LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO H. E. HEDGER, CHIEF ENGINEER

BIENNIAL REPORT

ON

HYDROLOGIC DATA

SEASONS 1945-46 AND 1946-47

PAUL BAUMANN, ASSISTANT CHIEF ENGINEER
FINLEY B. LAVERTY, CHIEF - HYDRAULIC DIVISION

AUGUST 2, 1948

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOS ANGELES 14, CALIFORNIA

H. E. HEDGER
CHIEF ENGINEER

751 S. FIGUEROA ST.
ROOM 403

August 2, 1948

FILE NO. 2-20
SUBJECT Biennial Report on Hydrologic Data Seasons of 1945-46 and 1946-47

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 1945-46 and 1946-47. This report is the sixteenth of a series of annual or biennial reports which have been published covering twenty years of records.

This report includes data collected and compiled by the District's Hydraulic Division on precipitation, evaporation, runoff, dam operation, ground water and conservation. These data are basic for hydrologic study, planning, design, and operation of flood control and conservation projects. The value of continuing the collection, compilation, and publication of this type of data cannot be overestimated, due to its widespread use by the District and also by an ever increasing number of interested public and private agencies 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 have served as observers.

Yours truly,

H. E. Hedger

H. E. Hedger, Chief Engineer

Los Angeles County Flood Control District
Hydraulic Division

July 30, 1948

2-20
Biennial Report on
Hydrologic Data
Seasons of 1945-46
and 1946-47

Mr. H. E. Hedger
Chief Engineer
Los Angeles County
Flood Control District
Los Angeles 14, California

Dear Mr. Hedger:

Transmitted herewith is the " Biennial Report on Hydrologic Data" for the seasons 1945-46 and 1946-47. 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. Conservation and Ground Water

Precipitation records include the monthly records of 427 stations in 1945-46 and 420 stations in 1946-47, of which 93% and 96% respectively furnished complete seasonal records. Three hundred twelve stations have a continuous record for fifteen years or longer, of which 16 stations have a continuous record for over fifty years.

Intensity records were obtained from 88 recording rain gages. Comparative intensities of rainfall for periods varying from five minutes to 24 hours and including storm totals and maximum intensities of record for ten representative stations are included in this report.

The rainfall for the seasons 1945-46 and 1946-47 was 88% and 92% of normal respectively for the County. No major storms were experienced although 20 storms occurred in 1945-46 and 24 in 1946-47. Although rainfall for the 1946-47 season was only slightly below normal, the major portion of this rain, 10.43 inches, fell during November and December 1946. Only 2.31 inches of rain was recorded during the following nine months from January through September 1947. This period of drought for the Los Angeles Area was the driest of record for any similar period during the last 75 years.

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

		% of Normal	
		1945-46	1946-47
1.	San Gabriel Mt. Area	91	98
2.	Valley and Coastal Plain	81	89
3.	Santa Monica Mts.	82	84
4.	Desert Area	93	92

Seasonal amounts of snowfall for three mountain locations are also included in this report. The depths of snowfall ranged from 42 to 87 inches at the various locations. The greatest depth was measured at Big Pines Recreation Camp.

Evaporation records were received from 24 stations each month. Amounts varied from a maximum of 100.00 inches at Big Tujunga Dam in 1945-46 to a minimum of 29.58 inches at the District's Puente Hills station in 1946-47.

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

During 1945-46 and 1946-47 the District operated 70 recording streamflow stations located on the main streams and tributary channels. Twenty-four of these stations are in the Los Angeles River drainage area, 21 are in the San Gabriel River drainage area, and 16 are located in the Rio Hondo drainage area. Records obtained from these stations are supplemented by the records of the 13 stations operated by the U. S. Geological Survey, Water Resources Branch, and 2 stations operated by the Survey in cooperation with the Los Angeles District, Corps of Engineers, which are also included in this publication. Cooperative assistance was given by the District in making measurements at these stations, while the District in turn received cooperation at several stations from the Corps of Engineers.

Runoff for the seasons was below normal throughout the District and storm flows were moderate.

Dam operation data included in this report show daily reservoir water surface elevation, storage, and amount of inflow and outflow for 14 dams operated by the District. These dams control 409 square miles of mountain drainage with a total controlled storage of 88,289 acre feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for four debris dams and 23 debris basins owned and operated by the District are included in the report.

Reclamation of storage capacity in District reservoirs and debris basins during these seasons obtained by sluicing and excavation operations, amounted to 335,851 cubic yards in 1945-46 and 225,990 cubic yards in 1946-47.

Water conservation and collection of ground water data continued as an important phase of the work of the District due to the increased draft upon various underground basins. Cooperative studies of serious ground water depletion in a few basins and contamination from industrial wastes are being continued. Included in this report are ground water maps of the several primary basins showing approximate high and low seasonal ground water conditions. These maps are compiled from data taken in more than 1370 wells during the annual spring and fall well measurements.

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

The investigation of the intrusion of sea water into the West Coastal Basin was continued during 1945-46 and 1946-47. This was carried on by the United States Geological Survey with whom the District and several municipalities are cooperating. A similar study was completed in July 1947 for the South Coastal Basin by the United States Geological Survey in cooperation with the City of Long Beach Water Department, the Orange County Flood Control and Water Districts, and this District. The purpose of these investigations is to determine the probable course of sea water intrusion and how best to retard and possibly repel it.

Conservation of water by absorption in various stream channels and reservoirs amounted to 203,518 acre feet during the seasons. Water conservation of 52,551 acre feet in 1945-46 and 63,165 acre feet in 1946-47 was effected by off-channel spreading grounds. A total runoff of 126,300 acre feet in 1945-46 and 158,860 acre feet in 1946-47 wasted into the ocean as measured on Coyote Creek at Del Amo Street, on the San Gabriel River at Spring Street, on the Los Angeles River at State Street, and on Ballona Creek at Sawtelle Boulevard.

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

Respectfully submitted,

Finley B. Laverty

Finley B. Laverty
Chief - Hydraulic Division

Recommended

Paul Baumann
Assistant Chief Engineer

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PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report includes the eighteenth and nineteenth seasons of similar seasonal reports. It contains precipitation data for the season in summarized form. It is published to provide current basic data for reference and to inform those 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 as used by the United States Geological Survey, Water Resources Branch.

SUMMARY

SEASON 1945-46

For the second consecutive season precipitation was generally below normal throughout the District, the county average being 88% of the 75 year normal. The season's precipitation, as compared to the 75 year normal for various representative stations, is shown in the tabulation under " Comparative Rainfall" on page 7. Precipitation was slightly above normal in the San Antonio Canyon drainage area and along the upper rim of the San Gabriel Canyon drainage area.

No major storms occurred during the 1945-46 season.

Rainfall intensities were moderate generally throughout the District with but a few stations recording more than one inch in one hour. Camp LeRoy (Hoegee's) in the Santa Anita Canyon recorded 1.70 inches in one hour December 21. Two summer storms occurred in July which produced heavy intensities for short periods on the north slopes of the San Gabriel Mountains. The first storm occurred July 18 and produced a heavy downpour for 2 hours at the Andersen Ranch, southwest of Valyermo about 3 miles, where 0.73 of an inch in 15 minutes, and 1.78 inches in one hour were recorded. The second storm, July 24, produced 1.42 inches in 15 minutes and 1.66 inches in one hour at Big Pines Park.

Twenty storms occurred during 1945-46 season which produced rainfall of 0.01 inch or more with rain occurring 39 days at Camp Singer (Opid's) in the mountains and 34 days at the Los Angeles United States Weather Bureau Station in the valley (5 p.m. reading.)

SEASON 1946-47

The average precipitation for the County was again below the 75 year normal for the third consecutive season with an index of 92; however, the San Gabriel Mountains had an index of 98.

While no unusually heavy storms occurred during the season, precipitation for October, November and December was considerably above normal with approximately 88% of the seasons total falling during this period. November rainfall was the greatest of record for this month, averaging about 600% of the November normal. The last nine months of the season, January through September, were the driest of the 75 years of record.

Rainfall intensities were generally light with a few scattered heavy showers of short duration.

Twenty-four storms occurred during the 1946-47 season which produced rainfall of 0.01 inch or more with rain occurring 39 days at Camp Singer (Opid's) in the mountains and 36 days at the Los Angeles United States Weather Bureau Station in the valley (5 p.m. reading).

Isohyetals for the seasons 1945-46 and 1946-47 are shown on Maps I and II, pages 25 and 27 respectively. The 75 Year Normal Isohyetal Map is Map III, page 29.

DISTRIBUTION OF GAGES

Location and distribution of gages are very important factors in the value of rainfall data. The location of any one station must be chosen carefully as the rain catch can vary considerably in short distances due to obstructions such as trees, buildings, and topography.

Subsequent to 1927, the District has made considerable progress in securing a representative coverage of the County as shown by the following figures:

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

Season 1926-27	79
Season 1945-46	427
Season 1946-47	420

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

	15 to 49 yrs.		50 yrs. and over	
	1945-46	1946-47	1945-46	1946-47
Continuous records	218	226	12*	13*
Broken records	48	60		
Adjacent to Los Angeles County	10	10	3	3
TOTAL	276	296	15	16

The District has a better distribution of gages in the valley and foothill areas than in the mountains as more cooperative observers are available. Practically a maximum possible coverage of the mountain area has been obtained until additional resident observers are available or satisfactory automatic reporting equipment is developed for locations which have difficult access. Station locations are shown on Maps I and II, pages 25 and 27; and Table V, page 19.

Annual inspection trips were made in the fall of 1945 and 1946, at which time the location and condition of each gage was checked. Helpful suggestions and instructions were given to observers to assist in obtaining more accurate and complete records. Supplies for the entire season were furnished at this time, thus saving considerable mailing cost. The annual trips also provide an opportunity to investigate locations for new stations and to secure cooperative observers.

Where observers are available, automatic recording raingages are located in areas which will furnish the most representative intensity data for rainfall analyses and computations. During the 1945-46 season 28 of these gages were in the mountains and 31 were in the valley area, and during the 1946-47 season the numbers were 29 and 32 respectively. In general each automatic gage is operated in conjunction with a standard 8" U.S.W.B. type gage placed nearby as a check.

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*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.
2. In calculation of flood flows for design purposes.
3. In water conservation studies.
4. By public and private agencies for flood control, irrigation and water supply or related investigations.
5. Court cases.

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

United States Weather Bureau
War Department, Corps of Engineers, United States Army
United States Forest Service
United States Geological Survey - Water Resources Branch
State of California, Division of Water Resources
City of Los Angeles
Pasadena Water Department
Southern California Edison Company
Los Angeles County
    Surveyor and Engineer
    Forester and Fire Warden
    Road Department

Ventura County
San Bernardino County

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

SOURCE AND NUMBER OF RECORDS

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

RAIN GAGE OWNERSHIP AND TYPE		NUMBER OF GAGES			
				Total	
		1945-46	1946-47	1945-46	1946-47
(a) Los Angeles County Flood Control District					
Standard	8" Diameter	234	236		
Non-recording Special	8.81" "	15	16		
Automatic-Fergusson Type	9" Capacity	31	31		
Automatic-Fergusson Type	12" "	13	13		
Automatic-Friez Type	30" "	1	1		
Automatic-Friez Type	12" "	4	6		
Automatic-Stevens Type Q	12" "	6	6		
Automatic-Stevens Type Q	24" "	2	2		
Automatic-Remote Recording Tipping Bucket		1	1		
Automatic-Fuller Type	3" Capacity (Office)	1	1	308	311
(b) Outside Agencies and Individuals					
Standard	8" Diameter	140	137		
Various Types, Non-recording		19	14		
Automatic - Various sizes and types		27	28	186	179
	TOTAL			494	490
	Less Std. 8" (with Automatics)			-67*	-70*
Total Stations from which the District receives records				427	420

The District owns 63% of all gages from which records are received each month. The remainder are privately owned as shown above and are cooperative with the District.

COMPLETE SEASONAL REPORTS	Season 1945-46	1946-47
Flood Control District Stations	239**	250**
Private Stations	161	153
TOTAL	400	403

*REPRESENTS NUMBER OF STANDARD GAGES AT AUTOMATIC RAINGAGE STATIONS DEDUCTED FROM TOTAL NUMBER OF GAGES TO AGREE WITH THE NUMBER OF RECORDS PUBLISHED.

**WHEN A STATION HAS BOTH A DISTRICT GAGE AND A PRIVATE GAGE, IT IS CONSIDERED A FLOOD CONTROL DISTRICT STATION.

The preceding tabulation shows the number of stations which furnished complete records or records which could be completed by estimates from adjacent stations for not more than 10% of the total seasonal amount. Thus out of 427 stations reporting during the season 1945-46 and 420 stations reporting during the 1946-47 season, 93% and 96% respectively, furnished complete records.

Table I presents a complete list of the automatic rain gages which were active during the seasons 1945-46 and 1946-47, with the length of active record included.

AVERAGE RAINFALL INDICES FOR LOS ANGELES COUNTY

Table VI, page 24, presents the 75 year seasonal indices for Los Angeles County and selected areas within the County. Seasonal indices are the ratios of seasonal rainfall to seasonal 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 7 representative areas in the County. The indices of each area were obtained by averaging the indices of representative long time stations, known as Master Stations, for that area. The method of calculating these indices varied somewhat from methods previously used. Individual figures vary appreciably from corresponding figures previously published.

It should be kept in mind that these indices are relative only and are not applicable to any specific area in the County, being derived from data reflecting valley, mountain and desert conditions. An Isohyetal Map for the 75 year seasonal normal is shown on Map III, page 29, of this report.

COMPARATIVE RAINFALL

Eight locations used in previous reports have again been compared. These represent stations with long time records in the coastal, valley, foothill and mountain areas in Los Angeles County.

Comparison of Rainfall by Stations

Sta. No.	Name	Elev.	Yrs. Record	75 Yr. Normal Inches	1945-46 Inches	% of 75 Yr. Normal	1946-47 Inches	% of 75 Yr. Normal
224	Long Beach	80	53	13.14	11.22	85	11.86	90
577E	Los Angeles (U.S.W.B.)	417*	75	15.62	11.07	71	13.08	84
610B	Pasadena	864	75	20.66	16.50	80	20.94	101
587	Mouth of San Antonio Canyon	2500	43	28.57	26.10	91	29.16	102
60A	Camp LeRoy (Hoegee's)	2750	22	43.68	33.00	76	38.35	88
53A	Colby's Ranch	3500	50	31.93	26.83	84	27.91	87
57B	Camp Singer (Opid's)	4350	30	42.32	38.43	91	41.82	99
338A	Mount Wilson Observatory	5650	43	37.81	33.25	88	40.99	108

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. Pacific Standard Time, standard gage readings only.

Sta. No.	Station	Minimum Seasonal 1945-46	Minimum Seasonal 1946-47	Maximum Seasonal 1945-46	Maximum Seasonal 1946-47	Maximum Day 1945-46	Maximum Day 1946-47	Date
456	Antelope Valley Museum-Piute Butte	4.29	3.92					
283A	Crystal Lake-East Pine Flats			38.48				
402C	Cedar Springs				43.95		8.07	11/13/46
60A	Camp LeRoy (Hoegee's)					7.97		12/22/45

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

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*151 FEET ABOVE GROUND, 6TH AND MAIN STREET STATION.

Tables III and IV, pages 11 and 15, present monthly and seasonal rainfall amounts for stations from which the District received records during the seasons 1945-46 and 1946-47.

SUMMARY OF SNOWFALL

Snowfall at three high mountain stations is shown as follows:

Sta. No.	Location	Elev.	Season 1945-46 Amt. Inches	Season 1946-47 Amt. Inches
82	Table Mountain	7500 Ft.	49	77
83	Big Pines Recreation Camp	5860 Ft.	65	87
283a	Crystal Lake-E. Pine Flats	5740 Ft.	42	47

The following tabulation shows snow survey data for the San Antonio and Rock Creek Watersheds:

Snow Survey Course	Date	Density %	Water Content Inches Depth	Date	Density %	Water Content Inches Depth
Mt. San Antonio	4/3/46	44.9	18.8	4/1/47	55.2	12.8
Upper Ice House Cyn.	4/4/46	33.0	19.8	3/31/47	52.0	22.3
Islip #3	4/9/46	42.2	20.9	4/3/47	44.9	13.1

COOPERATION OF RAINFALL OBSERVERS

Observers have continued their valuable cooperation with the District in the collection of these data, as indicated by the fact that in 1945-46, 93% and in 1946-47, 96% of all observers reporting each month to the District, have sent in complete reports for the two 12-month periods.

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

RESPONSIBILITY

Collection of rainfall and evaporation data during 1945-46 was accomplished by Mr. J. W. Luce and Mr. R. E. Lindsay, and during 1946-47 by Mr. R. E. Lindsay, Data in this report have been compiled by Mr. R. E. Lindsay, in charge, Precipitation Section. This work was done under the immediate supervision of Mr. Walter J. Wood, Assistant Chief, Hydraulic Division.

TABLE I

ACTIVE AUTOMATIC RAIN GAGES

SEASONS 1945-46, 1946-47

F.C. NO.	NAME OF STATION	ELEV. U.S.G.S.	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
6	TOPANGA GUARD STATION	747	FERGUSSON	9"	TOPANGA CREEK	8/18/30 TO DATE
10	BEL AIR	540	"	9"	STONE CANYON	1/4/29 TO DATE
11C	UPPER FRANKLIN RESERVOIR	867	"	9"	FRANKLIN CREEK	9/29/37 TO DATE
15	VAN NUYS WAREHOUSE	695	"	9"	L. A. RIVER	8/18/30 TO DATE
33A*-E	PACOIMA DAM	1500	"	9"	PACOIMA CREEK	9/22/30 TO DATE
46C-E	BIG TUJUNGA DAM	2290	STEVENS	12"	BIG TUJUNGA	12/9/40 TO DATE
47A	CLEAR CREEK	3100	FERGUSSON	12"	BIG TUJUNGA	11/2/28 TO NOV. 1945
47C	CLEAR CREEK	3125	"	12"	BIG TUJUNGA	NOV. 1945 TO DATE
52C	WATERMAN GUARD STATION	3290	"	12"	ARROYO SECO	1/15/26 TO DATE
53A	SLEEPY HOLLOW RANCH (COLBY'S)	3500	SPECIAL TIPPING BUCKET REMOTE CONTROL GAGE		BIG TUJUNGA	4/19/26 TO JAN. 1928 6/30/37 TO 12/26/40 2/14/41 TO DATE
54	LOOMIS RANCH - ALDER CREEK	4050	FERGUSSON	9"	BIG TUJUNGA	11/24/31 TO DATE (1)
57B-E	CAMP SINGER (OPID'S CAMP)	4350	"	12"	SAN GABRIEL, WEST FORK	12/14/25 TO DATE
60A	CAMP LE ROY (HOEGEE'S)	2750	"	12"	BIG SANTA ANITA CREEK	11/11/26 TO DATE
70	ROGER'S CANYON - DALTON	800	"	9"	SAN GABRIEL RIVER	12/4/26 TO DATE
83	BIG PINES RECREATION PARK	6860	"	12"	DESERT	12/17/25 TO DATE
85D	CAMP BALDY GUARD STATION	4300	"	12"	SAN ANTONIO CREEK	11/11/27 TO DATE
87	SAN DIMAS GUARD STATION	1500	STEVENS FLOAT GAGE	6" (PRIVATE)	SAN DIMAS CREEK	12/11/25 TO 11/23/26 OCT. 1942 TO DATE
92	CLAREMONT - POMONA COLLEGE	1190	FERGUSSON	9"	SANTA ANA RIVER	12/2/27 TO DATE
108B	EL MONTE - FIRE STATION	301	"	9"	RIO HONDO	10/11/38 TO DATE
124B	BOUQUET CANYON RESERVOIR - L.A.W.D.	3000	STEVENS	9" (PRIVATE)	BOUQUET CANYON AND SANTA CLARA RIVER	11/11/31 TO DATE*
150	MONROVIA FALLS	1800	FERGUSSON	12"	SAWPIT CREEK	2/4/28 TO DATE
156	LA MIRADA - STD. OIL CO.	86	STEVENS	12"	COYOTE CREEK	4/19/46 TO DATE
158	TANBARK FLATS	2750	FRIEZ TIPPING BUCKET	(PRIVATE)	SAN DIMAS CREEK	1/16/29 TO DATE
178	AZUSA - GRIFFITH	545	FERGUSSON	9"	SAN GABRIEL RIVER	1/1/31 TO DATE
179B	SIERRA MADRE - CARTER	1125	"	9"	RIO HONDO	6/24/41/ TO DATE
201	PUENTE HILLS - ALTA MIRA RANCH	860	"	9"	SAN JOSE CREEK	9/15/38 TO 12/1/38 12/19/40 TO DATE
210B	BRAND PARK	1250	STEVENS	12"	L. A. RIVER	12/27/28 TO DATE
213	LOS ANGELES - HANCOCK PARK	177	FERGUSSON	9"	L. A. RIVER	1/13/29 TO DATE
228B	BEVERLY HILLS - CITY HALL	255	"	9" (PRIVATE)	BALLONA CREEK	10/14/31 TO DATE
235B	HENNINGER FLATS	2550	"	12"	EATON WASH	12/30/29 TO DATE
257	GRIFFITH PARK NURSERY	750	"	9"	L. A. RIVER	11/12/30 TO DATE
259C	CHATSWORTH PATROL STATION	1254	"	9"	DEVIL'S CREEK	8/17/37 TO DATE
264-E	ACTON - MELLEN	3075	"	9"	SANTA CLARA RIVER	11/27/30 TO DATE
266-E	TORRANCE - SO. CAL. EDISON CO. SUB. STA.	57	STEVENS	12"	LAGUNA - DOMINGUEZ	3/19/40 TO 8/29/46
269B	DIAMOND BAR RANCH - HORSE CAMP	760	FRIEZ	12" (PRIVATE)	BREA CANYON	12/3/41 TO DATE
280B	FLINTRIDGE FIRE STATION	1325	FERGUSSON	9"	ARROYO SECO	7/26/30 TO DATE
283A	CRYSTAL LAKE - EAST PINE FLATS	5740	STEVENS	24"	SAN GABRIEL, NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	FERGUSSON	12" (PRIVATE)	L. A. RIVER	10/6/30 TO DATE
303CD	PASADENA - CAL. TECH.	745	FERGUSSON	9"	ALHAMBRA WASH	12/13/30 TO DATE
311B	PASADENA METEOROLOGICAL STATION	918	FRIEZ TIPPING BUCKET	(PRIVATE)	ARROYO SECO	1/22/31 TO 7/32 10/23/34 TO 9/14/38* 10/1/38 TO DATE*
322	MUNZ VALLEY RANCH	2600	FRIEZ	9" (PRIVATE)	DESERT	10/28/42 TO 10/46
334-E	SAN GABRIEL DAM #2	2335	FERGUSSON	12"	SAN GABRIEL RIVER	1/14/32 TO DATE
338B	MOUNT WILSON - AIRWAYS STATION	5709	"	12"	SAN GABRIEL - SANTA ANITA	3/29/32 TO DATE
352	LECHUZA PATROL STATION	1530	"	9"	ARROYO SEQUIS AND TRANCAS CANYON	11/28/34 TO DATE
356B	PACIFIC COLONY	685	"	9"	SAN JOSE CREEK	3/30/38 TO DATE
357	SAN FERNANDO P. H. #3	1248	FRIEZ	12"	UPPER SAN FERNANDO RESERVOIR	12/4/45 TO DATE
367	UPPER HAINES CANYON	3450	FRIEZ	30" (PRIVATE)	BIG TUJUNGA	1/13/33 TO DATE
372	SAN FRANCISQUITO POWER HOUSE #2	1580	FERGUSSON	9"	SANTA CLARA RIVER	5/25/44 TO DATE
373	BRIGGS TERRACE	2310	FRIEZ	12"	VERDUGO WASH	11/28/33 TO DATE
379B	SAN GABRIEL EAST FORK	1600	FRIEZ	12"	SAN GABRIEL RIVER	12/8/37 TO 8/38 2/14/46 TO DATE
380	EL SERENO	553	FERGUSSON	9"	L. A. RIVER	11/1/34 TO DATE
415	SIGNAL HILL - CITY HALL	115	"	9"	COASTAL	3/15/37 TO DATE
419	MOUNT GLEASON	5450	"	12"	PACOIMA AND SANTA CLARA RIVERS	9/21/37 TO DATE
425B	SAN GABRIEL DAM #1	1481	"	12"	SAN GABRIEL RIVER	11/3/37 TO DATE
433	ALTADENA - FARNSWORTH PARK	1710	"	9"	RUBIO WASH	9/14/38 TO DATE
434	MALIBU HEADQUARTERS	800	"	9"	MALIBU CREEK	10/27/43 TO DATE
435	MONTE NIDO CANYON	600	"	9"	COLD AND MALIBU CREEKS	11/19/43 TO DATE
436B	HANSEN DAM	1005	STEVENS FLOAT	12" (PRIVATE)	TUJUNGA WASH	10/30/40 TO DATE
445B	LIVE OAK CANYON DAM	1510	STEVENS	12"	LIVE OAK WASH	3/20/40 TO DATE
446	ALISO CANYON - SANTA SUSANA MTS.	2367	FRIEZ	12"	L. A. RIVER	7/2/40 TO DATE
461	BALDWIN HILLS	392	STEVENS	12"	BALLONA CREEK	12/19/40 TO DATE
465B	SEPULVEDA DAM	675	FRIEZ	12" (PRIVATE)	L. A. RIVER	10/23/45 TO DATE
466B	PACOIMA CANYON	3225	FERGUSSON	12"	PACOIMA CREEK	1/16/41 TO DATE
470	TUJUNGA - MILL CREEK	4600	FRIEZ	30" (PRIVATE)	BIG TUJUNGA	10/18/41 TO DATE
471	LITTLE TUJUNGA - GOLD CREEK	2750	FRIEZ	30" (PRIVATE)	LITTLE TUJUNGA	10/30/41 TO DATE
477	SANTA ANITA - SPRING CAMP	4650	STEVENS	24"	SANTA ANITA CREEK	11/25/41 TO DATE
486	COLDWATER CANYON - WIDMAN RANCH	3865	FERGUSSON	9"	SAN GABRIEL - CATTLE CANYON	9/22/43 TO DATE
492	CHILAO - STATE HIGHWAY MAINTENANCE STA.	5275	"	12"	SAN GABRIEL RIVER, WEST FORK	10/10/44 TO DATE
493	SAND CANYON	1780	FRIEZ	12"	SANTA CLARA RIVER	11/8/46 TO DATE
495	LOS ANGELES - 8TH AND FIGUEROA	335	FULLER FLOAT TYPE	3"	L. A. RIVER	2/7/44 TO DATE
517	ANDERSEN RANCH - BURKHART	4700	FERGUSSON	9"	PALLETT CREEK	12/17/43 TO DATE
565	LONG BEACH - 16TH AND CHESTNUT	13	BELFORT TIPPING BUCKET	(PRIVATE)	COASTAL	11/8/24 TO DATE
577E	U.S.W.B. - 6TH AND MAIN	417	FRIEZ	12" (PRIVATE)	L. A. RIVER	2/19/97 TO DATE**
577F	LOS ANGELES - U.S.W.B.	548	FRIEZ TIPPING BUCKET	(PRIVATE)	L. A. RIVER	3/1/40 TO DATE
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ	12" (PRIVATE)	ARROYO SECO - L. A. RIVER	10/16/45 TO DATE
699	LOS ANGELES - 30TH AND TRINITY STREETS	208	FERGUSSON	12" (PRIVATE)	COMPTON CREEK	10/9/40 TO 7/8/47
700	LOS ANGELES - SLAUSON AND LONG BEACH BL.	176	"	12" (PRIVATE)	COMPTON CREEK	10/28/40 TO 7/8/47
718	ONE THOUSAND OAKS	870	STEVENS	12" (PRIVATE)	ARROYO CONEJO	? TO 1/47*
722	DEL SUR - GODDE RANCH	2760	FERGUSSON	9" (PRIVATE)	ANTELOPE VALLEY	10/27/42 TO DATE**
723	STONE CANYON - SAN FERNANDO VALLEY	835	STEVENS FLOAT	9" (PRIVATE)	L. A. RIVER	10/43 TO DATE
724	BIG DALTON - MONROE CANYON - FLUME X	1775	STEVENS	6" (PRIVATE)	BIG DALTON CREEK	3/15/39 TO DATE
725	BIRMINGHAM HOSPITAL	722	FRIEZ	12" (PRIVATE)	L. A. RIVER	8/4/44 TO DATE
726	ANGELES CREST - U.S.F.S. GUARD STATION	2300	FRIEZ	12" (PRIVATE)	ARROYO SECO - L. A. RIVER	10/16/45 TO DATE
735	BELL CANYON	915	FRIEZ	12" (PRIVATE)	L. A. RIVER	1/15/46 TO DATE
736	BIG DALTON CANYON - VOLFE CANYON	3100	FERGUSSON	12" (PRIVATE)	BIG DALTON CANYON	3/2/39 TO 6/46
740	SAN DIMAS CANYON - FERN CANYON #1	5200	FERGUSSON	12" (PRIVATE)	SAN DIMAS CREEK	10/12/36 TO 7/16/46
741	SAN DIMAS CANYON - UPPER EAST FORK	2750	STEVENS	6" (PRIVATE)	SAN DIMAS CREEK	10/4/34 TO 6/46
743	BIG DALTON - BELL CANYON	3100	"	6" (PRIVATE)	BIG DALTON CREEK	9/33 TO 8/46
747	SANDBERG AIRWAYS	4517	FRIEZ	12" (PRIVATE)	SANTA CLARA RIVER	4/2/32 TO DATE***
748	NEWHALL - C.A.A. AIRWAY COMM. STATION	1206	FRIEZ	12" (PRIVATE)	SANTA CLARA RIVER	7/1/29 TO DATE***
749	BURBANK AIRPORT	699	FRIEZ	12" (PRIVATE)	LOS ANGELES RIVER	9/20/31 TO DATE***
750	PALMDALE - C.A.A. AIRWAY COMM. STATION	2654	FRIEZ	12" (PRIVATE)	DESERT	11/1/34 TO DATE***
1003	VAN ALDEN DEBRIS BASIN	875	FERGUSSON	9"	LOS ANGELES RIVER	2/4/46 TO 9/29/47
1006	SAN PEDRO CITY RESERVOIR	150	FERGUSSON	9"	SAN PEDRO HARBOR	3/7/46 TO DATE
1008	LA FRESA - SO. CAL. EDISON CO. SUBSTA.	65	STEVENS	12"	LAGUNA DOMINGUEZ	8/29/46 TO DATE
1010	PALMER CANYON	2175	FRIEZ	12"	THOMPSON CREEK	12/19/46 TO DATE
X6	ENCINO RESERVOIR #2	1240	FERGUSSON	12"	L. A. RIVER	11/3/44 TO DATE

NOTE: SUFFIX A, B, C DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS.
-E, INDICATES EVAPORATION TANK AT STATION. THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN OUR FILES.
(1) - PREVIOUS RECORD BY U.S.W.B. MARVIN GAGE STARTING DEC. 1916 TO 11/24/31. ** - DISTRICT HAS SOME AUTOMATIC CHARTS.
* - CHARTS OR REPRODUCTIONS ARE NOT IN DISTRICT FILES. *** - HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN SOUTH PACIFIC DISTRICT.

TABLE II

COMPARATIVE MAXIMUM RAINFALL INTENSITIES IN INCHES

SEASON 1945-46, 1946-47 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		#577E-USWB CENTRAL BLDG. LOS ANGELES		#15 VAN NUYS LAND WAREHOUSE		#178 AZUSA GRIFFITH		#425 SAN GABRIEL DAM #1		#261 ACTON MELLEN		#6 TOPANGA CANYON		#92 POMONA COLLEGE CLAREMONT		#578 CAMP SINGER (OPID'S)		#60A CAMP LE ROY (HOEGEE'S)		#303 CAL TECH. PASADENA	
		1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD	1945-46	MAX OF RECORD
5 MIN.	AMT.	.09		.24		.17		.22		.18		.22		.18		.61		.32		.17	
	DATE	3/28		3/30		12/21		3/30		7/24		12/21		12/23		3/30		12/21		12/21	
10 MIN.	AMT.	.13		.25		.22		.28		.30		.42		.22		.74		.49		.30	
	DATE	2/3		3/30		2/3		2/3		7/24		12/21		12/23		3/30		12/21		12/21	
15 MIN.	AMT.	.18		.27		.34		.42		.34		.58		.27		.80		.65		.38	
	DATE	2/3		12/21		2/3		2/3		7/24		12/21		12/23		3/30		12/21		12/21	
30 MIN.	AMT.	.31		.48		.57		.71*		.66		.83		.33		.94		1.04		.44	
	DATE	2/3		12/21		2/3		12/21		7/24		12/21		12/23		3/30		12/21		12/21	
1 HR.	AMT.	.48		.70		.75		1.14*		.73		1.26		.48		1.14		1.73		.56	
	DATE	2/3		12/21		12/21		12/21		7/24		12/21		12/23		3/30		12/21		2/3	
2 HRS.	AMT.	.80		.93		1.17		1.73*		.86		1.74		.77		1.71		2.65		.92	
	DATE	2/3		12/21		12/21		12/21		7/24		12/21		12/23		12/21		12/21		2/3	
3 HRS.	AMT.	.95		1.14		1.53		2.19*		.90		1.82		1.03		2.55		3.26		1.16	
	DATE	2/3		12/21		12/21		12/21		7/24		12/21		12/23		12/21		12/21		2/3	
4 HRS.	AMT.	1.18		1.31		1.57		2.62*		.90		2.11		1.22		2.99		3.91		1.40	
	DATE	2/3		12/21		12/21		12/21		7/24		12/21		12/23		3/30		12/21		2/3	
5 HRS.	AMT.	1.27		1.39		2.01		3.10*		.92		2.27		1.31		3.36		4.22		1.54	
	DATE	2/3		12/21		12/21		12/21		7/24		12/21		12/23		3/30		12/21		2/3	
12 HRS.	AMT.	1.35		2.24		3.60		5.43*		.97**		3.78		2.32		5.86		6.44		2.81	
	DATE	2/3		12/21		12/22 °		12/22 °		3/30		12/22°		12/22 °		3/30		12/22°		12/22°	
24 HRS.	AMT.	1.57		3.43		5.83		9.07		1.81		7.14		3.90		9.48		10.24		4.58	
	DATE	3/30 °		12/22°		12/22 °		12/22 °		3/30°		12/22°		12/22°		12/22°		12/22 °		12/22 °	
STORM TOTAL																					
AUTO.	AMT.	4.87		4.86		8.20		13.01		2.45**		10.46		6.36		15.78		16.65		6.65	
	DATE	12/20-12/26		12/21-12/23		12/21-12/23		12/21-12/23		12/21-12/23		12/20-12/23		12/21-12/23		12/20-12/23		12/20-12/23		12/21-12/23	
STD.	AMT.			4.73				13.25		2.92		10.95		6.42		15.44		16.76		7.62	
	DATE			12/21-12/23				12/21-12/23		12/21 12/23		12/20-12/23		12/21-12/23		12/20-12/23		12/20-12/23		12/21-12/23	

		1946-47		1946-47		1946-47		1946-47		1946-47		1946-47		1946-47		1946-47		1946-47		1946-47	
5 MIN.	AMT.	.12	.42	.23	.33	.08	.32	.18	.60	.11	.29	.17	.45	.40	.40	.33	1.17	.10	.43	.26	.32
	DATE	12/25	1/14/08	12/5	12/15/38	11/23	2/11/36	2/17	4/5/26	12/26	8/26/35	11/13	3/3/41	12/6	12/6/46	10/3	4/5/26	11/20	12/27/36	11/13	3/3/43
10 MIN.	AMT.	.16	.65	.24	.43	.13	.40	.28	.62	.15	.41	.29	.70	.46	.46	.43	1.18	.19	.57	.29	.44
	DATE	12/25	2/18/14	12/5	1.8/40	11/23	11/11/44	2/17	4/5/26	12/26	8/26/35	11/13	2/20/41	12/6	12/6/46	10/3	4/5/26	11/20	12/27/36	11/13	3/3/43
15 MIN.	AMT.	.22	.81	.25	.50	.17	.53	.34	.68	.20	.44	.40	.90	.47	.48	.47	1.18	.25	.69	.39	.60
	DATE	12/25	2/18/14	12/5	12/17/40	11/23	11/11/44	2/17	4/5/26	12/26	8/26/35	11/13	2/20/41	12/6	3/4/43	10/3	4/5/26	11/20	12/27/36	11/13	3/3/43
30 MIN.	AMT.	.40	1.14	.27°°	.88	.27	.77	.51	.96	.23	.66	.66	1.16	.47	.58	.69	1.52	.44	1.06	.60	1.08
	DATE	12/25	2/18/14	11/13	12/28/41	11/23	10/17/34	2/17	4/5/26	12/26	10/1/32	11/13	2/20/41	12/6	10/17/34	11/13	4/5/26	11/20	3/4/43 °	11/13	3/3/43
1 HR.	AMT.	.65	1.51	.45°°	1.26	.41	1.10	.77	1.25	.28	.74	.90	1.60	.53	.94	.97	2.21	.75	1.73	1.03	1.70
	DATE	12/25	2/18/14	11/13	12/28/41	11/23	10/17/34	2/17	1/22/43	12/28	8/24/35	11/13	2/20/41	12/27	1/22/43	11/13	4/5/26	11/20	12/21/45	11/13	3/3/43
2 HRS.	AMT.	1.09	1.99	.81 °°	1.5C	.58	1.73	1.32	2.34	.47	1.48	1.20	2.72	.76	1.63	1.53	3.83	1.50	2.88	1.14	2.36
	DATE	12/25	2/18/14	11/13	1/22/43	11/23	10/17/34	2/17	1/22/43	12/26	8/24/35	11/20	12/31/33	11/13	1/22/43	11/13	4/5/25	11/20	3/2/38	11/13	3/4/43°
3 HRS.	AMT.	1.21		1.13°°	2.13	.72	2.34	1.57	3.28	.61	1.48	1.52	3.70°°	1.01	2.27	1.78	4.53	2.23	4.00	1.60	3.02
	DATE	12/25		11/13	1/22/43	11/23	1/1/34	11/20	1/22/43	12/26	8/24/35	11/13	1/22/43	11/13	12/31/33	11/13	4/5/26	11/20	3/2/38	12/25	12/31/33
4 HRS.	AMT.	1.30		1.36°°	2.67	.79	2.79	2.07	4.32	.71	1.57	1.80	4.50°°	1.22	2.96	2.34	5.54	2.87	5.38	1.86	3.80
	DATE	12/25		11/13	1/22/43	11/13	1/1/34°	11/20	1/22/43	12/26	1/22/43	11/13	1/22/43	11/13	1/22/43	11/20	3/2/38	11/20	3/2/38	12/25	12/31/33
5 HRS.	AMT.	1.59	3.06	1.58°°	3.08	.84	2.98	2.45	5.30	.79	1.82	2.12	5.30°°	1.29	3.25	2.75	6.67	3.37	6.48	2.18	4.55
	DATE	12/25	3/2/38	11/13	1/22/43	11/23	1/1/34 °	11/20	1/22/43	12/26	1/22/43	11/13	1/22/43	11/13	1/22/43	11/20	3/2/38	11/20	1/22/43	12/25	12/31/33
12 HRS.	AMT.	1.87		2.16°°	5.29	1.36	6.00	4.10	10.05	1.35	3.14	3.07	9.69	1.79	4.55	4.78	12.64	5.44	13.36	3.18	7.98
	DATE	12/26°		11/13 °	1/1/34°	12/26°	1/1/34 °	11/20	1/22/43	12/26	1/23/43°	11/20 °°	12/31/33	11/13°	3/2/38	11/20 °	1/23/43°	11/20	1/23/43 °°	12/25	12/31/33
24 HRS.	AMT.	2.80	7.36	3.21°°	8.03	2.17	10.19	4.10	17.81	2.09	4.41	3.25	13.44	2.41	7.86	8.01	22.00	5.80	26.12	3.95	11.26
	DATE	11/13°	1/1/34 °	11/13	1/22/43°	12/26°	1/1/34°	11/20	1/23/43	11/13°	1/23/43°	11/20°	1/1/34 °	11/13°	11/1/34°	11/13°	1/23/43°	11/20	1/23/43°	12/26°	1/1/34°
STORM TOTAL																					
AUTO.	AMT.	4.51	8.27	INC.	INC.	4.31	12.13	6.84	24.07	2.98	6.36	5.36	INC.	5.29	10.70	12.81	32.45	SEE FOOT-NOTE	37.42	6.29	13.62
	DATE	11/11-11/14	12/30/33-1/1/34			11/11-11/14	12/30/33-1/1/34	12/23-12/27	1/21-1/23/43	11/11-11/14	1/21-1/23/43	11/11-11/14		11/10-11/14	1/21-1/23/43	11/10-11/14	1/21-1/23/43		1/21-1/23/43	11/11-11/14	1/21-1/23/43
STD.	AMT.		9.67	5.69	11.31			7.02	25.08	3.30	6.69	5.40	17.38	5.20	10.66	12.57	33.95	9.65	37.34	6.45	13.86
	DATE		3/2-10/84	11/11-11/14	1/21-1/23/43			12/23-12/27	12/17-22/21	11/11-11/14	12/18-27/21	11/11-11/14	1/21-23/43	11/10-11/14	1/21-23/43	11/10-11/14	12/18-23/21	12/23-12/27	1/21-23/43	11/11-11/14	1/21-23/43

STA. 60A CAMP LE ROY (HOEGEE'S) STORMS OF 11/10 - 14/47 AND 12/23/47 WERE NOT RECORDED. INTENSITIES SHOWN UP TO 24 HRS. MAY HAVE BEEN EXCEEDED.

* PARTLY INTERPOLATED FROM CONTROL HOUSE GAGE.
** PEN STICKING, AMOUNT WAS PROBABLY EXCEEDED.
° DATE AT END OF PERIOD.
°° INTERPOLATED VALUE FROM NEARBY STATION.

TABLE III

SEASONAL 1945-46 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2	ESCONDIDO CANYON	.58	.23	7.73	.44	1.45	4.24	.26	0	0	0	0	0	14.93
3	SEMINOLE HOT SPRINGS	.75	.27	8.44	.24	2.10	6.63	.12	0	0	0	0	0	18.55
5B	CALABASAS	.69	.16	6.62	.40	1.41	5.10	.21	.03	0	0	0	0	14.62
6	TOPANGA PATROL STATION	.70	.34	11.46	.28	1.74	4.88	.41	.08	0	0	0	0	19.89
9	SEPULVEDA & CHASE - LARSON	.59	.13	5.39	.20	1.05	3.40	.63	T	0	T	0	0	11.39
10	BEL AIR	.79*	.28*	6.94**	.21*	1.94*	4.12*	.50	T	0	0	0	0	14.78*
11C	UPPER FRANKLIN RESERVOIR	.90	.27	6.71	.15	1.86	4.85	.48	0	0	0	0	T	15.22
12	FRANKLIN & MULHOLLAND PATROL #1	.99	.30	6.52	.22	1.96	5.03	.50	.08	0	0	0	.02	15.62
13	NO. HOLLYWOOD BLIX	.79	.20	5.37	.16	1.70	4.26	.58	0	0	.15	0	.01	13.22
14	ROSCOE - MERRILL	.94	.35	4.53	.20	1.37	4.48	.73	.11	0	.02	0	T	12.73
15	VAN NUYS - WAREHOUSE	.69	.33	4.95	.22	1.51	4.01	.65	.01	0	T	0	0	12.37
17	SEPULVEDA & MULHOLLAND PATROL #2	.78	.38	8.08	.32	1.92	4.70	.58	.09	0	0	0	0	16.85
18	ADOHR DAIRY	.68	.14	5.89	.38	1.43	4.35	.40	0	0	0	0	0	13.27
20B	GIRARD RESERVOIR	.67	.12	7.61	.36	1.65	5.39	.25	.16	0	0	0	0	16.21
21	BRANT RANCHO - GIRARD	.66	.15	6.42	.36	1.14	3.35	.23	.09	0	0	0	0	12.40
23-E	CHATSWORTH RESERVOIR	.88	.26	6.44	.33	.94	3.08	.22	.08	T	.01	0	0	12.24
24C	CHATSWORTH	.97	.21	7.19	.43	1.08	3.34	.23	.32	0	0	0	0	13.77
25B	NORTHRIDGE - ANDREWS	1.21	.27	5.69	.35	.90	3.30	.38	.03	0	T	0	.30	12.43
27B	PACOIMA - RADDATZ RANCH	N.I.								N.I.	0	0	0	INC.
28	SAN FERNANDO LEMON ASSOCIATION	.92	.29	5.46	.24	1.19	3.59	.54	.20	0	.01	0	T	12.44
29B	GRANADA - PUMP PLANT	1.04	.31	6.72	.23	1.06	4.83	.31	.05	0	T	0	0	14.55
30	SYLMAR	1.17	.56	6.34	.28	1.26	4.65	.45	.18	0	0	T	0	14.89
32C-E	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	1.13	.38	6.60	.16	2.06	5.07	.52	0	0	T	0	0	15.92
33A'-E	PACOIMA DAM	1.41	.36	6.38	.24	1.38	5.77	.83	.37	0	.12	0	0	16.86
38	CHAPPEL RANCH - HANSEN HEIGHTS	1.12	.40	4.69	.24	1.48	4.43	1.04	.10	0	.08	0	0	13.58
39B	SUNSET DAM	1.02	.25	5.80	.18	1.82	6.14	.78	.16	T	0	0	.52	16.67
42	REDONDO - CITY HALL	.43	.46	3.85	.33	.56	3.42	.53	.03	0	0	0	0	9.61
43A	PALOS VERDES - ADMINISTRATION BUILDING	.37	.25	4.18	.43	.47	3.91	.17	0	0	0	0	0	9.78
43B	PALOS VERDES - GOLF COURSE	.42	.50	4.03	.31	.85	N O R E C O R D							INC.
44	POINT VICENTE LIGHT HOUSE	.25	.42	3.41	.35	.55	3.27	.48	.05	0	0	0	0	8.78
46D-E	BIG TUJUNGA DAM	1.10	.46	9.25	.17	3.43	9.81	.92	0	0	0	0	0	25.14
47A	CLEAR CREEK	1.45	.51	10.67	.16	2.98	12.06	.80	.15	0*	.02*	0*	.51	29.31**
47C	CLEAR CREEK	1.45*	.51*	12.31	.17	3.12	10.61	.93	.15	0	.02	0	.33	29.60**
48	OAK WILDE	1.63	.54	11.31	.20	3.02	9.59	.82	.25	0	T	0	.17	27.53
49	ALTADENA - CHIESA	.69	.28	7.49	.28	2.39	5.85	.71	.27	T	.01	0	T	17.97
50B	LA CANADA - ARROYO SECO DIVISION HEADQUARTERS	.66	.56	7.98	.15	2.40	5.98	.64	.13	0	T	0	.04	18.54
51	FALLING SPRINGS (LA CIENEGA)	2.93	.81	15.10	.28	3.55	10.54	.63	0	0	0	0	.21	34.05
52B	SWITZERS CAMP	N.I.										N.I.	.07	INC.
52C	WATERMAN GUARD STATION	1.25	.66	12.03	.23	3.13	11.06	.90	.23	0	.05	0	.92	30.46
53A	SLEEPY HOLLOW RANCH (COLBY'S)	1.97	.36	11.23	0	2.87	9.28	.82	0	0	.30	0	0	26.83
54	LOOMIS RANCH - ALDER CREEK	2.06	.31	6.10	.30	1.69	7.40	.95	0	0	.61	.09	.15	19.66
56	CAMP KOLE (VALLEY FORGE LODGE)	2.65	N O R E C O R D											INC.
57B-E	CAMP SINGER (OPID'S)	2.84	.70	15.86	.20	3.88	13.64	.86	.21*	0	.10	0	.14	38.43**
60A	CAMP LE ROY (HOEGEE'S)	1.38	.57	17.13	.54	2.38	10.02	.45	.25	0	.23	0	.05	33.00
62	BIG SANTA ANITA GUARD STATION	1.62	.39	11.27	.39*	2.10**	7.86	.40*	.25*	0	T	0	.10	24.38**
63B-E	BIG SANTA ANITA DAM	1.20	.19	10.18	.35	1.65	5.58	.38	.17	0	.06	0	.45	20.21
66	SIERRA MADRE - PEGLER RANCH	.81	.23	7.89	.25*	1.68	5.27	.40	0	0	0	0	T	16.53**
67B	MONROVIA - CITY HALL	.82	.10	8.54	.30	1.67	4.40	.33	.05	0	.09	0	.10	16.40
68B	SAWPIT DAM	.98	.24	10.47	.34	2.11	6.22	.76	.28	0	.03	0	.15	21.58
69	SAWPIT CANYON (HOGBACK)	1.75	.23	11.47	.48	2.47	6.98	.85	.62	0	.06	0	.10	25.01
70	ROGER'S CANYON - DALTON	1.09	.22	11.58	.27	2.12	4.82	.58	.12	0	0	0	.10	20.90
73	GLENDORA - ENGLEWILDE RANCH	1.44	.30	11.97	.25	2.34	5.62	.67	.16	0	0	0	.16	22.91
76B	SAN GABRIEL DAM #1 CAMP	1.82	.45	13.92	.47	2.81	8.74	.57	.09	0	.13	0	.13	29.13
82	TABLE MOUNTAIN	2.55	.17	6.17	.10	.74	2.71	.66	.02	0	1.41	.09	.03	14.65
83	BIG PINES RECREATION PARK	3.21	.40	10.27	.18	1.66	7.21	1.13	.04	0	1.75	T	.02	25.97
85B	CAMP BALDY GUARD STATION	3.04*	.50*	14.77	.40	3.78	10.41	.71	.29	0	.15	0	.70	34.75*
87	SAN DIMAS GUARD STATION	1.30	.31	11.62	.47	1.81	5.54	.65	.15	0	.04	0	.29	22.18
89-E	SAN DIMAS DAM	1.04	.29*	9.64	.40	1.79	5.30	.66	.04	0	.01	0	.20	19.37**
90	ELDER RANCH (BRYDON RANCH)	.82	.28	7.49	.33	1.70	5.16	.64	0	0	0	0	.12	16.54
91	INDIAN HILL - CLAREMONT	N O R E C O R D								0*	T*	0*	.38	INC.
92	POMONA COLLEGE - CLAREMONT	.71	.12	6.57	.41	1.52	3.92	.49	.11	0	T	0	.78	14.63
93	CLAREMONT - FIRE STATION	.78	.14	6.71	.40	1.64	4.06	.46	.11	0	.01	0	.74	15.05*
94	CHARTER OAKS - FIELDS RANCH	.91	.23	7.81	.33	1.24	4.67	.42	.05	0	0	0	.52	16.18
95	SAN DIMAS - SAN JOSE DIVISION HEADQUARTERS	1.64	.26	7.31	.24	1.45	4.31	.44	0	0	0	0	.40	16.05
96-E	PUDDINGSTONE DAM	1.45	.15	7.13	.27	1.27	4.04	.38	.12	0	0	0	.17	14.98
98	AZUSA - HIBSCH	1.03	.15	9.26	.31	1.85	4.86	.43	.04	0	0	0	0	17.93
99	AZUSA - FOOTHILL RANCH	.60	.17	9.48	.17	1.72	4.89	.43	0	0	0	0	0	17.46
101	WEST COVINA - HURST RANCH	.53	.28	6.96	.20	1.48	4.17	.34	.05	0	0	0	0	14.01
102B	WALNUT - SOUTH HILLS PATROL STATION	.44	.13	5.14	.50	1.40	4.44	.40	.03	0	0	0	.63	13.11
104	NO. WHITTIER HEIGHTS - COLE RANCH	.33	.29	6.50	.24	1.87	5.35	.53	0	0	0	0	.28	15.39
105	E. WHITTIER - SHARPLES RANCH	.24	.19	6.37	.19	1.86	4.19	.40	.02	0	0	0	.25	13.71
106	WHITTIER - CITY HALL	.26	.17	5.10	.11	1.32	4.13	.34	.03	0	0	0	.20	11.66
107B	DOWNEY - FIRE STATION	.24	.15	3.45	.21	.81	4.63	.52	0	0	0	0	.30	10.31
108B	EL MONTE - FIRE STATION	.49	.11	5.94	.12	1.38	4.60	.43	0	0	0	0	0	13.07
109C	WEST ARCADIA	.74	.23	6.75	.15	1.39	4.30	.38	0	0	0	0	0	13.94
110	ALHAMBRA - CITY HALL	.66	.24	6.49	.16	1.62*	5.64	.58	.03	0	0	0	0	15.42**
111	SO. PASADENA - CITY HALL	.55	.23	7.16	.22	1.65	4.79	.51	0	0	0	0	T	15.11
114	ROSECRANS RANCH - GARDENA	.35	N O R E C O R D											INC.
116B	INGLEWOOD - FIRE STATION #1	.33	.21	4.10	.20	.69	3.63	.46	.03	0	0	0	T	9.65
117B	COMPTON - FIRE STATION	.26	.22	4.00	.26	.52	4.36	.44	.05	0	0	0	0	10.11
118B	WILMINGTON	.18	.32	3.96	.28	.68	3.56	.59	0	0	0	0	0	9.57
119D	SAWTELLE - SOLDIER'S HOME	.56	.43	6.35	.23	1.42	3.27	.52	.06	0	0	0	T	12.86
120	VINCENT PATROL STATION	.77	.20	1.89	.19	.96	2.81	.54	.20	0	.87	.02	0	8.45
121	LANCASTER - UNION HIGH SCHOOL	1.32	T	2.06	T	.67	.93	.03	.10	0	.44	T	.05	5.60
122B	LEONIS VALLEY - RITTER RANCH	.70	.08	5.16	.05	1.54	4.53	.27	.23	0	0	0	0	12.56
124B	BOUQUET CANYON RESERVOIR	.96	.28	6.19	.27	2.03	6.01	.47	.55	0	.62	0	0	17.38
125	SAN FRANCISQUITO CANYON POWER HOUSE #1	1.18	.01	7.05	.34	2.07	5.54	.62	.39	0	.21	0	0	17.41
126	VENICE-CITY YARDS	.51	.48	4.67	.14	.98	2.69	.59	0	0	0	0	0	10.06
127	DRY CANYON RESERVOIR	1.26	.14	4.78	.22	.86	2.90	.34	.01	0	.08	0	0	10.59
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	1.82	.15	9.70	.24*	2.25	7.19	.26	.17	0	.40	0	0	22.18**
130B	SANDBERG - QUAIL LAKE PATROL	1.85	.32	4.03	.61	1.31	5.29	.26	.37	0	.17	T	.05	14.26
134	SAN DIMAS - STEVENS	1.30	.20	8.43	.24	1.47	4.66	.50	0	0	0	0	.25	17.05
135	NORWALK	.19	.11	4.79	.24	1.39	3.92	.37	0	0	0	0	0	11.01
136B	HOLLYWOOD - CITY ENGINEER	.50	.13	6.09	.06	1.11	3.93	.45	.03	0	0	0	.06	12.36
137B	CURSON CANYON	1.21*	.17*	7.31	.22	1.43	4.31	.58	.04	0	0	0	.25	15.52**
139	L.A.W.D. 2ND & BROADWAY	.50	.17	4.98	.11	1.30	1.91	1.86	.01	0	0	0	0	10.84
140	SAWTELLE - CITY HALL, WEST LOS ANGELES	.65	.37	6.60	.23	1.48	3.53	.54	.07	0	0	T	0	13.47
143	AZUSA - CITY PARK	.99	.17	9.11	.22	1.93	4.80	.44	.02	0	0	0	0	17.68
144	SIERRA MADRE DAM	1.09	.37	10.03	.38	1.70	5.72	.55	.17	0	.02	0	.10	20.13
150	MONROVIA FALLS	1.29	.28	12.72	.40	2.14	7.19	.67	.54	0	.05	0	.12	25.40
155B	LITTLE ROCK CREEK	1.46	0	1.89	.17	1.10	2.63	.46	0	0	.41	0	0	8.12
156	LA MIRADA - STANDARD OIL COMPANY	.15	T	5.19	.23	1.19	3.75	.32	0	0	0	0	.80	11.63
157	EL SEGUNDO - STANDARD OIL COMPANY	.32	.26	3.66	.26	.50	2.64	.53	T	0	0	T	0	8.17

TABLE III 1945-46 (continued)

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
158	TANBARK FLATS	1.22	.52	13.37	.47	2.39	7.52	.65	.34	0	.03	0	.34	26.85
164	MONROVIA - O'CONNOR	.85	.15	8.45	.25	1.69	4.57	.41	.10	0	.05	0	.03	16.55
167	ARCADIA PUMP PLANT	.92	.16	7.55	.21	1.63	4.77	.40	.05	0	.06	0	.06	15.81
168	SAN GABRIEL - WATTS	.50	N.R.	D I S C O N T I N U E D										INC.
169	SIERRA MADRE PUMP PLANT	.88	.28	8.49	.34	1.62	5.04	.56	.10	0	.03	0	.09	17.43
170B	POTRERO HEIGHTS	.45	.12	5.38	.18	1.21	4.93	.41	.04	0	0	0	T	12.72
171	CHAPMAN WELLS	.79	.21	7.25	.21*	1.56	5.13	.51	.05	0	0	0	0	15.71**
174	GLENDORA - WARREN	1.71	.23	8.41	.24	1.54	4.52	.53	.12	0	0	0	.04	17.34
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	1.05	.44	9.15	.23	2.42	7.24	.86	.22	0	0	0	0	21.61
176	RUBIO CANYON WATER COMPANY	.63	.23	8.02	.23	2.12	5.63	.58	.08	0	0	0	T	17.52
177C	LA CANADA - BRADFORD	.71	.32	8.60	.21	2.80	5.95	.63	.18	0	0	0	.23	19.63
178	AZUSA - GRIFFITH	.88	.18	8.28	.16	1.52	3.87	.40	.02	0	0	0	.02	15.33
179B	SIERRA MADRE - CARTER	.90	.25	9.24	.34	1.70	5.70	.83	.20	.02	.07	0	.09	19.34
181B	BASSETT - CLIFFORD	.69	.14	5.82	.18	1.35	4.16	.38	.03	0	0	0	.04	12.79
182	BALDWIN PARK - LEACH	.60	.17	6.96**	.16	1.86	4.04**	.36	.04*	0*	0*	0*	0*	14.19**
185	GLENDORA - WEST	1.74	.17	10.23	.25	1.90	5.00	.65	.07	0	0	0	.13	20.14
188C	SAN DIMAS - MORRISON	1.39	.26	7.66	.29	1.45	4.48	.45	0	0	0	0	.40	16.38**
192B	BELL-FIRE STATION	.41	.18	3.97	.15	.83	4.20	.54	.02	0	0	0	0	10.30
193	COVINA #2 - TEMPLE	.86	.13	6.48	.15	1.19	4.09	.48	.02	0	T	0	.32	13.72
196	LA VERNE - LEADER	1.12	.25	7.52	.33	1.62	4.24	.56	.07	0	0	0	.33	16.04
198B	BRAND DEBRIS BASIN	.74	.76	5.98	.15	1.81*	4.61	.81	.05	0	0	0	0	14.91**
199B	HUNTINGTON PARK - CITY YARD	.48	.18	4.49	.16	.91	3.86	.47	.02	0	T	0	0	10.57
200	SAUGUS - SO. CALIF. EDISON CO. SUB STATION	1.23	.19	5.42	.07	1.43	3.56	.27	.02	0	.42	0	0	12.61
201	PUENTE HILLS - ALTA MIRA RANCH	.25	.29	6.49	.24	1.84	5.14	.40	0	0	0	0	.57	15.22
205	PUENTE - SO. CALIF. EDISON CO. SUB STATION	.35	.18	6.10	.30	1.12	4.18	.32	.03	0	0	0	.39	12.97
206	VALENCIA HEIGHTS	.57	.15	6.10	.26	1.32	4.23	.34	.05*	0	0	0	0	13.02**
208	ARTESIA-BARR LUMBER COMPANY	.05	.16	4.94	.19	1.34	3.41	.50	.06	0	0	0	.10	10.75
209B	BIG TUJUNGA EDISON ROAD	1.29	.43	12.86	.19	2.83	11.13	1.04	0	0	0	0	0	29.77
210B	BRAND PARK	.97	.23	5.94	.15	1.79	5.19	.65	.07	0	0	0	0	14.99
213	LOS ANGELES - HANCOCK PARK	.62	.14	5.60	.12	.90	3.89	.48	.02	0	0	0	T	11.77
215B	BELLFLOWER FIRE STATION	.25	.14	4.38	.13	.96	4.11	.54	0	0	0	0	.06	10.57
216	GLENDALE - JONES	.88	.21	6.30	.17	1.90	4.57	.65	T	0	T	0	T	14.68
217	WATTS - JORDAN HIGH SCHOOL	N	O	R	E	C	O	R	D					
218	TORRANCE - GENERAL PETROL.CORPORATION	.42	.48	3.72	.35	.78	3.74	.56	0	0	0	0	0.*	10.05**
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	1.25	.28	4.80	.23	1.64	4.05	.78	0	0	0	0	0	13.03
221B	PACOIMA WASH - DUCKWORTH RANCH	N	O	R	E	C	O	R	D	0	N.R.	N.R.	0	INC.
222	LANKERSHIM GENERATING PLANT	.76	.22	3.51	.15	1.24	3.15	.55	.05	0	.02	0	0	9.65
223B-E	BIG DALTON DAM	1.42	.34	11.35	.33	2.14	6.69	.87	.32	0	.04	0	.20	23.70
224	LONG BEACH - ALAMITOS LAND COMPANY	.10	.32	4.94	.20	1.11	3.90	.60	.05*	0*	0*	0*	T*	11.22*
225	MONTANA RANCH	.11	.23	4.27	.20	1.39	3.55	1.00	.60	0	0	0	.03	11.38
226	BURBANK - FIRE STATION	.89	.18	5.71	.14	1.79	4.79	.72	.08	0	T	0	.06	14.36
227B	SAN GABRIEL - GLEASON	.54	.14	6.56	.05	1.64	4.82	.54	0	0	0	0	0	14.29
228B	BEVERLY HILLS - CITY HALL	.58	.20	7.07	.16	1.26	3.54	.54	T	0	0	0	T	13.35
230C	LIVE OAK CANYON - ELDER	.97	.16	7.56	.27	1.85	4.08	.55	0	0	0	0	.44	15.88
234	COVINA - THORPE	.75	.14	6.20*	.40	1.37**	4.36	.50	.05*	0	0	0	0	13.77**
235B	HENNINGER FLATS	1.11	.11	9.65	.38	2.39	7.25	.71	.73	0	.02	0	.03	22.38
236	SAN FERNANDO - HUFFMAN RANCH	1.35	.21	5.95	.26	1.51	4.92	.74	.24	0	0	0	0	15.18
237	STONE CANYON DAM	.89	.40	8.67	.22	1.84	4.57	.53	.06	0	0	0	.29	17.47
238	HOLLYWOOD DAM	.59	.24	5.57	.14	1.10	4.06	.50	.04	0	0	0	.36	12.60
240B	LITTLE TUJUNGA CANYON - ODDOUS RANCH	1.51	.59	6.74	.20	1.94	5.98	1.08	.45	0	0	0	0	18.49
241A'	LONG BEACH - VETERAN MEMORIAL BUILDING	.12	.25	4.49	.21	.68	3.33	.51	.02	0	0	0	T	9.61
246B	CULVER CITY - BUS YARD	.52	.37	4.67	T	.67	3.26	.55	T	0	0	0	0	10.04
250C	ACTON - OLIVE VIEW CAMP	.77	.13	3.52	.23	1.06	3.62	.50	.04	0	.75	0	0	10.62
251	LA CRESCENTA	1.01	.28	9.20	.20	2.20	5.86	.67	.25	0	.04	0	0	19.71
253	WESTERN AVENUE TANK L.A.W.D.	N.R.	N.R.	4.00	D	I	S	C	O	N	T	I	N	U	E	D	INC.
254	PUENTE - ROWLAND RANCH	.38	.18	6.12	.43	1.15	4.11	.34	0	0	0	0	.50	13.21
255B	SAN JOSE HILLS - DUNN RANCH	.25	.10	6.12	.60	1.67	4.70	.40	.03	0*	0	0*	.09	13.96**
256B	POMONA - FIRE DEPARTMENT	.65	.09	5.89	.17	1.21	3.55	.40	.03	0	0	T	1.02	13.01
257	GRIFFITH PARK NURSERY	.67	.21	7.16	.14	1.43	4.45	.55	0	0	0	0	0	14.61
258A	GRIFFITH PARK TUNNEL - MT. HOLLYWOOD	.67	.22	6.55	.14	1.36	4.07	.52	.02	0	0	0	.02	13.57
258B	GRIFFITH PARK SO. SLOPE - MT. HOLLYWOOD	.75	.23	6.54	.17	1.30	4.22	.53	.02	0	0	0	.02	13.78
258C	GRIFFITH PARK NO. SLOPE - MT. HOLLYWOOD	.75	.26	6.40	.18	1.43	4.32	.54	.02	0	0	0	.03	13.93
259C	CHATSWORTH PATROL STATION - TWIN LAKES	1.20	.23	8.14	.49	1.24	4.15	.61	0	0	0	0	0	16.06
261-E	ACTON - MELLEN	.96	.21	2.96	.30	.84	3.36	.53	.28	0	1.10	0	.16	10.70
263A	POMONA - FRATER	.60	.08	6.35	.25	.98	3.86	.46	.04	0	0	0	.89	13.51
265C-E	PUENTE HILLS - WEISEL RANCH	.24	.15	6.05	.26	1.09	4.03	.40	0	0	0	0	.31	12.53
266	LEFFINGWELL RANCH - E. WHITTIER	.17	.19	4.93	.17	1.02	4.07	.41	0	0	0	0	.20	11.16
268-E	TORRANCE - SO. CALIF. EDISON CO. SUB STATION	.27	.36	3.53	.31	.78	3.31	.42	0	0	0	0	D	8.98
269A	DIAMOND BAR RANCH #1	.46	.19	6.09	.33	.93	5.22	.53	0	0	0	0*	.18*	13.93**
269B	DIAMOND BAR RANCH - HORSE CAMP	.48	.21	6.23	.29	.98	4.92	.53*	0	0	0	0	.18	13.82**
270	COUNTY FARM - RANCHO LOS AMIGOS	.44	.18	4.02	.21	.80	4.05	.53	.08	0	0	0	.05	10.36
271	DOMINGUEZ HILLS	.50	.29	3.59	.29	.46**	4.49*	.43*	0	0	0	0	0	10.05**
272	LOS ANGELES - HEADWORKS PUMP PLANT	.82	.24	6.23	.11	1.57	4.42	.56	0	0	0	0	T	13.95
274	ACTON - HUBBARD	.67	.28	2.39	.39	1.10	3.35	.63	.33	0	.92	.15	T	10.41
275	SAN MARINO - HUNTINGTON LIBRARY	.76	.40	7.55	.18	2.00	5.58	.60	.02	0	0	0	0	17.09
277	SAWMILL MT. RANCH	2.00	.31	6.74	.29	2.50	8.77	.45	.15	0	.13	T	T	21.34
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.50	.42	4.75	.23	.85	3.48	.45	0	0	0	0	0	10.68
279A	PASADENA GLEN - KINNELOA RANCH	.96	.17	8.29	.30	2.07	6.30	.79	.37	T	T	0	.01	19.26
280B	FLINTRIDGE FIRE STATION	.67	.31	7.86	.19	2.63	6.28	.60	.14	0	T	0	T	18.68
283A	CRYSTAL LAKE - E. PINE FLAT	3.65	.93	15.55	.10	3.02	13.09	.83	0	0	1.18	0	.13	38.48
284	PLACERITA CANYON	1.64	.55	7.50	.20	1.82	6.57	.59	.04	0	.02	0	0	18.93
285C	MT. ST. MARY'S COLLEGE	.59	.35	9.61	.24	1.63	3.53	.62	.10	0	0	0	0	16.67
287	GLENDORA CONSOLIDATED MUTUAL IRRIGATION COMPANY	1.59	.14	10.35	.22	1.89	4.78	.74	.10	0	0	0	.10	19.91
289	LAGUNA - BELL SO. CALIF. EDISON CO. SUB STATION	.31	.14	4.22	.17	.92	5.21	.52	0	0	0	0	T	11.49
290	NEWMARK - SO. CALIF. EDISON CO. SUB STATION	.46	.19	4.63	.13	1.04	3.86	.41	.02	0	0	0	0	10.74
291	LOS ANGELES - 96TH & CENTRAL AVENUE	.34	.15	3.87	.13	.78	3.07	.28	0	0	0	0	0	8.62
292-E	ENCINO RESERVOIR	.69	.33	5.64	.23	1.33	3.74	.48	.10	0	0	0	0	12.54
293	LOWER SAN FERNANDO RESERVOIR	.88	.54	6.38	.27	1.24	4.08	.40	.14	0	T	0	0	13.93
294	SIERRA MADRE - MIRA MONTE PUMP PLANT	.97	.27	9.12	.35	1.63	5.26	.55	.13	0	.02	0	.12	18.42
295F	GLENDALE - KENNEDY	.74	.16	6.39	.14	1.97	4.75	.60	T	0	T	0	.02	14.77
299C	LITTLE ROCK	.96	0	1.31	.05	.70	1.96	.28	.26	0	.47	0	.45	6.44
300A	GARRAPATA CANYON - FAILOR CANYON	.63	.20	9.98	.36	2.67	5.94	.41	.09	0	0	0	0	20.28
303C	PASADENA CAL TECH	.61	.23	7.06	.17	1.95	5.35	.59	.02*	0	0	0	0	15.98**
304	SAWPIT CANYON - DEER PARK	1.77	.30	14.88	.58	2.63	8.91	.65	.64	0	.08	0	.12	30.55
305	ARROYO SEQUIS - MASON ESTATE	.79	.30	6.92	.22	1.25	6.03	.23	.09	.02	0	0	.01	15.86
308	KELLEY'S KAMP	2.55	.62	19.37	.50*	3.82	12.60	.85*	.39*	0*	.20*	0*	1.00	42.10**
309	PADUA HILLS	1.02	.29	10.50	.43	2.34	5.29	1.23	.27	0	0	0	.42	21.79
311B	PASADENA METEOROLOGICAL STATION	.53	.35	7.07	.21	2.26	5.30	.54	.07	0	.14	0	T	16.47
312	AZUSA PLANT - GLENDORA CONSOL. MU. IRR. CO.	.85	.15	9.87	.22	2.04	5.58	.44	0	0	0	0	.03	19.18
321-E	PINE CANYON - PATROL STATION	2.46	.11	8.57	.17	2.43	6.40	.24	.12	0	.35	T	0	20.85
322	MUNZ VALLEY RANCH	.68	0	5.25	0	1.25	2.35	0	0	0	1.00	0	0	10.53
344-E	SAN GABRIEL DAM #2	2.07	.25	13.88	.16	3.70	13.33	.57	.05	0	.14	0	.78	34.73
336	SILVER LAKE RESERVOIR	.63	.13	4.94	.10	1.56	3.65	.54	T	0	0	0	0	11.55
338A	MT. WILSON - OBSERVATORY	1.57	.69	14.42	.25	3.26	11.84	.92	.01	0	.09	0	.20	33.25
338B	MT. WILSON - AIR WAYS STATION	1.82	.71	12.70	.31	3.98	11.80	.95	.21	0	.04	0	.30	32.82
339	WALNUT FRUIT GROWERS ASSOCIATION	.65	.12	5.23	.51	1.28	4.97	.43	.07	0	0	0	.43	13.69
341	ALISO CANYON - BLUM RANCH	.96	.09	2.22	.24	1.08	3.36	.58	.14	0	1.60	T	0	10.27
342	UPLANDS	.70	.15	7.57	.31	1.77	3.99	.69	.13	0	.01	0	.60	15.92
343B	RIVERA - TELEGRAPH ROAD	.35	.20	4.76	.17	1.17	4.33	.52	.03	0	0	0	.05	11.58
347-E	BALDWIN PARK EXPERIMENTAL STATION	.58	.17	7.56	.16	1.86	3.82	.36	.04	0	0	0	0	14.55
348C	SAN GABRIEL E. FORK - HONOR CAMP #4	1.57	.41	12.10	.47	2.67	7.40	.69	.19	0	.32	0	.15	25.97
349B	CAMP RINCON	1.96	.35	15.02	.28	2.50	8.87	.61	.02	0	.17	0	.53	30.31

TABLE III 1945-46 (continued)

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
351D	PALMDALE - SCHOELLER	.99	.02	2.55	.02	1.00	2.49	.26	0	0	.13	T	0	7.46
352	LECHUZA PATROL STATION	.86	.24	7.35	.26	1.35	5.86	.42	.04	.02*	0	0	T	16.40**
353	DUARTE - MONROVIA CITRUS ASSOCIATION	.59	.27	8.66	.25	2.12	4.50	.35	.05	0	0	0	0	16.79
354D	CAMP BALDY - BOYS CAMP	2.75*	.50*	14.83*	.46	3.31	11.01	.78	.33	0	.23	0	0	34.20**
355	LOS ANGELES CITY COLLEGE	.65	.16	5.41	.11	1.26	4.19	.49	.03	0	0	0	0	12.30
356E	SPADRA - PACIFIC COLONY	1.12	.13	5.30	.17	1.41	4.32	.39	T	0	0	0	.21	13.05
357	SAN FERNANDO - POWER HOUSE #3	1.05	.35	7.84	.32	1.28	4.63	.37	.23	0	T	0	0	16.07
362	EL MIRADO RANCH	.72	.30	7.49	.12	2.40*	5.47	.57	.07	0	09	0	T	17.23**
364	HAINES CANYON - LOWER	1.26	.44	7.94	.22	2.54	8.92	.86	.58	0	.28	0	.11	23.15
366	VALYERMO - NOBLE	1.23	.03	2.50	.02	1.10	3.65	.41	.14	0	.78	0	0	9.86
367	HAINES CANYON - UPPER	1.43	.76	10.28	.26	2.63	10.24	1.07	.68	0	.13	0	.05	27.53
372	SAN FRANCISQUITO - POWER HOUSE #2	1.18	.52	6.24	.30	1.62	4.04	.33	.30	0	.08	0	0	14.61
373	BRIGGS TERRACE	1.13	.46	8.79	.22	2.33	7.01	.83	.57	0	T	0	.05	21.39
375B	GRIFFITH PARK ZOO	.77	.26	5.32	.14	1.40	4.23	.19	0	0	0	0	.06	12.37
377D	LAKE SHERWOOD ESTATES	.85	.23	7.04	.21	1.78	5.14	.29	0	0	0	0	0	15.54
379B	SAN GABRIEL - EAST FORK	1.87	.45	13.11	.38	2.90	8.32	.60	.23	0	.33	0	.05	28.24
380	EL SERENO	.54	.23	5.95	.11	1.60	4.78	.58	0	0	0	0	0	13.79
381B	SANTA MONICA - "OUTLOOK"	.55	.34	5.52	.26	1.35	2.87	.57	.13	0	T	0	T	11.59
384B	HIGHLAND PARK - SAN RAFAEL HILLS	.58	.30	6.61	.19	2.24	5.11	.58	.04	0	0	0	.01	15.66
386B	ZUMA CANYON - OAKLEY	.93	.31	10.46	.32	3.17	7.57	.29	.12	0	0	0	0	23.17
387B	COVINA - CITY SEWAGE DISPOSAL PLANT	.71	.20	7.60	.17	1.43	4.05	.40	.05	0	0	0	T	14.61
388B	CLEARWATER - FIRE STATION	.23	.19	3.86	.31	.64	3.85	.60	.20	0	0	0	T	9.88
389	GLENDORA - BROWN	1.64	.19	11.30	.21	1.89	5.37	.76	.17	0	T	0	.15	21.68
390B-E	MORRIS DAM	2.00	.35	13.39	.44	2.33	6.44	.67	.13	0	.02	0	1.04	26.81
391B	MONTEBELLO - FIRE DEPARTMENT	.36	.13	4.71	.17	.88	4.65	.42	T	0	0	0	0	11.32
392B	ALTADENA - BARTON	.66	.23	7.85	.25	2.08	6.47	.74	.27	0	.01	0	.03	18.59
394	HIGHLAND PARK - LINDSAY	.56	.26	6.14	.13	2.16	4.88	.51	.02	0	0	0	T	14.66
395	OLIVE VIEW SANATORIUM	1.46	.42	7.12	.36	1.38	5.16	.48	0	0	0	0	0	16.38
400	PASADENA - WASHINGTON & PALM TERRACE	.60	.24	7.45	.25	2.02	5.37	.56	.08	0	.07	0	.02	16.66
402C	CEDAR SPRINGS - STATE PRISON CAMP	I	N	A	C	T	I	V	E				.83	INC.
404	GLENDALE - OPID	.73	.18	6.21	.16	1.98	4.21	.68	0	0	0	0	.02	14.17
405	SOLEDAD CANYON - ECKLES	.82	.27	4.40	.65	1.96	6.37	.26	0	0	0	0	.54	15.27
406C	WEST AZUSA - AZUSA IRRIGATION COMPANY PLANT #6	.79	.20	8.56	.16	1.58	4.38	.43	0	0	0	0	0	16.10
407	NEWHALL - U.S.F.S. HEADQUARTERS	1.28	.56	7.75	.34	2.00	6.05	.45	0	0	0	0	0	18.43
408	SOLEDAD CANYON - MITCHELL	N	O	R	E	C	O	R	D	0	T	T	N.R.	INC.
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.72	.20*	5.53	.12	1.82	5.50	.41	0	0	.41	0	.55	15.26**
410A	RIDGE ROUTE - PARADISE RANCH	1.85	.16	7.69	0	1.74	5.70	0	0	0	0	0	.38	17.52
411B	RIVERA - PICO - ROBINSON	.35	.20	4.71	.14	1.35	4.64	.46	0	0	0	0	.04	11.89
415	SIGNAL HILL - CITY HALL	.18	.32	4.27	.19	1.04	3.68	.59	.07	0	0	0	0	10.34
416	ALTADENA - VENTURA STREET	.75	.28	7.60	.28	2.43	6.00	.64	.27	0	.04	0	.03	18.32
417	SIERRA MADRE - LAMANDA PARK CITRUS ASSOCIATION	.44	.28	7.77	.20	1.99	5.68	.69	.02	0	0	0	0	17.07
419	SANTA CLARA RIDGE - MT. GLEASON	2.36	.53	11.59	.13	2.37	8.96	1.03	0	0	0	0	0	26.97
420A	ACTON - COLOMBO RANCH	1.36	.29	3.82	.20*	1.61	4.77	.61*	0	0	.25*	0	0	12.91**
421B	LOPEZ CANYON BELOW MOUTH	1.00	.29	5.01	.23	1.45	4.07	1.01	.15	0	0	0	0	13.21
422B	PACOIMA CANYON - WALSH RANCH	2.00*	.31	10.19	.29	1.85	8.53	.71	.29	0	.14	0	0	24.31**
423	ALISO CANYON - WAGON WHEEL RANCH	2.13	.26	5.98	.04	1.70	6.99	.90	T	0	.54	.12	.04	18.70
425B-E	SAN GABRIEL DAM #1	2.21	.42	13.56	.38	2.62	8.21	.62	.21	0	.03	0	.62	28.88
427	DOWNEY - JORDAN	.36	.20	4.21	.20	.95	4.78	.48	T	0	0	0	.05	11.23
429	RED BOX - STATE HIGHWAY MAINTENANCE STATION	1.69	.48	11.07	.20*	2.91	10.51	.75*	0	0	.05*	0*	.20*	27.86**
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	1.12	.25	5.20	.08	1.39	3.89	.27	0	0	0	0	0	12.20
431	BALDWIN HILLS - NORTH SIDE	.51	.38	5.10	.22*	.75*	4.68	.52	0	0	0	0	0	12.16**
432	SANTA ANITA - FERN LODGE	1.64	.37	10.69	.53	2.20	7.29	.55	.06	0	.35	0	.11	23.79
433	ALTADENA - FARNSWORTH PARK	.56	.29	8.45*	.36	2.56	6.26	.62	.43	0	0	0	.02	19.55**
434	MALIBU HDQTS. - L.A. CO. FORESTER & FIRE WARDEN	.68	.13	7.88	.32	1.80*	5.16	.26	0	0	0	0	0	16.23**
435	MONTE NIDO CANYON PATROL STATION	.66	.19	9.26	.22	1.62	4.98	.21	.04	0	0	0	0	17.18
436B	HANSEN DAM	.50	.28	4.38	.18	1.40	3.58	.65	.05	0	0	0	0	11.02
437	HAMILTON BOWL - LONG BEACH	.16	.24	3.95	.17	1.04	3.18	.65	.02	0	0	0	.01	9.42
438	ENCINO - QUIROLLO	.95	.20	6.96	.25	1.87	4.51	.55	.10*	0*	0*	0*	0*	15.39**
440B	CHILAO - U.S.F.S. CAMP	3.18	.63	8.48	.23	2.27	10.09	.92	.10	0	.19	0	.15	26.24
441-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.96	.03	2.62	.03	1.06	2.71	.29	.12	0	.24	0	0	8.06
442	MESCAL CREEK - FORT TEJON ROAD	.45	T	1.67	.01	.85	2.90	1.00	.10	0	1.23	T	0	8.21
443	LATIGO CANYON ROAD AT MULHOLLAND ROAD	.87	.26	9.49	.32	2.14	6.54	.26	.06	0	0	0	0	19.94
444	ROLLING HILLS - PALOS VERDES	.26	.39	7.24	.47	.97	4.11	.10	.02	0	0	0	0	13.56
445B	LIVE OAK DAM	.93*	.42	8.67	.25	1.69	4.27	.51	.23	T	0	0	.30	17.27**
446	ALISO CANYON - SANTA SUSANA MTS.	1.37	.39	7.67	.43	1.45	5.30	1.07	.20	0	0	0	0	17.88
447	LAS FLORES PATROL STATION	.45	.19	6.47	.24	1.08	3.10	.35	.14	0	0	0	0	12.02
449	EATON DAM	.75	.18	7.40	.23	2.07	5.51	.58	.14	0	.03	0	0	16.89
451	CASTAIC PATROL STATION	1.51	.15	5.64	.20	1.08	3.37	.04	0	0	0	0	0	11.99
452	STUDIO CITY - THAYER	.63	.17	6.58	.22	2.00	5.02	.29	0	0	0	0	.01	14.92
453	DEVIL'S GATE DAM	.58	.25	7.37	.21	2.37	5.12	.56	.12	0	.02	0	T	16.60
454	LOS ANGELES - W. J. WOOD	.49	.34	5.10	.19	1.05	3.87	.47	0	0	0	0	T	11.51
455	LANCASTER - STATE HIGHWAY MAINTENANCE DEPARTMENT	1.55	.04	2.63	.05	.72	1.16	.28	.26	0	.40	0	.03	7.12
456	ANTELOPE VALLEY MUSEUM - PIUTE BUTTE	.50	.10	1.10	.02	.50	1.44	.17	.11	0	.35	T	T	4.29*
457B	LOS ANGELES - ZALVEDES STREET	.53	.22	5.27	.12	1.62	4.21	.49	.06	0	0	0	.02	12.54
458	ZUMA CANYON PATROL STATION	.45	.24	5.58	.44	.70	3.45	0	0	0	0	0	0	10.86
460	PLEASANT VIEW MESA - MATAY	1.58	0	2.36	.10*	.90	4.93	.35	0 *	0 *	1.33*	0 *	0 *	11.55**
461	BALDWIN HILLS - STANDARD OIL COMPANY	.60	.33	3.91	.22	.68	3.48	.53	0	0	0	0	0	9.75
462	HILLCREST COUNTRY CLUB	.63	.27	6.03	.13	1.17	3.68	.59	.06	0	0	0	T	12.56
463	MAR VISTA - SOUTHERN CALIFORNIA WATER COMPANY	.56	.38	5.41	.25	.97	3.12	.56	.06	0	0	0	T	11.31
464	TUJUNGA CANYON HONOR CAMP #5	1.29	.56	9.95	.16	2.63	11.32	1.04	.04	0	0	0	.31	27.29
465B	SEPULVEDA DAM	.64*	.18	5.45	.18	1.60	4.06	.54	0	0	0	0	0	12.65**
466B	PACOIMA CANYON NEAR DUTCH LOUI CANYON	2.23*	.55	9.78	.32	1.71	7.07	1.14	.70	0	.11	0	0	23.61**
468-E	PICKENS DEBRIS BASIN	.91	.28	7.86	.20	1.91	5.38	.72	.24	0	.02	0	.02	17.54
470	TUJUNGA - MILL CREEK	1.54	.21	5.22	.17	.93	6.35	.59	0	0	.44	0	.05	15.50
471	LITTLE TUJUNGA - GOLD CREEK	1.52*	.63	8.16	.03	1.71	7.92	.80	.08	0	0	0	0	20.85**
473	AQUA DULCE CANYON - BLACKWELL RANCH	.91	.28	3.60	.13	1.51	5.58	.64	.06	0	.15	0	0	12.86
474	SOUTH GATE - POLICE DEPARTMENT	.37*	N	O	R	E	C	O	R	D	0	0	0	INC.
475	SAUGUS - NEWHALL LAND & FARMING COMPANY	1.11	.25	5.01	.09	1.35	3.68	.28	0	0	.34	0	0	12.11
476B	TRIUNFO CANYON (RUESS RANCH)	.70	.16	7.83	.28	2.42	N	O	R	E	C	O	R	D	INC.
477	SANTA ANITA - SPRING CAMP	1.85	.55	15.06	.43	2.03	9.34	.54	.16	0	.35	0	.47	30.78
478	VALYERMO - U.S.F.S. HEADQUARTERS	1.18	.03	2.44	.01	1.17	3.69	.38	.12	0	.74	0	0	9.76
482	LOS ANGELES - U.S.C.	.50	.24	4.62	.07	1.23	3.77	.45	0	0	0	0	0	10.88
485	COVINA - BURCH	.56	.27	8.35	.17	1.64	4.35	.38	.05	0	0	0	0	15.77
486	COLDWATER CANYON - WIDMAN RANCH	2.43	.41	12.22	.40	2.17	8.27	.97	.51	0	.76	0	.54	28.68
487	MALIBU BEACH AT WINTER CANYON	.45	.20	6.20	N	O	R	E	C	O	R	D		INC.
488	KAGEL CANYON PATROL STATION	1.03	.45	5.50	.22	1.55	4.56	.76	.08	0	T	0	0*	14.15**
489	COLD CREEK - STUNTS RANCH	.66	.26	9.25	.35	2.10	5.93	.26	0	0	0	0	0	18.81
490	LANCASTER - WILEY RANCH	.90	.20	1.37	0	1.57	1.32	0	.12	0	.65	0	0	6.13
491	PACIFIC PALISADES	.57	.23	6.23	.23	1.34	3.87	.63	T	0	0	0	0	13.10
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	3.22	.46	8.10	.25*	1.97	9.83	.87	T	0	.05	0	.11	24.86**
493	SAND CANYON - MAC MILLAN RANCH	N	O	R	E	C	C	R	D	7.03	.30	0	0	0	0	0	0	INC.
494	PICO - CATE	.37	.17	4.82	.17	1.29	4.65	.42	0	0	0	0	0	11.89
495	LOS ANGELES - 8TH & FIGUEROA	.49	.20	5.41	.07	1.64	4.17	.43	.04	0	0	0	.02	12.47
496	TRANCAS CANYON	.50	.29	5.03	N	O	R	E	C	C	R	D		INC.
497	CLAREMONT - SLAUGHTER	.88	.24	8.48	.22	1.82	4.20	.56	.06	0	0	0	.35	16.81
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	1.60	.50	11.06	.27	2.49	8.00	.93	.47	0	0	0	.52	25.84
499	BALLONA CREEK - SAWTELLE BOULEVARD	.50	.49	3.47	.17	.54	2.58	.49	0	0	0	0	T	8.24
X-6	ENCINO RESERVOIR #2	.88	.31	8.61	.32	1.97	5.36	.57	.11	0	0	0	0	18.13
508B	ARROYO SECO RANGER STATION	.81	.36	8.74	.27	2.60	6.68	.74	.41	0	0	0	.09	20.70
517	ANDERSON RANCH (BURKHART)	1.91	.01	4.47	.11	1.01	6.01	.58	.06	0	3.10	0	0	17.26

TABLE III 1945-46 (continued)

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
529	CHINO-AMERICAN BEET SUGAR COMPANY	.88	.07	5.89	.34	.97	3.49	.63	0	0	0	0	.72	12.99
530	CONEJO RANCH	.62	.25	5.21	.30	1.35	3.98	.18	0	0	0	0	0	11.89
534	FILLMORE	1.15	.36	7.45	.29	1.50	4.78	.17	0	0	0	0	0	15.70
542	FAIRMONT	1.75	.03	7.48	.02	2.35	5.15	.10	.15	0	.28	T	.30	17.61
551	PORT HUENEME LIGHT HOUSE	.50	.54	4.65	.15	.90	2.65	.15*	0	0	0	0	0	9.54**
557	LA HABRA - CITRUS ASSOCIATION	.20	.10	4.86	.20	.73	3.26	.38	0	0	0	0	0	9.73
565	LONG BEACH - 16TH & CHESTNUT	.14	.24	4.19	.20	.79	3.43	.56	T	0	0	0	T	9.55
566	LONG BEACH #1, 10TH & ROSWELL	.12	.25	5.28	.25	1.40	4.03	.75	.10	0	0	0	.01	12.19
571	LONG BEACH #6, 1ST & PROSPECT	.12	.24	4.39	.16	.69	3.12	.61	.08	0	0	0	T	9.41
575B	LONG BEACH - WEATHER BUREAU	.10	.27	4.58	.24	.92	4.11	.30	.05	0	0	0	T	10.57
577E	LOS ANGELES - U.S.W.B. - 6TH & MAIN	.40	.17	5.03	.12	1.44	3.52	.37	T	0	0	0	.02	11.07
577F	LOS ANGELES - U.S.W.B. - FEDERAL BUILDING	.56	.23	5.05	.11	1.52	3.66	.44	.04	T	T	0	.02	11.63
587	SAN ANTONIO CANYON - POWER HOUSE #1	1.17	.37	13.26	.52	2.41	6.61	.86	.29	0	.19	0	.38	26.10
588B	MOUNT LOWE - WURMSER	N	0		R	E	C	O	R		D			N.R.
589	MOUNTAIN SPRINGS	1.18	.24	7.42	D	I S	C	O N	T	I	N	U E	D	INC.
593B	NEWHALL RANCH	.94	.26	6.55	.22	2.32	4.18	.14	0	0	.03	0	0	14.64
594B	NEWHALL (S. P. R. R. DEPOT)	.97	.20	6.81	.10	2.44	5.18	.41	T	0	0	0	0	16.11
597	NEWBURY PARK	.68	.27	5.74	.29	1.37	4.06	.21	0	0	0	0	0	12.62
598	NEENACH	.86	.10	3.35	.24	1.18	2.62	.29	.18	0	.15	.01	0	8.98
610A	PASADENA - MORRIS JONES	.67	.21	7.30	.30	2.13	5.87	.57	.15	0	.04	0	.06	17.30
610B	PASADENA - CITY HALL	.69	.24	7.02	.24	2.27	5.28	.65	.10	T	T	0	.01	16.50
611	PASADENA - ALLEN	.69	.22	7.59	.27	2.16	6.50	.73	.15	0	.02	0	.04	18.37
612	PASADENA - CHLORINE PLANT	.79	.32	8.27	.28	2.56	6.70	.67	.31	0	T	0	T	19.90
613B	PASADENA - HURLBUT FIRE STATION	.62	.29	6.29	.18	1.79	4.80	.53	.05	0	0	0	.01	14.56
617	POMONA - ADAMSON	1.04	.20	6.34	.21	1.59	4.34	.39	.12	0	T	T	.52	14.75
618	SANTA SUSANA - WOLFF RANCH	.96	0	5.17	.45	1.20	4.38	.38	0	0	0	0	0	12.54
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	1.50	.36	14.76	.49	3.09	10.22	.84	.15	0	.16	0	0	31.57
623	SAN FERNANDO - U.S.W.B.	.95	.43	5.84	.26	1.25	3.53	.42	.25	0	.01	0	T	12.94
627	SAN GABRIEL CANYON POWER HOUSE	1.01	.23	11.08	.23	2.28	4.97	.48	.07	0	0	0	.01	20.36
629C	SAN PEDRO - U.S.W.B.	.38	.54	4.23	.33	.71	3.02	.61	.05	0	0	0	T	9.87
634B	SANTA MONICA - CITY HALL	.50	.34	5.03	.26	1.74	2.91	.52	.10	0	0	0	T	11.40
644	SOMIS - SNYDER RANCH	.80	.25	4.88	.24	1.15	2.66	.14	0	0	0	0	0	10.12
647G	SUNLAND - TUJUNGA	1.09	.34	6.54	.15	2.10	6.07	.80	.33	0	.17	0	.01	17.60
650	UPLANT - BAIRD	.68	.27	10.00	.42	2.02	4.23	1.07	.24	0	.02	0	.53	19.48
656B	SUNLAND	N.R.	N.R.	4.79	.16	1.91	4.98	.53	N O	R E	C O	R D		INC.
660	OXNARD - U.S.W.B.	.55	.35	4.39	.26	1.00	3.16	.16	0	0	0	0*	0	9.87**
662	LONG BEACH - 37TH & GAVIOTO	.20	.35	4.35	.26	.88	3.90	.66	.15	0	0	0	T	10.75
665	SANTA PAULA - BLANCHARD	.96	.26	6.23	.25	1.40	3.65	.24	0	0	0	0	0	12.99
666	LONG BEACH - SOUTH & LEMON	.32	.30	3.58	.32	.64	3.90	.66	.09	0	0	0	T	9.81
671B	L.A. - WABASH SUB STATION, SO. CALIF. EDISON CO.	.57	.19	5.03	.11	1.25	4.16	.58	.05	0	0	0	0	11.94
672	EAGLE ROCK - SO. CALIF. EDISON CO. SUB STATION	.57	.24	6.11	.28	2.21	4.88	.56	0	0	T	0	T	14.85
673	SEAL BEACH - L.A. POWER & LIGHT CORPORATION	.09	.24	4.72	.12	.52	3.46	.72	.15	0	0	0	0	10.02
676	LOS ANGELES - WEST 80TH STREET	.52	.25	4.48	.25	1.02	3.73	.47	.07	0	0	0	T	10.79
677C	PASADENA - HOFFNER	.70	.27	7.77	.23	2.39	5.61	.40	0	0	.09	0	T	17.46
678	PASADENA - SHELDON RESERVOIR	.66	.24	8.81	.21	2.87	6.43	.59	.11	0	.04	0	T	19.96
679	PUENTE - NO. WHITTIER HEIGHTS CITRUS ASSOCIATION	.45	.34	6.20	.23	1.63	4.63	.29	.04	0	0	0	.06	13.87
680	WESTWOOD - U.C.L.A.	.74	.26	5.96	.20	1.82	3.88	.54	.08	0	0	0	.02	13.50
681B	SANTA ANITA GUARD STATION	.93	.24	9.41	.55	1.69	5.73	1.06	.19	T	.06	0	.10	19.96
683	SUNSET GUARD STATION - U.S.F.S.	.83*	.21*	8.94	.25	2.17	6.84	.80	.58	0	.03	0	.08	20.73**
684	ARCADIA WAREHOUSE - U.S.F.S.	.83	.17	7.70	.21	1.59	4.69	.25	.05	0	.03	0	.09	15.61
685B	SOUTH PASADENA - MARSH	.52	.58	6.62	.11	1.74	5.31	.56	0	0	0	0	0	15.44
689B	SAN MARINO - COOPER	.75	.33	7.08	.27	1.63	4.80	.66	0	0	0	0	0	15.52
691	SAN ANTONIO SPREADING GROUNDS	.90	.28	10.71	.46	2.10	5.07	.88	.29	0	.03	0	.25	20.97
694B	TUJUNGA CANYON GUARD STATION - U.S.F.S.	1.18	.35	5.31	.15	2.27	6.82	.92	.26	0	0	0	T	17.26
695	TUJUNGA CANYON - VALHALLA RANCH	1.33	.73	10.71	.19	3.71	11.70	.94	0	0	0	0	0	29.31
696	PASADENA - GLEN	.96	.18	8.42	.34	2.14	6.38	.69	.45	0	.01	0	.03	19.60
699	LOS ANGELES - 30TH & TRINITY STREETS	.40	.17	4.77	.11	1.39	3.91	.35	0	0	0	0	0	11.10
700	LOS ANGELES - SLAUSON & LONG BEACH AVENUES	.40	.20	4.67	.16	1.21	4.19	.43	0	0	0	0	0	11.26
703	GLENDALE - MC INTYRE	.78	.21	6.36	.16	1.96	4.06	.71	.03	0	0	0	.02	14.29
705	ALDER CREEK - PARADISE RANCH	1.51	.41	6.41	.16	1.94	6.28	.99	.42	0	.04	0	0	18.16
706	RIVERA - HADLEY RANCH	.35	.22	4.94	.12	1.19	5.14	.54	0	0	0	0	0	12.50
707	PASADENA - MILLARD	.86	.27	8.30	144	2.58	5.12	.71	.30*	T	T	0	.12	18.70**
708	GLENDORA - GORDAN RANCH	1.30	.17	9.93	.25	1.54	5.42	.67	.07	0	0	0	.13	19.48
715	L.A. #2 - U.S.W.B. - POST OFFICE TERMINAL	.51	.22	5.63	.10	1.52	4.11	.46	.06	T	T	0	.03	12.64
716	L.A.W.D. - DUCOMMUN STREET	.52	.18	5.51	.02	1.41	3.95	.29	.04	0	0	0	.38	12.30
718	1000 OAKS	.72	.22	6.49	.28	1.28	3.97	.26	0	0	0	0	0	13.22
719	DUARTE - MADDOCKS RANCH	.89	.18	9.54	.37	1.83	4.68	0	.08	0	0	0	0	17.57
720	SIMI VALLEY - SMITH RANCH	.76	.28	7.07	.37	1.31	4.50	.36	.18	0	0	0	0	14.83
721	EL MIRAGE LAKE	.43	.05	1.02	.05	.41	1.44	.23	.06	0	.18	N.R.	N.R.	INC.
723	STONE CANYON - SAN FERNANDO VALLEY	.76	.32*	7.21*	.25	1.95	4.84	.60	0	0	0	0	0	15.93**
724	BIG DALTON - MONROE CANYON FLUME X	1.40	.38	11.85	.34	2.34	6.67	.77	.26	0	.04	0	.08	24.13
725	BIRMINGHAM HOSPITAL	.64*	.16	5.05	.17	1.19	3.06	.47	0	0	0	0	0*	10.74**
726	ANGELES CREST - GUARD STATION	1.49*	.69	11.33	.24*	3.20*	8.78	.90	.55	0	0	0	.15	27.33**
727	NEWCOMB PASS	1.90*	.60	19.22	.23	2.80	11.03	.66	.26	0	.07	0	.22	36.99**
728	PACOIMA CANYON - CITY ROAD GAGE	2.60*	.95	11.02	.03	2.32	10.26	1.21	.51	0	.11	0	0	29.01**
729	MAGIC MOUNTAIN RIDGE - INDIAN CANYON	3.67*	.50	10.47	.03	2.13	9.37	.75	.09	0	.08	0	0	27.09**
730	MILLARD CANYON - DAWN MINE	1.40*	.40	12.33	.25	2.69	9.92	.95	.61	0	.01	0	.11	28.67**
731	OAK GROVE - HEADQUARTERS - U.S.F.S. FLOOD CONTROL	.73	.37	8.29	.29	2.65	6.23	.64	.20	0	T	0	.05	19.45
732	ROBERTS CANYON - SAN GABRIEL WEST FORK DIVIDE	N.R.	N.R.	18.46	.40	N	0	R	E	C	O	R	D	INC.
733	CLOUDBURST CANYON - ARROYO SECO	2.65*	.68*	15.26	.19*	3.79*	16.36	.87	.06	0	.06	0	.27	40.19**
734	LOS ANGELES MUNICIPAL AIRPORT	.46	.18	4.45	.25	.53	3.29	.65	T	T	T	0	.01	9.82
735	BELL CANYON - PLATT RANCH	N.I.	N.I.	N.I.	INC.	1.07	3.62	.18	0	0	0	0	0	INC.
736	BIG DALTON - VOLFE CANYON	1.16*	.43*	12.47	.46	2.77	7.95	.63	.27	0	.03*	0*	.34*	26.51**
737	UPPER SESPE - CHORO GRANDE RANCH	2.58	.37	9.22	.42	1.72	10.21	.22	T	0	.05	0	T	24.79
738	SATICOY WALNUT ASSOCIATION	N	0		R	E	C	O	R	D				
739	SANTA PAULA - LIMONIERA RANCH	.78	.31	5.18	.24	1.30	3.80	.15	0	0	T	0	0	11.76
740	SAN DIMAS CANYON - FERN CANYON #1	1.50	.50	12.95	.42	2.94	8.87	.76	.26	0	.30*	0	.70	29.20**
741	SAN DIMAS CANYON - UPPER EAST FORK	1.28	.28	8.70	.51	2.50	4.93	.60	1.01	0	.30	0	.69	20.98
742B	SAN GABRIEL - FIRE DEPARTMENT	.50	.31	5.99	.09	1.46	4.98	.57	.01	0	0	0	T	13.91
743	BIG DALTON CANYON - BELL CANYON	1.46	.45	10.89	.45	1.95	5.58	.69	.25*	0*	.03*	0*	.30*	22.05**
746	MOJAVE - BACKUS RANCH	1.04	T	2.86	T	.94	1.32	.17	.05	0	.47	0*	.05	6.90
751	TORRANCE - FIRE DEPARTMENT	N.I.	N.I.	N.I.	.25	.84	3.09	.54	T	0	0	0	.20	INC.
752	MONROVIA - GEARY	1.16	.28	8.57	.31	1.93	4.65	.40	.19	0	.09	0	.10	17.68
1000	HUNT CANYON - BONES RANCH	1.50*	0*	2.02	.14	1.29	3.15	.55	.23	0	0	0	.02	8.90
1001	WEST FORK GUARD STATION	2.88*	.77*	15.89	.19	4.58	15.03	1.04	.05	0	.10	0	.17	40.70**
1002	TUJUNGA - TANGUAY	N.I.	N.I.	5.62	.20	2.27	7.39	.74	.26	0	.04	0	T	INC.
1003	VAN ALDEN DEBRIS BASIN	N.I.	N.I.	N.I.	N.I.	INC.	5.37	.38	.08	0	0	0	0	INC.
1004	MALIBU CREEK - CRATER CAMP	.72	.44	9.55	.25	1.55	4.95	.22	.04*	0	0	0	0	17.72**
1005	MINT CANYON - THE OAKS	N.I.	N.I.	N.I.	N.I.	N.I.	N.I	N.I.	N.I.	0	.14	T	0	INC.
1006	SAN PEDRO - CITY RESERVOIR	T.	.49	3.88	.42	.55	2.69	.46	.04	0	0	0	0	8.53
1007	ANGELES CREST HIGHWAY - CAMP VALCREST	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.19	INC.

LEGEND

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

TABLE IV

SEASONAL 1946-47 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	.53	9.74	3.21	.15	.53	1.32	.17	.38	0*	0*	.20*	.01*	16.24
3	SEMINOLE HOT SPRINGS	.36	12.14	3.34	.45	.72	1.16	.02	0	0	0	.21	0	18.40
5B	CALABASAS	.29	6.84	3.36	.21	.35	1.05	0	.08	0	0	.02	0	12.20
6	TOPANGA CANYON PATROL STATION	.75	10.07	4.89	1.34	.45	1 65	0	.08	0	0	.20	.01	19.44
7C	BEL-AIR BAY CLUB	N O		R E	C O	R D		.03	.10	T	0	.10	0	INC.
9	SEPULVEDA AND CHASE - LARSON	.63	8.12	3.81	.33	.76	1.04	.13	.07	0	0	0	.03	14.92
10	BEL-AIR HOTEL	1.07	8.53	4.34	.63	.95	.86	0	0	0	0	.03	.02	16.43
11C	UPPER FRANKLIN RESERVOIR	1.04	8.86	4.78	.55	.82	1.12	T	.07	T	0	T	.14	17.38
12	FRANKLIN-MULHOLLAND FIRE STATION	1.06	9.01	5.06	.52	.82	1.14*	.04	.02	0	0	.01	.08	17.75
13	NORTH HOLLYWOOD - BLIX	.86	6.58	4.10	.27	.48	.91	.14	.08	0	0	.02	0	13.44
14	ROSCOE - MERRILL	1.51	6.78	4.25	.34	.18	1.51	.25	.07	.03	0	T	.13	15.05
15	VAN NUYS CITY WAREHOUSE	.59	7.74	3.80	.17	.40	1.24	.08	09	.01	0	.02	.02	14.16
17	SEPULVEDA CY. AT MULHOLLAND HWY. FIRE STATION	.84	8.35	4.25	.26	.65	1.78	.01	.09	.01	0	.07	T	16.31
18	ADOHR DAIRY	.36	7.71	3.74	.12	.70	.92	0	.03	0	0	0	0	13 58
20B	GIRARD	.23	7.48	3.68	.26	.29	1.22	.02	13	0	0	.13	.02	13.46
21	BRANT RANCH - GIRARD	.15	6.74	3.21	.11	.21	.93	0	.24	0	0	.15	0	11.74
23-E	CHATSWORTH RESERVOIR	.25	6.21	3.64	.42	.55	1.17	T	.11	0	0	.12	.03	12.50
24D	CHATSWORTH	.39	7.15	3.50	.55	1.58	0	0	.48	0	0	.10	0	13.75
25B	NORTHRIDGE - ANDREWS	.20	6.59	3.75	.30	.21	1.35	.07	11	0	0	.09	.03	12.70
27B	PACOIMA - RADDATZ RANCH	.89	6.48	3.81	.48	.31	1.69	.06	.26	.03	0	0	.05	14.05
28	SAN FERNANDO LEMON ASSOCIATION	.77	7.08	3.65	.48	.17	2.11	.13	.27	T	0	.05	.10	14.81
29B	GRANADA PUMP PLANT	.83	7.12	4.42	.52	.19	1.62	.07	.14	T	0	.02	.13	15.06
30	SYLMAR	1.08	7.58	4.79	.46	.24	1.90	.11	.09	0	0	.04	.21	16.52
32C-E	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	.64	9.26	4.00	.40	.36	1.09	.48	.12	T	0	.07	.04	16.46
33A-E	PACOIMA DAM	2.50	8.27	6.10	.75	.15	1.50	.33	.61	.12	0	.13	.46	20.92
38	HANSEN HEIGHTS - CHAPPEL'S RANCH	1.50	6.32	4.34	.36	.30	1.68	.30	.30	0	0	T	.14	15.24
39B	SUNSET DAM	1.54	8.35	5.08	.42	.38	1.71	.33	.50	.26	0	.07	.24	18.88
42	REDONDO CITY HALL	.76	6.34	2.37	.12	.60	.63	.25	.13	0	0	.02	.02	11.24
43A	PALOS VERDES ESTATES ADM. BLDG.	.65	6.49	2.36	.03	.38	.82	.21	.01	0	0	0	T	10.95
43B	PALOS VERDES GOLF CLUB	.92	7.65	2.49	.04*	.52	1.06*	.25*	.01*	0	0	0	0	12.94
44	POINT VICENTE LIGHTHOUSE	.56	5.15	2.38	.15	.39	.37	0	.09	.06	0	T	T	9.17
46D-E	BIG TUJUNGA DAM NO. 1	3.09	11.14	7.31	.92	.22	1.62	.21	.19	0	0	.09	.27	25.06
47A	CLEAR CREEK	4.94	15.07	9.19	1.30*	.82	2.31	.28	.38	0*	0*	0*	.30*	34.59
47C	CLEAR CREEK	4.30	14.07	8.69	1.29	.47	2.37	.32	.34	0	0	0	.30	32.15
48	OAK WILDE	4.79	12.57	10.38	1.63	.99	2.19	.36	.42	0	0	.02	.68	34.03
49	ALTADENA - CHIESA	2.24	10.81	6.46	.80	.47	1.65	.46	.49	.10	0	.13	.36	23.97
50B	LA CANADA - ARROYO SECO DIVISION HEADQUARTERS	2.12	10.40	6.21	.60	.41	1.42	.19	.33	.06	0	0	.16	21.90
51	FALLING SPRINGS - LA CIENEGA	5.38	13.55	9.18	.80	.87	2.59	.44*	.19	0	0	.11*	.38	33.49
52B	SWITZER'S CAMP	3.96	12.05	7.99	1.33	.31	2.25	.32	.43*	0	0	.02*	.30*	28.96
52C	WATERMAN GUARD STATION	3.99	13.93	8.23	1.37	.48	2.10	.30	.45*	0	0	.02*	.17	31.04
53A	COLBY RANCH - SLEEPY HOLLOW RANCH	2.75	14.48	7.22	.91	.39	1.46	.42	.12	0	0	.15	.03*	27.91
54	LOOMIS RANCH - ALDER CREEK	1.68	10.51	5.25	.48	.36	1.76	1.07	.22	.03	0	.12	.03	21.51
57B-E	CAMP SINGER - (OPID'S)	5.14	19.85	11.51	1.18	.53	2.43	.29	.25	0	0	.16	.48	41.82
60A	CAMP LE ROY - (HOEGEE'S)	4.86	16.30	10.30	1.72	.97	2.54	.40	.65	0	0	.15	.46	38.35
62	BIG SANTA ANITA GUARD STATION	3.98	15.00	9.22	1.31	.94	2.04	.37	.54*	.14*	0	.10*	.56	34.20
63B-E	BIG SANTA ANITA DAM	2.52	10.36	6.77	.97	.39	1.58	.33	.48	.13	0	.03	.61	24.17
66	SIERRA MADRE - PEGLER RANCH	1.74	10.38	6.62	.70	.45	1.22*	.19*	0	.07*	0	.08*	.20*	21.65
67B	MONROVIA CITY HALL	1.62*	8.75**	5.80	.57	.53	1.17	.13	.10	.11	0	.03	.18	18.92
68B	SAWPIT DAM	3.05	10.82	6.77	1.01	.69	1.71	.45	.56	.13	0	.04	.61	25.84
69	SAWPIT CANYON - HOGBACK	3.61	13.08	8.58	.93	.84	1.92	.64	.70	.11	0	.06	.60	31.07
70	ROGER'S CANYON - DALTON	2.00	9.28	6.11	.75	.51	1.67	.35	.27	.03	0	.05	.16	21.18
73	GLENDORA - ENGLEWILD RANCH	2.02	8.59	4.54	.91	.48	1.99	.35	.47	.09	0	.07	.23	19.74
76B	SAN GABRIEL DAM #1 CAMP	3.43	12.21	7.46	1.61	1.78	1.41	.14	.32	T	0	.06	.10	28.52
82	TABLE MOUNTAIN	1.55	5.31	3.55	.31	.23	1.41	.68	.18	T	0	.01	.04	13.27
83	BIG PINES RECREATION PARK	2.89	11.35	6.01	.74	.57	1.95	.94	.20	0	0	.05	.07	24.77
85D	CAMP BALDY GUARD STATION	5.67*	15.93	7.67	1.21	1.02	2.39	1.07	.16	0	0	T	.57	35.69
87	SAN DIMAS GUARD STATION	3.25	10.10	4.75	1.09	.98	1.72	.21	.28	.04	0	T	.15	22.57
89-E	SAN DIMAS DAM	3.16	9.19	4.25	1.10	.67	1.77	.19	.24	.03	0	T	.09	20.69
90	ELDER RANCH - (BRYDON'S RANCH)	2.08	9.67	4.27	1.02	.53	1.58	.25	0	0	0	0	.21	19.61
91	INDIAN HILL - CLAREMONT	.90	8.88	3.19	.77	.48*	1.35	.32	.28	.10	0	.02	.12	16.41
92	CLAREMONT - POMONA COLLEGE	.90	8.24	3.78	.76	.35	1.12	.41	.22	.03	0	.04	.09	15.94
93	CLAREMONT - FIRE STATION	.92	8.52	3.67	.77	.34	1.09	.27	.25	.08	0	.01	.09	16.01
94	CHARTER OAKS - FIELD'S RANCH	.79	8.02	3.74	.49	.47*	2.11*	.08*	.52	.08*	0	.02*	.08	16.40
95	SAN DIMAS - SAN JOSE DIVISION HEADQUARTERS	.90	8.03	3.41	.47	.63	.87	.08	.53	.05	0	.01	.09	15.07
96-E	PUDDINGSTONE DAM	.84	7.48	3.24	.49	.45	1.27	.13	.23	.10	0	.03	.04	14.30
98	AZUSA - HIBSCH	1.26	8.00	3.92	.60	.42	1.54	.21	.14	.05	0	.05	.14	16.33
99	AZUSA - FOOTHILL RANCH	1.11	8.21	4.32	.65	.40	1.71	.10	.15	0	0	0	.15	16.80
101	WEST COVINA - HURST RANCH	.76	7.57	3.84	.46	.56	2.10	.28	.36	.02	0	.03	.06	16.04
102B	WALNUT - SOUTH HILLS PATROL STATION	.65	7.00	2.61	.59	.40	1.19	.17	1.11	.02	0	.07	.07	13.88
104	NORTH WHITTIER - COLE RANCH	1.10	8.03	3.70	.76	.39	1.76	.36	.08	0	0	0	0	16.18
105	EAST WHITTIER - SHARPLESS RANCH	.54	6.60	2.77	.40	.34	1.47	.68	.05	T	0	.12	.12	13.09
106	WHITTIER CITY HALL	.61	5.91	2.86	.42	.32	2.52	.13	.65	.07	0	.15	08	13.72
107B	DOWNEY - FIRE STATION	.58	9.14	3.00	.17	.28	1.69	.11	.14	0	0	0	.13	15.24
108B	EL MONTE - FIRE STATION	.76	7.04	3.51	.50	.49	1.71	.52	.22	0	0	0	.16	14.91
109C	WEST ARCADIA	1.22	8.67	5.30	.36	.51	.99	.13	.24	0	0	0	.06	17.48
110	ALHAMBRA - CITY HALL	1.16	9.70	5.54	.40	1.54	.69	.80	.29	0	0	.10	.10	20.32
111	SOUTH PASADENA - CITY HALL	1.03	9.85	6.58	.39	.88	.62	.43	.29	.03	0	.11	.16	20.37
114	ROSECRAN'S RANCH - GARDENA	.72	N.R.	6.22	N. O		R	E	C	O	R	D		INC.
116B	INGLEWOOD - FIRE STATION	.68	6.30	2.62	.34	.45	1.00	.40	.04	T	0	0	.09	11.92
117B	COMPTON - FIRE STATION	.58	8.30	3.17	.20	.45	1.26	.12	.08	0	0	.02	.04	14.22
118B	WILMINGTON	.55	5.84	2.67	.25	.84	.78	.72	.04	0	0	0	.05	11.74
119D	SAWTELLE - SOLDIER'S HOME	.94	8.23	3.80	.56	.76	.98	.01	.05	T	0	0	T	15.33
120	VINCENT PATROL STATION	.31	4.46	2.44	.12	.03	.60	.02	.03	0	0	.08	0	8.09
121	LANCASTER- UNION HIGH SCHOOL	.04	2.45	2.19	.36	.05	.51	.49	T	0	0	.33	0	6.42
122B	LEONIS VALLEY - RITTER RANCH	.70	5.82	3.28	1.12	.23	.80	.27	.10	0	0	0	0	12.12
124B	BOUQUET CANYON RESERVOIR	1.13	7.50	4.34	1.04	.38	1.12	.34	.23	0	0	.14	.20	16.42
125	SAN FRANCISQUITO CANYON POWER HOUSE #1	1.49	8.79	4.38	.77	.62	1.55	.37	.28	0	0	0	.34	18.59
126	VENICE - CITY YARDS	.75	7.22	3.03	.28	.57	.69	.04	.04	0	0	0	.10	12.72
127	DRY CANYON RESERVOIR	.71	6.17	3.72	.36	.17	.62	.83	.14	0	0	.02	.14	12.88
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	1.36	8.79	5.30	.78	.85*	2.02**	1.56	.21	T	0	T	.04	20.91
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	.40	6.61	5.09	.32	.50	.75	.64	.05	0	0	T	T	14.36
134	SAN DIMAS - STEVENS	1.27	8.35	4.08	.58	.35	1.33	.10*	.29	.07	0	0	.11	16.53
135	NORWALK	.68	5.22	2.14	.22	.26	1.20	0	.22	0	0	0	05	9.99
136B	HOLLYWOOD - CITY ENGINEER	.82	7.43	4.33	.50	.76	1.21	.05	.06	0	0	0	.09	15.25
139	LOS ANGELES WATER DEPARTMENT	.49	6.87	3.50	.30	.77	.74	.03	.07	.02	0	.01	.08	12.88
140	SAWTELLE - WEST L. A. CITY HALL	1.03	7.66	4.04	.55	.79	.83	.05	.03	0	0	T	.02	15.00
143	AZUSA - CITY PARK	1.25	7.90	4.21	.63	.40*	1.47	.17	.13*	0	0	.04	.15	16.35
144	SIERRA MADRE DAM	2.16	11.53	6.67	.92	.46	1.99	.32	.39	.41	0	.03	.39	25.27
150	MONROVIA FALLS	3.55	12.02	7.06	1.24	.70	1.93	.40	.80	.12	0	0	.70	28.52
155B	LITTLE ROCK CREEK	.38	4.42	2.42	.29	.05*	1.40	.02	.14	0	0	0	.0	9.12
156	LA MIRADA - STANDARD OIL CO.	.59	5.09	2.05	.24	.14	.83	T	.36	T	0	.25	.06	9.61
157	EL SEGUNDO - STANDARD OIL CO.	.71	5.93	2.69	.14	.44	.93	.25	.06	0	0	0	.03	11.18

TABLE IV

SEASONAL 1946-47 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
158	TANBARK FLATS	3.54	12.17	5.88	1.48	1.56	1.97	.31	.39	.06	0	.05	.27	27.68
164	MONROVIA - O'CONNOR	2.13	8.80	5.68	.74	.60	1.34	.25	.25*	.19*	0*	.08*	.26*	20.32
167	ARCADIA PUMPING PLANT #1	1.81	9.49	5.63	.65	.45	1.16	.26	.26	.08	0	.12	.20	20.31
169	SIERRA MADRE PUMPING PLANT	1.86	9.88	6.09	.68	.48	1.09	.23	.15	.09	0	.04	.21	20.82
170B	POTRERO HEIGHTS	.78	7.67	3.76	.63	.73	1.12	.15	.49	.01	0	.10	.11	15.55
171	CHAPMAN WELLS	1.69	10.12	6.51	.57	.58	.78	.20	.33	0	0	.20	.18	21.16
174	GLENDORA - WARREN	1.61	7.92	5.83	.69	.45	1.51	.21	.35	.15	0	.05	.15	16.92
175B	ALTA CANYADA LA CANADA IRR. DISTRICT	2.93	11.46	7.86	1.33	.36	2.10	.23	.51	.26	0	0	.63	27.67
176	RUBIO CANYON WATER COMPANY	2.06	10.77	6.37	.91	.58	1.22	.36	.47	.12	0	.11	.17	23.14
177C	LA CANADA - BRADFORD	1.99	10.82	6.96	.68	.44	1.43	.25	.44	.08	0	.04	.13	23.26
178	AZUSA - GRIFFITH	.70	7.39	3.71	.42	.46	1.46	.11	.15	.08	0	.02	.05	14.55
179B	SIERRA MADRE - CARTER	2.09	11.84	6.72	.90	.50	1.53	.30	.46	.24	0	.09	.45	25.12
181B	BASSETT - CLIFFORD	.63	7.53	3.06	.51	.50*	1.42	.70	1.12	.02	0	.04	.04	15.59
182	BALDWIN PARK - LEACH	.90	7.01	3.76	.45	.40	1.27	.17*	.15*	.05*	0*	.02*	.08*	14.26
185	GLENDORA - WEST	1.36	8.26	4.47	.81	.59	2.06	.16	.28	.10	0	.06	.13	16.28
186C	SAN DIMAS - MORRISON	1.04	7.96	3.74	.49	.55	1.41	.11	.38	.07	0*	.01*	.12	15.90
192B	BELL FIRE STATION	.75	7.96	2.90	.39	.66	1.32	.08	.27	0	0	.29	.11	14.75
193	COVINA #2 - TEMPLE	.64	7.39	3.24	.44	.62	1.73	.03	.34	04	0	.02	.11	14.60
196	LA VERNE - LEADER	.91	8.29	3.54	.65	.44*	1.40*	.15*	.35*	.08*	0*	.02*	.09*	15.92
198B	BRAND DEBRIS BASIN	1.27**	7.62**	4.83**	.35	.41	.69	.26	.24	.14	0	.02	.14	16.19
199B	HUNTINGTON PARK - CITY YARD	90	7.35	3.45	.61	.45	.98	.12	.15	0	0	.02	.09	14.13
200	SAUCUS - SO. CALIF. EDISON CO. SUB STATION	.46	7.74	3.47	.15	.06	.68	.34	03	0	0	.02	T	12.97
201	PUENTE HILLS - ALTA MIRA RANCH	1.11	7.68	3.53	.66	.25	1.97	0	.43	0	0	0	.08	15.71
205	PUENTE - SO. CALIF. EDISON CO. SUB STATION	.74	7.78	3.17	.53	.47	2.17	.42	71	T	0	.04	.11	16.14
206	VALENCIA HEIGHTS	.72**	6.58	2.92	.61	.60	1.78	.28*	.36*	.02*	0	.03*	.06*	14.06
208	ARTESIA - FARR LUMBER COMPANY	.52	4.71	2.25	.16	.48	1.12	.08	.19*	0	0	.01*	.04*	9.56
209B	BIG TUJUNGA - EDISON ROAD	2.88	11.23	7.04	.83	.30	1.47	.22	.24*	.03*	0*	.08*	.18*	24.50
210B	BRAND PARK	1.60	8.21	5.17	.34	.42	1.24	.33	.28	.17*	0	.03	.19	17.98
213	LOS ANGELES - HANCOCK PARK	.57	7.09	4.17	.60	.77	1.05	.07	.09	0	0	0	.10	14.51
215B	BELLFLOWER - FIRE STATION	.53	6.56	2.11	.21	.35	1.31	.03	.11	0	0	0	.03	11.24
216	GLENDALE - JONES	1.28	9.22	5.51	.40	.30	1.01	.26	.21	0	0	0	.17	18.36
217	WATTS - JORDAN HIGH SCHOOL	.48	5.68	2.93	.11	.26	1.41	.06	.32	0*	0*	0*	0*	11.25
219	PACOIMA - WAREHOUSE CO. FORESTRY	1.35	7.21	3.80	.44	.15	1.84	0	.20	0	0	0	.05	15.04
221B	PACOIMA WASH - DUCKWORTH RANCH	2.48	7.47	5.95**	.70	.16*	1.48*	.26*	.50*	06*	0	.07	.27	19.40
222	LANKERSHIM GENERATING PLANT	.71	5.14	3.20	.18	.25	.89	.15	.21	.01	0	.01	0	10.75
223B-E	BIG DALTON DAM	4.04	10.42	5.06	1.27	.78	2.27	.65	.60	.20	0	.07	.37	25.73
225	MONTANA RANCH	.52	5.13	1.97	.14	.60	1.09	.03	.13	0	0	.02	.03	9.66
226	BURBANK - FIRE STATION	.90	7.60	4.86	.24	.35	.96	.22	.23	.11	0	0	.06	15.53
227B	SAN GABRIEL - GLEASON	1.17	9.01	5.31	.50	.98	.65	.21	.27	.11	0	.10	.12	18.44
228B	BEVERLY HILLS - CITY HALL	.79	6.19	4.48	.50	1.02	.96	T	.06	0	0	T	.10	16.10
230C	LIVE OAK CANYON - ELDER	1.03	7.91	3.31	.72	.59	1.23	.23	.22	0	0	0	.10*	15.44
234	COVINA - THORPE	1.17	6.95**	3.20	.54	.60	1.27	.07*	.23*	.04*	0*	.06*	.08*	14.09
235A	HENNIFER FLATS	3.39	13.16	7.26	1.00	.58	2.11	.46	1.09	.28	0	.09	.67	30.29
236	SAN FERNANDO - HUFFMAN RANCH	2.51	8.04	5.62	.63	.16	1.55*	.26	.53	.06	0	0	.31	19.67
237	STONE CANYON DAM	.84	9.71	4.70	.61	.31	1.09	.02	.03	.04	0	0	.04	16.99
238	HOLLYWOOD DAM	1.25	7.77	5.34	.44	.81	1.17	.23	.06	.04	0	.01	.13	17.25
240B	LITTLE TUJUNGA CANYON - ODDOUS RANCH	2.43	8.99	4.57	.92	.32	1.31	.23	.38	07*	0*	.05*	.50	19.77
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	.34	7.73	2.18	.20	.47	.60	.04	.06	T	0	.02	.02	11.86
246B	CULVER CITY - BUS YARD	.68	6.09	3.33	.31	.45	.76	0	.05	0	0	T	.12	11.79
250C	ACTON - OLIVE VIEW CAMP	.58**	4.52	2.85	.22	T	.40	.30	T	0	0	.01	0	8.83
251	LA CRESCENTA	2.62	10.57	6.55	1.18	.30	1.93	.25	.44	.12	0	.03	.22	24.19
254	PUENTE - ROWLAND RANCH	.74*	6.53	3.75	.58	.48*	3.11	.52	.70	0	0	.04*	.11*	16.99
255A	MT. SAN ANTONIO COLLEGE - SPADRA	.69	7.03	2.98	.51	.42	1.63	.09	.14	.03	0	.08	.08	13.68
256B	POMONA - FIRE STATION	.65	7.46	2.66	.32	.32	.95	.02	.20	.02	0	.07	.06	12.73
257	GRIFFITH PARK NURSERY	1.08**	8.98 **	4.58	.42	.62	1.34	.10	.15*	0	0	0	.18	17.45
258A	GRIFFITH PARK - TUNNEL	.94	8.55	5.05	.46	.86	1.16	.23	.15	0	0	T	.20	17.60
258B	GRIFFITH PARK - SOUTH SLOPE, MOUNT HOLLYWOOD	1.01	8.19	5.00	.46	.86	1.15	.28	.15	0	0	T	.20	17.30
258C	GRIFFITH PARK - NORTH SLOPE, MOUNT HOLLYWOOD	1.08	9.03	5.44	.48	.86	1.23	.30	.15	0	0	T	.22	18.79
259C	CHATSWORTH PATROL STATION - TWIN LAKES	.49	7.08	4.73	.40	.67	1.42	.26	.27	0	0	.06	.11	15.49
261-E	ACTON - MELLEN	.84	4.69	2.97	.09	.10	.61	.05	.07	0	0	T	.05	9.47
263A	POMONA - FRATER	.79	7.35	3.00	.33	.42	1.00	T	.18	.01	0	.23	.03	13.34
265C-E	PUENTE HILLS - WEISEL RANCH	1.13	6.87	2.32	.53	.34	1.08	0	.42	0	0	.09	.07	12.85
266	LEFFINGWELL RANCH - EAST WHITTIER	.71	6.64	2.67	.36	.54	.82	0	.02	0	0	0	0	11.76
269A	DIAMOND BAR RANCH NO. 1	N O R E C O R D				.45*	1.04	.23	.20	0	0	0	.18	INC.
269B	DIAMOND BAR RANCH - HORSE CAMP	.62	8.21	2.79	.71	.45	.70	.17	.33	0	0	0	.18	14.16
270	COUNTY FARM - RANCHO LOS AMIGOS	.63	9.16	2.82	.17	.29	1.65	.09	.14	0	0	.12	.09	15.16
271	DOMINGUEZ HILLS	.82	6.19	2.60	.20*	.60	1.45	.23	.10	0	0	0	.07	12.26
272	L. A. - HEADWORKS PUMPING PLANT	.84	8.76	5.54	.34	.61	1.12	T	.12	0	0	0	.02	17.35
274	ACTON - HUBBARD	.69	4.51	2.64	.12	.04	.52	.06	.15	0	0	0	.05	8.78
275	SAN MARINO - HUNTINGTON LIBRARY	1.60	10.22	7.23	.43	1.05	.83	.24	.32	.06	0	.12	.12	22.22
277	SAWMILL MOUNTAIN RANCH	.95	8.50	5.66	.35	.55	1.08	.80	T	0	0	T	T	17.89
278B	L. A. - CLARK MEMORIAL LIBRARY	.65	6.45	3.19	.45	.73	.93	0	0	0	0	0	.10	12.50
279A	PASADENA GLEN - KINNELOA RANCH	3.01	11.70	6.87	.84	.50	1.77	.36	.73	.31	0	.15	.47	26.71
280B	FLINTRIDGE FIRE STATION	1.96	10.70	7.26	.51	.58	1.03	.34	.40	.07	0	.02	.17	23.04
283A	CRYSTAL LAKE - EAST PINE FLATS	6.60	15.20	11.52	.78	.76	2.87	.52	.26	.02	0	.15	.50	39.18
284	PLACERITA CANYON	1.40	10.15	7.28	.42	.42	1.17	.58	.18	.02	0	.20	.26	22.08
285C	MOUNT ST. MARY'S COLLEGE	1.34	8.31	4.49	.68	.90	1.21	0	.04	0	0	0	.08	17.05
287	GLENDORA - CONSOLIDATED MUTUAL IRR. CO.	1.25	8.01	4.17	.75	.43	1.88	.15	16	.10	0	.04	.12	17.06
289	LAGUNA - BELL - S.C.E.C. SUB STATION	.57	9.10	3.41	.36	.30	1.39	0	.67	T	0	.04	.12	15.96
290	NEWMARK - S.C.E.C. SUB STATION	.76	8.53	3.87	.57	.61	.74	0	.33	0	0	.04	.14	15.61
291	LOS ANGELES - 96TH & CENTRAL	.57	6.64	3.05	.10	.21	1.07	.10*	.32*	0	0*	0*	0*	12.06
292-E	ENCINO RESERVOIR	.44	6.56	3.67	.08	.58	.93	.03	.04	T	0	.07	01	12.41
293	LOWER SAN FERNANDO RESERVOIR	.65	7.34	5.41	.54	.18	1.96	.08	.13	.01	0	0	.14	16.64
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	2.00	11.37	6.29	.84	.51	1.21	.27	.22	.32	0	.03	.38	23.40
295F	GLENDALE - KENNEDY	.82	9.11	4.96	.41	.40	1.29	.24	.10	0	0	.01	.20	17.54
298B	GORMAN (NEAR)	0	5.26	4.88	.35	.36	.65	.38*	.0*	0*	0*	0*	0*	11.88
299C	LITTLE ROCK	.24	3.24	1.61	.08	.03	.86	.06	.02	0	0	T	0	6.14
300A	GARRAPATA CANYON - FAILOR CANYON	.75	9.70	5.08	.40	.62	1.71	.01	.09	.04	0	.18	.02	18.60
303C D	PASADENA - CAL-TECH	1.48	9.96	6.73	.50	.84	.92	.22	.40	.06*	0*	.12*	.12*	21.35
304	SAWPIT CANYON - DEER PARK	4.38	16.62	9.90	1.32	.75	2.13	.70	.77	.08	0	.05	.62	37.32
305	ARROYO SEQUIS - MASON ESTATE	.54	9.73	3.78	.22	.53	1.22	.02	.43	.03	0	.02	.03	16.55
308	KELLY'S CAMP	6.97	19.45**	9.66	1.77*	1.50*	3.50*	1.57*	.23*	0*	0*	0*	.70	45.37
309	PADUA HILLS	2.10	11.23	3.55	1.02	1.45	1.40	.49	.45	.08	0	.08	.13	21.98
311B	PASADENA - METEOROLOGICAL STATION	1.58	9.72	6.73	.53	.62	.92	.25	.30	.06	0	.07	.12	20.90
312	AZUSA PLANT - GLENDORA CONSOL. MUT. IRR. CO.	1.76	8.47	4.93	.63	.52	1.82	.28	.24	.01	0	.05	.13	18.84
321-E	PINE CANYON PATROL STATION	1.41	7.60	5.03	.55	.74	1.67	.62	.23	0	0	.04	.10	17.99
322	MUNZ VALLEY RANCH	.33	4.57	3.68	.40	.25	.70	.10	0	0	0	0	0	10.03
334-E	SAN GABRIEL DAM NO 2	3.74	17.76	10.84	.78	.74	1.18	.34	.04	T	0	.08	.04	35.54
336	SILVER LAKE RESERVOIR	.75	7.30	4.09	.40	.52	.73	.12	.05	T	0	0	.05	14.02
338A	MOUNT WILSON - OBSERVATORY	4.74	19.90	11.93	1.09	.57	1.81	.19	.31	T	0	.13	.32	40.99
338B	MOUNT WILSON - AIRWAYS STATION	5.42	20.35	12.17	1.30	.69	1.93	.33	.46	.01	0	.19	.38	43.23
339	WALNUT FRUIT GROWERS ASSOCIATION	.70	7.18	2.63	.52	.40	1.23	.11	.84	0	0	.09	.01	13.71
341	ALISO CANYON - BLUM RANCH	.48	4.66	2.59	.10	.06	.64	0	0	0	0	0	0	8.53
342	UPLAND	1.44	9.42	3.95	.86	.72	1.45	.47	.28	.09	0	.02	.07	18.77

TABLE IV

SEASONAL 1946-47 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
343B	RIVERA - TELEGRAPH ROAD	.57**	7.90	2.81	.25	.32	2.12	.13	.75	.01	0	.08	.30	15.24
347-E	BALDWIN PARK EXPERIMENTAL STATION	.91	7.21	4.12	.44	.40	1.42	.23	.15	.05	0	.02	.08	15 03
348C	SAN GABRIEL EAST FORK - HONOR CAMP NO. 4	3.56	10.52	5.84	1.33	1.13	1.82	28	.27*	T*	0*	.05*	.13*	24.90
349B	CAMP RINCON	3.67	12.41	6.55	1.38	1.45	1.33	.05	23	0	0	T	05	27.12
351D	PALMDALE	.41	3.37	2.25	.43	.02	.59	.20	.17	0	0	.21	0	7.65
352	LECHUZA PATROL STATION	.52	10.83	4.00	.20	.50	1.41	.02	.43	.03	0	.02	.03	17.99
353	DUARTE-MONROVIA CITRUS FRUIT ASSOCIATION	1.30	7.98	5.58	.90*	.38	1.36	.16	.13	.03	0	.02	.14	17.58
354D	CAMP BALDY - BOY'S CAMP	5.92	14.69	7.07	1.30	.75	1.89	23	.22	T	0	0	.12	32.19
355	LOS ANGELES JUNIOR COLLEGE	.69	7 46	4.06	.51	.60	1.06	.05	.07	0	0	0	.08	14.58
356B	SPADRA - PACIFIC COLONY	.51	7.24	2.46	.40	.49	1.28	.05	.24	.02	0	.06*	06*	12.81
357	SAN FERNANDO POWER HOUSE NO. 3	.92	8.01	5.60	.66	.23	1.84	.17	.08	T	0	0	.22	17 73
362	EL MIRADOR RANCH	1.54	10.83	6.59	.56	.91	.89	.28	.27	.03	0	T	.13	22.03
364	HAINES CANYON - LOWER	2.81	12.87	6.44	.86	.31	2.26	.24	.80	0	0	0	.51	27.10
366	VALYERMO	.25	5.89	2.91	.17	.06	1.33	.15	T	T	0*	.08	0*	10.84
367	HAINES CANYON - UPPER	3.96	14.29	8.04	.97	.29	2.79	.32	.92	0	0	0	.56	32.14
372	SAN FRANCISQUITO POWER HOUSE #2	1.06	8.30	4.13	.90	.73	.94	1.63	.12	T	0	T	10	17.91
373	BRIGGS TERRACE - PICKEN'S CANYON	3.21	12.42	8.17	1.32	.50	2.33	.41	.77	.15	0	.09	.76	30.13
375B	GRIFFITH PARK ZOO	1.10	8.87	4.76	.35*	.63*	1.16*	T*	.10	0	0	0	.07	17.05
377D	LAKE SHERWOOD ESTATES	.22	7.58	2.51	.24	.51	1.32	07	.26	.02	0	20	.10	13.03
379B	SAN GABRIEL - EAST FORK	3.54	11.11	7.21	1.39	1.32	1.44	.33	.27	T	0	.05	.13	26.75
380	EL SERENO	1.22	8.92	4.51	.35	.58	.75	.15	0	0	0	0	.12	16.64
381B	SANTA MONICA - OUTLOOK	.92	6.81	3.11	.20	.72	.74	.08	.05	.01	0	.03	.04	12.71
384B	HIGHLAND PARK-SAN RAFAEL HILLS	1.08**	10.25	6.21	.37	.74	.85	35	22	.05	0	.03	.16	20.36
386B	ZUMA CANYON - OAKLEY	.65	12.32	4.10	.44	.69	1.44	0	.22	0	0	.20	05	20.11
387B	COVINA - CITY SEWAGE DISPOSAL PLANT	.64	7.46	3.16	.42	.55	1.76	.20	.27	.08	0	.01	.07	14.65
388B	CLEARWATER - COUNTY FIRE STATION	.53**	7.95	2 19	.22	.38	1.56	15	.07	0	0	0	.06	13.10
389	GLENDORA - BROWN	1.71	8.14	4.19	.35	.45	1.79	.33	.32	.11	0	.07	.25	18.21
390B-E	MORRIS DAM	2.15	10.48	7.32	1.05	1.33	1.86	.38	.38	.02	0	.04	.18	26.19
391B	MONTEBELLO - FIRE DEPARTMENT	.71	7.24	3.47	.69	.00	1.11	0	.36	.03	0	.12	.10	14.43
392B	ALTADENA - BARTON	2.66	10.91	5.37	.87	.54	1.39	.53	.51	.28	0	.14	52	24.31
394	HIGHLAND PARK - LINDSAY	1.01	10.08	6.26	.32	1.08	.82	.32	.21	.01	0	0	10	20.21
395	OLIVE VIEW SANITARIUM	2.35	8.31	5.91	.68	.26	1.84	.35	.49	0	0	0	.31	20.51
400	PASADENA - WASHINGTON AND PALM TERRACE	2.00	10.50	7.01	.64	.51	1.08	.40	.39	.13	0	.13	.19	23.08
402C	CEDAR SPRINGS - STATE PRISON CAMP	3.12	23.11	12.60	1.20	.70	2.66	.55	T	T	0	T	.07	43.99
404	GLENDALE - OPID	.92	8.85	5.21	.38	.35	.84	.19	.19	.07	0	0	.17*	17.17
405	SOLEDAD CANYON - ECKLES	.89	5.84	3.78	.31	.10	.46	.33*	.07*	0	0	.04	.08	11.90
406C	WEST AZUSA - AZUSA IRR. CO. PLANT #6	1.18	7.73	4.07	.51	.46	.99	.05	.13	.01	0	.10	08	15.31
407	NEWHALL - U.S.F.S. HEADQUARTERS	1.03	9.51	5.53	.66	.56	1.32	.31	0	0	0	0	.17	19.09
408	SOLEDAD CANYON - MITCHELL	N O R E C O R D			.15	.15	.20	.10	.04	0	0	0	N.R.	INC.
409	RIDGE ROUTE STATE HWY. MAINT. STA.	.84**	7.20	5.68	1.38	.94**	1.12**	.81**	.10*	0	0	T	0	18.61
410A	RIDGE ROUTE - PARADISE RANCH	.89**	9.50	5.07	.25	.81**	1.67**	1.30*	.15*	0	0	0	T	19.64
411B	RIVERA - PICO - ROBINSON	.74	6.15	3.23	.50	.46	1.75	.19	1.10	0	0	.15	.08	14.37
415	SIGNAL HILL - CITY HALL	.38	8.33	1.93	.25	.55	1.09	.15	.05	0	0	.06	.08	12.87
416	ALTADENA - VENTURA STREET	2.14	11.05	7.05	.69	.54	1.55	.34	.41	.13	0	.11	.31	24.32
417	SIERRA MADRE LAMANDA PARK - CITRUS ASSOCIATION	2.07	11.78	7.32	.60	.71	1.14	.33	.35	.04	0	.19	.15	24.68
419	SANTA CLARA RIDGE - MT. GLEASON	2.79	14.52	7.85	1.21	.44	2.30	.15	.19	0	0	0	.12	29.67
420A	ACTON - COLOMBO RANCH	.35	6.65	3.15	.15	.12	.66	.55	0	0	0	0	0	11.66
421B	LOPEZ CANYON BELOW MOUTH	1.46**	6.94	4.27	.60	.29	1.95	.16	.26	.05	0	.05	.16	16.19
422B	PACOIMA CANYON - WALSH RANCH	2.81	10.87	6.87	1.40	.41	2.20	.58	.60	0	0	.15	.58	26.57
423	ALISO CANYON - WAGON WHEEL RANCH	1.06	10.42	4.55	.75	.43	2.02	.19	.07	0	0	.05	T	19.64
425B-E	SAN GABRIEL DAM #1	3.51	12.23	7.64	1.45	2.10	1.75	.22	.26	T	0	.03	.12	29.31
427	DOWNEY - JORDAN	.62	9.41	3.04	.21	.45	1.32	.10	.22	0	0	.02	.11	15.50
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	.48**	7.27	3.46	.17	.10	1.09	.45	0	0	0	0	T	13.02
431	BALDWIN HILLS - NORTH SIDE	.74	6.57	3.50	.36	.69	1.51	.06	.12	0*	0*	0*	.12*	13.67
432	SANTA ANITA FERN LODGE	3.84	14.87	8.99	1.34	.91	1.88	.17	.36	T	0	.05	.19	32.60
433	ALTADENA - FARNSWORTH PARK	2.73	11.08	6.84	.90	.44	2.09	.51	.68	.16	0	.16	.56	26.15
434	MALIBU DIVISION HEADQUARTERS	.15	9.80	3.41	.47	.39	.92	0	.18	0	0	.09	.02	15.43
435	MONTE NIDO CANYON PATROL STATION	.52	10.42	3.40	1.02	.61	1.71	0	.09	0	0	.09	.01	17.87
436A	HANSEN DAM - CONTROL HOUSE	1.29	4.93	3.21	.10	.44	1.46	.11	.19	0	0	.01*	.01*	11.75
436B	HANSEN DAM - OFFICE	1.69**	6.42	3.23	.37	.19	1.67	0	.19	0	0	.01	.01	13.78
437	HAMILTON BOWL - LONG BEACH	.33	7.66	1.93	.20	.60	1.06	.14	.06	01	0	.05	.07	12.11
440B	CHILAO - U.S.F.S. CAMP	2.65	12.69	6.93	.50	.43	1.85	.73	.12	0	0	08	.13	26.11
441-E	PALMDALE - CO. ROAD MAINTENANCE YARD	.43	3.77	2.65	.31	.04	.63	.21	.10*	0	0	.18	0	8.32
442	MESCAL CREEK - FT. TEJON ROAD	.14	3.40	2.06	.11	.06	1.52	.36	.20	0	0	T	0	7.85
443	LATIGO CANYON ROAD AT MULHOLLAND ROAD	.52	11.90	3.88	.37	.73	1.52	0	.16	0	0	.21	.05	19.34
444	ROLLING HILLS - PALOS VERDES HILLS	.82	9.11	2.90	.11	.54	.41	.13	.02	0	0	0	T	14.04
445B	LIVE OAK DAM	1.61	8.96	3.56	.83	.62	1.71	.47	.45	.09	0	0	.13	18.43
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	1.15	8.44	5.25	.65	.68	2.66	.17	.57	0	0	0	.33	19.90
447	LAS FLORES PATROL STATION	.52	5.78	3.27	.18	.40	.98	T	.11	0	0	.06	.01	11.31
449	EATON DAM	2.03	11.22	6.53	.68	.50	1 07	.31	.44	10	0	0	.23	23.11
451B	CASTAIC PATROL STATION	.65	7.76	3.76	.57	.10	.75	1.06	.06	0	0	0	0	14.71
452	STUDIO CITY - THAYER	.91*	8.01	4.47	.40	.61	1.09	.09**	.08*	0*	0*	.02*	0*	15.68
453	DEVIL'S GATE DAM	1.81	10.25	6.06	.56	.49	1.13	.19	.30	.05	0	.12	.11	21.07
454	LOS ANGELES - WOOD	.39	6.65	3.33	.49	.75	1.15	.05	.11	0	0	0	.16	13.08
455	LANCASTER - STATE HIGHWAY MAINTENANCE DEPT.	.03	3.48	2.35	.19	.20	.63	.52	.01	0	0	.38	0	7.79
456	ANTELOPE VALLEY MUSEUM - PIUTTE BUTTE	.20	1.24	1.06	.28	T	.75	.29	.10	0	0	T	0	3.92
457B	LOS ANGELES - ZALVIDEA STREET	.81	7.09	3.72	.41	.48	.94	.03	.08	.03	0	.02	.12	13.73
458	ZUMA CANYON PATROL STATION	.50	9.04	1.91	.08	.53	.86	.12	.36	T	0	.18	.01	13.59
460	PLEASANT VIEW MESA - MATAY	.30	5.85**	3.11**	.18*	18*	1.50**	.14*	0	0	0	0	0	11.26
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.77*	5.76	3.12	.27	.46	.53	.06*	.12*	0	0	0	.12	11.21
462	HILLCREST COUNTRY CLUB	.75	6.23	4.30	.62	.89	.97	T	.05	0	0	0	.07	13.88
463	MAR VISTA - SO. CALIF. WATER CO.	.91	7.79	3.38	.59	.65	1.19	.02	.05	T	0	.01	.08	14.67
464	TUJUNGA CANYON - HONOR CAMP #5	3.13	10.32	7.72	1.60	.44	1.75	.22	.24	.03	0	.08	.18	25.71
465A	SEPULVEDA DAM - OFFICE	.42	5.28	3.27	.06	.38	.72	T	.02	0	0	0	0	10.15
465B	SEPULVEDA DAM	.47**	7.23	3.54	.13	.45	.98	0	.02	0	0	0	0	12.82
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	3.44	9.96	7.29	1.22	.44	2.44	.43	.60	.06	0	.08	.58	26.54
468-E	PICKENS DEBRIS BASIN	2.26	10.12	6.82	.95	.34	1.81	.30	.53	.09	0	T	.20	23.42
470	TUJUNGA - MILL CREEK	1.12	8.58	3.98	.41	.21	1.86	.14	.14	03	0	.04	.03	16.54
471	LITTLE TUJUNGA - GOLD CREEK	2.53	10.22	5.10	1.10	.42	1.60	T	.27*	0	0	13	.23	21.60
473	AQUA DULCE CANYON - BLACKWELL RANCH	.93	5.37	4.10	.10	.14	.49	.38	08	0	0	.04	.09	11.72
474	SOUTH GATE - POLICE DEPARTMENT	.71	8.54	2.52	.25	.43	1.29	.06	21	0	0	.05	.09*	14.15
475	SAUGUS - NEWHALL LAND & FARMING COMPANY	.46	7.46	3.72	.21	.17	.81	.16	.14	0	0	.06	0	13.19
476B	TRIUNFO CANYON	.15	9.88	4.06	.40	.52	.93	.08	0	0	0	0	0	16.02
477	SANTA ANITA - SPRING CAMP	4.53	17.63	11.59	.82	1.55	1.62	.30	.36	0	0	13	.29	38.82
478	VALYERMO - U.S.F.S. HEADQUARTERS	.25	5.80	2.88	.11	03	1.26	.22	0	0	0	.08	0	10 63
479	ARCADIA - GONTER	.92	8.03	4.95	.39	.50	1.20	.13*	.22*	0*	0*	0*	.06*	10.44
482	LOS ANGELES - U.S.C.	.90**	7.03	3.26	.32	.98	.63**	.08	.20	0	0	0	.08	13.48
484	ICE HOUSE CANYON RESORT	5.10	N	O		R	E	C	O	R	D			INC.
485	COVINA - BURCH	.80	8.30	3.44	.38	.50	1.66	.14	.22*	.08*	0*	.01*	.07*	15.60
486	COLDWATER CANYON - WIDMAN RANCH	3.89	12.22	5.73	1 08	1.08	2.70	.73	.42	.07	0	.08	.40	28.40
487	MALIBU BEACH AT WINTER CANYON	.18	6.84	2.39	.09	.52	1.23	T	.16	0	0	.08	0	11.49
488	KAGLE CANYON PATROL STATION	2.18**	6.71	4.40	.59	.27*	1.55	T	.27	0	0	T	.10	16.07
489	COLD CREEK - STUNT'S RANCH	.54**	8.72	4.31	1.00	.59	1.78	0	.13	0	0	0	0	17.07
490	LANCASTER - WILEY RANCH	.14	1.69	1.40	.27	.05	.46	.39	.04	0	0	0	0	4.44
491	PACIFIC PALISADES	.75	7.32	3.03	.36	.70	.90	0	.10*	0	0	10*	0	13.26
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	2.25	12.49	7.77	.43	.47	1.46	.95	.07	0	0	.12	.14	26.15
493	SAND CANYON - MAC MILLAN RANCH	1.70	9.22	5.94	.20	.15	.63	.52	.10*	0*	0	.20*	.22	18.88
494	PICO - CATE	.74	6.67	3.22	.60	.51	1.46	.12	.71	0	0	.10	.06	14.19

TABLE IV

SEASONAL 1946-47 MONTHLY RAINFALL SUMMARY

RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
495	L. A. - EIGHTH AND FIGUEROA	.93	7.25	3.92	.48	.74	.84	.04	.19	.01	0	.02	.05	14.47
496	TRANCAS CANYON - KINCAID	.57**	9.09**	2.11	.10*	.42	.73	.13*	.38*	0*	0*	.20*	.01*	13.74
497	CLAREMONT - SLAUGHTER	1.22	8.36	3.35	.65	.51	1.31	.34	.45	.07	0	0	.06	16.32
498	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL	4.06	12.82	8.41	1.62	.53	2.60	.60	.72	T	0	0	.58	31.96
X-6	ENCINO #2	.85*	9.54	4.34	.26	.74	1.66	.04	.06	T	0	.08	T	17.57
508B	ARROYO SECO - RANGER STATION	2.62	10.83	6.94	.87	.35	1.77	29	.45	.13	0	T	.47	24.72
517	ANDERSON RANCH (BURKHART RANCH)	.76	7.37	5.34	20	.20	1.17	17	02	0	0	0	0	15.23
529	CHINO - AMERICAN BEET SUGAR CO.	.51	7.18	2.76	.46	.41	.80	.03	.02	T	0	T	.03	12.20
530	CONEJO RANCH	.42	6.25	2.30	.12	.25	1.00	.04	0	0	0	.17	0	10.55
542	FAIRMONT	.47	6.41	4.55	.25	.49	1.15	.51	.03	0	0	.04	.02	13.92
551	HUENEME LIGHTHOUSE	.45	5.60	2.25	0	.35	.98	0	0	0	0	0	0	9.63
557	LA HABRA - CITRUS ASSOCIATION	.60	6.90	2.14	.63	.31	.91	T	.61	0	0	.21	.04	12.15
565	LONG BEACH - CITY AUTOMATIC	.27	7.98	1.72	.17	.65	.54	.13	.04	0	0	0	0	11.50
566	LONG BEACH #1	.66	5.74	2.00	.21	.50	1.33	.08	.13	T	0	T	.04	10.69
571B	LONG BEACH #6	.46	4.64	1.75	.14	.34	.89	.05	.19	0	0	.02	.03	8.52
575B	LONG BEACH WEATHER BUREAU	.36	7.30	2.31	.20	.74	.60	.08	.10	.01	0	.04	.08	11.82
577E	L. A. - U.S.W.B. - 6TH & MAIN	.82	6.52	3.67	.45	.69	.68	04	.15	T	0	T	.06	13.08
577F	LOS ANGELES - U.S.W.B. - FEDERAL BUILDING	.92	6.04	3.47	.38	.86	.79	.04	.12	.02	0	.01	.09	12.74
587	SAN ANTONIO CANYON - POWER HOUSE #1	3.57	14.84	4.83	1.63	1.98	1.53	.31	.22	.12	0	0	.13	29.16
588B	MOUNT LOWE	5.41	15.42	10.42	1.00*	.50*	1.90 *	.30*	.45*	0	0	.16*	.45	36.01
593B	NEWHALL RANCH	41	8.57	3.64	.37	.22	.90	.48	.07	0	0	0	0	14.66
594B	NEWHALL	.57	9.48	4.07	.38	.29	1.10	.36	.04	.04	0	0	0	16.33
598	NEENACH	.09	5.72	3.33	.16	.11	.34	.48	T	0	0	0	0	10.23
610A	PASADENA - JONES	2.05	10.47	5.86	.64	.49	.97	.45	.43	.14	0	.14	.26	21.90
610B	PASADENA - CITY HALL	1.51	10.25	6.04	.46	.63	.96	.29	.48	.06	0	.10	.16	20.94
611	PASADENA - ALLEN	2.57	11.66	6.26	.76	.44	1.27	.34	.45	.16	0	.20	.25	24.36
612	PASADENA - CHLORINE PLANT	2.52	10.49	6.50	.81	.34	1.61	.32	.41	.10	0	.09	.37	23.56
613D	HURLBUT FIRE STATION - PASADENA	1.08	9.57	6.75	.44	.87	.81	.33	.31	.05	0	.06	.16	20.38
617	POMONA - ADAMSON	1.32	8.35	3.39	.41	.44	1.17	.09	.22	.07	0	T	.10	15.56
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	4.84	16.42	7.12	1.40	1.10	1.95	.38	.23	.06	0	T	.13	33.63
623	SAN FERNANDO - WEATHER BUREAU	.74	7.95	4.67	.50	.33	1.77	.13	.28	T	0	.05	.11	16.53
627	SAN GABRIEL CANYON - POWER HOUSE	1.70	9.11	5.50	.73	.50	1.90	.36	.19	.03	0	.05	.19	20.26
629C	SAN PEDRO U.S.W.B.	.75	6.19	2.34	.24	.29	.85	T	.03	T	0	.03	.02	10.74
634B	SANTA MONICA - CITY HALL	.82	6.36	3.19	.11	.67	.66	.06	.07	0	0	T	.04	11.98
647G	SUNLAND - TUJUNGA - U.S.W.B.	1.67	11.13	6.08	.67	.32	1.60	.23	.62	.07	0	.04	.02	22.45
650B	UPLAND - BAIRD	1.69	10.72	3.67	1.00	1.13	1.27	.28	.46	.15	0	.02	.08	20.47
660	OXNARD - U.S.W.B.	.35	7.98	2.33	.04	.46	.76	0	.16	0	0	.03	.01	12.12
662	LONG BEACH - 37TH & GAVIOTO	.45	7.52	2.14	.17	.90	1.13	.06	.18	0	0	.02	.07	12.64
666	LONG BEACH - SOUTH & LEMON	.44	6.85	1.91	.16	.43	1.77	.11	.14	0	0	.09	.14	12.04
671B	LOS ANGELES - WABASH - S.C.E.CO. SUB STATION	1.02	8.28	4.02	.46	.67	.69	.15	.15	0	0	.03	.13	15.60
672	EAGLE ROCK - S.C.E. CO. SUB STATION	1.19	9.02	6.88	.37	.68	.82	.28	.20	.05	0	0	.14	19.63
673	SEAL BEACH GAS & ELECTRIC PLANT	.63	4.15	1.67	.22	.35	.51	.02	.17	T	0	.01	.01	7.74
676	LOS ANGELES - WEST 80TH STREET	.68	6.32	3.03	.43	.40	1.56	.23	.20	T	0	.01	.13	12.99
677C	PASADENA - HOFFNER	1.75	10.51	6.69	.56	.74	.88	.32	.33	.05	0	.03	.15	22.01
678	PASADENA - SHELDON RESERVOIR	2.04	12.31	7.85	.67	.77	1.08	.29	.35	.07	0	.05	.18	25.66
679	PUENTE - NO. WHITTIER HEIGHTS CITRUS ASSN.	.71	8.02	3.41	.69	.51	1.43	.64	.51	.05	0	.08	.06	16.11
680	WESTWOOD - U.C.L.A.	1.06	8.12	4.26	.70	.90	.98	.02	.05	.01	0	.02	.03	16.15
681B	SANTA ANITA GUARD STATION	2.37	9.30	6.60	.87	.45	1.34	.45	.28	.22	0	0	.41	22.29
683	SUNSET RIDGE GUARD STATION	2.96	11.11	8.06	1.00	.38	2.15	.36	.03	0	0	.14	.70	26.89
684	ARCADIA WAREHOUSE - U.S.F.S.	1.73	9.11	5.38	.54	.64	1.01	.07	.12	.05	0	0	.11	18.76
685B	SOUTH PASADENA - MARSH	1.35	10.36	6.77	.31	1.37	.71	.51	.27	.02	0	0	.13	21.80
689B	SAN MARINO - COOPER	1.11	10.35	6.58	.45	1.28	.58	.43	.38	0	0	0	.14	21.30
691	SAN ANTONIO SPREADING GROUNDS	2.29	11.37	3.83	1.06	1.74	1.40	.38	.41	.15	0	.03	.11	22.77
694B	TUJUNGA CANYON - U.S.F.S. GUARD STATION	1.82	9.38	6.27**	.63	.15	1.58	.01	.34	T	0	0	.37	20.55
695	TUJUNGA CANYON - VALHALLA RANCH	2.47	14.78	7.44	.95	.30	2.17	.19	.38	0	0	0	.05	28.73
696	PASADENA - GLEN	2.44	12.37	7.04	.87	.46	1.71	.43	.71	.28	0	.11	.50	26.92
699	L. A. - 30TH & TRINITY STREET	.88**	6.41**	3.65	.58	.55	.85	.15*	.22*	0*	0*	.01*	.09*	13.39
700	L. A. - SLAUSON & LONG BEACH AVENUES	.79	7.03	3.55	.60	.43	1.04	.17*	.23*	0*	0*	.02*	.09*	13.95
703	GLENDALE - MC INTYRE	1.00	9.26	5.18	.36	.47	1.00	.21	0	.06	0	.02	.12	17.68
705	ALDER CREEK - PARADISE RANCH	2.86	9.18	4.69	.94	.32	1.54	.11	.39	.07	0	.05	.35	20.50
706	RIVERA - HADLEY RANCH	.67	8.14	3.12	.40	0	2.01	.20	.43	0	0	0	.08	15.05
715	LOS ANGELES #2 - U.S.W.B. - P.D. TERMINAL BLDG.	.97	7.48	3.81	.40	.92	.78	.04	.10	.01	0	.02	.07	14.60
716	L. A. WATER DEPT. - DUCOMMUN STREET	.62	7.08	3.66	.44	.93	.86	.05	.16	.01	0	.04	.08	13.93
718	THOUSAND OAKS	.27	7.43	2.64	.10	.37	1.02	.10	.03	.02	0	.14	.10	12.22
719	DUARTE - MADDOCKS RANCH	1.66	9.25	6.14	.62	.34	1.54	.39	.17	.07	0	.05	.24	20.47
723	STONE CANYON - SAN FERNANDO VALLEY	1.10	8.24	4.95	.35	.62	1.29	.04	0	0	0	0	0	16.59
724	BIG DALTON - MONROE CANYON FLUME X	3.88	11.08	5.93	1.28	1.13	2.07	.62	.46	.12	0	.06	.26	26.89
725	BIRMINGHAM HOSPITAL	.45*	6.33	3.50	.06	.44	1.84	0	0	0	0	0	0	12.62
726	ANGELES CREST - GUARD STATION	3.94	12.90	8.48	1.61	.56	2.39	.60	.83	.11	0	.02	.96	32.40
727	NEWCOMB PASS	5.64	17.40	11.86	1.24	1.41	2.62	.53	.56	.24	0	.35	.61	42.46
728	PACOIMA CANYON - CITY ROAD GAGE	3.34	11.81	6.54	1.36	.57	2.58	.45	.57	0	0	.13	.53	27.88
729	MAGIC MOUNTAIN RIDGE - INDIAN CANYON	2.92	11.13	5.97	1.22	.49	2.18	.35	.46	0	0	.08	.34	25.14
730	MILLARD CANYON - DAWN MINE	4.26	12.90	9.26	1.13	.44	2.16	.40	.58	0	0	.20	.79	32.12
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	3.23	10.91	6.46	.65	.40	1.36	.22	.26	.07	0	0	.24	23.80
732	ROBERT'S CANYON - SAN GABRIEL W. FK. DIVIDE	4.20	16.20	10.60	1.50	2.91	1.89	.67	.24	.05	0	.13	.60	38.99
733	ARROYO SECO - CLOUDBURST CANYON	4.49	13.54	10.93	.70	.50	2.41	.37	.52	0	0	.21	.41	34.08
734	LOS ANGELES MUNICIPAL AIRPORT	.80	7.92	2.91	.09	.44	1.02	.23	.04	T	0	.01	.03	13.49
735	BELL CANYON - PLATT RANCH	.13*	6.13	2.95	.25	.57	.94	0	0	0*	0*	.12*	0	11.09
737	UPPER SESPE CHORO GRANDE RANCH	.91	8.06	7.98	.27	1.07	1.24	.43	.04	0	0	.05	.07	20.12
739	SANTA PAULA - LIMONEIRA RANCH	.32	6.78	3.27	.38	.32	.86	.02	06	0	0	.36	T	12.37
742B	SAN GABRIEL - FIRE STATION	1.17	8.51	5.69	.40	1.07	.92	.42	.24	.16	0	.07	.12	18.77
746	MOHAVE - BACKUS RANCH	.15	2.44	1.54	.08	.17	.42	.09	T	0	0	.13	T	5.02
747	SANDBERG AIRWAYS STATION	.36	4.88	4.89	.13	.49	.61	.39	.01	0	0	T	T	11.76
748	NEWHALL - C.A.A.A.C. STATION	.33	8.14	3.29	.20	.34	.73	.28	.06	T	0	.02	T	13.39
749	BURBANK - AIRPORT	.80	6.55	3.90	.20	.24	1.02	.24	.21	T	0	.01	.04	13.21
750	PALMDALE - C.A.A.A.C. STATION	.33	2.84	1.96	.32	T	.45	.26	.06	0	0	.21	T	6.43
751	TORRANCE - FIRE DEPARTMENT	.28	5.35	2.48	.14	.47	.64	.23	.06	.01	0	.02	.02	9.70
752	MONROVIA - GEARY	1.58	9.45	6.02	.59	.64	1.47	.22	.25	.19	0	.08	.26	20.75
1000	HUNT CANYON - BONES RANCH	.35	4.65	2.72	.31	.06	.96	.06	.04	0	0	.06	0	9.21
1001	SAN GABRIEL - WEST FORK GUARD STATION	4.44	20.99	10.34	2.30	1.02	2.41	.26	.26	.07	0	.09	.23	42.41
1002	TUJUNGA - TANGUAY	1.68	12.65	5.59	.64	.31	1.41	.10	.45	.03	0	.04	.18	23.08
1003	VAN ALDEN DEBRIS BASIN	.25	6.05	3.84	.20	.54	.88	0	0	.05	0	.09	0	11.90
1004	MALIBU CREEK - CRATER CAMP	.55*	10.50	3.48	.99	.84	1.80	0	.11	0	0	.09*	.01*	18.37
1005	MINT CANYON - THE OAKS	.82	5.63	3.82	.45	.16	.81	.69	.30	0	0	.15	.25	13.08
1006	SAN PEDRO CITY RESERVOIR	.59	5.42	2.97	.18	.29	.82	.08	0	0	0	0	0	10.35
1007	ANGELES CREST HWY. - CAMP VAL CREST	2.97	13.18	7.38	.57	.24	1.71	.42	.12*	0*	0*	.10*	.15*	26.84
1008-E	LA FRESA - S.C.E.CO. SUB STATION	.66	6.11	2.79	26	.33	.79	.15	.03	.03	0	T	.01	11.16
1009	MINT CANYON - DYER	.62*	7.06	4.59	.12	.14	.40	.51	.04	0	0	.04	.27	13.79
1010	PALMER CANYON - NUFER	N.I.	N.I.	4.63**	1.38	1.74	1.86	.56**	.62	.08*	0	.10*	.17	INC.
1011	SAN PEDRO HILLS - SWAFFIELD	N.I.	N.I.	N.I.	N.I.	N.I.	INC..	.08	.08	0	0	.02	.03	INC.

LEGEND

* ----------ESTIMATED FROM NEARBY STATIONS
** ----------PARTLY ESTIMATED
INC.----------INCOMPLETE RECORD
N I.----------NOT INSTALLED
N.R.----------NO RECORD

TABLE V

RAIN GAGE STATION LOCATION

SEASON 1945-46-47

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
2B	S	22-25	1050	34 02 55	118 46 25	COUNTY FORESTRY EMPLOYEES	UPPER ESCONDIDO CANYON
3	S	34-09	875	34 06 25	118 47 38	J. K. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL
5B	S	35-64	924	34 09 30	118 38 09	TOM FARMER	4801 EL CANON AVENUE, CALABASAS
6	SA	24-01	747	34 05 08	118 35 58	CAPTAIN BARTON	.5 MILES SOUTH OF TOPANGA POST OFFICE
7C	S	24-55	95	34 02 28	118 32 45	ROY KINMAN	BEL AIR BAY CLUB, ROOSEVELT HIGHWAY
9	SP	48-37	815	34 13 34	118 28 03	ROBERT LARSON	8535 SEPULVEDA BOULEVARD, SAN FERNANDO VALLEY
10	SA	25-51	540	34 05 11	118 26 45	FRED BANNASCH	10601 CHALON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34 07 14	118 24 38	F. S. PAYNE	UPPER FRANKLIN RESERVOIR
12	S	37-86	1175	34 07 48	118 24 42	CITY FIREMEN	MULHOLLAND HIGHWAY AT FRANKLIN CANYON
13	S	38-34	593	34 09 47	118 22 17	KATIE BLIX	10834 EAST BLIX, NORTH HOLLYWOOD
14	SP	49-46	1000	34 14 19	118 21 28	E. S. MERRILL	NEAR MOUTH OF LA TUNA CANYON
15	SP A	37-41	695	34 10 48	118 27 03	FRANK CARR	AETNA AND VESPER STREETS, VAN NUYS
17	S	37-07	1400	34 07 48	118 29 42	CITY FIREMEN	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY
18	S	36-73	815	34 09 56	118 31 38	E. M. SHERMAN	ADOHR DAIRY, VENTURA BOULEVARD, TARZANA
20B	S	35-84	986	34 09 07	118 36 35	L.A.W.D. EMPLOYEES	GIRARD RESERVOIR
21	S	36-02	876	34 10 16	118 35 56	CARL WYNINGER	WEST OF CONAGO AVENUE, NORTH OF VENTURA BOULEVARD, BRANT RANCH - GIRARD
23-E	SP AP	46-87	865	34 13 36	118 37 03	L.A.W.D. EMPLOYEES	EAST END CHATSWORTH RESERVOIR
24D	S	46-94	957	34 15 23	118 36 19	TRACY HUGHES	10239 JORDAN AVENUE, CHASWORTH
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	14163 VAN NUYS BOULEVARD, PACOIMA
28	S	48-32	950	34 16 15	118 27 54	B. HANNEMAN	11030 SEPULVEDA BOULEVARD, SAN FERNANDO
29B	S	47-81	1150	34 17 02	118 30 50	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D. PUMP PLANT, GRANADA
30	SP	59-28	1250	34 18 37	118 28 17	W. C. SIMONDS	SYLMAR OLIVE PACKING PLANT
32C-E	S	58-61	1243	34 23 07	118 31 54	L. A. CO. FORESTRY EMPLOYEES	INLAND HIGHWAY, 1/4 MILE NORTH OF NEWHALL
33A'-E	S A	60-07	1500	34 19 48	118 23 59	L. L. MOORE	CARETAKER'S HOUSE, BELOW PACOIMA DAM
38	S	49-34	1060	34 15 13	118 21 44	SAM J. CHAPPEL	10100 HELEN STREET, ROSCOE
39B	8.81"	50-19	1610	34 12 18	118 17 05	FLOOD CONTROL EMPLOYEES	SUNSET DAM, BURBANK
42	8.81"	7-15	50	33 50 28	118 23 22	CITY CLERK	ROOF OF CITY HALL, REDONDO
43A	SP	7-19	300	33 48 00	118 23 20	S. F. BERGSTROM	75 MALAGO COVE PLAZA, PALOS VERDES ESTATES
43B	SP	2-10	450	33 47 47	118 22 12	GOMER SIMS	GOLF CLUB - PALOS VERDES ESTATES
44	S	1-85	125	33 44 30	118 24 38	JOE MAY	POINT VICENTE LIGHT HOUSE
46D-E	SA	51-10	2315	34 17 31	118 11 15	D. J. ROBERTSON	WEST OF SPILLWAY, BIG TUJUNGA DAM
47A	SA	51-22	3100	34 16 36	118 10 15	MRS. H. H. ROGERS	1.6 MILES UP CLEAR CREEK, FROM BIG TUJUNGA CANYON
47C	SA	51-22	3125	34 16 45	118 10 27	FLOOD CONTROL EMPLOYEES	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
48	S	51-15	1800	34 14 44	118 11 00	U.S.F.S. EMPLOYEES	OAK WILDE - ARROYO SECO
49	SP	40-50	1345	34 11 45	118 08 58	GEORGE S. CHIESA	221 EAST FOOTHILL, ALTADENA
50B	S	40-10	1155	34 11 48	118 11 03	L. A. CO. FORESTRY EMPLOYEES	2790 FOOTHILL BOULEVARD, FLINTRIDGE
51	S	65-69	4010	34 18 06	117 50 20	MC CORD	FALLING SPRINGS CAMP (LITTLE CIENEGA) 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 18 04	118 08 37	FLOOD CONTROL EMPLOYEE	WATERMAN GUARD STATION - ARROYO SECO
53A	SA	62-89	3500	34 18 04	118 06 42	FLOOD CONTROL EMPLOYEE	SLEEPY HOLLOW RANCH (COLBY'S), COLDWATER CANYON, BIG TUJUNGA
54	SP A	63-55	4050	34 20 30	118 02 56	MRS. L. G. LOOMIS	NEAR JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK
56	S	52-24	3450	34 15 13	118 04 28	GEORGE COMSTOCK	KAMP KOLE (VALLEY FORGE LODGE), WEST FORK OF SAN GABRIEL
57B-E	SP A	52-04	4350	34 15 13	118 05 50	J. GRIFFITH	WEST FORK SAN GABRIEL RIVER, CAMP SINGER (OPID'S)
60A	SA	52-69	2750	34 12 32	118 02 02	LE ROY HAYNES	CAMP LEROY (HOEGEE'S) WINTER CREEK, SANTA ANITA CANYON
62	S	41-80	1950	34 11 28	118 01 05	U.S.F.S. EMPLOYEES	SANTA ANITA CANYON, 1/4 MILE BELOW JUNCTION WITH WINTER CREEK
63B-E	S	41-81	1400	34 11 04	118 01 11	K. A. SHIPLEY	CARETAKER'S HOUSE - SANTA ANITA DAM
66	S	41-54	665	34 09 29	118 02 36	C. J. PEGLER	415 EAST LIVE OAK AVENUE, SIERRA MADRE
67B	S	41-95	600	34 08 57	118 00 02	G. H. DUELL	ROOF OF CITY HALL, MONROVIA
68B	S	42-12	1378	34 10 35	117 59 15	R. E. WADDICOR	SAWPIT DAM
69	S	42-31	2000	34 11 10	117 57 55	R. E. WADDICOR	UPPER SAWPIT CANYON, 0.5±MILE NORTHEAST OF SAWPIT DAM
70	SA	42-93	800	34 09 48	117 54 17	ROGER DALTON	MOUTH OF SAN GABRIEL CANYON
73	S	43-54	1200	34 09 22	117 50 53	O. H. ENGLEHART	MOUTH OF ENGLEWILDE CANYON, GLENDORA
76B	S	54-57	1500	34 13 33	117 50 48	GEORGE MIDDLETON	SAN GABRIEL DAM #1 CAMP
82	S	67-11	7500	34 22 53	117 41 05	S. C. WARNER	TOP OF TABLE MOUNTAIN
83	SA	67-02	6860	34 22 45	117 41 28	HOWARD ROWE	BIG PINES RECREATION PARK
85D	SP A	56-46	4300	34 14 12	117 39 32	U.S.F.S. EMPLOYEES	U.S.F.S. GUARD STATION, CAMP BALDY
87	S AP	44-33	1500	34 09 56	117 46 02	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON AT WEST FORK
89-E	S	44-24	1350	34 09 05	117 46 28	G. W. RODGERS	SAN DIMAS CANYON BELOW DAM AT CARETAKER'S HOUSE
90	S	44-44	1680	34 09 00	117 45 32	CHARLES E. ELDER	NORTH END OF BRYDON ROAD
91	S	44-87	1405	34 07 16	117 43 11	ROBERT BALCH	2945 INDIAN HILL ROAD, CLAREMONT
92	SA	32-90	1190	34 05 52	117 42 34	E. B. WESTON	POMONA COLLEGE OBSERVATORY
93	S	32-80	1165	34 05 47	117 42 59	PAUL GORDON	221 WEST SECOND STREET, CLAREMONT
94	S	31-60	805	34 06 00	117 50 02	WILL G. FIELDS	1331 COVINA BOULEVARD, SAN DIMAS
95	S	43-99	960	34 06 28	117 48 22	L. A. CO. FORESTRY EMPLOYEES	114 EAST FIRST STREET, SAN DIMAS
96-E	S	31-90	1030	34 05 30	117 48 24	F. A. POLLARD	PUDDINGSTONE DAM
98	SP	42-96	602	34 08 02	117 54 14	JOHN HIBSCH	325 FOOTHILL BOULEVARD, AZUSA
99	S	43-06	615	34 08 00	117 53 37	CHARLES STEWART	962 FOOTHILL BOULEVARD, AZUSA
101	S	30-53	358	34 03 51	117 57 00	HURST BROTHERS	SOUTHEAST CORNER MERCED & ORANGE STREETS, WEST COVINA
102B	S	31-29	488	34 00 14	117 52 13	L. A. CO. FORESTRY EMPLOYEES	4009 POMONA BOULEVARD, WALNUT, SOUTH HILLS PATROL STATION
104	SP	30-09	600	34 00 23	117 59 46	JOHN THOMAS	SOUTH END OF 7TH AVENUE, NORTH WHITTIER HEIGHTS
105	S	16-64	215	33 57 33	118 01 49	PETER E. SHARPLES	1226 LAUREL AVENUE, WHITTIER
106	S	16-61	365	33 58 53	118 02 13	K. R. WARREN	CITY HALL ROOF, WHITTIER
107B	S	15-65	118	33 56 33	118 08 10	CO. FIRE DEPARTMENT EMPLOYEES	224 WEST SECOND STREET, DOWNEY FIRE STATION
108B	SA	29-62	301	34 04 27	118 02 08	MARTIN SORENSON	126 SOUTH TYLER AVENUE, EL MONTE FIRE STATION
109C	S	41-27	455	34 07 25	118 03 02	CARL RANDOLPH	538 NAOMI AVENUE, ARCADIA
110	S	28-70	485	34 05 40	118 07 43	J. W. CLAY	NORTHWEST CORNER OF SECOND & MAIN STREETS, CITY HALL, ALHAMBRA
111	SP	40-48	690	34 06 58	118 09 05	NORVAL B. KRUG	NORTHWEST CORNER MOUND & MISSION STREETS, CITY HALL, SOUTH PASADENA
114	S	14-09	64	33 54 07	118 17 29	M. T. KING	SOUTHEAST CORNER VERMONT & ROSECRANS, GARDENA
116B	SP	13-43	125	33 57 45	118 21 40	CITY FIREMEN	111 EAST QUEEN STREET, INGLEWOOD FIRE STATION
117B	S	8-70	68	33 53 43	118 13 30	CHIEF D. S. WETHERBEE	FIRE STATION, COMPTON
118B	S	3-41	40	33 47 20	118 15 32	E. A. BISHOP	1251 BANNING BOULEVARD, WILMINGTON
119D	S	25-44	355	33 03 25	118 27 17	J. MC CARTHY	NATIONAL MILITARY HOME, SAWTELLE
120	S	74-51	3250	34 29 30	118 07 45	L. A. CO. FORESTRY EMPLOYEES	1533 SIERRA HIGHWAY, VINCENT PATROL STATION
121	S	112-79	2350	31 41 58	118 07 48	E. M. HUFF	UNION HIGH SCHOOL, LANCASTER
122B	S	98-49	3130	34 36 27	118 15 31	JOHN RITTER	SOUTH OF JUNCTION - GOODE HILL ROAD WITH ELIZABETH LAKE ROAD
124B	SP AP	84-31	3000	34 35 10	118 21 40	R. W. MATHEWS	BOUQUET CANYON RESERVOIR
125	SP	83-40	2100	34 35 20	118 27 10	STATION OPERATOR	POWER PLANT #1, UPPER SAN FRANCISQUITO CANYON
126	S	12-41	17	33 59 18	118 27 33	A. S. EDE	VENICE CITY YARDS
127	SP	70-71	1507	34 28 55	118 31 40	JIM RAY	DRY CANYON RESERVOIR
128B	S	95-39	2075	34 36 28	118 33 40	CLINTON H. BURT	ELIZABETH LAKE CANYON AT RADIUM HOT SPRINGS
130B	S	106-85	4025	34 44 37	118 42 43	J. L. OZANNE	QUAIL LAKE COUNTY PATROL STATION
134	S	44-07	1110	34 07 39	117 47 45	A. L. STEVENS	1/2 MILE NORTH OF FOOTHILL, 0.2 MILES WEST OF SAN DIMAS CN. RO., SAN DIMAS
135	S	10-30	83	33 53 50	118 03 58	C. J. HARGITT	801 BLOOMFIELD, NORWALK
136B	S	26-70	317	34 05 28	118 19 30	D. M. TRUE	6225 SANTA MONICA BOULEVARD, HOLLYWOOD
137B	S	38-48	1125	34 06 51	118 21 13	FLOOD CONTROL EMPLOYEES	EASTSIDE CURSON CANYON NEAR MULHOLLAND HIGHWAY
139	SP	27-54	385	34 03 08	118 14 48	J. JONES	SOUTHEAST CORNER SECOND & HILL STREETS, L.A.W.D. ROOF
140	S	25-55	232	34 02 44	118 26 57	W.B. SCOTT	1620 SOUTH PURDUE STREET, WEST LOS ANGELES CITY HALL
143	S	42-96	607	34 08 04	117 54 17	CORNELIUS SMITH	CITY HALL PARK, AZUSA
144	S	41-52	1100	34 10 34	118 02 32	B. F. MOBLEY	NEAR SIERRA MADRE DAM
150	SA	42-11	1800	34 11 09	117 59 14	R. E. WADDICOR	MONROVIA CANYON FALLS
155B	S	87-79	3035	34 30 18	118 01 40	MARTY BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW DAM
156	SA	10-81	86	33 53 15	118 00 58	STANDARD OIL EMPLOYEES	CENTER STREET AND LEMONT AVENUE, LA MIRADA
157	SP	12-88	135	33 54 55	118 25 10	LABORATORY EMPLOYEES	STANDARD OIL REFINERY, EL SEGUNDO
158	SP AP	55-49	2750	34 12 20	117 45 40	U.S.F.S. EMPLOYEES	WEST FORK SAN DIMAS CANYON, TANBARK FLATS
164	SP 3"	41-93	690	34 09 32	118 00 25	CHARLES J. O'CONNOR	432 NORTH PRIMROSE, MONROVIA
167	SP	41-64	611	34 09 32	118 02 02	SCOTT M. LEE	89 ORANGE GROVE AVENUE, ARCADIA PUMP PLANT
168	S	41-09	433	34 06 07	118 05 45	RICHARD WATTS	309 EAST LIVE OAK AVENUE, SAN GABRIEL

TABLE V

RAIN GAGE STATION LOCATION

SEASONS 1945-46-47

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
169	SP	41-63	700	34 09 49	118 02 23	B. F. MOBLEY	621 SIERRA MADRE AVENUE, SIERRA MADRE PUMP PLANT
170B	S	29-15	297	34 02 34	118 04 54	J. M. MALNERITCH	3651 WALNUT GROVE AVENUE, SAN GABRIEL
171	S	41-35	635	34 08 48	118 04 05	W. E. COMERFORD	75 SOUTH MICHILLINDA AVENUE, LAMANDA PARK
174	SP	43-86	965	34 07 57	117 49 10	BERT WARREN	OLD FOOTHILL BOULEVARD 2.25 MILES EAST OF GLENDORA
175B	S	50-87	2020	34 13 40	118 12 42	J. M. FICKS	ALTA CANADA AND DEL ORO DRIVE, LA CANADA
176	SP	40-61	1125	34 10 55	118 08 16	J. H. SCRANTON	583 SACRAMENTO STREET, ALTADENA
177C	S	51-09	1255	34 12 12	118 11 36	P. L. BRADFORD	4607 COMMONWEALTH AVENUE, LA CANADA
178	A	43-09	545	34 06 24	117 53 58	E. B. GRIFFITH	SOUTH OF BONITA AVENUE, WEST OF CERRITOS AVENUE, AZUSA
179B	SP A	41-52	1125	34 10 22	118 02 46	PAUL N. CARTER	666 NORTH MOUNT WILSON TRAIL ROAD, SIERRA MADRE
181B	S	29-94	293	34 03 10	118 00 06	R. S. CLIFFORD	VALLEY BOULEVARD AT COVINA BOULEVARD, BASSETT
182	SP	30-41	378	34 05 17	117 57 35	S. HOWARD LEACH	334 NORTH MAINE STREET, BALDWIN PARK
185	S	43-46	822	34 08 23	117 51 33	L. M. WEST	460 EAST BENNETT STREET, GLENDORA
186C	S	44-08	1070	34 07 08	117 47 38	WAYNE E. MORRISON	1001 SAN DIMAS CANYON ROAD, SAN DIMAS
192B	8.81"	15-12	145	34 58 47	118 11 18	J. H. CARROLL	6320 PINE STREET, BELL
193	S	31-21	575	34 04 57	117 52 28	W. B. TEMPLE	748 PUENTE STREET, COVINA
196	S	44-39	1054	34 06 01	117 46 07	E. W. KERR	2146 THIRD STREET, LA VERNE
198B	8.81"	39-21	890	34 11 04	118 16 34	FLOOD CONTROL EMPLOYEE	MOUTH OF BRAND CANYON
199B	S	14-81	175	33 59 21	118 13 06	WILL LOUGH	CITY YARD, 2886 SLAUSON AVENUE, HUNTINGTON PARK
200	S	70-27	1093	34 25 23	118 34 32	A. T. BALDWIN	SO. CALIF. EDISON CO. SUB STATION, 2.5 MILES WEST OF SAUGUS
201	SA	17-00	860	34 59 40	117 59 30	HARVEY LOWERY	ALTA MIRA ORCHARD, 1 MILE NORTHEAST OF SUMMIT TURNBULL CN. RD.
205	SP	30-79	374	34 00 34	117 55 46	SO. CALIF. ED. CO. EMPLOYEES	S. C. E. CO. SUB STATION, VALLEY BOULEVARD, 1.5 MILES EAST OF PUENTE
206	S	30-94	467	34 03 19	117 54 25	P. R. JACKSON	2024 S. AZUSA AVENUE, VALENCIA HEIGHTS
208	SP 5"	10-14	49	33 51 35	118 04 52	W. S. RUSSELL	BARR LUMBER COMPANY, 1804 PIONEER BOULEVARD, ARTESIA
209B	8.81"	62-49	2445	34 18 20	118 09 33	FLOOD CONTROL EMPLOYEE	BIG TUJUNGA CANYON AT EDISON ROAD
210B	SA	39-21	1250	34 11 19	118 16 21	FLOOD CONTROL EMPLOYEE	SOUTHWEST SLOPE, 200 FEET ABOVE TANK, BRAND PARK
213	SA	26-43	177	34 03 48	118 21 19	FLOOD CONTROL EMPLOYEE	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215B	S	9-71	73	33 52 56	118 07 29	CO. FIRE DEPT. EMPLOYEES	917 EAST FLOWER STREET, BELLFLOWER FIRE STATION
216	SP	39-43	620	34 09 55	118 15 01	J. E. JONES	318 EAST RANDOLPH STREET, GLENDALE
217	8.81"	14-75	110	33 56 37	118 13 45	S. T. TONEY	2265 EAST 103RD STREETS, WATTS
218	S	7-54	75	33 51 11	118 20 26	MARION E. DICE	2 MILES NORTHWEST OF TORRANCE, GENERAL PETROLEUM CORPORATION
219	S	48-94	955	34 15 21	118 24 27	L. A. CO. FORESTRY EMPLOYEES	12605 OSBORNE AVENUE, PACOIMA
221B	S	59-99	1375	34 18 32	118 24 20	RANCH FOREMAN	KEINER RANCH, 12500 NORTH MC CLAY STREET, SAN FERNANDO
222	SP	38-10	732	34 11 55	118 23 18	STATION OPERATOR	11845 VOSE STREET, NORTH HOLLYWOOD
223B-E	S	43-83	1575	34 10 13	117 48 30	PAUL KEISER	CARETAKER'S HOUSE BELOW BIG DALTON DAM
224	S	4-03	30	33 46 05	118 11 35	R. E. BIXBY	FIRST STREET, PACIFIC AVENUE, LONG BEACH
225	S	9-85	47	33 50 35	118 07 09	R. F. FELAND	MONTANA RANCH, 5812 ARBOR ROAD, SOUTHWEST OF ARTESIA
226	S	38-91	665	34 10 55	118 18 24	F. OLCHVARY	125 EAST THIRD STREET, BURBANK FIRE STATION
227B	S	40-99	487	34 06 32	118 06 19	G. B. GLEASON	424 NORTH MILTON AVENUE, SAN GABRIEL
228B	AP	26-02	255	34 04 27	118 23 57	C. VALLE RIESTRA	CITY HALL ROOF, BEVERLY HILLS
230C	SP	44-68	1255	34 00 57	117 44 12	C. F. ELDER	4055 NORTH SAN ANTONIO AVENUE NEAR THOMPSON CREEK
234	S	31-23	630	34 03 39	117 52 38	BEN F. THORPE	NEAR CAMERON AVENUE & BARRANCA STREET, WEST COVINA
235B	SP A	41-10	2550	34 11 36	118 05 20	L. A. CO. FORESTRY EMPLOYEES	HENNINGER FLATS
236	S	58-88	1455	34 19 12	118 24 59	VERLE FOWLER	CRAIG RANCH, SAN FERNANDO, NORTH END HUBBARD AVENUE
237	SP	37-49	725	34 06 25	118 27 13	L.A.W.D. EMPLOYEES	STONE CANYON DAM
238	SP	38-68	750	34 07 04	118 19 55	L.A.W.D. EMPLOYEES	HOLLYWOOD DAM
240B	S	60-67	1875	34 19 04	118 20 02	J. ODDOUS	5.0 MILES UP LITTLE TUJUNGA CANYON FROM OLD FOOTHILL BOULEVARD
241A	SP	4-03	30	33 46 12	118 11 35	C. C. BOKERS	VETERANS MEMORIAL BUILDING, LONG BEACH
246B	S	26-18	75	34 01 00	118 23 17	BUS DEPOT EMPLOYEE	CORNER JEFFERSON AND DUQUESNE STREETS, CULVER CITY
250C	S	74-04	2550	34 27 02	118 11 52	L. M. LUGLAN	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	F. G. HALVERSEN	2908 FOOTHILL BOULEVARD, LA CRESCENTA
253	S	13-95	235	33 56 54	118 18 35	MRS. R. R. BOHMER	9625 SOUTH WESTERN AVENUE - L.A.W.D.
254	S	17-50	466	33 59 37	117 56 30	J. IRIATE	ROWLAND RANCH, PUENTE
255A	S	31-55	770	34 02 51	117 50 50	M. P. LOWE	SAN JOSE HILLS NEAR SPADRA
255B	S	31-45	780	34 02 29	117 51 11	MR. JACOBSON	SAN JOSE HILLS NEAR SPADRA
256B	S	32-44	882	34 03 26	117 45 04	CHIEF DAN ZANS	FIFTH AND THOMAS STREET, POMONA
257	SA	39-17	750	34 07 12	118 17 11	J. KLADLER	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY
258A	8.81"	38-97	1100	34 07 24	118 18 11	LOUIS STRAUSS	WEST OF TUNNEL, POINT OF RIDGE, GRIFFITH PARK
258B	8.81"	39-07	1400	34 07 45	118 17 53	LOUIS STRAUSS	SOUTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK
258C	8.81"	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. FORESTRY EMPLOYEES	21880 MAYON DRIVE, COUNTY FOREST PATROL STATION, TWIN LAKES PARK
261-E	SA	73-30	3075	34 29 51	118 15 56	H. F. MELLEN	ESCONDIDO CANYON, NORTH BRANCH, 5.5 MILES NORTHWEST OF ACTON
263A	S	32-56	778	34 01 54	117 44 26	G. H. GRANT	2211 SOUTH TOWNE AVENUE, POMONA
265C-E	S	17-74	675	33 57 13	117 55 23	P. J. WEISEL JR.	ANAHEIM ROAD, 1 MILE NORTH OF WHITTIER BOULEVARD, PUENTE HILLS
266	SP	17-06	353	33 56 25	117 59 35	C. A. HEWITT	1234 SANTA GERTRUDES AVENUE, WHITTIER
268-E	SP A	7-94	57	33 51 32	118 18 33	STATION OPERATOR	190TH AND WESTERN AVENUE, SO. CALIF. EDISON CO. SUB STATION
269A	S	18-53	710	33 58 09	117 50 40	JOSE RODRIGUEZ	DIAMOND BAR RANCH #1, BREA CANYON ROAD
269B	SP AP	18-62	760	35 58 42	117 49 54	ANGEL REYES	DIAMOND BAR RANCH, HORSE CAMP
270	S	15-46	104	33 56 17	118 09 22	CLYDE MORROW	COUNTY FARM #1, 741 OLD RIVER SCHOOL ROAD, HONDO
271	S	8-63	195	33 51 37	118 14 01	W. W. WRIGHT	DOMINGUEZ HILLS, 18,800 WILMINGTON BOULEVARD
272	S	38-94	473	34 09 21	118 18 20	O. J. SMITH	WEST OF NORTH ENTRANCE OF GRIFFITH PARK, NEAR LOS ANGELES RIVER
274	SP	85-68	3250	34 30 50	118 14 10	MRS. A. S. HUBBARD	MINT CANYON ROAD JUST EAST OF SUMMIT
275	SP 3"	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	WYN SKELTON	SAWMILL MOUNTAIN RANCH, 8.9 MILES NORTHWEST OF LAKE HUGHES
278B	S	26-86	211	34 02 00	118 18 58	ZACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
279A	SP	41-11	1325	34 10 50	118 05 04	ROSS M. LOCKHART	KINNELOA RANCH, PASADENA GLEN
280B	SA	40-01	1325	34 10 57	118 11 47	L. A. CO. FIRE DEPT. EMPLOYEES	1028 INVERNESS DRIVE, FLINTRIDGE FIRE STATION
283A	SA	65-67	5740	34 19 35	117 50 14	U.S.F.S. EMPLOYEES	CRYSTAL LAKE - EAST PINE FLAT
284	S	59-22	1480	34 22 38	118 28 42	D. F. POLLOCK	PLACERITA CANYON - GAFFER RANCH
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	MOUNT ST. MARY'S COLLEGE - SANTA MONICA MOUNTAINS
287	SP	43-36	782	34 08 22	117 51 54	H. C. WARREN	234 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33 58 38	118 08 45	S. C. EDISON CO. EMPLOYEES	6301 SOUTH GARFIELD AVENUE, BELL
290	S	28-75	375	34 02 45	118 07 43	S. C. EDISON CO. EMPLOYEES	LA MERCED HILLS - GARFIELD AVE. AT S. C. EDISON CO. SUBSTATION
291	ACO	14-45	121	33 57 00	118 15 25	L. A. CO. EMPLOYEES	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292-E	SP	36-85	1000	34 08 56	118 30 52	L. E. SWINNEY	ENCINO RESERVOIR 1 MILE SOUTHWEST OF ENCINO
293	SP	48-11	1150	34 17 18	118 28 54	L.A.W.D. EMPLOYEES	LOWER SAN FERNANDO RESERVOIR
294	SP	41-53	985	34 10 11	118 02 57	B. F. MOBLEY	MIRA MONTE AVENUE PUMP PLANT, SIERRA MADRE
295F	S	39-34	530	34 09 07	118 15 40	MAURICE KENNEDY	415 WEST LEXINGTON AVENUE, GLENDALE
298A	S	105-40	3830	34 47 50	118 51 07	J. L. RALPHS	GORMAN
298B	S	105-61	3650	34 47 18	118 49 54	DEWEY RALPHS	NEAR GORMAN
299C	S	88-26	2805	34 32 10	117 58 39	MRS. LENA SCHWAB	85TH STREET E. & AVENUE T 8, LITTLE ROCK
300A	SP 3"	36-08	1070	34 07 08	118 35 35	R. L. PEELER	GARRAPATA CANYON & FAILOR CANYON, TOPANGA
303C	SA	40-76	745	34 08 11	118 07 16	PROF. MICHAEL AND STUDENTS	CAL. TECH. CAMPUS, CORNER OF HILL AND CALIFORNIA, PASADENA
303D	SA	40-76	800	34 08 12	118 07 28	PROF. MICHAEL AND STUDENTS	CAL. TECH. CAMPUS, CORNER OF HILL AND CALIFORNIA, PASADENA
304	S	42-30	2725	34 11 39	117 57 50	R. E. WADDICOR	DEER PARK, 1½ MILES ABOVE SAWPIT DAM
305	S	21-01	1155	34 05 13	118 53 27	R. L. MASON	EAST FORK ARROYO SEQUIS, SOUTH OF MULHOLLAND ROAD
308	SP	56-96	8300	34 13 50	117 36 22	H. S. DELKER	KELLY'S KAMP, 1¼ MILES NORTHEAST OF ONTARIO PEAK
309	SP	45-05	1768	34 08 36	117 41 51	KENNETH B. FORBES	4064 PADUA AVENUE, PADUA HILLS
311B	SP AP	40-43	918	34 09 48	118 09 28	PASADENA WATER DEPT. EMPLOYEES	1083 MENTONE STREET, PASADENA
312	SP	42-85	675	34 08 51	117 54 55	PLANT OPERATOR	1 MILE NORTHWEST OF AZUSA
321-E	S	96-72	3275	34 40 27	118 25 49	L. A. CO. FORESTRY EMPLOYEES	PATROL STATION BETWEEN ELIZABETH AND HUGHES LAKES
322	S AP	110-48	2600	34 42 50	118 21 15	E. S. MUNZ	LANCASTER - BAILEY ROAD 14 MILES WEST OF LANCASTER
334-E	S A	53-35	2335	34 14 38	117 57 39	FLOOD CONTROL EMPLOYEES	SAN GABRIEL DAM #2, WEST FORK - SAN GABRIEL CANYON

TABLE V

RAIN GAGE STATION LOCATION

SEASONS 1945-46-47

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
336	SP	39-39	455	34 06 08	118 15 54	RESERVOIR CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	SP	52-47	5650	34 13 27	118 03 32	J. O. HICKOX	50 FEET SOUTH OF 60" TELESCOPE, MOUNT WILSON
338B	SP A	52-37	5709	34 13 36	118 03 57	R. J. WARD	1/2 MILE WEST OF 60" TELESCOPE, MOUNT WILSON AIR WAY STATION
339	SP	31-49	533	34 00 13	117 51 11	PACKING HOUSE EMPLOYEE	1/2 MILE SOUTHEAST OF WALNUT, SOUTH SIDE U. P. R. R. TRACKS
341	S	74-43	2900	34 27 51	118 09 25	GEORGE J. BLUM	ALISO CANYON - EAST OF ACTON
342	S	45-17	1550	34 07 13	117 40 48	R. C. CADNUM	1544 NORTH BENSON STREET, UPLAND
343B	SP	16-04	144	33 57 12	118 05 48	F. C. COLLINS	2625 PASSONS BOULEVARD, RIVERA
347-E	S	30-30	387	34 05 38	117 57 39	VARIOUS	SCOTT PLACE, 1 BLOCK WEST OF MAIN STREET, BALDWIN PARK
348C	SA	55-36	2000	34 14 10	117 45 50	K. C. ANDREWS	.6 MILE NORTH NORTHEAST OF CAMP BONITA, EAST FORK SAN GABRIEL CN.
349B	S	54-46	1530	34 14 20	117 51 36	MRS. C. M. SCHMIOT	CAMP RINCON, WEST FORK SAN GABRIEL CANYON
351D	SP	86-81	2648	34 34 51	118 06 52	H. P. SCHOELLER	AVENUE O 7 BETWEEN EAST 8TH AND EAST 9TH STREETS, PALMDALE
352	SA	21-21	1530	34 04 50	118 52 38	L. A. CO. FORESTRY EMPLOYEES	LECHUSA PATROL STATION, 4 MILES FROM COAST ON DECKER ROAD
353	SP	42-26	458	34 07 58	117 58 43	E. S. HART	DUARTE ROAD AT BUENA VISTA STREET, DUARTE
354D	S	56-27	4527	34 13 45	117 40 10	MR. HOLTZ	COW CANYON AND SAN ANTONIO CANYONS DIVIDE, 1¼ MILES S.W. OF CAMP BALDY
355	S	27-01	335	34 05 21	118 17 34	J. F. BALL	LOS ANGELES CITY COLLEGE, 855 NORTH VERMONT AVENUE, LOS ANGELES
356B	SA	31-95	685	34 02 32	117 48 34	R. S. HUTCHISON	SPADRA STATE HOSPITAL
357	SP	59-08	1248	34 18 49	118 29 30	STATION OPERATOR	POWER HOUSE #3, UPPER SAN FERNANDO RESERVOIR
362	SP	40-23	1025	34 09 56	118 10 46	J. D. HOFFMAN	1475 EL MIRADOR DRIVE, PASADENA
364	SP	50-23	2450	34 15 50	118 16 13	FLOOD CONTROL EMPLOYEE	50' EAST OF U.S.G.S. GAGING STATION, HAINES CREEK
366	S	77-45	3730	34 26 51	117 51 33	L. F. NOBLE	1/2 MILE NORTHWEST VALYERMO RANGER STATION, ½ MILE SOUTH OF BIG ROCK CR.
367	SP A	50-42	3450	34 16 18	118 15 07	FLOOD CONTROL EMPLOYEE	AT UPPER FORK NEAR HEAD OF HAINES CANYON
372	SP A	82-76	1580	34 32 02	118 31 27	STATION OPERATOR	SAN FRANCISQUITO CANYON POWER HOUSE #2
373	SA	50-76	2310	34 14 16	118 13 42	L. R. BLEITZ	5613 CANYON SIDE DRIVE, BRIGGS TERRACE
375B	S	39-16	650	34 08 02	118 17 18	CHARLES H. ALLEN	GRIFFITH PARK ZOO, LOS ANGELES
377D	SP	V-CO.	1075	34 09 00	118 53 35	T. E. MOODY	NORTH EDGE OF LAKE SHERWOOD - VENTURA COUNTY
379B	SA	54-86	1600	34 14 10	117 48 18	GEORGE MIDDLETON	EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL RIVER
380	SA	28-11	553	34 04 54	118 11 02	GEORGE P. MORGAN	4566 BEDILLION STREET, EL SERENO
381B	S	25-08	100	34 01 06	118 29 50	PAUL F. KNIEF	1245 4TH STREET, SANTA MONICA
384B	S	40-26	825	34 06 43	118 12 02	F. B. LAVERTY	502 LAKEVIEW ROAD, PASADENA
386B	SP 3"	21-71	1500	34 04 58	118 49 38	R. H. OAKLEY	DUME CANYON NORTHWEST OF VERA CANYON
387B	SP	31-01	508	34 05 02	117 53 57	W. A. POOLE	227 SOUTH HOLLENBECK AVENUE, COVINA
388B	S	9-40	71	33 53 30	118 09 33	L. A. CO. FIRE DEPT. EMPLOYEE	210 NORTH PARAMOUNT BOULEVARD, CLEARWATER
389	SP	43-35	825	34 08 49	117 52 04	FRANK H. BROWN	1000' NORTH OF PENN, AND SIERRA MADRE AVENUE, GLENDORA
390B-E	SP	43-21	1210	34 11 12	117 52 43	FRED CHAPMAN	MORRIS DAM, SAN GABRIEL CANYON
391B	S	28-98	205	34 00 40	118 06 17	FIRE DEPARTMENT EMPLOYEES	140 NORTH SIXTH STREET, MONTEBELLO
392B	SP	40-71	1335	34 11 20	118 07 21	C. W. BARTON	1338 HULL LANE, ALTADENA
394	S	40-28	620	34 07 06	118 10 40	MRS. ELISABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK
395	S	59-57	1425	34 19 31	118 26 56	R. N. LOOMIS	OLIVE VIEW SANITARIUM, SAN FERNANDO
400	SP	40-63	1000	34 10 08	118 08 12	H. J. SIEVERT	WASHINGTON AND PALM TERRACE, PASADENA
402C	S	65-23	6800	34 21 03	117 53 00	B. H. HENRY, SUPERINTENDENT	CEDAR SPRINGS PRISON CAMP, ANGELES CREST HIGHWAY
404	S	39-54	653	34 09 29	118 14 25	JOHN OPID	811 NORTH GLENDALE AVENUE, GLENDALE
405	S	73-06	2250	34 26 15	118 17 36	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	710 WEST BROADWAY, WEST AZUSA
407	S	58-82	1325	34 22 13	118 30 46	RAY MC CORMICK	1 MILE SOUTHEAST OF NEWHALL - U.S.F.S. DISTRICT HEADQUARTERS
408	S	71-58	1472	34 24 47	118 26 24	MRS. J. W. MITCHELL	0.4 MILE SOUTH OF SOLEDAD CANYON ROAD, 1.2 MILES W. OF JUNCTION SAND AND SOLEDAD CNS.
409	S	93-12	1425	34 40 34	118 46 53	REX C. FARMER	18 MILES NORTH OF CASTAIC JUNCTION NEW RIDGE ROUTE
410A	S	81-13	2525	34 34 05	118 41 17	CAROLYN DURNFORD	7½ MILES NORTH OF CASTAIC, WEST SIDE OF HIGHWAY, NEW RIDGE ROUTE
411B	SP	16-11	170	33 59 20	118 04 58	C. W. ROBINSON	700 SOUTH PASSONS BOULEVARD, RIVERA
415	SA	4-30	125	33 47 49	118 10 03	GEORGE I. OSBORNE	SIGNAL HILL CITY HALL
416	SP	40-40	1170	34 11 28	118 09 28	C. C. CURTIS	2666 LINCOLN AVENUE, ALTADENA
417	SP 3"	41-05	742	34 08 56	118 05 42	MR. LEAMAN	150 NORTH VINEDO STREET, LAMANDA PARK
419	SA	61-92	5450	34 22 26	118 12 20	C. C. BREVIDORO	HEAD OF PACOIMA CANYON ON SANTA CLARA RIDGE, MT. GLEASON
420A	S	74-07	3100	34 25 20	118 11 52	C. C. BREVIDORO	3.3 MILES SOUTH OF ACTON ON MT. GLEASON TRUCK TRAIL
421B	SP	48-91	1178	34 17 03	118 24 28	WARD HINKLE	12559 FILMORE STREET, SAN FERNANDO VALLEY
422B	S	60-35	2200	34 20 50	118 21 53	B. K. WALSH	2¼ MILES ABOVE PACOIMA DAM IN PACOIMA CANYON
423	S	75-08	3920	34 24 56	118 04 28	EARL W. SCRIBNER	ALISO CANYON, 1.1 MILES BY ROAD FROM ANGELES FOREST HIGHWAY
425B-E	SA	54-39	1481	34 12 19	117 51 40	FLOOD CONTROL EMPLOYEE	SAN GABRIEL DAM #1 NEAR SPILLWAY
427	S	15-64	127	33 57 28	118 08 12	L. W. JORDAN	751 WEST FLORENCE AVENUE, DOWNEY
429	S	51-83	4460	34 15 43	118 06 43	R. O. NORTON	ANGELES CREST HIGHWAY, 0.8 MILE SOUTH OF RED BOX
430	S	70-57	1176	34 25 17	118 32 26	MR. HARVEY	SAUGUS, AT STATE HIGHWAY MAINTENANCE DEPARTMENT
431	S	26-48	150	34 00 53	118 21 18	J. M. DONOVAN	3870 SOUTH LA BREA AVENUE, BALDWIN HILLS
432	SP	52-89	2035	34 12 27	118 01 03	ED. WINDROW	SANTA ANITA CANYON, FERN LODGE
433	SA	51-69	1710	34 12 07	118 07 53	A. L. GOLDENBERG	FARNSWORTH PARK, ALTADENA
434	SA	34-46	800	34 07 57	118 45 08	L. A. CO. DORESTRY EMPLOYEES	MALIBU HEADQUARTERS, 1 MILE SOUTH OF VENTURA BOULEVARD ON CORNELL ROAD
435	SA	23-12	600	34 04 40	118 41 23	L. A. CO. FORESTRY EMPLOYEES	MONTE NIDO PATROL STATION, COLD CREEK NEAR MALIBU CREEK
436A	SP	49-13	1110	34 15 46	118 23 10	U.S.E.D. EMPLOYEES	HANSEN DAM - CONTROL HOUSE
436B	AP	49-04	1005	34 15 27	118 23 36	U.S.E.D. EMPLOYEES	HANSEN DAM - OFFICE
437	S	4-30	40	33 47 27	118 10 08	J. C. VIDMAR	HAMILTON BOWL, LONG BEACH
438	S	36-94	950	34 09 12	118 30 18	C. E. QUIRELLO	17151 OAK VIEW DRIVE, ENCINO
440B	S	63-97	5250	34 19 37	118 00 17	ARTHUR H. MILLS	CHILAO, U.S.F.S. CAMP
441-E	S	86-82	2662	34 34 31	118 06 53	JAMES R. NELAN	PALMDALE, COUNTY ROAD DEPARTMENT, MAINTENANCE YARD
442	S	78-53	3610	34 28 09	117 44 45	E. A. EBERLE	NEAR MESCAL CREEK ON FORT TEJON ROAD, NEAR LLANO
443	S	21-80	1725	34 05 50	118 48 55	W. A. BRANDENBERGER	JUNCTION LATIGO CANYON ROAD AND MULHOLLAND HIGHWAY
444	S	2-52	485	33 46 35	118 20 38	L. J. EAMOE	"ROLLING HILLS", PALOS VERDES HILLS
445B	SA	44-56	1510	34 08 02	117 44 38	FLOOD CONTROL EMPLOYEE	LIVE OAK DAM
446	SA	58-48	2367	34 19 00	118 33 27	CLARK MINER	5.5 MILES ABOVE DEVONSHIRE STREET IN ALISO CANYON
447	S	23-65	138	34 02 43	118 38 17	L. A. CO. FORESTRY EMPLOYEES	0.7 MILE FROM COAST IN LAS FLORES CANYON AT CO. F.S. PATROL STATION
449	8.81"	41-03	915	34 10 08	118 05 28	FLOOD CONTROL EMPLOYEE	EATON DAM, ALTADENA
451AB	S	69-83	1066	34 27 52	118 36 57	L. A. CO. FORESTRY EMPLOYEES	PATROL STATION, CASTAIC
452	S	38-05	637	34 08 25	118 23 40	W. N. THAYER	3817 MOUND VIEW AVENUE, STUDIO CITY
453	8.81"	40-21	1094	34 11 07	118 10 30	FLOOD CONTROL EMPLOYEE	DEVILS GATE DAM, PASADENA
454	S	26-86	200	34 02 13	118 19 08	W. J. WOOD	2210 3RD AVENUE, LOS ANGELES
455	S	99-61	2395	34 40 57	118 08 03	L. R. POTTER	LANCASTER, STATE HIGHWAY MAINTENANCE DEPARTMENT
456	S	102-54	2680	34 39 02	117 50 55	C. F. WILCOX	ANTELOPE VALLEY MUSEUM, 22 MILES EAST, 3 MILES SOUTH OF LANCASTER
457B	S	27-32	400	34 04 17	118 16 04	S. M. HANCOCK	432 NORTH LAKE STREET, LOS ANGELES
458	S	22-08	115	34 01 10	118 47 46	L. A. CO. FORESTRY EMPLOYEES	RODSEVELT HIGHWAY, EAST OF WALNUT CREEK, ZUMA PATROL STATION
460	S	76-65	4165	34 26 52	117 56 20	L. MATAY	PLEASANT VIEW MESA
461	SA	26-29	392	34 00 08	118 22 32	STANDARD OIL EMPLOYEES	1 MILE NORTH OF SLAUSON AVENUE, 1-1/8 MILE SOUTHEAST BALLONA CREEK
462	S	25-94	196	34 03 05	118 24 06	WILLIAM STEWART	HILLCREST COUNTRY CLUB, 10,000 PICO BOULEVARD, LOS ANGELES
463	S	25-78	92	34 00 49	118 25 32	LEO MINNICK	11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
464	S	51-40	3300	34 17 59	118 09 35	W. J. PHILLIPS	COUNTY DETENTION CAMP #5, ANGELES FOREST HIGHWAY
465A	SP	37-33	688	34 09 42	118 27 59	U.S.E.D. EMPLOYEES	SEPULVEDA DAM OFFICE
465B	AP	37-33	675	34 10	118 28	U.S.E.D. EMPLOYEES	SEPULVEDA DAM
466B	SA	60-54	3225	34 21 07	118 20 38	FLOOD CONTROL EMPLOYEE	PACOIMA CANYON, DUTCH LOUI CANYON
468-E	8.81"	50-77	1600	34 13 15	118 13 45	FLOOD CONTROL EMPLOYEE	PICKENS DEBRIS BASIN
470	SP AP	63-10	4600	34 23 19	118 05 26	F. C. EMPLOYEES	NEAR TIE CANYON DIVIDE, MILL CREEK, TUJUNGA
471	AP	60-98	2750	34 18 57	118 18 02	FLOOD CONTROL EMPLOYEES	GOLD CREEK TRUCK TRAIL, 1.2 MILES ABOVE WATTS RANCH, GOLD CREEK, LITTLE TUJUNGA
473	8.81"	72-64	2050	34 27 24	118 19 59	H. A. BLACKWELL	AQUA DULCE CANYON
474	SP	14-94	127	33-57 35	118 12 32	CHIEF J. C. GUTTING	8437 VICTORIA AVENUE, POLICE DEPARTMENT, SOUTH GATE
475	SP	70-48	1134	34 25 04	118 33 23	H. METCHER	NEWHALL LAND AND FARMING COMPANY OFFICE, SAUGUS
476B	S	34-06	828	34 07 27	118 47 43	H. J. RUESS	RUESS RANCH, ½ MILE ABOVE LOBO CANYON IN TRIUNFO CANYON

TABLE V

RAIN GAGE STATION LOCATION

SEASONS 1945-46-47

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
477	SA	53-16	4650	34 12 57	117 58 48	FLOOD CONTROL EMPLOYEE	SPRING CAMP AT HEAD OF EAST FORK - SANTA ANITA CREEK
478	SP	77-45	3715	34 26 44	117 51 02	U.S. FOREST RANGER	U.S.F.S. HEADQUARTERS, PEAR BLOSSOM HIGHWAY, VALYERMO
479	8.81"	41-78	367	34 06 50	118 01 32	R. H. GONTER	136 EAST LONGDEN AVENUE, ARCADIA
482	S	27-17	208	34 01 15	118 17 17	R. M. FOX	920 WEST 36TH PLACE, LOS ANGELES, CIVIL ENGINEERING BLDG., U.S.C.
484	SP	56-65	5100	34 14 54	117 38 20	GUNNER BLOMQUIST	ICE HOUSE CANYON RESORT
485	S	30-90	522	34 05 48	117 54 04	G. W. BURCH	743 WEST CYPRESS AVENUE, COVINA
486	SA	55-83	3865	34 15 49	117 42 38	J. W. WIDMAN	COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON
487	S	23-06	20	34 02 02	118 41 38	R. A. ALLEN	301 MALIBU HEIGHTS, MALIBU
488	8.81"	49-20	1450	34 17 47	118 22 29	L. A. CO. FORESTRY EMPLOYEE	DEXTER PARK, KAGEL CANYON PATROL STATION
489	S	23-40	1318	34 05 39	118 39 23	J. H. STUNT	IN COLD CREEK CANYON, 3.2 MILES ABOVE MONTE NIDO PATROL STATION
490	S	101-42	2472	34 40 46	117 57 06	FLETCHER WILEY	¼ MI. NORTH OF TIERRA BONITA (AVE. K) ON WEST SIDE OF 100TH ST. NEAR LANCASTER
491	S	24-75	313	34 02 47	118 31 28	OVERTON D. PETTIT	15224 SUNSET BOULEVARD, PACIFIC PALISADES
492	SA	63-98	5275	34 19 05	118 00 30	G. H. CUTTRISS	STATE HIGHWAY MAINTENANCE STATION NEAR CHILLAO
493	S	59-81	1780	34 23 15	118 24 42	GLEN SEELEY	2.7 MILES SOUTH OF SOLEDAD CANYON RD., 1/8 MILE WEST OF SAND CANYON ROAD
494	S	29-19	181	34 00 13	118 05 08	IRA D. CATE	145 COLUMBIA AVENUE, PICO
495	SA	27-54	335	34 03 55	118 15 38	FLOOD CONTROL EMPLOYEES	751 SOUTH FIGUEROA STREET, LOS ANGELES
496	S	21-45	750	34 02 47	118 51 02	JOE KINCAID	.3 MI. W. OF MOUTH OF TRANCAS CANYON AND ½ MILE NO. OF ROOSEVELT HIGHWAY
497	SP	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	FLOOD CONTROL EMPLOYEES	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL
499	8.81"	12-90	35	33 59 52	118 24 08	FLOOD CONTROL EMPLOYEE	4652 GLENWAY NEAR THOMPSON CREEK, CLAREMONT
508B	S	51-39	1220	34 12 32	118 10 10	U.S. FOREST RANGER	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S.
517	SA	77-18	4700	34 25 00	117 53 10	MRS. B. M. ANDERSEN	PALLETT CREEK, ANDERSEN RANCH (BURKHART RANCH)
529	SP 3"	S.B. CO.	720	34 00 35	117 41 14	HARRY ROBINSON	CENTRAL AND CHINO AVENUE, CHINO
530	SP	V-CO.	650	34 10 55	118 53 15	J. E. TRAYLOR	CONEJO RANCH, VENTURA COUNTY
534	SP 3"	V-CO.	530	34 24 03	118 54 09	RICHARD STEPHENS	FILLMORE, VENTURA COUNTY
542	SP	109-79	3050	34 42 15	118 25 40	L.A.W.D. EMPLOYEES	LOS ANGELES AQUEDUCT RESERVOIR, FAIRMONT
551	SP	V-CO.	10	34 08 38	119 12 38	U.S. LIGHTHOUSE SERVICE EMPL.	PORT HUENEME LIGHTHOUSE, VENTURA COUNTY
557	SP 3"	O-CO.	300	33 55 44	117 56 48	MR. BRAY	LA HABRA, CITRUS ASSOCIATION, 305 SOUTH HIATT STREET
565	AP	44-01	13	33 47 15	118 11 46	LONG BEACH CITY EMPLOYEES	16TH AND CHESTNUT AVENUE, LONG BEACH
566	SP	4-52	15	33 46 46	118 08 36	LONG BEACH CITY EMPLOYEES	10TH AND ROSWELL STREETS, LONG BEACH
571B	SP	4-53	15	33 45 41	118 08 30	LONG BEACH CITY EMPLOYEES	1ST AND PROSPECT STREETS, LONG BEACH
575B	SP	4-13	25	33 46 00	118 11 16	R. O. BALDWIN	ON ROOF OF CHAMBER OF COMMERCE BLDG., S.W. COR. ELM & OCEAN AVE.'S. LONG BEACH
577E	AP	27-54	417	34 02 43	118 14 59	U.S.W.B. EMPLOYEES	CENTRAL BUILDING, 6TH AND MAIN STREETS, LOS ANGELES
577F	AP	27-54	548	34 03 19	118 14 26	U.S.W.B. EMPLOYEES	FEDERAL BUILDING, NORTH SPRING STREET, LOS ANGELES
587	SP	45-22	2500	34 10 22	117 40 40	SO. CALIF. EDISON CO. EMPLOYEES	SOUTHERN CALIFORNIA EDISON COMPANY POWER HOUSE #1, MOUTH SAN ANTONIO CANYON
588B	S	51-87	4450	34 13 35	118 06 40	J. W. WURMSER	MOUNT LOWE IN GRAND CANYON
589	SP	44-25	1400	34 08 43	117 46 30	DR. BRUNIE	MOUTH OF SAN DIMAS CANYON, TOP OF HILL, EAST EDGE OF CANYON
593	SP	68-69	675	34 24 05	118 44 10	MR. MC GILL	NEWHALL RANCH, 3.1 MILES WEST OF LOS ANGELES - VENTURA COUNTY LINE
594B	SP 3"	58-61	1241	34 22 58	118 32 02	A. B. THATCHER	1300 NEWHALL AVENUE, NEWHALL
597	SP 3"	V-CO.	710	34 10 40	118 55 17	R. HECKMAN	NEWBURY PARK, VENTURA COUNTY
598	SP	107-91	3000	34 47 00	118 36 30	U.S.W.B.	NEENACH, NEAR WEST END ON LANCASTER-- BAILEY ROAD
610A	SP	40-73	980	34 10 04	118 07 21	MORRIS JONES	1250 NORTH HOLLISTON STREET, PASADENA
610B	SP	40-55	864	34 08 55	118 08 36	H. J. SIEVERT	CITY HALL, PASADENA
611	S	40-92	1052	34 10 34	118 06 23	W. ALLEN	1751 NORTH PEPPER DRIVE, ALTADENA
612	SP	51-39	1181	34 12 27	118 10 00	H. J. SIEVERT	CHLORINE PLANT, NEAR MOUTH ARROYO SECO CANYON
613B	SP	40-46	780	34 07 48	118 09 15	H. H. BURGESS	900 SOUTH PASADENA AVENUE, PASADENA
617	SP	32-23	870	34 04 03	117 46 23	J. E. ADAMSON	987 NORTH WEBER STREET, POMONA
618	SP	V-CO	980	34 16 43	118 43 18	J. M. FULLER	1 MILE WEST OF SANTA SUSANA, WOLFF RANCH, VENTURA COUNTY
619	SP	56-38	3200	34 12 50	117 40 10	SO. CALIF. EDISON CO. EMPL.	SIERRA POWER HOUSE, SAN ANTONIO CANYON, 5.0 MILES ABOVE 21ST STREET, UPLAND
623	SP	48-12	960	34 16 25	118 29 20	BERT HANNEMAN	16401 MISSION AVENUE, SAN FERNANDO
627	SP	42-94	750	34 09 20	117 54 28	D. C. RUDDELL	MOUTH OF SAN GABRIEL CANYON
629C	SP	3-27	40	33 43 15	118 16 17	U.S.W.B.	WAREHOUSE #1, LOS ANGELES OUTER HARBOR
634B	SP	25-08	88	34 00 40	118 29 26	MR. KOLESOFF	CITY HALL, SANTA MONICA
644	SP 3"	V-CO.	300	34 15 40	118 59 48	E. A. SNYDER JR.	SNYDER RANCH - SOMIS
647G	SP	50-03	1750	34 15 00	118 17 00	F. P. STEVENS	10600 MOUNTAIN AVENUE, TUJUNGA
650B	SP	45-25	1850	34 08 20	117 40 25	MR. BAIRD	1455 WEST 21ST STREET, UPLAND
656B	8.81"	49-83	1350	34 16 05	118 18 43	S. ZITLOW	10921 O'DELL AVENUE SUNLAND
660	SP	V-CO.	49	34 11 26	119 10 27	U.S.W.B. EMPLOYEES	OXNARD, VENTURA COUNTY
662	SP	9-27	71	33 49 28	118 10 14	CITY OF LONG BEACH EMPLOYEES	37TH AND GAVIOTO STREET, LONG BEACH
665	SP	V-CO.	275	34 21 00	119 04 04	BLANCHARD INV. CO. EMPLOYEES	BLANCHARD INVESTMENT CO., SANTA PAULA, VENTURA COUNTY
666	SP	9-23	50	33 51 37	118 10 43	CITY OF LONG BEACH EMPLOYEES	SOUTH AND LEMON STREETS, LONG BEACH
671B	SP	27-94	325	34 03 16	118 12 13	SO. CALIF. EDISON CO. EMPL.	1006 NORTH BREED STREET, LOS ANGELES, S.C.E. CO. SUB STATION
672	SP	40-14	1000	34 09 00	118 10 58	SO. CALIF. EDISON CO. EMPL.	7888 NORTH FIGUEROA STREET, EAGLE ROCK, S.C.E. CO. SUB STATION
673	SP	4-85	15	33 44 42	118 06 43	STATION OPERATOR	SEAL BEACH, LOS ANGELES POWER PLANT, SAN GABRIEL RIVER AT OCEAN
676	SP 4½"	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	1408 ONTARIO AVENUE, PASADENA
678	SP	40-32	1047	34 10 40	118 09 57	H. J. SIEVERT	SHELDON RESERVOIR, PASADENA
679	SPL. DIAL	30-27	310	34 01 15	117 58 37	H. I. MORRIS	533 9TH AVENUE, PUENTE, NORTH WHITTIER HEIGHTS CITRUS ASSOCIATION
680	SP	25-52	425	34 04 17	118 26 27	U.C.L.A. STUDENTS	U.C.L.A. CAMPUS, WESTWOOD
681B	SP	41-62	1052	34 10 20	118 01 54	U.S. FOREST EMPLOYEES	NORTH END SANTA ANITA AVENUE, ARCADIA
683	SP AP	51-58	2110	34 12 53	118 08 48	U.S.F.S. EMPLOYEES	SUNSET GUARD STATION BETWEEN MILLARD AND WEST RAVINE CANYONS
684	SP	41-65	518	34 08 47	118 01 58	U.S.F.S. EMPLOYEES	ARCADIA WAREHOUSE, U.S.F.S.
685B	SP 3"	40-59	557	34 06 10	118 08 34	N. F. MARSH	1934 MILAN AVENUE, SOUTH PASADENA
689B	SP6"	40-68	608	34 06 59	118 08 03	CARL V. COOPER	2814 CARLARIS ROAD, SAN MARINO
691	8.81"	45-14	2090	34 09 20	117 40 55	R. L. THOMPSON	SAN ANTONIO SPREADING GROUNDS
694B	SP	50-10	1500	34 17 25	118 17 17	U.S.F.S. EMPLOYEES	2.6 MILES FROM FOOTHILL BLVD. AT TUJUNGA CANYON GUARD STATION
695	SP	50-60	1850	34 17 22	118 13 38	E. G. ULRICH	TUJUNGA CANYON 7 MILES ABOVE FOOTHILL BOULEVARD
696	SP	41-21	1400	34 10 54	118 04 42	ROBERT CASAMAJOR	PASADENA GLEN
699	ACO	27-38	208	34 01 10	118 15 51	MR. HUNSTOCK	30TH AND TRINITY STREETS, LOS ANGELES
700	ACO	14-51	176	33 59 20	118 14 36	MR. HUNSTOCK	SLAUSON AND LONG BEACH AVENUES, LOS ANGELES
703	SP	39-54	603	34 09 02	118 14 29	P. T. MC INTYRE	3515 NORTH ADAMS, GLENDALE
705	SP 6"	60-87	2330	34 19 48	118 19 03	D. M. SHIFFER	CECIL B. DE MILLE RANCH, ALDER CREEK, LITTLE TUJUNGA CANYON
706	SP	15-92	155	33 58 42	118 06 08	W. H. WILLIAMS	HADLEY RANCH, RIVERA
707	SP	51-39	1325	34 12 17	118 10 01	ALFRED MILLARD	259 CANYON CREST ROAD, PASADENA
708	SP 5"	43-66	878	34 08 10	117 50 05	GEORGE CLARK	¼ MILE EAST OF VALLEY CENTER AVENUE AND FOOTHILL BOULEVARD, GLENDORA
715	SWB	27-64	280	34 03 00	118 14 00	U.S.W.B. EMPLOYEES	POST OFFICE TERMINAL BUILDING, LOS ANGELES
716	SCW	27-64	295	34 03 10	118 14 13	P. MC INTYRE	410 DUCOMMUN STREET, LOS ANGELES
718	SP	33-62	870	34 10 16	118 50 35	R. ROPER	1000 OAKS, VENTURA COUNTY
719	SP	42-54	785	34 09 01	117 56 47	G. L. NORTON	MADDOCKS RANCH, DUARTE
720	SP	46-44	1200	34 15 36	118 39 36	J. E. SMITH	EAST END SIMI VALLEY, VENTURA COUNTY
721	SP	104-66	2850	34 38 20	117 37 50	WALTER P. MALY	EL MIRAGE LAKE
722	A	98-77	2760	34 37 40	118 13 45	JOE GOODE	DEL SUR- GOODE RANCH
723	SP AP	37-46	835	34 08 23	118 27 33	L.A. CITY WATER DEPT. EMPL.	STONE CANYON, SOUTH OF SHERMAN OAKS
724	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.E.D. EMPLOYEES	BIRMINGHAM HOSPITAL, NEAR VAN OWEN AND BALBOA
726	S AP	51-16	2300	34 14 00	118 10 30	FLOOD CONTROL EMPLOYEE	ANGELES CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
727	SP	52-76	4160	34 14 00	118 01 40	U.S.F.S. EMPLOYEE	NEWCOMBS PASS
728	SP	60-93	3000	34 21 40	118 18 28	U.S.F.S. EMPLOYEE	PACOIMA CANYON BETWEEN NEEL AND GOOSEBERRY CANYON
729	SP	61-10	4464	34 23 40	118 17 00	U.S.F.S. EMPLOYEE	SANTA CLARA DIVIDE AT JUNCTION OF INDIAN CANYON & SANTA CLARA TRUCK TRAILS
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	40-30	1100	34 11 50	118 10 10	U.S.F.S. EMPLOYEE	OAK GROVE PARK, PASADENA
732	S	53-77	4150	34 13 30	117 55 15	FLOOD CONTROL EMPLOYEE	ON DIVIDE BETWEEN ROGERS CANYON & W. FK. SAN GAB. AT TOOL CABIN NEAR PINE MT.
733	S	51-94	5300	34 15 12	118 06 21	U.S.F.S. EMPLOYEE	1 MI. FROM RED BOX ON MT. DISAPPOINTMENT TRUCK TRAIL IN CLOUD BURST CANYON
734	SP	13-16	102	33 56	118 23	U.S.W.B. EMPLOYEE	MINES FIELD, 5901 W. IMPERIAL HIGHWAY, LOS ANGELES
735	AP	35-40	915	34 11 42	118 29 27	U.S.E.D. EMPLOYEE	PLATT RANCH, NEAR BELL CANYON
736	SP AP	55-09	3100	34 12 20	117 47 26	U.S.F.S. EMPLOYEES	BIG DALTON CANYON, VOLFE CANYON
737	SP	V-CO.	4000	34 35 07	119 19 02	FRANK FELT	WHEELER SPRINGS, VENTURA COUNTY
738	SP	V-CO.	150	34 16.8	119 09 00	R. E. BARRETT	SATICOY, VENTURA COUNTY

TABLE V

RAIN GAGE STATION LOCATION

SEASONS 1945-46-47

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV U.S.G.S.	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
739	SP	V-CO.	335	34 20 00	119 08 00	PACKING HOUSE SUPERINTENDENT	SANTA PAULA, VENTURA COUNTY
740	AP	45-00	5200	34 12 00	117 41 45	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, FERN CANYON
741	AP	44-60	2750	34 11 45	117 44 28	U.S.F.S. EMPLOYEES	SAN DIMAS CANYON, UPPER EAST FORK
742[8]	SP	29-00	430	34 05 44	118 05 57	FIRE DEPARTMENT PERSONNEL	DEL MAR NEAR MISSION STREET, SAN GABRIEL
743	A	55-29	3100	34 12 18	117 46 37	U.S.F.S. EMPLOYEES	BIG DALTON CANYON, BELL CANYON
746	SP	K-CO.	2620	35 03 00	118 10 00	MR. BACKUS	7 MILES SOUTH OF MOHAVE, BACKUS RANCH
747	SA	106-75	4517	34 45	118 44	U.S.W.B. EMPLOYEES	SANBERG AIRWAYS - TOP OF BALL MOUNTAIN
748	SA	58-50	1206	34 24	118 33	U.S.W.B. EMPLOYEES	NEWHALL AIRPORT
749	SA	38-50	699	34 12	118 22	U.S.W.B. EMPLOYEES	BURBANK AIRPORT
750	SA	100-18	2536	34 37	118 05	U.S.W.B. EMPLOYEES	PALMDALE AIRPORT
751	SP	7-86	80	33 50 00	118 18 58	FIRE DEPARTMENT PERSONNEL	TORRANCE FIRE DEPARTMENT
752	S	41-95	503	34 08 49	118 00 17	J. E. GEARY	428 W. LEMON AVE., MONROVIA
1000	S	87-38	3263	34 30 48	118 03 37	L. A. BONES	HUNT CANYON 1.0 MILE SOUTH OF FORT TEJON ROAD
1001	S	52-55	3070	34. 14 40	118 03 00	W. L. BURNS	WEST FORK GUARD STATION, SAN GABRIEL CANYON
1002	S	50-03	1605	34 16 03	118 17 50	NORMAN TANGUAY	7618 LE BERTHON STREET, TUJUNGA
1003	A	36-45	875	34 08 56	118 33 18	FLOOD CONTROL EMPLOYEE	3/4 MILE SOUTH OF VAN ALDEN DEBRIS BASIN
1004	S	23-02	470	34 04 47	118 41 57	RALPH ZIELKE	AT JUNCTION OF MALIBU CREEK AND COLD CREEK
1005	S	84-48	2350	34 30 47	118 21 31	R. E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS
1006	S	3-05	150	33 44 37	118 17 47	SAN PEDRO CITY EMPLOYEES	FIRST AND MEYLER STREET, SAN PEDRO
1007	S	64-25	5900	34 20 40	117 58 41	CLAUDE R. GRAFF	CAMP VALCREST, ANGELES CREST HIGHWAY, N.E. OF CHILAO
1008	SA	7-63	65	33 52 07	118 19 55	STATION OPERATORS	17680 YUKON AVENUE., S.C.E. CO. SUB STATION, L.A.
1009	S	71-66	1625	34 26 04	118 26 06	JAMES W. DYER	MINT CANYON, 1.7 MILES ABOVE SOLEDAD CANYON ROAD
1010	SA	44-93	2175	34 09 39	117 42 07	W. F. NUFER	PALMER CANYON
1011	S	2-54	1275	32 45 28	118 20 57	ROLAND SWAFFIELD	SAN PEDRO HILLS
X-3A	S	24-82	580	34 04 40	118 31 03	F. CHAPPELLET	2100 RUSTIC CANYON ROAD, RUSTIC CANYON
X-6	SA	36-86	1240	34 08 15	118 30 57	L. E. SWINNEY	.4 MILES SOUTH OF ENCINO RESERVOIR

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

S - - - - - STANDARD 8" GAGE UNLESS FOLLOWED BY NUMBER SHOWING DIAMETER. OWNED BY FLOOD CONTROL DISTRICT.
A - - - - - FLOOD CONTROL DISTRICT AUTOMATIC GAGE.
SP- - - - - PRIVATE GAGE OF STANDARD TYPE 8" DIAMETER.
SP 6" - - - PRIVATE GAGE OF STANDARD TYPE 6" DIAMETER.
SP 5" - - - PRIVATE GAGE OF STANDARD TYPE 5" DIAMETER.
SP 4½"- - - PRIVATE GAGE OF STANDARD TYPE 4½" DIAMETER.
SP 3" - - - PRIVATE GAGE OF STANDARD TYPE 3" DIAMETER.
DIAL- - - - GAGE REGISTERS CUMULATIVE RAINFALL ONLY.
8.81" - - - USES GLASS GRADUATE WITH SPECIAL HENSON TYPE COLLECTOR RING. (8.81" DIAMETER.)
SPL - - - - SPECIAL TYPE GAGE.
AP- - - - - PRIVATE AUTOMATIC GAGE.
-E- - - - - INDICATES EVAPORATION PAN AT STATION

QUAD INDEX NUMBERS

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

TABLE VI

75 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	94	94	77	79	93	85	77	84
74	152	152	149	150	148	150	149	150
75	119	119	81	86	119	100	82	97
76	165	165	122	128	165	143	123	140
77	34	27	27	25	33	17	17	23
78	135	122	136	123	129	63	63	99
79	72	56	72	68	66	37	37	54
80	123	107	124	122	120	120	131	123
81	78	66	77	73	76	58	61	68
82	61	57	66	66	63	77	79	70
1882-83	69	61	74	68	70	54	45	60
84	232	216	236	242	230	259	283	251
85	56	55	56	56	57	50	55	54
86	145	140	128	139	151	167	194	159
87	83	83	78	85	83	106	123	98
88	101	81	121	116	104	106	109	107
89	124	122	127	130	125	132	141	131
90	164	198	191	201	144	222	230	203
91	91	77	103	98	98	91	97	94
92	76	61	80	77	70	70	71	73
1892-93	155	136	151	146	132	124	122	136
94	48	38	55	50	46	46	48	48
95	104	110	120	119	101	90	59	94
96	59	51	53	53	55	50	106	66
97	121	111	107	107	109	101	57	96
98	49	41	56	45	42	23	34	39
99	44	27	43	31	37	28	33	34
00	60	51	55	56	58	47	82	61
01	103	104	113	101	100	109	95	103
02	70	57	63	62	71	53	60	61
1902-03	138	118	118	115	127	108	116	118
04	56	51	55	54	58	45	38	49
05	121	132	125	119	125	135	129	127
06	139	119	124	126	122	110	118	122
07	127	143	138	137	148	164	156	147
08	86	90	91	92	89	95	96	92
09	118	106	122	111	113	93	81	101
10	83	74	88	86	83	105	107	94
11	110	118	123	133	117	148	118	126
12	59	85	74	78	71	80	68	73
1912-13	74	86	74	78	73	86	75	78
14	143	161	160	160	146	151	142	150
15	132	129	118	110	132	155	134	132
16	137	126	137	138	131	115	107	124
17	93	92	93	90	93	80	66	83
18	93	111	89	103	111	106	95	100
19	69	69	67	70	78	67	72	70
20	74	79	90	93	76	81	77	81
21	96	106	97	97	97	90	83	92
22	122	138	134	172	119	157	127	142
1922-23	71	71	75	83	70	83	72	76
24	46	48	53	53	44	45	58	51
25	54	60	63	63	53	54	52	56
26	89	118	107	114	95	112	102	105
27	108	125	122	106	104	109	110	110
28	81	69	73	61	62	60	62	66
29	75	72	76	67	74	68	62	69
30	72	76	76	74	73	75	90	78
31	80	91	79	76	92	100	111	92
32	109	122	110	115	109	125	142	122
1932-33	73	76	67	65	74	79	73	73
34	75	94	97	73	91	63	43	68
35	131	122	122	121	118	130	149	131
36	76	78	76	70	87	71	48	68
37	142	143	143	140	149	144	136	141
38	141	148	144	155	152	147	143	147
39	122	118	99	101	114	120	136	118
40	92	96	78	73	99	76	76	81
41	219	235	199	183	227	225	224	215
42	82	77	69	70	80	81	88	80
1942-43	118	148	144	154	140	149	160	148
44	126	140	113	137	136	157	221	158
45	90	88	88	93	87	84	95	90
46	80	81	80	91	82	99	88	88
47	91	86	89	98	84	93	91	92
NORMAL RAINFALL	14.52	17.14	19.33	28.16	19.74	16.31	7.50	16.64
1945-46 RAINFALL	11.62	13.88	15.46	25.62	16.19	16.15	6.60	14.64
1946-47 RAINFALL	13.21	14.74	17.20	27.60	16.58	15.17	6.82	15.31
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

NOTE: *WEIGHTED AVERAGE INDEX OF AREAS

H-1S

LEGEND

- Flood Control Standard Gages.
- Flood Control Standard & Automatic Gages.
- Flood Control Standard Gage Active-Automatic Gage Inactive.
- Flood Control Automatic & Private or U.S Weather Bureau Standard.
- United States Weather Bureau Standard Gage.
- United States Weather Bureau Automatic Gage.
- Private Gage, Standard Type.
- Private Gage, Automatic Type.

210-B Capital Letters (A, B etc) Following a Station Number Denote Successive Locations of a Gage in a Locality.

258-b Lower Case Letters (a, b etc) Following a Station Number Denote Several Gages Operated Simultaneously by a Single Observer.

"E" At a Station Denotes a Flood Control Evaporation Tank.

SCALE

1 0 1 2 3 4 5 Miles

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

SEASON 1945-46

APPROVED BY H. E. Hedger 6/1/46 CHIEF ENGINEER

SUBMITTED BY Harley E. Hoover CHIEF-HYDRAULIC DIVISION

RECOMMENDED BY Paul Sorensen ASS'T. CHIEF ENGINEER

DATE 2-1-46

COMPILED BY R.E.L. CHECKED BY E.W.E. DRAWN BY R.W.P.

MAP I


LEGEND
Flood Control Standard Gages.
Flood Control Automatic Gages.
Standard Gages (other than F.C. Dist.).*
Automatic Gages (other than F.C. Dist.).
210B Capital Letters (A,B,etc.) Following a Station Number Denote Successive Locations of a Gage in a Locality.
258b Lower Case Letters (a,b,etc.) Following a Station Number Denote Several Gages Operated Simultaneously by a Single Observer.
"E" At a Station Denotes a Flood Control Evaporation Pan.
SCALE
PACIFIC OCEAN
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
LOCATION OF
ACTIVE RAINGAGES
AND
ISOHYETAL MAP
SEASON 1946-47
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF, HYDRAULIC DIVISION
RECOMMENDED BY
ASST. CHIEF ENGINEER
DATE
2-H 79
COMPILED BY R.E.L.
CHECKED BY R.W.R.
DRAWN BY R.W.R.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ISOHYETAL MAP
SHOWING
75 YEAR NORMAL (1872–1947) SEASONAL PRECIPITATION
FOR
LOS ANGELES COUNTY

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY _____ CHIEF, HYDRAULIC DIVISION

RECOMMENDED BY _____ ASST. CHIEF ENGINEER

DATE 2-1-80

DRAWN BY R.E.L. CHECKED BY R.W.R. INKED BY R.W.R.

MAP III

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for all active stations reporting to the District since the beginning of record. Past records of inactive stations are available in the District's files.

SUMMARY OF SEASONAL EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at District stations for the seasons 1945-46 and 1946-47.

	1945-46	1946-47
Maximum Seasonal Amt. - Big Tujunga Dam	100.00	81.96
Maximum Monthly Amt. - Palmdale	15.05 in August	
Maximum Monthly Amt. - Big Tujunga Dam		14.18 in July
Minimum Seasonal Amt. - San Dimas Dam	29.75	
Minimum Seasonal Amt. - Puente Hills		29.58
Minimum Monthly Amt. - Camp Singer	0.18* in February	0.04** in Jan.

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 VI presents monthly and seasonal evaporation data for all active stations during the seasons 1945-46 and 1946-47.

Table VII presents monthly and seasonal evaporation data for all active stations since beginning of record.

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

Evaporation tanks 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 receives each month records from 24 evaporation stations of which the District maintains 19. Fourteen of these stations are at the largest reservoirs; the remaining 10 are distributed throughout the District.

*WATER SURFACE OF PAN FROZEN FOR 21 DAYS.

**WATER SURFACE OF PAN FROZEN FOR 26 DAYS.

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

LENGTH OF RECORD

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

The District has 20 stations with records from 13 to 17 years in length.

EQUIPMENT

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

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

From 1929 to 1938* the District's land pans were set in the ground 34 inches with the water surface maintained at ground level, 2 inches below top of pan.

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

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

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*CHANGE IN SETTING WAS NOT MADE AT ALL STATIONS ON THE SAME DATE. THE APPROXIMATE DATE OF CHANGE IS DESIGNATED IN TABLE VII BY " A".

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

The Metropolitan Water District maintains 6-foot and 4-foot diameter land pans at Morris Dam from which the District receives records.

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

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

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	Date To
0.72	1929	" A" as shown in Table VII
0.81	" A"	October 1, 1946
1.00	October 1946	Date

Change of coefficients on dates shown are explained under " Equipment".

TABLE VII

EVAPORATION RECORDS IN INCHES

SEASONS 1945-46, 1946-47

1945-46

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
15	VAN NUYS WAREHOUSE	L-A48	2.23	1.61	1.03	1.77	1.30	2.85	3.73	3.93	6.15	7.12	6.77	4.83	43.36
23	CHATSWORTH	L-24	4.86	4.36	2.34	4.29	2.85	3.40	3.83	4.35	7.85	8.95	8.78	7.58	63.44
32	NEWHALL	L-24	5.81	4.54	2.82	4.16	2.78	3.78	4.99	5.41	8.76	9.25	9.55	8.00	69.85
33A	PACOIMA DAM	L-24	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.15
46D	BIG TUJUNGA DAM	L-24	7.88	5.68	3.50	6.40	4.44	4.56	5.54	7.00	12.30	13.75	14.78	13.15	99.98
57B	CAMP SINGER (OPID'S)	L-24	2.61	.83#	.42#	.32#	.18#	1.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.20#**
63	SANTA ANITA DAM	L-24	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.60	5.92	6.08	5.80	5.38	50.59
89	SAN DIMAS DAM	L-24	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
96	PUDDINGSTONE DAM	L-24	4.36	4.12	2.92	3.54	2.14	2.90	3.50	3.92	7.55	8.45	8.72	7.52	59.64
223B	BIG DALTON DAM	L-24	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.94
261	ACTON - MELLEN	L-24	5.94	4.56	3.13	4.42	3.59	4.28	5.72	6.98	11.23	11.96	12.76	9.70	84.27
265	PUENTE HILLS - WEISEL RANCH	L-24	3.08	2.04**	1.60**	1.54	1.42	1.90	2.38	2.86	5.42	6.34	6.34	4.86	39.78**
292	ENCINO RESERVOIR - F. C.	L-24	5.48	4.35	2.59	3.57	3.01	4.04	5.04	5.43	8.94	9.65	9.43	8.80	70.33
	" "	L-A48	5.23	4.17	3.11	4.54	3.53	5.19	5.50	5.60	9.24	10.57	10.65	9.12	76.45
	" "	F-36	4.43	4.28	3.05	3.70	2.67	3.59	4.53	5.54	7.88	9.02	9.48	7.11	65.28
293	LOWER SAN FERNANDO RESERVOIR	L-A48	6.98	7.08	5.44	7.18	4.95	5.76	5.94	5.92	8.80	10.13	9.69	8.58	86.45
321	PINE CANYON PATROL STATION - CO. FORESTRY	L-24	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
334	SAN GABRIEL DAM #2	L-24	4.74	2.90	1.66	3.02	2.10	2.86	4.53	5.34	8.68	9.41	10.10	7.81	63.25
	SAN GABRIEL DAM #2	F-30	4.48	3.28	1.70	3.08	1.98	INC.	R E S E R V O I R - D R Y						INC.
336	SILVER LAKE RESERVOIR	L-A48	3.87	4.07	2.85	4.31	2.89	3.80	3.90	4.36	5.74	6.22	6.21	4.74	52.96
347	BALDWIN PARK EXPERIMENTAL STA.-U.S.W.B.	L-A48	3.97	3.06	1.96	2.68	2.26	3.41	4.14	4.16	7.30	8.08	7.78	6.51	55.31
	" " " "	L-72	3.57	2.64	1.71	2.25	1.91	3.22	3.96	4.03	6.95	7.60	7.43	6.17	51.44
	" " " " -F.C.	L-24	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.36	7.42	58.22
	" " " "	L-24	4.15	3.09	2.03	2.47	2.04	3.47	4.15	4.59	7.95	8.60	8.99	7.28	58.81
390B	MORRIS DAM	L-72	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
	" "	L-A48	4.21	3.02	1.85	3.00	2.40	3.32	4.57	4.06	8.16	8.74	8.98	7.39	59.70
425B	SAN GABRIEL DAM #1	L-24	5.60	4.68	2.96	4.46	3.05	3.82	5.10	5.14	8.96	10.07	11.26	9.62	74.72
	" " " "	F-30	4.50	4.13	2.38	3.66	2.36	3.02	3.88	4.30	7.22	8.30	9.46	8.33	61.54
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24	5.84	3.52	2.91	3.12	2.88	4.88	5.90	8.92	12.68	14.16	15.05	10.15	90.01
468	PICKENS DEBRIS BASIN	L-24	3.29	3.55	2.01	3.73	2.08	3.30	3.14	2.35	6.05	6.97	8.50	7.00	51.97
	LOWER FRANKLIN RESERVOIR	F-30	4.23	4.07	2.43	2.87	1.81	2.20	2.52	3.33	4.68	5.52	6.37	4.98	45.01

1946-47

15	VAN NUYS - CITY WAREHOUSE	L-A48	3.15	1.32	.86	1.63	1.37	2.70	4.06	4.85	4.91	7.67	6.65	4.64	43.81
23	CHATSWORTH RESERVOIR	L-24S	5.10	2.90	1.74	2.86	1.55	3.14	4.82	5.30	5.80	9.30	8.10	6.75	57.36
32C	NEWHALL - SOLEDAD DIV. HDQRS. L.A. CO. FORESTER & FIRE WARDEN	L-24S	4.27	2.22	1.20	1.90	2.15	2.65	3.58	5.08	6.12	8.82	7.45	6.14	51.58
33A'	PACOIMA DAM	L-24S	6.87	4.34	4.33	5.58	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49
46D	BIG TUJUNGA DAM	L-24S	6.17	3.52	3.16	5.05	3.41	3.96**	5.88	7.52	8.12	14.18	11.12	9.87	81.96**
57B	CAMP SINGER (OPID'S)	L-24S	1.96	.40	.65#	.04#	.32#	1.20**	2.72	N.R.	N.R.	N.R.	N.R.	5.02	INC.
63B	BIG SANTA ANITA DAM	L-24S	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.68	3.40	7.84	6.28	5.16	47.72
89	SAN DIMAS DAM	L-24S	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
96	PUDDINGSTONE DAM	L-24S	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
223B	BIG DALTON DAM	L-24S	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80
261	ACTON- MELLEN	L-24S	5.80	3.02	2.14	3.02	2.74	3.42	5.10	7.85	8.32	11.87	10.34	8.47	72.09
265C	PUENTE HILLS - WEISEL RANCH	L-24S	2.39	.85	.61	.98	.74	1.60	2.66	2.38	3.22	5.68	4.91	3.56	29.58
292	ENCINO RESERVOIR - F. C.	L-24S	5.29	2.78	1.82	3.03	2.48	3.20	5.02	5.23	5.10	8.81	7.72	6.86	57.34
	" "	L-A48	6.56	3.56	2.48	3.92	3.33	4.62	6.56	6.41	7.13	11.75	9.80	8.94	75.06
	" "	F-36	5.64	2.96**	2.21	3.35	2.21	3.45	5.53	5.90	6.55	6.69	9.00	7.11	60.60**
293	LOWER SAN FERNANDO RESERVOIR	L-A48	7.93	5.48	5.02	6.83	4.27	5.12	6.92	6.63	6.96	12.45	9.81	8.50	85.92
321	PINE CANYON PATROL STATION COUNTY FORESTRY	L-24S	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	8.38	11.08	9.80	7.86	69.94
334	SAN GABRIEL DAM #2	L-24S	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
334	SAN GABRIEL DAM #2	F-30	RES. DRY	INC.	1.40	INC.									INC.
336	SILVER LAKE RESERVOIR	L-A48	4.51	2.44	2.35**	3.32	2.48	3.41	5.04	5.04	6.17	7.31	7.10	4.88	54.05**
347	BALDWIN PARK EXPERIMENTAL STA.-U.S.W.B.	L-A48	4.01	2.29	1.71	2.03	2.19	3.70	5.29	5.10	6.12	9.68	8.14	5.63	55.89
	" " " "	L-72	3.90	2.08	1.49	1.72	1.77	2.93	4.47	5.16	5.37	8.40	7.31	5.53	50.13
	" " " " -F.C.	L-24S	3.64	1.73	1.19	1.37	1.43	2.50	4.09	4.36	5.08	8.06	7.11	5.24	45.80
	" " " "	L-24	4.61	2.36	1.61	1.95	2.21	3.62	5.26	6.16	6.32	9.57	8.41	6.21	58.29
390B	MORRIS DAM	L-72	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
	" "	L-A48	3.94	2.20	1.69	2.50	2.38	3.14	4.99	5.65	6.47	10.72	8.58	7.57	59.83
425B	SAN GABRIEL DAM #1	L-24	6.16	3.22	2.62	3.85	2.98	3.83	5.64	7.18	7.74	13.67	11.20	10.75	78.84
	" " " "	F-30	5.89	3.00	2.23	3.00	2.10	2.80	4.56	5.66	6.30	10.56	8.94	7.54	62.58
	" " " "	L-24S	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24S	6.01	2.62	1.26	2.12	2.42	3.72	5.47	8.70	11.20	11.85	11.96	9.25	76.58
468	PICKENS DEBRIS BASIN	L-24S	3.14	2.14	1.52	2.68	1.88	2.44**	4.08	4.20	4.68	7.22	7.12	5.72	46.82**
1008	LA FRESA - S.C. ED. COMPANY	L-24S	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.94	4.26	42.83
	LOWER FRANKLIN RESERVOIR	F-30	4.70	2.82	1.86	DISCONTINUED									INC.

LEGEND

L-24-	LAND PAN 24" IN DIAMETER
L-24S	LAND PAN 24" IN DIAMETER SCREENED
L-A48	LAND PAN 48" IN DIAMETER, U.S.W.B. TYPE A
L-72	LAND PAN 72" IN DIAMETER
F-30	FLOATING PAN 30" SQUARE
*	ESTIMATED
**	PARTLY ESTIMATED
#	RECORDS INCOMPLETE, PARTLY FROZEN
INC.	INCOMPLETE
N.R.	NO RECORD

TABLE VIII

EVAPORATION RECORDS IN INCHES

MONTHLY AND YEARLY SUMMARY

FOR PERIOD OF RECORD

MONTHLY EVAPORATION AT VAN NUYS CITY WAREHOUSE

STATION #15

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	3.22	2.80	1.94	2.15	1.93	4.47	3.98	4.38	5.32	6.36	4.74	3.31	44.60
1931-32	2.34	1.99	1.30	1.50	1.18	3.21	3.62	3.76	4.50	4.68	4.20	2.32	34.60
1932-33	2.23	2.53	1.12	.88	2.08	2.89	2.34	3.99	3.82	4.19	3.26	2.28	31.61
1933-34	2.07	2.04	1.34	1.71	1.51	3.05	3.79	3.91	2.52	4.46	4.15	3.53	34.08
1934-35	2.44	1.71	1.34	1.23	1.53	2.41	3.69	4.33	4.71	5.87	5.75	4.12	39.13
1935-36	2.56	1.04	1.34	1.57	.90	2.86	3.70	4.93	5.09	5.42	4.84	3.45	37.70
1936-37	2.06	1.92	1.24	1.00	.91	2.13	3.88	3.15	4.07	5.44	4.35	3.16	33.31
1937-38	2.04	.90	1.17	1.43	1.07	2.01	2.66	3.89	3.35	4.73	4.11	3.34	30.70
1938-39	1.92	2.32	1.43	1.28	1.61	1.88	2.69	3.13	4.05	4.74	3.87	3.78	32.70
1939-40	2.11	1.26	1.30	.87	1.34	2.09	2.54	3.54	3.55	5.27	4.12	3.04	31.03
1940-41	.31	1.73	1.20	.87	.87	1.71	2.80	4.56	4.08	4.87	3.74	2.92	31.66
1941-42	2.05	1.57	.98	1.12	1.44	3.06	3.19	5.24	5.47	7.63	6.93	4.00	42.68
1942-43	2.72	1.64	1.21	1.25	1.32	1.78	3.30	5.54	5.67	6.65	6.47	5.18	42.64
1943-44	2.51	1.68	.82	.93	1.00	3.39	4.41	4.30	5.27	5.79	6.94	4.14	41.18
1944-45	2.24	1.08	1.00	1.05	1.46	1.96	4.76	5.17	4.18	6.54	6.10	4.70	40.24
1945-46	2.23	1.61	1.03	1.77	1.37	2.85	3.73	3.93	6.19	7.12	6.77	4.83	43.36
1946-47	3.15	1.32	.86	1.63	1.07	2.70	4.06	4.85	4.91	7.67	6.65	4.64	43.81
AVERAGE													37.36

MONTHLY EVAPORATION AT CHATSWORTH RESERVOIR

STATION #23

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.48	5.24	3.69	4.10	3.30	5.90	7.24	7.62	8.41	10.10	10.35	7.36	80.79
1932-33	7.66	7.60	4.31	4.69	5.42	6.60	5.70	8.06	8.30	10.02	9.52	6.92	84.80
1933-34	6.69	8.12	2.50	5.46	2.56	5.32	7.92	9.40	6.68	10.42	9.55	8.68	83.30
1934-35	6.42	3.84	3.73	3.13	4.32	2.84	3.67	4.90	7.02	10.20	9.85	8.42	68.39
1935-36	7.68	4.86	4.58	4.98	2.16	4.74	5.14	8.42	9.54	10.62	10.17	8.46	81.35
1936-37	6.10	6.70	3.46	2.82	2.44	4.28	6.12	5.46	6.98	10.08	9.75	8.88	73.07
1937-38	6.42	3.78	5.26	5.87	2.62	4.54	5.78	7.68	7.94	9.60	9.72	8.96	78.17
1938-39	6.64	7.48	4.20	3.46	3.83	3.18	5.04	7.32	8.90	10.22	9.94A	8.38	78.59
1939-40	7.47	3.64	3.42	1.96	2.67	3.70	4.62	7.59	8.20	11.35	10.12	7.68	72.44
1940-41	6.22	5.73	3.08	1.76	1.62	2.90	3.46	7.25	6.92	8.92	7.53	6.75	62.14
1941-42	5.34	4.38	2.48	3.28	3.20	5.16	3.48	6.34	7.75	10.54	9.08	6.96	67.99
1942-43	5.70	4.96	3.39	3.72	4.04	2.54	3.92	6.70	7.78	9.15	9.05	7.52	68.47
1943-44	5.54	5.55	2.72	3.92	2.41	5.50	5.02	5.22	6.08	7.98	9.76	7.15	66.85
1944-45	5.18	3.48	3.46	3.05	2.84	3.08	5.72	6.68	6.18	9.25	9.82	7.56	66.30
1945-46	4.86	4.36	2.34	4.29	2.85	3.40	3.83	4.35	7.85	8.95	8.78	7.58	63.44
1946-47	5.10	2.90	1.74	2.86	1.55	3.14	4.82	5.30	5.80	9.30	8.10	6.75	57.36

NOTE: "A" AUGUST, 1939. SEE LEGEND.

MONTHLY EVAPORATION AT NEWHALL

STATION #32

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.30												
1931-32	6.30	4.14	2.82	3.52	2.49	5.29	7.11	6.30	9.01	11.42	10.30	8.28	76.98
1932-33	7.16	6.32	3.84	2.30**	3.48	4.12	5.40	7.46	8.14	10.38	10.32	7.27	76.19
1933-34	6.36	5.74	2.30	3.60	2.44	5.34	6.63	8.36	5.90	9.84	9.60	8.38	74.49
1934-35	6.24	3.93	3.16	2.58	3.98	3.75	4.70	6.83	8.90	9.70	9.48	8.08	71.33
1935-36	7.00	4.03	3.76	3.70	2.63	4.90	4.95	8.56	9.37	10.14	10.26	8.46	77.76
1936-37	6.10	5.71	3.23	2.00	2.14	3.36	6.32	5.84	7.52	8.54	9.60	8.38	68.74
1937-38	6.80	3.88	3.52	3.54	1.75	3.58	5.16	6.99	6.56	9.32	9.18	8.18	68.46
1938-39	6.54	6.30	4.18	3.27	3.62	4.28	6.27	7.48	7.96	9.32A	9.57	8.40	77.19
1939-40	6.50	4.67	3.58	2.58	2.45	4.10	4.48	6.74	8.22	9.80	8.68	8.35	70.15
1940-41	6.90	5.24	2.62	1.28	1.20	2.65	3.62	6.72	6.79	8.30	7.22	6.52	59.06
1941-42	4.84	4.05	3.08	3.72	3.55	5.20	5.01	6.32	5.85	8.30	7.92	7.14	64.98
1942-43	4.72	4.78	3.45	2.79	2.86	2.86	3.56	5.84	6.36	7.06	7.97	7.74	59.99
1943-44	6.12	5.44	2.59	3.40	2.02	5.03	5.21	5.70	6.34	8.47	9.71	7.09	67.14
1944-45	5.44	3.40	3.57	2.82	2.68	2.36	5.32	7.02	6.87	9.88	9.40	7.92	66.68
1945-46	5.81	4.54	2.82	4.16	2.78	3.78	4.99	5.41	8.76	9.25	9.55	8.00	69.85
1946-47	4.27	2.22	1.20	1.90	2.15	2.65	3.58	5.08	6.12	8.82	7.45	6.14	51.58

NOTE: "A" JULY, 1939. SEE LEGEND.

MONTHLY EVAPORATION AT PACOIMA DAM

STATION #33

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.04	7.83	71.22
1932-33	7.29	7.81	3.36	3.42	4.32	5.64	4.94	5.72	6.21	9.12	8.10	6.74	72.67
1933-34	6.90	7.28	3.46	4.62	2.79	4.99	6.02	6.22	3.68	7.70	7.26	7.69	68.66
1934-35	6.20	3.74	3.33	2.28	3.12	2.78	3.16	3.80	4.72	6.78	7.42	6.66	53.99
1935-36	5.81	4.29	3.61	3.34	1.93	4.22	4.53	5.51	5.52	6.70	7.11	7.98	60.55
1936-37	5.56	5.65	3.08	.74#	1.94	3.82	5.40	3.92	4.85	7.17	6.58	6.99A	55.70
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	3.96	3.92	6.09	6.70	7.48	52.50
1938-39	6.75	5.90**	5.74	4.67	4.23	4.27	6.22	6.33	8.12	8.88	8.06	7.76	76.93
1939-40	8.75	6.84	6.18	2.96	3.41	4.87	4.68	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.80	2.36	3.93	3.79	7.15**	5.65	8.64	6.64	6.08	65.74
1941-42	5.74	6.41	3.39	4.74	4.16	5.86	2.96	5.96	6.72	8.19	6.82	6.40	67.35
1942-43	5.49	5.78	4.51	4.73	4.02	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.92	3.42	3.96	2.30	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.97	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.64	7.56	8.30	54.11
1945-46	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.16
1946-47	6.87	4.34	4.33	5.58	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49

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

MONTHLY EVAPORATION AT BIG TUJUNGA DAM

STATION #46B

below Dam in Canyon

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.00	3.30	.52	.48	.68	5.42	5.95	6.22	8.22	10.60	9.98	8.68	65.85
1932-33	7.08	6.40	2.68	2.12	3.90	5.38	4.94	5.85	8.48	10.85	9.32	7.88	74.87
1933-34	6.78	5.22	1.80	3.12	2.40	5.20	6.45	7.58	6.08	9.28	8.72	6.94	69.56
1934-35	5.32	2.83	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.18	3.88	1.65	.58	1.28	2.65	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42A	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.80	5.92	8.92	9.68	9.86	6.70	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.01	6.12	8.82	10.78	10.15	7.58	65.73
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	9.38	10.25	10.55	9.80	63.85

STATION #46CD

at Dam Crest

1941-42	6.86	6.92	2.76	4.20	4.30	6.69	4.08	8.02	9.42	15.06	13.82	12.12	94.27
1942-43	8.48	6.68	5.06	4.44	4.29	3.61	5.98	9.38	10.58	13.05	12.92	13.12	97.59
1943-44	9.35	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96•	5.88	7.92	8.12	14.18	11.12	9.87	81.96

NOTE: "A" NOVEMBER, 1937. SEE LEGEND.

MONTHLY EVAPORATION AT OPID'S CAMP

STATION #57

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	2.14	1.38#	1.78#	FROZ	FROZ	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17
1932-33	3.06	2.02	.26#	FROZ	FROZ	.01#	2.46	3.46	4.96	6.92	6.72	5.10	34.97
1933-34	2.98	8.55	.10#	2.05#	2.70#	.92	3.81	5.26	5.22	6.84	6.50	2.24	47.18
1934-35	1.71	1.20	.24#	.02#	.12#	.28#	1.82	2.62	4.48	5.58	5.32	4.20	27.59
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.66#	5.48	6.05	8.05	7.31	6.20	48.15
1936-37	3.89	2.29	.66#	FROZ	FROZ	1.32	2.95	6.04	8.34	10.66	11.21	7.91	55.27
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26
1938-39	2.25	1.84	.94	.24	FROZ	.78#	4.28	5.74	7.68	8.00	8.04A	3.84	43.69
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46
1940-41	2.55	1.10	.30#	.04#	.09	.79#	1.96	5.42	5.86	7.40	5.96	3.98	35.44
1941-42	3.21	2.90#	.12#	.34#	.24#	1.38	.78	4.79	6.60	8.56	6.78	5.86	38.95
1942-43	2.22	.57	.40	.14#	.12#	.86	2.40	5.28	6.20	8.22	7.93	6.02**	40.36
1943-44	3.08	1.68	.26#	.22#	.03#	1.52#	3.44	5.27	5.07	6.72	7.81	5.77	40.87
1944-45	2.87	.42	.42#	.06#	.40#	.32#	4.18	5.34	6.34	9.10	7.65	6.20**	43.30
1945-46	2.61	.82#	.42#	.32#	.18#	.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.19
1946-47	1.96	.40	.65#	.04#	.32#	1.20**	2.72	N.R.	N.R.	N.R.	N.R.	5.02	INC.

NOTE: "A" AUGUST, 1939. SEE LEGEND.

MONTHLY EVAPORATION AT BIG SANTA ANITA DAM

STATION #63

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	9.40	8.48	6.28	62.08
1930-31	6.98	6.29	5.99	3.56	2.45	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931-32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.62	6.97	7.36	8.36	8.32	7.74	71.25
1936-37	6.09	6.54	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.55A	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.37	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49.89
1941-42	4.82	5.20	2.40	3.10	2.85	4.22	2.28	3.94	3.42	6.33	5.22	5.46	49.04
1942-43	4.58	4.19	3.70	3.67	2.70	1.88	2.68	4.94	5.26	6.38	6.48	6.30	52.76
1943-44	4.77	4.92	2.17	2.61	1.77	3.42	3.70	3.67	3.37	5.48	6.92	5.02	47.82
1944-45	3.82	2.50	3.50	3.46	2.02	2.04	3.67	3.94	2.58	5.10	6.25	5.30	44.18
1945-46	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.60	5.92	6.08	5.80	5.38	50.59
1946-47	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.68	3.40	7.84	6.28	5.16	47.72

NOTE: "A" SEPTEMBER, 1937. SEE LEGEND.

MONTHLY EVAPORATION AT SAN DIMAS DAM

STATION #89

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	7.28	2.98	1.68	.64	.58	.65	.64	1.25	2.78	3.02	4.87	5.39	31.76
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1.54	.34#	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72A	48.68
1937-38	6.64	2.85	2.84	1.58	.48	.94	1.79	1.54	1.94	3.26	4.46	5.25	33.57
1938-39	3.88	4.46	1.68**	.60	.61	.60	.97	.98	1.82	5.70	4.88	3.94	30.13
1939-40	4.64	4.26	2.64	1.34**	.90**	1.70**	1.40**	2.58	4.48	7.00	7.75	7.80	46.49
1940-41	7.96	5.84	3.82	1.74	2.44	2.69	2.80	6.09	4.64	8.85	8.40	8.22	62.49
1941-42	5.74	4.96	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	.96	1.44	4.48	6.12	8.40	8.85	8.85	56.52
1943-44	6.02	3.70	1.52	1.35	.97**	1.02	1.40	2.85	4.36	6.28	7.35	5.50	42.52
1944-45	4.42	1.92	1.42	1.08	.66**	.45	1.92	1.85	3.52	7.65	7.82	7.20	39.91
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	39.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70

NOTE: "A" SEPTEMBER, 1937. SEE LEGEND.

MONTHLY EVAPORATION PUDDINGSTONE DAM

STATION #96

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	7.90	7.73	5.32	2.29	2.76	3.60	4.52	4.64	6.73	11.65	10.52	7.37	75.03
1930-31	7.43	3.30	5.24	3.25	1.67	5.78	5.27	5.86	7.29	10.17	9.16	8.66	73.08
1931-32	6.04	3.74	2.32	2.24	1.60	4.20	5.47	5.50	6.65	9.42	9.30	6.70	63.18
1932-33	6.53	6.76	3.38	3.30	3.88	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.18	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	9.84	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.82	64.07
1941-42	5.32	5.28	3.36	3.98	3.08	4.10	2.88	4.30	5.02	7.75	8.40	6.52	59.99
1942-43	6.08	4.30	3.72	3.38	3.30	2.95	3.78	5.68	7.25	8.72	7.38	7.42	63.96
1943-44	5.60	4.92	2.02	2.12	1.96	2.67	3.52	4.30	4.99	6.91	8.00	5.98	53.19
1944-45	4.52	2.60	3.16	2.55	2.08	2.06	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76

NOTE: "A" OCTOBER 1939. SEE LEGEND.

MONTHLY EVAPORATION AT BIG DALTON DAM

STATION #223

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.86	8.86	7.74	8.02	9.80	12.76	11.97	11.16	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.51	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.78	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80

NOTE: "A" SEPTEMBER, 1935. SEE LEGEND.

MONTHLY EVAPORATION AT MELLEN'S RANCH (near ACTON)

STATION #261

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.81	4.32	2.18	2.64	1.94	5.88	6.92	7.80	10.18	13.38	13.88	10.94	86.97
1932-33	7.89	6.49	3.13	3.04	4.42	6.26	6.86	7.10	10.19	12.78	12.29	10.08	90.53
1933-34	8.10	7.46	3.95	4.62	3.54	7.18	9.00	10.90	9.23	13.80	13.43	10.35	101.56
1934-35	7.71	4.56	3.92	2.94	3.99	4.01	5.38	8.02	11.80	13.00	11.67	10.24	87.24
1935-36	7.80	5.54	4.63	4.75	2.21	6.00	6.53	10.12	11.34	13.04	13.22	10.62	96.01
1936-37	8.96	6.74	3.51	1.80	2.66	4.35	6.36	7.62	9.94	13.26	13.54	10.58A	87.32
1937-38	7.92	4.62	4.30	4.36	2.35	3.24	5.62	7.32	9.26	11.86	11.62	9.51	81.98
1938-39	6.96	7.12	3.91	3.02	3.32	3.96	6.24*	8.02	10.77	12.50	13.09	7.59	86.50
1939-40	7.08	4.62	4.22	2.38	2.62	4.52	5.82	9.20	11.15	13.94	13.25	8.82	87.62
1940-41	6.64	5.28	3.56	2.30	2.10	3.57	4.22	8.32	9.60	12.22	10.32	9.04	77.23
1941-42	5.77	4.80	2.51	3.33	3.24	5.29	4.40	7.84	10.12	13.40	11.72	9.20	81.62
1942-43	6.78	4.63	3.74	3.46	3.54	3.16	4.94	8.58	9.16	10.51	10.88	9.33	78.71
1943-44	6.42	5.14	2.84	2.92	2.13	4.98	6.05	7.72	7.91	11.64	11.10	8.73	77.58
1944-45	6.77	3.34	3.86	3.27	2.70	2.92	5.81	8.30	8.63	12.68	11.90	9.02	79.20
1945-46	5.93	4.56	3.13	4.42	3.59	4.28	5.72	6.98	11.23	11.96	12.76	9.70	84.26
1946-47	5.80	3.02	2.14	3.02	2.74	3.42	5.10	7.85	8.32	11.87	10.34	8.47	72.09

NOTE: "A" SEPTEMBER, 1937. SEE LEGEND.

MONTHLY EVAPORATION AT PUENTE HILLS

STATION #265

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	4.72	3.22	1.84	1.16	.80	2.53	5.58	4.88	5.78	6.76	6.90	5.34	49.51
1932-33	4.50	4.90	2.32	2.26	3.06	3.20	3.73	4.95	5.53	6.50	6.30	5.21	52.46
1933-34	4.50	4.55	2.38	2.59	1.60	2.70	4.67	6.36	4.46	6.74	6.60	6.46	53.61
1934-35	3.87	2.11	1.52	1.46	1.84	1.60	2.60	4.08	5.19	6.86	6.92	5.26	43.31
1935-36	4.70	3.08	2.80	2.50	1.46	2.70	3.42	5.64	5.94	6.88	7.04	5.74	51.90
1936-37	4.16	4.28	2.24	1.62	1.26	2.30	3.41	4.10	5.53	6.42	6.76	6.12	48.20
1937-38	4.30	2.56	2.97	2.85	1.60	2.44	3.47	4.24	5.04	6.44	6.80	6.36	49.07
1938-39	4.58	4.48	2.63	1.74	2.52	2.75	3.30**	4.40**A	5.84	6.24	5.85	5.35	49.67
1939-40	3.90	2.46	1.64	.78	1.43	2.88	3.21	4.58	4.42	6.55	5.96	4.93	42.74
1940-41	3.66	2.47	1.38	.94	.44	1.84	2.54	4.76	4.50	6.01	5.32	4.34	38.20
1941-42	3.42	2.30	.97	1.63	1.76	3.61	2.36	4.68	4.14	6.84	5.72	3.80	41.22
1942-43	3.18	2.98	1.38	1.06	1.60	1.37	2.60	4.46	5.05	5.52	5.68	4.20	39.98
1943-44	2.74	2.81	.73	1.29	.94	2.54	3.44	3.54	3.94	4.86	5.57	3.82	36.22
1944-45	2.32	1.09	1.72	1.00	1.03	2.08	3.46	4.31	3.38	4.94	5.34	4.68	34.95
1945-46	3.08	2.04	1.60	1.54	1.42	1.90	2.38	2.86	5.42	6.34	6.34	4.86	39.74
1946-47	2.39	.85	.61	.98	.74	1.60	2.66	2.38	3.22	5.68	4.91	3.56	29.58

NOTE: "A" MAY, 1939. SEE LEGEND.

MONTHLY EVAPORATION AT TORRANCE

STATION #268

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.17	2.32	1.22	1.16	1.47	4.24	6.16	6.66	6.96	7.64	7.60	5.58	56.18
1932-33	4.32	2.52	1.61	1.18	2.08	4.12	4.94	7.10	6.10	7.03	7.32	5.43	53.74
1933-34	4.34	2.72	.98	1.10	1.16	3.78	5.58	8.01	5.93	7.89	7.81	6.64	55.94
1934-35	4.58	1.72	1.12	.40	1.84	2.80	3.96	6.06	6.06	8.15	7.61	5.88	50.18
1935-36	4.90	2.14	1.32	1.72	1.76	3.91	4.48	7.17	7.64	8.38	8.00	6.86	58.28
1936-37	4.70	2.31	1.16	1.00	1.41	3.96	5.52	6.04	7.32	8.49	7.70	7.11	56.72
1937-38	5.15	2.08	1.80	1.65	1.42	4.50	5.38	6.84	7.02	8.54	8.24	7.41	60.03
1938-39	4.88	3.03	1.24**	1.06A	2.39	3.16	5.22	6.40	7.34	8.25	7.60	7.54	58.11
1939-40	5.02	1.52	1.02	.91	1.34	3.68	5.34	6.88	6.54	8.62	7.94	6.60	55.41
1940-41	4.58	2.30	1.20	.75	.74	2.91	4.12	7.88	7.25	7.82	6.98	6.54	53.06
1941-42	4.64	1.84	1.22	.88	1.52	4.31	4.00	6.58	5.90	8.15	7.30	5.66	52.02
1942-43	4.07	1.48	1.26	1.11	1.27	2.70	4.13	6.59	7.13	7.51	7.60	6.26	51.11
1943-44	4.18	1.88	1.08	.92	1.08	4.10	5.48	5.32	6.28	6.75	7.14	5.24	49.45
1944-45	3.87	1.09	1.24	1.06	1.52	2.85	5.02	6.67	5.28	7.10	7.82	6.66	50.18
1945-46	4.40	1.94	1.14	1.64	1.28	3.61	4.14	4.80	7.70	8.16	7.94	6.46	53.21

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

MONTHLY EVAPORATION AT ENCINO RESERVOIR

STATION #292

(E.C. 2' land pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	7.58	7.50	3.84	4.93	5.30	7.19	7.07	9.39	9.14	11.39	10.79	8.06	92.17
1933-34	7.80	7.57	3.46	4.96	3.06	7.30	9.03	11.34	7.72	12.14	10.76	10.93	96.07
1934-35	7.84	4.51	3.80	2.71	4.29	3.94	5.58	7.26	8.98	11.90	11.98	9.56	82.34
1935-36	7.62	4.82	3.89	4.21	2.22	5.32	6.40	9.84	10.94	12.18	12.42	10.58	90.46
1936-37	6.75	6.88	3.48	3.32	2.58	4.25	8.38	7.69	9.44	13.42	11.56	10.58	87.34
1937-38	8.14	4.44	4.09	4.54	2.69	4.37	6.78	9.32	8.36	11.70	12.12	11.36	87.91
1938-39	8.26	6.68	3.95	3.18	3.89	4.18	7.79	8.46	10.48	12.07	11.73	10.68	91.36
1939-40	8.93	5.58	4.28	2.08	3.16**	5.28	7.06	9.46	9.28	13.70	10.91	9.90	89.62
1940-41	7.51	5.78	3.13	1.92	1.65	3.51	4.44	9.30	8.88	10.43	10.00	8.48	78.02
1941-42	6.85	5.66	2.19	3.20	3.76	6.66	4.80	8.84	9.36	11.78	10.02	7.61	80.73
1942-43	6.11A	4.86	3.40	3.52	3.36	3.35	5.66	8.68	9.48	10.29	10.81	9.98	79.50
1943-44	6.88	5.84	2.60	2.89	2.34	5.60	6.46	6.96	7.21	8.71	10.97	7.66	74.12
1944-45	5.64	2.90	3.47	3.46	2.90	3.24	6.60	8.19	6.66	9.56	10.89	8.84	72.35
1945-46	5.48	4.35	2.59	3.59	3.01	4.04	5.04	5.43	8.94	9.66	9.43	8.80	70.32
1946-47	5.29	2.78	1.82	3.03	2.48	3.20	5.02	5.23	5.10	8.81	7.72	6.86	57.34

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

MONTHLY EVAPORATION AT ENCINO RESERVOIR

STATION #292

(U.S.W.B. Type A Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	6.56	7.15	3.32	4.26	5.00	6.85	6.35	8.39	9.68	11.06	10.00	6.84	85.46
1933-34	6.79	6.66	2.94	4.70	2.41	6.32	7.43	9.50	6.36	10.75	9.41	8.83	82.10
1934-35	7.34	3.25	2.84	1.82	2.12	3.44	5.10	5.98	8.38	11.66	11.78	8.15	71.86
1935-36	7.04	3.77	3.24	3.94	2.59	4.68	5.74	8.51	9.67	11.17	11.06	9.40	80.81
1936-37	5.76	5.41	2.54	1.78	2.21	3.71	7.25	6.32	7.38	11.36	10.62	9.19	73.53
1937-38	6.73	3.30	2.99	3.47	2.09	5.39	5.99	7.78	8.28	10.39	10.78	9.30	76.49
1938-39	6.36	5.24	3.46	1.93	4.02	3.32	6.00	7.30	8.32	10.67	9.83	8.53**	74.98
1939-40	6.46	3.95	3.26	1.84	2.81	4.50	7.14	7.54	8.11	10.83	9.23	8.08	73.75
1940-41	6.73	4.21	1.92	1.53	1.12	3.33	2.80	7.82	8.02	9.66	8.22	6.98	62.34
1941-42	5.80	4.12	2.45	2.55	3.82	6.45	5.02	7.15	7.77	11.75	9.41	7.15	73.44
1942-43	5.92	4.64	3.89	3.47	3.73	4.08	5.79	8.16	8.97	10.04	9.87	9.53	78.09
1943-44	6.42	5.09	3.09	2.92	3.27	6.38	6.25	6.57	6.83	9.04	10.97	7.23	74.06
1944-45	5.81	4.03	3.41	3.32	3.24	4.09	7.10	7.69	6.87	9.87	9.75	8.98	74.16
1945-46	5.23	4.17	3.11	4.54	3.53	5.19	5.50	5.60	9.24	10.57	10.65	9.12	76.45
1946-47	6.56	3.56	2.48	3.92	3.33	4.62	6.56	6.41	7.13	11.75	9.80	8.94	75.06
AVERAGE													75.51

MONTHLY EVAPORATION AT ENCINO RESERVOIR

STATION #292

(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	6.25	5.41	3.39	3.66+	3.70	4.79	5.48	7.26	7.21	9.28	9.38	7.16	72.97+
1933-34	6.02	5.70	2.86	3.56	1.79	4.82	6.89	8.46	6.12	9.20	8.87	8.21	72.50
1934-35	6.53	3.38	2.90	1.64	2.17	2.63	3.62	5.60	7.19	8.98	8.86	7.28	60.79
1935-36	6.30	3.26	2.88	2.77	2.78	3.83	4.67	7.28	8.24	9.36	9.29	7.94	68.62
1936-37	5.45	4.63	2.92	2.09	1.96	3.20	6.40	6.20	7.03	9.38	8.51	7.61	65.38
1937-38	5.58	3.43	2.66	3.28	2.16	4.70	5.14	6.76	7.10	8.75	9.37	7.74	66.67
1938-39	6.26	6.00	3.17	2.01	3.52	2.87	4.92	6.31	7.22	8.80	8.90	7.45**	67.43
1939-40	6.38	3.91	3.12	1.85	2.30	3.95	6.50	6.96	7.19	9.81	8.47	7.63	68.08
1940-41	5.83	5.04	1.56	1.37	.90	2.35	2.50	6.97	7.35	8.73	7.44	6.89	57.02
1941-42	5.37	4.64	2.20	2.19	3.69	5.24	3.79	6.23	7.33	10.15	7.99	6.93	65.75
1942-43	5.20	4.69	4.32	2.71	2.77	3.25	4.46	7.21	8.56	9.08	9.29	8.64	70.18
1943-44	6.45	5.20	2.32	2.54	2.45	4.95	5.58	5.86	6.51	7.56	9.19	6.60	65.21
1944-45	5.25	3.59	2.95	2.61	2.53	2.81	5.56	6.87	5.89	7.71	8.38	7.50	61.65
1945-46	4.43	4.28	3.05	3.70	2.67	3.59	4.53	5.54	7.88	9.02	9.48	7.11	65.28
1946-47	5.64	2.96**	2.21	3.35	2.21	3.45	5.53	5.90	6.55	6.69	9.00	7.11	60.60
AVERAGE													65.88

MONTHLY EVAPORATION AT LOWER SAN FERNANDO RESERVOIR

STATION #293

(U.S.W.B. Type A Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	8.07	6.23	6.76	8.23	6.42	8.48	9.37	4.49	6.30	9.72	10.32	8.13	92.52
1932-33	8.64	13.02	6.02	7.13	8.20	8.09	6.57	9.35	8.63	10.52	9.53	6.02	102.32
1933-34	7.95	13.21	7.70	8.60	3.41	8.28	8.18	9.02	5.99	10 61	8.96	8.26	100.17
1934-35	7.16	5.20	5.99	4.75	5.60	4.90	5.27	6.22	7.76	10.07	9.87	7.47	80.36
1935-36	8.54	6.50	5.84	5.98	2.27	5.90	5.92	8.22	9.82	9.78	9.78	8.86	87.41
1936-37	6.83	10.20	6.21	3.26	5.91	6.34	8.25	6.11	8.11	10.50	9.19	8.18	90.09
1937-38	7.20	3.96	6.51	7.09	2.50	4.32	6.15	7.56	6.91	9.49	9.40	8.92	79.61
1938-39	6.01	9.88	8.16	6.26	5.18	4.61	6.87	7.64	9.00	10.01	9.85	10.37	93.84
1939-40	9.82	6.84	7.28	2.68	5.03	6.66	6.85	8.07	7.72	10.48	8.50	7.59	87.52
1940-41	8.13	7.93	5.33	3.54	.91	4.90	5.06	9.04	6.85	9.34	8.20	7.63	76.86
1941-42	7.08	8.13	6.09	5.84	4.86	7.55	4.74	7.99	7.99	11.15	9.12	8.33	88.87
1942-43	7.31	7.69	5.64	6.05	6.50	3.01	5.51	8.24	8.66	9.77	9.42	9.29	87.09
1943-44	6.74	8.15	4.46	5.97	2.52	8.59	6.98	6.05	6.48	8.88	10.50	7.92	83.24
1944-45	5.68	4.41	6.81	5.43	4.67	4.77	7.30	7.72	6.17	9.63	9.41	8.70	80.70
1945-46	6.98	7.08	5.44	7.18	4.95	5.76	5.94	5.92	8.80	10.13	9.69	8.58	86.45
1946-47	7.93	5.48	5.02	6.83	4.27	5.12	6.92	6.63	6.96	12.45	9.81	8.50	85.92
AVERAGE													87.69

MONTHLY EVAPORATION AT PINE CANYON

STATION #321

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.96	3.13	6.43	8.46	10.61	8.70	13.08	12.18	10.06	94.23
1934-35	6.51	3.63	3.19	2.80	3.39	3.71	4.85	7.20	14.08	12.45	10.52	9.84	82.18
1935-36	7.50	3.94	2.62	2.64	2.22	5.14	6.28	8.88	10.48	11.55	11.66	9.40	82.31
1936-37	6.44A	4.72	2.54	1.36#	1.68	3.10	5.60	6.72	8.48	12.05	10.78	8.08	71.55
1937-38	5.66	2.92	3.11	2.48	1.62	2.62	4.92	6.00	8.12	9.72	9.06	7.22	63.45
1938-39	4.53	3.78	2.56	1.71	2.52	3.56	5.04	6.71	9.36	10.28	9.72	6.45	66.22
1939-40	5.00	2.68	1.62	1.34	2.04	4.05	5.24	8.33	9.42	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1.19	1.22	2.91	2.92	6.68	7.74	10.06	9.54	7.55	59.01
1941-42	4.09	2.46	1.18	2.66#	2.65	5.00	5.06	8.30	11.77	14.08	11.96	9.05	78.26
1942-43	7.24	4.62	3.18	2.76	3.04	3.84	5.52	10.45	10.15	12.20	12.00	10.10	85.10
1943-44	6.88	4.88	4.57	3.00	3.79	5.47	6.28	7.88	8.15	12.32	12.82	10.92	86.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	6.36	11.08	9.80	7.86	69.94

NOTE: "A" OCTOBER, 1936. SEE LEGEND.

MONTHLY RECORDS AT SAN GABRIEL DAM #2

STATION #334

(LAND PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1935-36	7.18	4.13	3.05	2.92	1.42	4.32	4.60	6.16	9.82	11.70	11.51	10.00	76.81
1936-37	5.79	4.68	1.88	1.07	1.81	2.68	6.06	6.28	8.39	11.40	10.64	10.40	71.08
1937-38	7.92	4.95	3.64	3.17	4.92	3.08	5.46	6.88	8.98	11.86	11.74	10.66	83.26
1938-39	6.76	5.94	3.78	3.04	3.24	3.94	6.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23
1944-45	5.78	2.23	1.83	1.86	2.08	2.27	5.27	6.62	7.02	10.66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51

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

MONTHLY RECORDS AT SAN GABRIEL DAM #2

STATION #334

(Floating pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1936-37	NI	NI	NI	NI	NI	NI	NI	4.37	6.69	8.60	8.28	NR	INC.
1937-38	NR	NR	NR	NR	NR	INC.	4.30	5.16	6.02	8.07	INC.	NR	INC.
1938-39	NR	NR	NR	NR	INC.	2.20	INC.	NR	NR	NR	NR	NR	INC.
1939-40	NR.	NR	NR	INC.	1.97	3.90	4.24	7.36	8.50	10.36	INC.	NR	INC.
1940-41	NR	NR	1.78**	1.51	1.20	2.90	3.28	5.88	6.40	8.84	8.10	7.84	INC.
1941-42	3.91	INC.	1.11	1.50	2.07	3.40	3.32	6.14	7.62	10.41	9.42	INC.	INC.
1942-43	NR	NR	INC.	1.60	2.07	2.58	3.94	6.42	7.16	9.09	9.26	INC.	INC.
1943-44	NR	NR	INC.	1.73	1.60	3.97	4.80	6.06	5.91	8.47	8.94	6.47	INC.
1944-45	INC.	INC.	1.98	1.90	1.99	2.23	5.04	6.28	6.22	9.00	8.96	7.19	INC.
1945-46	4.48	3.28	1.70	3.08	1.98	INC.	NR	NR	NR	NR	NR	NR	INC.
1946-47	NR	INC.	1.40	INC.	NG	NR	NR	NR	NR	NR	NR	NR	INC.

MONTHLY EVAPORATION AT SILVER LAKE RESERVOIR

STATION #336

(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	4.89	3.89	1.69	3.43	1.83	4.30	5.63	5.55	6.27	7.19	7.52	5.59	57.78
1932-33	5.03	3.79	2.33	1.80	2.65	3.72	4.69	5.49	6.77	7.42	7.38	5.15	56.22
1933-34	4.51	3.89	2.31	2.74	1.73	3.72	5.12	7.04	5.47	6.95	7.02	6.06	56.56
1934-35	4.32	2.66	1.48	1.42	2.39	2.82	2.83	5.14	6.19	7.22	7.27	6.00	49.74
1935-36	5.34	3.13	2.09	2.02	1.20	3.37	4.23	6.36	6.72	7.36	6.84	5.92	54.58
1936-37	4.77	3.47	1.60	DRY	DRY	DRY	DRY	DRY	INC.	INC.	INC.	INC.	INC.
1937-38	INC.	INC.	INC.	2.43	1.50	4.00	4.60	5.83	6.15	7.22	7.93	6.06	INC.
1938-39	5.00	4.39	2.52	3.72	2.53	3.36	4.59	6.30	6.79	7.98	7.06	6.36	60.60
1939-40	6.24	3.59	2.63	1.35	1.96	4.01	5.05	6.38	6.52	7.58	7.29	6.16	58.76
1940-41	5.95	4.45	2.00	1.88	1.93	1.11	3.90	7.00	6.04	7.46	6.66	5.96	54.34
1941-42	4.78	3.43	2.25	2.06	2.91	4.21	4.55	6.06	5.56	7.74	6.83	5.93	56.31
1942-43	5.09	3.75	3.26	2.64	2.07	2.27	4.64	6.62	6.74	7.73	7.36	6.74	58.91
1943-44	5.19	3.88	1.75	2.33	2.70	3.93	5.29	5.22	5.92	6.80	7.40	5.68	56.09
1944-45	4.34	2.80	2.81	2.04	1.90	3.00	5.43	5.89	4.83	5.44	5.71	4.84	49.03
1945-46	3.87	4.07	2.85	4.31	2.89	3.80	3.90	4.36	5.34	6.22	6.21	4.74	52.96
1946-47	4.51	2.44	2.35**	3.32	2.48	3.41	5.04	5.04	6.17	7.31	7.10	4.88	54.05
AVERAGE													55.42

MONTHLY EVAPORATION AT BALDWIN PARK

STATION #347

(24" dia. Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1933-34	4.62	3.91	1.73	1.83	1.81	4.13	6.05	8.52	6.51	9.32	8.30	7.27	64.00
1934-35	4.26	2.66	2.23	1.70	2.64	2.90	4.07	5.70	7.12	9.13	8.57	6.41	57.39
1935-36	5.28	2.99	2.19	2.05	1.89	3.12	4.05	7.29	8.11	8.48	7.80	6.31	59.56
1936-37	4.50	3.41	1.90	1.29	1.98	3.34	5.00	5.11	7.17	8.96	8.48	7.36	58.50
1937-38	4.84	2.94	2.44	2.28	2.02	3.07	4.31	6.11	6.85	8.56	8.24	7.03	58.69
1938-39	5.14	3.91	2.49	1.91	2.74	2.93	4.68	6.34	8.25	9.04	8.30	6.95**	62.68
1939-40	4.65	2.97	2.37	1.23**	2.34	3.43	4.54**	6.54	6.99	9.13	8.21	6.96	59.36
1940-41	5.09	2.92	1.93	1.47	1.56	2.96	3.69	6.85	6.42	8.22	7.00	6.46	54.57
1941-42	4.71	3.07	1.78	1.73	2.03	3.80	3.29	5.77	6.17	9.11	8.19	6.25	55.90
1942-43	5.02	2.88	3.90	1.81	1.97	2.17	3.79	6.35	7.52	8.83	8.39	7.20	59.83
1943-44	5.17	3.71	2.04	1.59	2.22	3.40	5.09	5.94	6.18	7.93	8.69	6.03	57.99
1944-45	3.67	2.18	1.87	1.32	1.93	2.63	4.53	5.98	5.12	7.73	6.14	6.36	49.46
1945-46	4.15	3.09	2.03	2.47	2.04	3.47	4.15	4.59	7.95	8.60	8.99	7.55	59.08
1946-47	3.64	1.73	1.19	1.37	1.43	2.50	4.09	4.36	5.08	8.06	7.11	5.24	45.80
AVERAGE													57.34

MONTHLY EVAPORATION AT BALDWIN PARK

STATION #347

(F.C. 24" dia. Pan-L.A.C.F.C.D.)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.63	4.80	2.44	2.21	3.14	4.88	5.82	7.75	9.08	10.10	9.41	6.59	71.85
1933-34	4.99	4.05	1.74	1.72	1.62	4.33	6.36	9.06	6.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.84	5.82	6.04	8.32	10.17	10.21	8.21A	67.19
1937-38	5.09	2.98	2.33	2.50	1.95	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2.94**	4.61	6.50	8.57	9.06	8.46	7.14	63.96
1939-40	4.66	2.92	2.30	1.12**	2.26**	3.46	4.52	6.59	7.04	9.21	8.37	7.01	59.46
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.66	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	6.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.58	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.36	7.68	58.48
1946-47	4.61	2.36	1.61	1.95	2.21	3.62	5.26	6.16	6.32	9.57	8.41	6.21	58.29

NOTE: "A" SEPTEMBER, 1937. SEE LEGEND.

MONTHLY EVAPORATION AT BALDWIN PARK

STATION #347

(U.S.W.B. Type A Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.00	4.23	2.07	2.47	2.38	4.79	5.28	6.89	8.15	9.49	8.53	5.64	64.92
1933-34	4.80	4.14	1.86**	2.74	2.36	4.56	5.97	8.39	6.38	9.44	8.32	7.32	66.28
1934-35	4.43	2.49	2.21	1.94	2.94	3.20	4.45	5.92	7.48	9.40	8.82	6.66	59.94
1935-36	5.64	3.28	2.38	2.45	2.36	3.78	4.94	7.78	8.92	8.98	8.35	6.67	65.53
1936-37	4.78	3.85	2.00	1.46	2.37	4.02	5.77	5.25	7.78	9.07	8.22	7.13	61.70
1937-38	4.70	2.75	2.51	2.64	2.53	3.78	4.87	6.69	6.86	8.79	8.47	7.11	61.70
1938-39	4.67	3.57	2.61	2.01	3.18	3.38	4.98	6.34	8.32	8.94	8.53	7.47**	64.00
1939-40	4.88	2.90	2.39	1.50**	2.82	3.93	4.89	6.69	6.66	8.85	7.83	6.66	60.00
1940-41	5.01	2.98	2.34	1.88	2.07	3.63	4.29	7.48	6.51	8.41	6.91	6.12	57.63
1941-42	4.53	3.13	2.06	1.82**	2.73**	4.41	3.71	6.99	6.49	9.31	8.06	5.99	59.23
1942-43	5.06	3.73	2.21	2.26	2.80	2.65	4.27	6.74	7.46	8.89	8.55	6.98	61.60
1943-44	4.74	3.48	2.08	2.10	2.41	4.09	5.08	6.00	6.09	7.85	8.27	5.69	57.88
1944-45	3.83	2.32	2.25	1.74	2.39	3.36	5.09	6.07	5.21	7.93	5.93	6.02	52.14
1945-46	3.97	3.06	1.96	2.68	2.26	3.41	4.14	4.16	7.30	8.08	7.78	6.74	55.54
1946-47	4.01	2.29	1.71	2.03	2.19	3.70	5.29	5.10	6.12	9.68	8.14	5.63	55.89
AVERAGE													60.27

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

MONTHLY EVAPORATION AT BALDWIN PARK

STATION #347

(6' dia. Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	4.43	4.06	2.22	1.89	3.49	3.61	4.16	6.43	6.89	7.75	6.87	4.95	56.75
1933-34	4.01	3.11	1.36	1.58	1.55	3.57	5.03	7.23	5.43	7.78	7.11	6.04	53.80
1934-35	3.43	2.13	1.71	1.41	2.22	2.48	3.51	4.91	6.22	7.78	7.22	5.46	48.48
1935-36	4.60	2.62	1.84	1.77	1.70	2.93	3.81	6.49	7.26	7.54	7.04	5.60	53.20
1936-37	3.81	2.96	1.59	1.05	1.74	3.09	4.67	4.51	6.29	7.72	7.37	6.68	51.48
1937-38	4.11	2.32	1.96	1.99	1.72	2.99	3.97	5.42	6.04	7.43	7.13	5.96	51.04
1938-39	4.24	3.23	2.19	1.54	2.52	2.65	4.14	5.51	7.19	7.68	7.19	5.96**	54.04
1939-40	4.11	2.37	1.94	1.09**	2.16	3.06	3.90	5.68	5.96	7.76	6.88	5.80	50.71
1940-41	4.36	2.53	1.67	1.33	1.48	2.70	3.34	5.99	5.69	7.24	6.05	5.49	47.87
1941-42	3.91	2.58	1.35	1.52	1.77	3.47	3.06	5.89	5.54	7.87	7.23	5.28	49.47
1942-43	4.28	2.44	1.72	1.58	1.82	2.12	3.60	5.68	6.40	7.70	7.21	6.10	50.65
1943-44	4.17	2.93	1.69	1.40	2.60	3.16	4.47	5.30	5.78	6.94	7.53	5.04	51.01
1944-45	3.13	1.88	1.63	1.27	1.78	2.52	4.06	5.18	4.55	6.96	5.43	5.57	43.96
1945-46	3.57	2.64	1.71	2.25	1.91	3.22	3.96	4.03	6.95	7.60	7.43	6.39	51.66
1946-47	3.90	2.08	1.49	1.72	1.77	2.93	4.47	5.16	5.37	8.40	7.31	5.53	50.13
AVERAGE													50.95

MONTHLY EVAPORATION AT PALMDALE

STATION #351

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.34	4.60	3.11	2.86	2.10	6.50	8.11	10.67	12.70	16.61	17.14	13.02	104.76
1932-33	8.14	4.69	2.87	1.98	3.56	5.70	7.36	8.96	11.52	17.00	13.89	11.60	97.27
1933-34	8.72	4.95	2.69	2.79	3.68	6.29	9.30	12.70	12.34	16.16	15.64	10.95	106.21
1934-35	6.78	3.54	1.80	1.58#	2.64	3.86	6.76	10.72	15.54	16.36	13.40	11.72	94.70
1935-36	7.70	4.12	3.12	3.68	2.20	6.70	7.66	11.42	13.33	15.15	14.64	11.58	101.30
1936-37	6.98	4.45	2.56	2.08	2.44	4.06	6.22	9.92	12.08	15.96	14.76	10.96	92.47
1937-38	7.08	4.82	2.71	2.78#	2.38	4.32	6.48	11.12	14.62	15.77	14.18	10.02A	96.28

NOTE: "A" SEPTEMBER, 1938. SEE LEGEND.

STATION #441

1945-46	5.84	3.52	2.91	3.12	2.88	4.88	5.90	8.92	12.68	14.16	15.05	10.15	90.01
1946-47	6.01	2.62	1.26	2.12	2.42	3.72	5.47	8.70	11.20	11.85	11.96	9.25	76.58

MONTHLY EVAPORATION AT MORRIS DAM

STATION #390

(4' Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.04	5.18	3.16	2.87	2.88	6.40	6.19	6.98	7.79	10.37	9.13	7.60	74.59
1931-32	5.41	3.61	1.75	1.96	2.74	5.24	6.31	6.49	7.28	9.76	9.22	7.21	66.98
1932-33	6.30	5.66	2.32	2.54	3.80	5.60	5.36	7.36	10.00	11.60	10.69	7.99	79.22
1933-34	7.73	7.02	2.30**	3.54	2.54	5.47	6.10	8.65	6.17	10.37	8.99	7.97	74.85
1934-35	5.29	2.90	2.16	2.06	3.12	3.10**	3.84	5.10	7.42	9.16	9.07	7.04	60.26
1935-36	5.74	3.35	2.77	2.83	1.66	4.07	4.86	7.40**	8.36	9.12	8.86	7.20	66.22
1936-37	4.97	4.40	2.15	.82#	1.67	3.04	5.33	4.74	6.88	9.20**	9.17	8.03	61.42
1937-38	5.71	2.78	2.35	2.35	1.82	2.90	4.45	5.72	6.35	8.46	8.33	7.34	58.56
1938-39	4.38	3.94	2.40	1.88	2.35	2.70	4.34	5.64	7.88	8.66	8.63	6.65	59.45
1939-40	4.81	3.23	2.54	1.49	2.03	3.74	4.30**	6.54	6.97	9.80	8.63	6.92	61.00
1940-41	5.82	3.36	2.29	1.58	1.24	3.23	3.37	6.42	6.26	8.86	7.00	5.93	55.36
1941-42	3.98	3.13	1.54	1.88	2.34	4.14	3.37	6.46	6.72	9.62	8.15	6.40	57.73
1942-43	4.39	2.99	2.21	2.42	2.40	2.38	4.05	6.76	7.06	8.87	8.59	7.64	59.76
1943-44	4.97	3.61	1.64	1.79	1.60	3.91	4.37	5.50	5.27	7.68	8.76	6.34	55.44
1944-45	4.36	2.09	2.10	1.93	2.02	2.58	4.88	5.90	4.84	8.26	8.02	6.61	53.59
1945-46	4.21	3.02	1.85	3.00	2.40	3.32	4.57	4.06	8.16	8.74	8.98	7.39	59.70
1946-47	3.94	2.20	1.69	2.50	2.38	3.14	4.99	5.65	6.47	10.72	8.58	7.57	59.83
AVERAGE													62.59

MONTHLY EVAPORATION AT MORRIS DAM

STATION #390

(6' Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.33+	2.77	1.34	1.54	1.78	3.89	5.03	5.28	6.20	7.64	7.46	5.44	52.68
1932-33	5.02	4.28	1.90	1.92	3.07	4.21	3.77	5.62	7.36	8.53	8.11	6.17	59.96
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00#	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.68	7.61	6.84	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	6.58	56.84
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.06	3.58	3.10	5.90	6.35	8.72	7.69	6.07	53.38
1942-43	4.27	2.78	2.04	2.11	1.91	2.04	3.46	6.20	6.34	8.00	7.88	6.83	53.86
1943-44	4.79	3.40	1.54	1.56	1.42	3.28	3.73	5.10	4.98	7.32	7.96	5.86	50.94
1944-45	4.18	2.03	1.93	1.79	1.66	2.17	4.32	5.60	4.54	7.30	7.26	6.05	48.83
1945-46	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
1946-47	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
AVERAGE													55.17

MONTHLY EVAPORATION AT SAN GABRIEL DAM #1

STATION #425

(Land Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.24	3.51	1.31	1.69	2.02	4.14	5.44	6.05	7.16	8.90	9.76	7.69	62.91
1932-33	6.64	4.94	1.96	1.58	2.93	4.46	5.14	5.70	7.64	8.17	8.71	6.77	64.64
1933-34	6.35	4.90	2.14	2.31	2.10	4.81	5.61	5.93	7.59	9.81	8.36	7.06	66.97
1934-35	4.14	2.94	1.85	1.62	1.97	2.62	3.13	4.10	6.78	8.02	7.85	6.66	51.68
1935-36	5.28	3.13	2.42	2.16	1.40	3.64	4.06	6.15	7.35	7.92	8.48	7.62	59.61
1936-37	5.00	3.68	1.82	.95	1.76	3.18	5.19	5.02	6.76	8.12	8.42	7.74	57.64
1937-38	7.27	4.37	3.74A	3.40	2.27	2.56	5.08	6.76	7.13	9.42	10.03	9.93	71.96
1938-39	7.22	6.81	3.73	3.10	3.62	3.56	5.06	6.14	7.58	8.41	8.91	7.14	70.28
1939-40	6.70	5.21	4.08	1.96	2.34	3.74	3.64	6.09	6.19	9.88	8.91	7.34	66.08
1940-41	8.39	5.34	3.38	2.54	2.06	3.60	4.44	7.53	7.64	10.87	9.03	7.98	72.80
1941-42	6.56	5.34	2.50	2.80	3.42	5.03	3.81	7.24	7.31	10.81	9.80	8.68	73.30
1942-43	6.10	4.60	3.58	3.45	3.34	2.98	4.52	7.74	8.94	10.48	10.56	10.58	76.87
1943-44	7.36	6.47	2.80	2.82	2.36	5.08	5.54	6.74	6.98	9.86	11.74	9.16	76.91
1944-45	7.20	3.64	3.90	3.46	2.70	3.30	5.94	6.90	6.30	9.66	9.80	8.78	71.58
1945-46	5.60	4.68	2.96	4.46	3.05	3.82	5.10	5.14	8.96	10.07	11.26	9.62	74.72
1946-47	6.16	3.22	2.62	3.85	2.98	3.83	5.64	7.18	7.74	13.67	11.20	10.75	78.84

NOTE: FORMERLY AT STATION #758, EDISON INTAKE TO NOV. 1937.
1940 SUMMER AND FALL TOTALS LOW DUE TO WATERING OF LAWN AND SHRUBS NEAR PAN.
"A" DECEMBER, 1937, SEE LEGEND.

MONTHLY EVAPORATION AT SAN GABRIEL DAM #1

STATION #425

(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.78*	3.72	2.72	1.58	2.00	3.42	4.17	6.93	7.58	9.66	8.45	6.06	61.07
1940-41	5.32	3.65	2.08	1.92	1.52	2.48	3.42	6.94	7.00	8.70	7.95	5.96	56.94
1941-42	5.24**	4.26	1.88	2.30	2.98	4.57	3.32	6.46	6.56	9.22	8.04	6.09	60.90
1942-43	4.74	3.50	2.68	INC.	NR	NR	INC.	6.30	7.18	7.66	8.42	7.50	INC.
1943-44	5.34	4.47	1.89	2.04	1.46	2.81	4.32	4.92	5.85	7.54	9.18**	7.26	57.08
1944-45	5.42	2.70	2.82	2.72	1.80	1.92	4.18	5.28	4.73	6.96	8.15	7.86	54.54
1945-46	4.50	4.13	2.38	3.66	2.36	3.02	3.88	4.30	7.22	8.30	9.46	8.33	61.54
1946-47	5.89	3.00	2.23	3.00	2.10	2.80	4.56	5.66	6.30	10.56	8.94	7.54	62.58
AVERAGE 7 YEARS													59.23

MONTHLY EVAPORATION AT SAN GABRIEL DAM #1

STATION #425

(Screened Land Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAY.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61

MONTHLY EVAPORATION AT PICKENS DEBRIS BASIN

STATION #468

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1941-42	4.83	3.95	1.61	2.20	3.13	3.94	3.53	6.44	6.62	10.74	8.42	7.03	62.44
1942-43	5.59	3.72	2.80	2.86	2.54	2.12	3.86	7.41	8.81	9.38	9.05	9.42	67.56
1943-44	6.15	4.34	2.29	2.30	2.23	4.45	5.73	5.90**	5.94	9.19	8.00	7.15	63.67
1944-45	4.62	2.74	2.44	2.40	2.40	3.88	5.76	4.94	3.03	5.98	6.98	5.80	50.97
1945-46	3.29	3.55	2.01	3.73	2.08	3.30	3.14	2.35	6.05	6.97	8.50	7.00	51.97
1946-47	3.14	2.14	1.52	2.68	1.88	2.44**	4.08	4.20	4.68	7.22	7.12	5.72	46.82
AVERAGE													57.24

MONTHLY EVAPORATION AT LA FRESA - S.C.ED. CO. SUBSTATION

STATION #1008

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.94	4.26	42.83

MONTHLY EVAPORATION AT LOWER FRANKLIN RESERVOIR

(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.93	3.22	2.62	.72	.88	2.48	3.17	4.17	4.28	6.26	5.86	5.61	44.20
1940-41	4.84	4.40	1.59	1.51	3.63	2.07	4.41	4.85	4.69	6.03	5.09	5.22	48.33
1941-42	3.88	3.39	1.41	1.97	1.87	3.35	2.29	4.85	4.42	5.96	5.66	5.01	44.06
1942-43	4.12	3.59	2.24	2.35	2.29	2.08	3.21	4.89	5.08	5.68	6.10	5.66	47.29
1943-44	4.58	4.14	1.24	2.24	2.13	3.59	3.43	3.60	4.22	4.96	5.89	4.65	44.67
1944-45	3.69	3.11	3.01	2.10	1.71	2.45	3.61	4.49	3.71	5.17	6.38	5.98	45.41
1945-46	4.23	4.07	2.43	2.87	1.81	2.20	2.52	3.33	4.68	5.52	6.37	4.98	45.01
1946-47	4.70	2.82	1.86	DISCONTINUED									INC.
AVERAGE													45.57

LEGEND

INC. - - - - - - - -RECORD INCOMPLETE
#- - - - - - - - - -RECORD INCOMPLETE - PARTLY FROZEN
NR - - - - - - - - -NO RECORD
*- - - - - - - - - -ESTIMATED
** - - - - - - - - -PARTLY ESTIMATED
——— - - - - - -MAXIMUM OR MINIMUM MONTHLY AMOUNT FOR PERIOD
A- - - - - - - - - -PREVIOUS TO THIS DATE PAN WAS SET IN GROUND 34 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL (2 INCHES BELOW TOP OF PAN). AFTER THIS DATE PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT 3 INCHES BELOW TOP OF PAN, AT GROUND LEVEL. IN MOST CASES THIS WAS ALSO THE DATE WHEN THE NEW TYPE REFERENCE GAGE (POINT GAGE) WAS INSTALLED. BOTH OF THESE CHANGES REDUCED THE RATE OF EVAPORATION.

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

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the sixteenth annual or biennial report on runoff published since the inception of the Hydraulic Division (formerly the "Hydrographic Department") in April, 1927*. These reports cover 20 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 of dams, debris basins and spreading grounds.
3. Determination of the available water supply and conservation thereof by ground water replenishment.
4. Determination of the quantity of industrial and natural waste.

SUMMARY

Runoff during the 1945-46 and 1946-47 seasons was below normal throughout the District.

The storms of December 22 and 23, 1945; November 13 and 14, 1946 and December 25 and 26, 1946 produced peak flows for the seasons at practically all stations although in no case was the peak unusually high.

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

1. Drainage Areas and Stations

The Flood Control District operated 70 recording stream flow stations during the 1945-46 and 1946-47 seasons. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	24
San Gabriel River	21
Rio Hondo	16
Ballona Creek	2
Santa Monica Mountains - Coastal	3
Santa Clara River	2
San Antonio Creek	1
Antelope Valley	1
Total	70

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

*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.

II. Types of Channels

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

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

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	17	Continuous
H.C.F.*	38	Continuous
Stevens (Type A)	2	Continuous
Stevens (Type L)	8	Weekly or Daily
Rational (horizontal)	6	Weekly
Friez	1	Continuous
Total	72	

IV. Records of Recording Streamflow 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 2256 measurements taken by the District during 1945-46 and 2478 taken during 1946-47 at 70 recorder stations.

*THE H.C.F. RECORDER WAS DESIGNED AND DEVELOPED IN THE DISTRICT'S HYDRAULIC DIVISION INSTRUMENT SECTION TO FURNISH A MEDIUM COST, ACCURATE AND DEPENDABLE CONTINUOUS WATER STAGE RECORDER.

(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 streamflow 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 streamflow measurements at these stations. During the seasons covered by this report, 408 such measurements were taken. The U.S.G.S., in turn, publishes the records of 23 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Staff Gage Station Measurements

Records of 1142 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 25 years is included on page 311.

VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1171 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 nine streams. These are tabulated by streams.

IX. Summary of Complete Records

Beginning on page 323 of this report is a complete summary of the

annual runoff in acre feet, mean yearly runoff and extremes for each year of record on all the stations at which the District has kept records. Mean daily flow for period of record is shown for stations with more than ten years of continuous record and no appreciable regulation.

X. Limitations

Occasionally, incomplete recorder records occur at certain stations. Flows for periods of incomplete record were estimated by various methods. In general, estimates were made by comparison with other flow records and rainfall or by interpolation between known or 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	Name
1A	G. H. Middleton, assisted by F. E. Stunden
2	C. L. Brewster, assisted by F. Smith*
1B & 3	T. E. Moon, assisted by W. A. Rockenmeyer*
4	E. S. Bonadiman, assisted by A. P. Kasimoff & J. H. Lang
5	C. E. Bollinger, assisted by J. Paull
6	R. A. Waddicor, assisted by J. A. Ocampo*
7 & 8	L. J. Turner, assisted by S. E. Blakely & M. V. Pardieck*
9 & 10	J. W. Luce, assisted by F. E. Wright*

Note: District 2A was formed in February 1947 with R. A. Waddicor in charge and District 6 was placed in charge of S. E. Blakely. (District 1B was divi-

*OPERATION AND MAINTENANCE DIVISION PERSONNEL.

ded among Districts 2, 2A and 3.) Prior to 1946-47, District 7 was assigned to J. W. Luce in addition to Districts 9 & 10.

The field work, compilation of the records, and preparation of the report for 1945-46 and 1946-47, was under the immediate supervision of H. A. van der Goot assisted by W. E. Cole and F. H. Mellen.

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

COOPERATION

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

LEGEND

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

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

Prefix E - indicates stations owned and operated by the U. S. Engineer Department.

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

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

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

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

Suffix R - indicates a recorder station.

Suffix S - indicates a staff gage station.

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

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

" a" - No gage height record due to recorder or clock failure.
" b" - No gage height record due to obstructed communication or sanded well.
" c" - Gage height record affected by backwater.
" d" - Gage height record doubtful.
" f" - Gage height record partly estimated. (Estimated part represents less than 75% of the flow; otherwise, a, b, c, or d is used.)
" v" - Gage height-discharge relation failed due to extreme and undetermined shift or unusual drawdown in stilling well.

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

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

ACCURACY

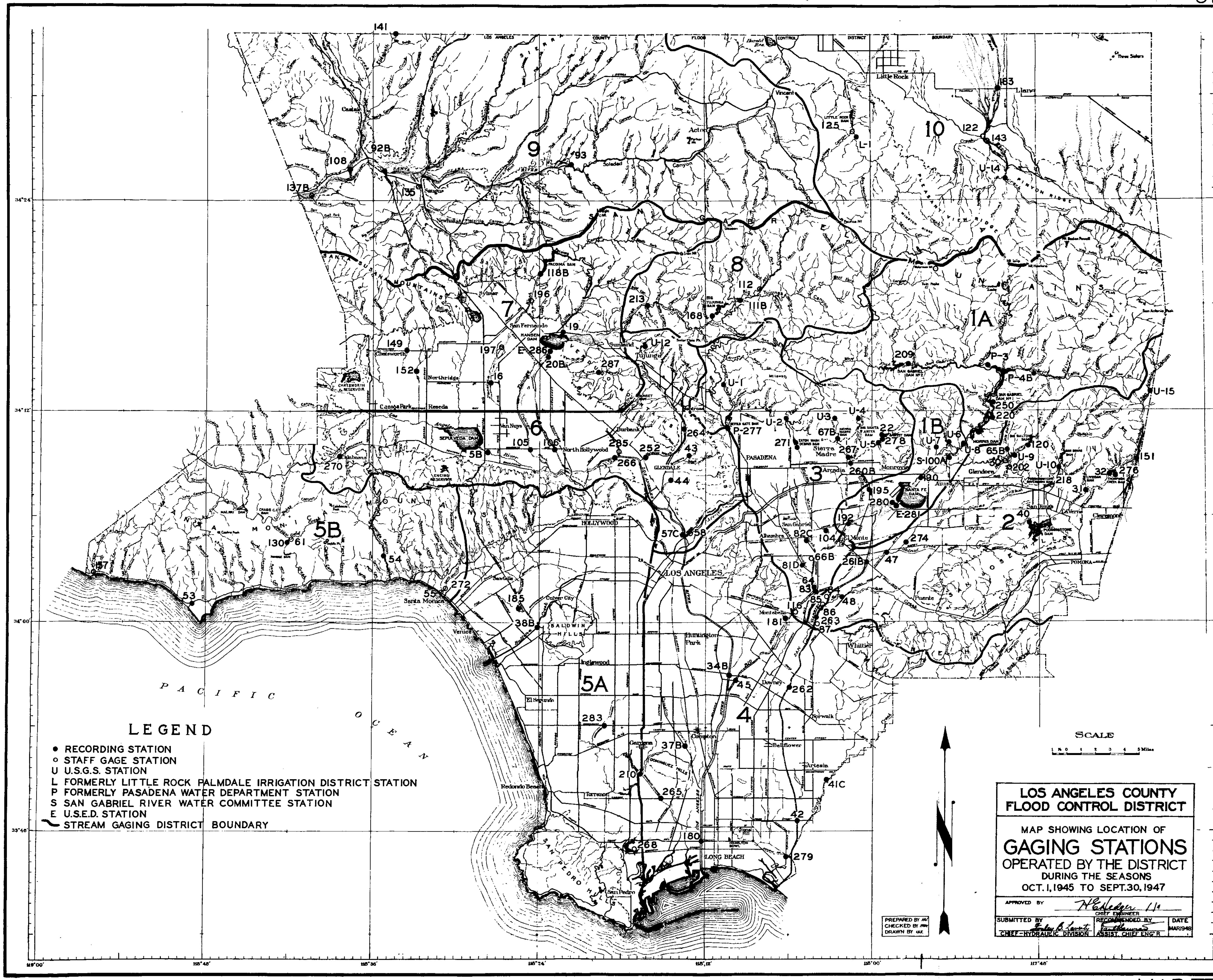
The legend used in plotting the hydrographs has the following significance:

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

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

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

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


LEGEND
• RECORDING STATION
○ STAFF GAGE STATION
U U.S.G.S. STATION
L FORMERLY LITTLE ROCK PALMDALE IRRIGATION DISTRICT STATION
P FORMERLY PASADENA WATER DEPARTMENT STATION
S SAN GABRIEL RIVER WATER COMMITTEE STATION
E U.S.E.D. STATION
STREAM GAGING DISTRICT BOUNDARY
SCALE
5 Miles
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
MAP SHOWING LOCATION OF
GAGING STATIONS
OPERATED BY THE DISTRICT
DURING THE SEASONS
OCT. 1, 1945 TO SEPT. 30, 1947
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF-HYDRAULIC DIVISION
RECOMMENDED BY
ASSIST. CHIEF ENG'R
DATE
MAR 1948
PREPARED BY
CHECKED BY
DRAWN BY
PACIFIC OCEAN
LOS ANGELES
PASADENA
LONG BEACH
HOLLYWOOD
GLENDALE
SANTA MONICA MOUNTAINS
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
1A
1B
2
3
4
5A
5B
6
7
8
9
10
34°24'
34°12'
34°00'
33°48'
118°48'
118°36'
118°24'
118°12'
118°00'
117°48'

MAP IV

STATION F81D-R
ALHAMBRA WASH near Short Street

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

ABANDONED STATIONS 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F81-R: JANUARY 14, 1930 TO SEPTEMBER 30, 1934.
AT STATION F81B-R: OCTOBER 1, 1934 TO FEBRUARY 25, 1935.
AT STATION F81C-R: FEBRUARY 25, 1935 TO APRIL 27, 1936.
AT STATION F81B-R: APRIL 27, 1936 TO MAY 22, 1936.
AT STATION F81D-R: SEPTEMBER 2, 1936 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-46
MAXIMUM 1600 SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW AT VARIOUS TIMES.
1946-47
MAXIMUM 3810 SECOND-FEET, NOVEMBER 13.
MINIMUM 0.1 AT VARIOUS TIMES.
1929-1947 (STATIONS F81-R, F81B-R, F81C-R, F81D-R)
MAXIMUM 4,890 SECOND-FEET, JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD. FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS

OPERATION: LOCATED, OPERATED AND RECORDER HOUSE CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT; THE STILLING WELL AND COMMUNICATION CHANNEL WERE CONSTRUCTED BY THE U.S. ENGINEER DEPARTMENT.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH near Short Street, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	1.4	0.3	0.6	0.4	0.9	0.2	1.4	0.6	0.6	1.1	1.6
2	0.4	1.4	0.2	0.8	0.3	0.4	26	0.9	0.4	0.9	1.1	1.6
3	0.9	0.9	0.1	2.3	123	0.2	0.4	1.1	0.9	1.1	0.9	1.6
4	0.6	0.6	0.6	0.9	1.4	0.4	0.3	0.6	1.1	0.9	0.6	1.6
5	0.9	0.9	0.6	1.1	0.6	0.4	0.3	0.4	1.1	0.9	0.9	1.6
6	1.1	7.5	0.6	0.4	0.6	0.4	3.6	0.9	1.1	0.9	1.1	1.6
7	0.6	1.1	0.3	0.4	1.1	1.1	0.3	1.1	1.1	0.9	1.6	1.4
8	0.6	1.1	0.2	0.3	0.6	1.2	0.3	1.4	1.1	0.9	1.4	0.9
9	0.4	0.9	0.2	0.1	0.3	1.1	0.3	0.9	0.6	0.9	1.6	0.9
10	0.4	0.6	0.1	0.1	0.2	0.2	0.3	1.4	0.6	1.1	1.1	1.1
11	0.4	0.3	4.9	0.3	0.3	0.3	0.3	0.6	1.1	0.9	0.4	1.4
12	0.6	0.2	0.1	0.2	0.3	1.1	0.4	0.4	1.1	1.1	0.9	1.4
13	0.6	1.1	0.1	0.2	0.3	12	0.4	0.6	1.4	0.6	0.9	1.1
14	0.6	0.6	0.9	0.3	0.2	1.4	0.4	0.9	1.8	0.4	0.9	1.1
15	0.4	0.9	0.6	0.3	6.3	1.6	0.4	1.1	1.1	0.4	1.1	1.1
16	0.9	1.1	0.3	0.3	0.3	0.6	0.4	1.1	0.6	0.6	1.6	1.1
17	1.1	0.4	0.3	0.3	0.1	0.3	0.4	1.4	0.9	0.9	1.1	1.1
18	1.1	0.2	0.4	0.4	0.3	0.4	0.6	1.6	1.1	0.9	1.4	0.9
19	1.1	0.4	0.4	0.4	0.3	75	0.9	0.4	1.4	0.4	1.6	0.9
20	1.4	0.4	0.4	0.3	0.4	27	0.6	0.9	1.4	0.4	1.6	1.8
21	0.9	0.4	174	0.3	0.4	0.4	0.3	1.1	1.1	0.4	1.1	2.1
22	0.9	0.2	342	0.3	0.4	0.3	0.4	1.1	1.1	0.4	1.4	1.4
23	1.4	0.9	125	0.3	0.4	0.3	1.1	1.1	1.1	0.6	1.4	1.6
24	1.1	0.2	1.4	0.3	0.3	0.1	0.9	1.1	1.1	0.9	1.4	1.6
25	1.4	0.2	2.9	0.6	0.6	0.2	1.4	0.6	1.6	0.4	1.4	1.6
26	1.1	0.3	0.6	0.3	0.6	0.2	0.9	0.6	1.4	0.6	1.4	1.6
27	0.9	0.4	0.6	0.3	0.9	0.3	0.4	0.9	1.1	0.4	1.6	1.6
28	0.6	0.6	0.6	0.4	0.6	37	0.3	0.9	1.6	0.4	1.6	1.1
29	16	2.0	0.6	0.6		59	0.6	1.4	1.1	0.6	2.1	1.1
30	12	0.4	0.4	0.4		179	1.1	1.1	0.9	0.9	2.3	1.4
31	1.4		0.4	0.9		1.8		0.9		1.1	2.1	
	521	276	6601	147	1415	4046	442	299	326	224	407	409
MEAN	1.68	0.92	21.3	0.47	5.05	13.1	1.47	0.96	1.09	0.72	1.31	1.36
ACRE-FEET	103.	55.	1310.	29.	281.	803.	88.	59.	65.	44.	81.	81.

Remarks:

YEAR OR PERIOD MEAN 4.14
ACRE-FEET 3,006

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

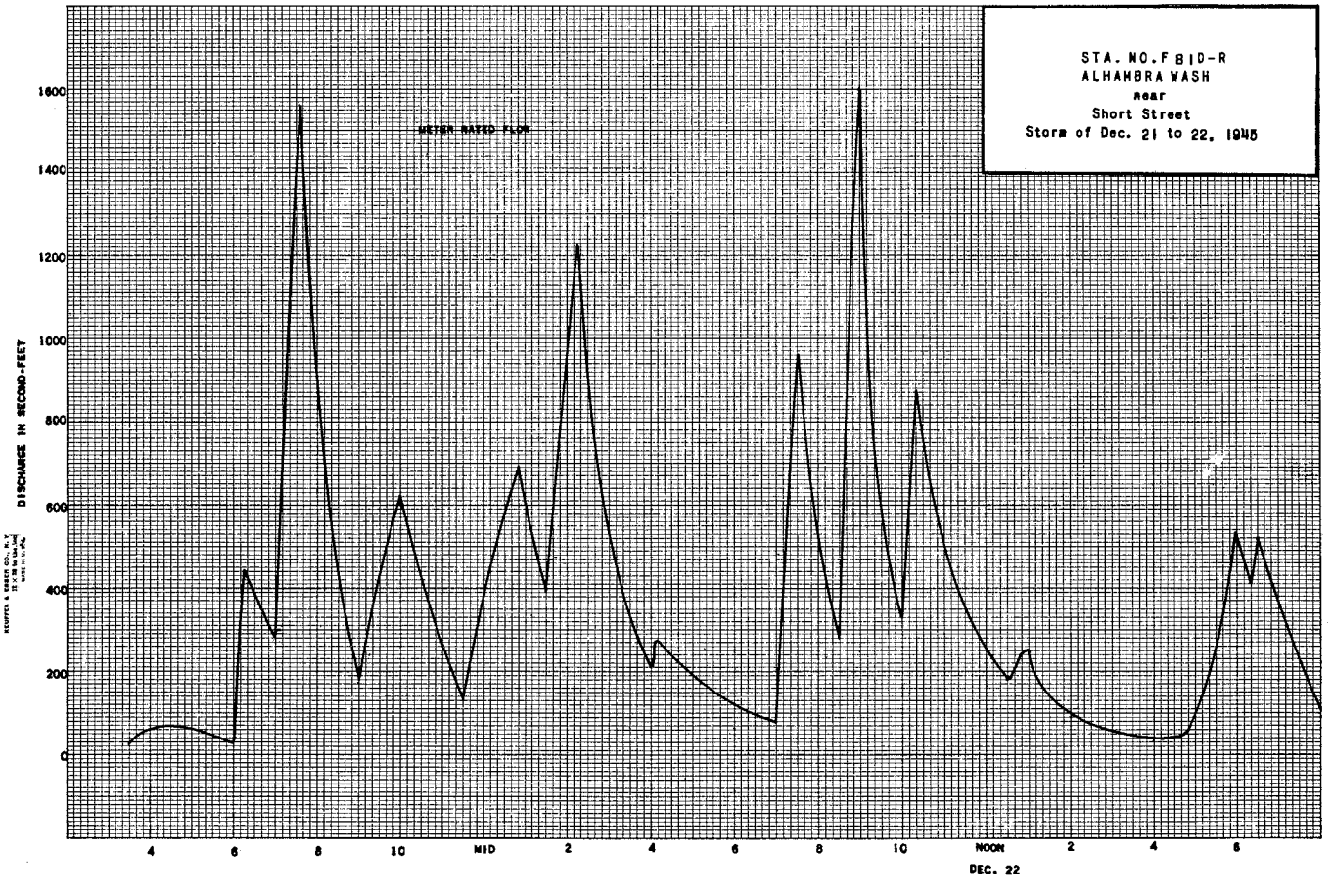
Sta. No. F81 D-R

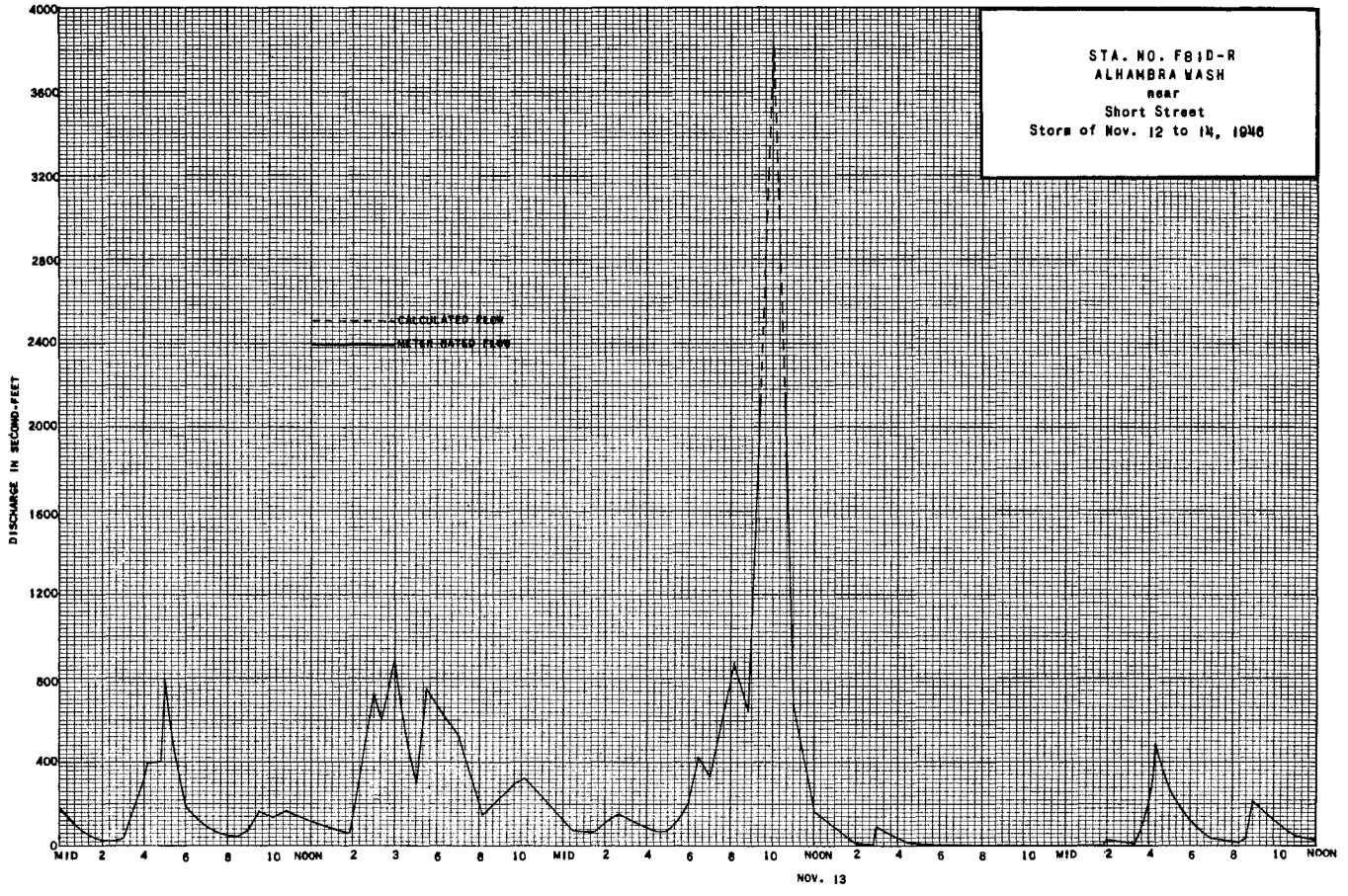
Daily discharge, in second-feet of ALHAMBRA WASH near Short Street, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	0.6	0.9	0.4	0.4	0.4	0.9	0.4	0.2	0.9	0.3	0.6
2	0.9	0.3	1.1	0.4	0.3	0.4	1.1	0.3	0.1	0.9	0.3	0.4
3	0.9	0.2	0.6	0.3	0.3	0.9	15	0.3	0.2	0.4	0.3	0.4
4	1.1	0.2	0.4	0.3	0.3	1.1	2.1	0.3	0.2	0.4	0.3	0.6
5	0.4	0.3	0.3	0.3	0.4	2.6	1.1	0.3	0.2	0.3	0.3	0.6
6	0.4	0.3	30	0.4	0.4	1.4	0.9	0.3	0.3	0.3	0.3	0.9
7	0.3	1.1	0.4	0.4	0.4	0.4	0.6	0.6	0.3	0.3	0.3	0.9
8	0.2	3.2	0.4	0.4	0.4	0.4	0.6	0.3	0.3	0.3	0.9	0.6
9	0.3	0.4	0.6	0.6	37	0.3	0.3	0.2	0.2	0.4	1.1	0.6
10	0.3	0.7	0.4	0.6	1.8	0.3	0.3	2.7	0.2	0.6	0.4	0.6
11	0.4	41	0.4	0.4	0.6	0.3	0.3	0.6	0.4	0.6	0.4	0.6
12	0.3	269	0.3	0.6	0.4	0.2	0.3	0.3	0.4	0.4	0.4	0.9
13	0.3	323	0.3	0.6	0.6	0.3	0.3	0.3	0.2	0.4	0.4	1.1
14	0.4	49	0.4	0.4	0.6	0.3	0.3	0.4	0.2	0.3	0.4	0.9
15	0.6	0.6	0.6	0.4	0.6	0.3	0.4	0.6	0.1	0.3	0.6	0.6
16	20	0.6	0.6	0.4	0.6	0.3	0.6	0.6	0.1	0.3	0.9	0.6
17	0.6	0.4	0.4	0.4	15	0.4	0.6	0.6	0.1	0.3	0.6	1.1
18	0.9	0.4	0.4	0.4	1.8	0.4	0.9	0.3	0.1	0.3	0.4	1.4
19	0.9	1.9	0.4	0.3	1.1	0.4	1.4	0.3	0.1	0.3	0.6	0.9
20	0.4	169	0.4	0.4	0.9	0.9	1.1	0.3	0.1	0.3	0.9	0.4
21	0.3	0.6	0.4	0.4	0.9	1.8	1.6	0.4	a 0.1	0.3	1.1	0.3
22	0.3	0.9	0.3	0.3	0.4	1.4	2.3	0.4	0.1	0.3	1.4	0.3
23	0.3	95	0.4	0.4	0.3	1.1	1.6	0.6	0.1	0.3	1.6	0.3
24	0.4	0.9	14.4	0.4	0.3	1.1	1.4	0.6	0.2	0.3	1.1	0.3
25	0.4	0.9	345	0.4	0.3	0.6	1.4	0.6	a 0.3	0.3	0.6	0.3
26	0.4	0.6	126	0.4	0.3	0.4	1.4	0.3	0.4	0.3	0.9	0.2
27	9.8	0.4	74	0.6	0.3	0.6	1.1	13.2	0.9	0.3	1.4	0.3
28	1.4	0.6	1.6	27	0.4	4.0	1.1	1.4	1.1	0.3	1.1	0.3
29	0.9	0.6	0.6	0.6		1.8	1.1	0.9	0.9	0.3	1.4	0.3
30	0.9	0.6	0.6	0.6		1.1	0.4	0.4	0.6	0.3	1.4	0.9
31	0.6		0.4	0.4		0.6		0.3		0.3	0.9	
	79.3	963.3	603.0	39.9	67.1	26.5	42.5	29.1	8.7	11.6	23.0	18.2
MEAN	2.56	32.1	19.5	1.29	2.40	0.85	1.42	0.94	0.29	0.37	0.74	0.61
ACRE-FEET	158	1,910	1,200	79	133	53	84	58	17	23	46	36

Remarks:

YEAR OR PERIOD MEAN 5.24
ACRE-FEET 3,800





STATION F152-R
ALISO WASH at Nordhoff Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'08", LONG. 118°32'52", ON THE RIGHT (WEST) ABUTMENT DOWNSTREAM OF THE HIGHWAY BRIDGE AT NORDHOFF STREET ABOUT ONE MILE NORTHWEST OF NORTHRIDGE AND 3600 FEET WEST OF RESEDA AVENUE. ELEVATION OF ZERO GAGE HEIGHT, 817.50 FEET.

DRAINAGE AREA: 7.15 SQUARE MILES.

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

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. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO JULY 15, 1947.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1140 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 290 SECOND-FEET, DECEMBER 25.
MINIMUM NO FLOW MOST OF YEAR.

1939-1947
MAXIMUM DISCHARGE NOT DETERMINED, FEBRUARY 20, 1941.
MAXIMUM 1,750 SECOND-FEET, JANUARY 22, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF ALISO WASH

AT ~~NEAR~~ Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
84	12/19	137P / 144P	DEVORE	3.6	0.49	2.04	2.76	1.0		FLOAT	5	0	FLOAT
85	12/22	215A / 223A	"	14.0	9.55	6.89	2.15	65.8		.6	4	0	FC42
86	3/30	639A / 645A	WADDICOR	13.5	3.97	2.67	2.30	10.6		.6	7	-.04	FC22

DISCHARGE MEASUREMENTS OF ALISO WASH

AT ~~NEAR~~ Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
87	11-12	935A / 940A	TURNER	2.0	0.20	0.75	2.59	0.15		.5	4	0	FC13
88	11-13	905A / 915A	TURNER -RILEY	19.0	14.2	4.47	3.46	63.5		.6	8	-0.12	FC43
89	11-14	1050A / 1055A	TURNER	2.8	0.24	0.92	2.26	0.22		.5	4	0	"
90	11-20	1035A / 1042A	TURNER - RILEY	9.0	2.13	2.54	2.66	5.4		.5	6	-.03	"
91	11-23	1230P / 1236P	" "	10.5	3.24	3.02	2.56	9.8		.5	6	-.01	"
92	12-26	1135A / 1140A	TURNER	5.5	0.61	1.34	2.25	0.8		.5	5	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152-R

Daily discharge, in second-feet of ALISO WASH at Nordhoff Street, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	a 0	0	0	0	+					
2	0	0	0	0	0	0	0					
3	0	0	0	0	0.8	0	0					
4	0	0	0	0	0	0	0					
5	0	0	a 0	0	0	0	0					
6	7.2	0	0	0	0	0	0					
7	2.1	0	0	0	0	0	0					
8	0	0	0	0	0	0	0					
9	0	0	0	0	+	0	0	Stopped Recorder for Summer 4/29/46	=	=	=	=
10	0	+	0	0	0	0	0					
11	0	+	0	0	0	0	0					
12	0	0	0	0	0	0	0					
13	a 0	0	0	0	0	0	0		=	=	=	=
14	0	0	+	0	0	+	0					
15	0	0	0.1	0	0	0	0					
16	0	0	+	0	0	+	0		=	=	=	=
17	0	0	+	0	+	+	0					
18	0	0	+	0	0	+	0					
19	0	0	0.2	0	0	0.9	0					
20	+	+	+	0	0	+	0		=	=	=	=
21	+	+	b 6.2	0	0	0	0					
22	+	+	b 7.3	0	0	0	0					
23	+	+	9.2	0	0	0	0					
24	0	a +	0	0	0	0	0					
25	+	+	1.4	0	0	0	0		=	=	=	=
26	+	+	0	0	0	0	0					
27	+	+	0	0	0	0	0					
28	+	+	0	0	0	0.3	0					
29	a +	+	0	0		+						
30	0.1	a +	0	0		6.5						
31	0		0	0		+						
	9.4	+	145.9	0	0.8	7.7	+					
MEAN	0.30	+	4.71	0	0.03	0.25	+					
ACRE-FEET	17.	+	289.	0	1.6	15.	+					

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

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 323.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

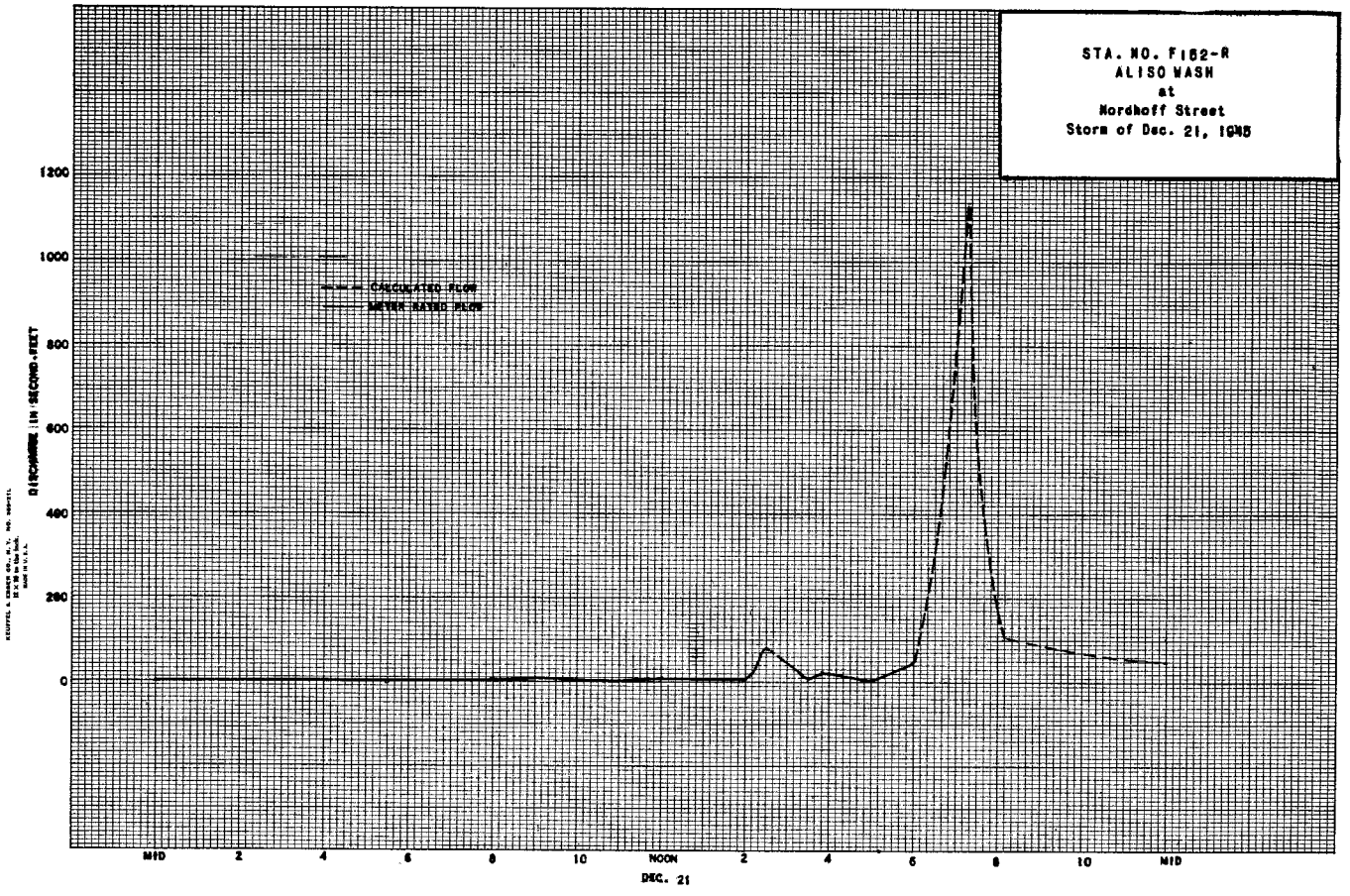
Sta. No. F 152-R

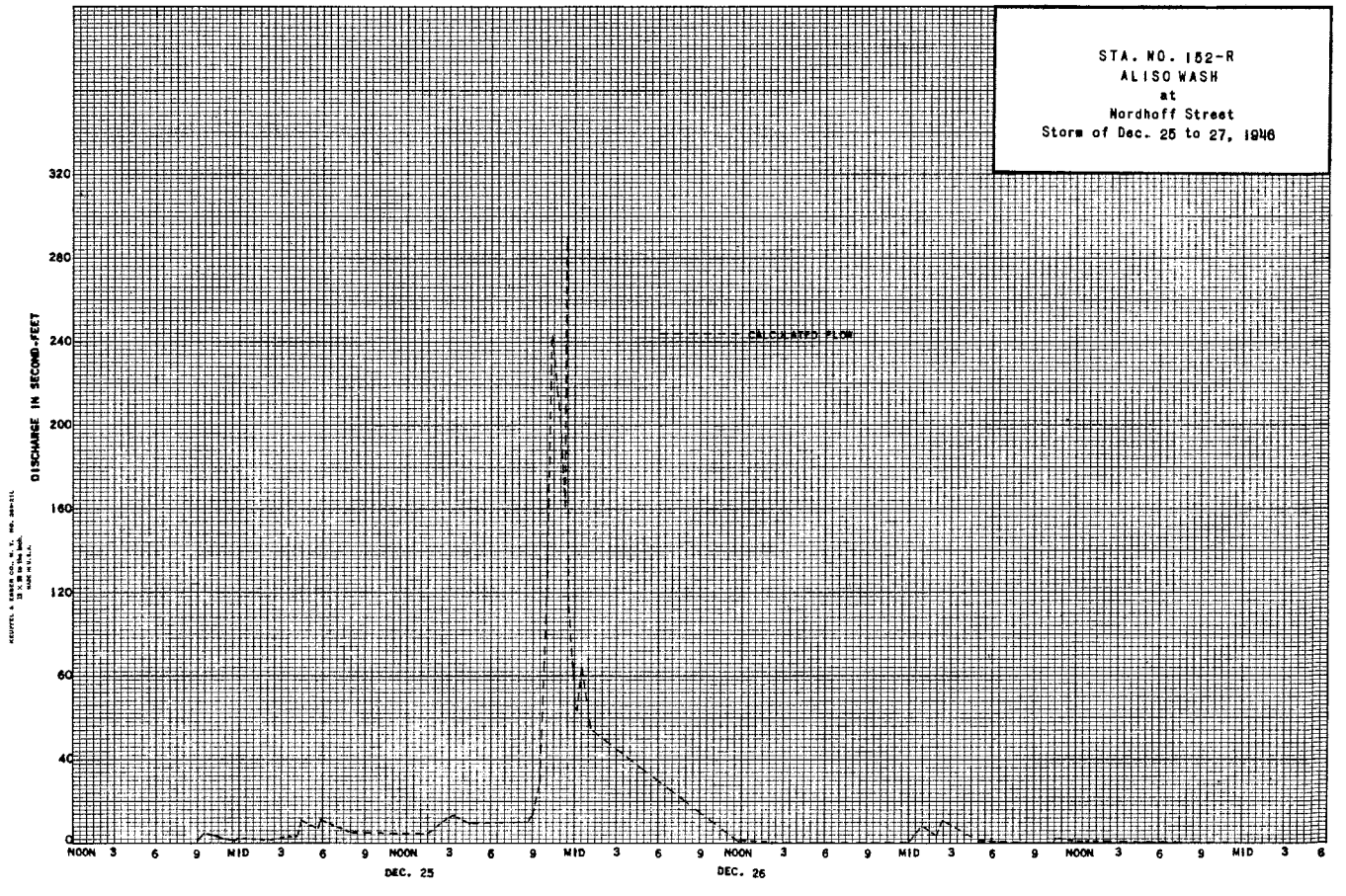
Daily discharge, in second-feet of ALISO WASH at Nordhoff Street, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0	0	+	0	0	0	0				
2	0.2	0	0	+	0	+	0	0				
3	0.4	0	0	+	0.1	+	0	0				
4	0.1	+	0	+	+	+	0	0				
5	0	+	0	+	0	1.5	0	0				
6	0.1	+	2.2	+	0	0	+	0				
7	0.1	+	0	0	0	0	+	0.2				
8	0.2	+	0	0	0	0	0					
9	0.1	+	0	0	+	0	0					
10	0.1	+	0	0	0	0	0					
11	+	+	0	0	0	0	0					
12	+	2.6	0	0	0	0	0		=	=	=	=
13	+	2.5	0	0	0	0	0					
14	0	7.5	0	0	0	0	0					
15	0	0	0	0	0	0	0					
16	0	0	0	0	0	0	0.1		=	=	=	=
17	0	0	0	0	0	0	0.6					
18	+	0	0	0	0	0	0.4					
19	+	0	0	0	0	0.1	0.5					
20	+	2.7	0	0	0	0.5	0.4		=	=	=	=
21	0	0	0	0	0	0.2	0.1					
22	+	0	0	0	0	0	0.2					
23	+	2.6	0	0	0	0	0.1					
24	+	0	0.4	0	0	0	0					
25	+	0	2.3	0	0	0.1	+		=	=	=	=
26	0	0	1.6	0	0	0.1	+	Recorder stopped for Summer				
27	0	0	1.5	0	+	0	0					
28	0	0	+	0.1	+	1.2	0.1					
29	0	0	0	0		0	0.6					
30	0	0	0	0		0	0					
31	0		0	0		0						
	1.7	63.8	43.1	0.1	0.1	3.7	3.1	0.2	0	0	0	0
MEAN	0.05	2.13	1.39	+	+	0.12	0.10	0.01	0	0	0	0
ACRE-FEET	3.4	127	85.5	0.2	0.2	7.3	6.1	0.4	0	0	0	0

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

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 230


STA. NO. F152-R
ALISO WASH
at
Nordhoff Street
Storm of Dec. 21, 1948
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
CALCULATED FLOW
MEYER RATED FLOW
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
DEC. 21


STA. NO. 152-R
ALISO WASH
at
Nordhoff Street
Storm of Dec. 25 to 27, 1948
DISCHARGE IN SECOND-FEET
320
280
240
200
160
120
80
40
0
CALCULATED FLOW
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
DEC. 25
DEC. 26

STATION U1-R
ARROYO SECO above Mouth of Canyon

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

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 32 YEARS (1913-15, 1916-46) 10.8 SECOND-FEET.
33 " " " " 47 10.7 " "

EXTREMES:
1945-1946
MAXIMUM DISCHARGE 600 SECOND-FEET DECEMBER 25. (GAGE HEIGHT 4.05 FEET).
MINIMUM DAILY 0.5 SECOND-FOOT ON MANY DAYS.
1946-1947
MAXIMUM DISCHARGE 680 SECOND-FEET MARCH 30. (GAGE HEIGHT 4.17 FEET).
MINIMUM DAILY DISCHARGE 0.5 SECOND-FOOT SEPTEMBER 4-29.
1910-1947
MAXIMUM DISCHARGE 8,620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
PRACTICALLY NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

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

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF ARROYO SECO

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1534	10/1		U.S.G.S.	9.0	3.28	.35	.66	1.15		.6	18	0	
1535	10/4		"	4.8	1.95	.42	.63	.82		.6	19	0	
1536	10/11		"	5.6	1.82	.43	.64	.78		.6	11	0	
1537	10/17		"	5.5	2.07	.57	.64	1.18		.6	11	0	
1538	10/19		"	4.7	2.09	.45	.59	.95		.6	9	0	
1539	10/31		"	5.5	1.90	.71	.63	1.35		.6	10	0	
1540	11/1		"	4.7	2.31	.53	.63	1.23		.6	12	0	
1541	11/8		"	4.8	1.97	.85	.64	1.67		.6	19	0	
1542	11/8		"	6.0	2.79	.56	.64	1.56		.6	24	0	
1543	11/15		"	5.6	2.31	.76	.65	1.76		.6	12	0	
1544	11/21		"	5.4	2.20	.70	.66	1.55		.6	12	0	
1545	11/28		"	6.0	1.96	.69	.67	1.35		.6	12	0	
1546	12/3		"	5.9	2.74	.56	.67	1.54		.6	12	0	
1547	12/5		"	6.0	1.98	.75	.67	1.48		.6	12	0	
1548	12/13		"	5.8	2.42	.82	.68	1.98		.6	12	0	
1549	12/19		"	6.7	2.24	.82	.68	1.83		.6	8	0	
1550	12/22		"	40.	55.5	5.05	3.39	280.		V	20	-.18	
1551	12/28		"	14.5	9.1	1.14	1.02	10.4		.6	15	0	
1552	1/4		"	14.0	6.4	.95	.81	6.1		.6	11	0	
1553	1/9		"	8.0	4.89	.83	.75	4.07		.6	9	0	
1554	1/16		"	13.5	5.3	.67	.73	3.57		.6	14	0	
1555	1/23		"	9.2	5.6	0.64	0.72	3.58		.6	10	0	
1556	1/30		"	8.4	4.33	.72	.71	3.13		.6	10	0	
1557	2/6		U.S.G.S.	14.	8.5	.78	.88	6.2		.6	14	0	
1558	2/13		"	11.5	7.0	.58	.80	4.07		.6	12	0	
1559	2/20		"	12.9	6.3	.53	.77	3.32		.6	12	0	
1560	2/27		"	12.9	6.6	.53	.77	3.51		.6	12	0	
1561	3/6		"	13.1	7.2	.46	.77	3.34		.6	14	0	
1562	3/13		"	12.5	7.2	.38	.79	2.74		.6	25	0	
1563	3/21		"	13.5	9.4	.93	1.08	8.7		.6	26	0	
1564	3/22		"	12.	9.3	.74	.97	6.9		.6	12	0	
1565	3/27		"	12.	7.7	.54	.86	4.14		.6	12	0	
1566	3/30		"	43.	78.6	5.52	3.70	434.		V	22	-.08	
1567	3/30		"	41.	60.1	5.32	3.41	320.		V	20	-.04	
1568	4/1		"	27.4	31.4	2.17	2.04	68.1		.6	23	-.01	
1569	4/4		"	20.	19.2	1.69	1.59	32.1		.6 .2.6	21	-.01	
1570	4/11		"	18.	15.9	1.06	1.19	16.9		.8	14	0	
1571	4/17		"	19.	12.5	1.08	1.14	12.9		.6 .2.6	18	0	
1572	4/18		"	11.2	9.9	1.10	1.10	10.9		.8	11	0	
1573	4/24		"	11.5	9.6	.98	.97	9.4		.6	12	0	
1574	5/1		"	14.0	7.0	1.23	.99	8.6		.6	14	0	
1575	5/8		"	13.8	6.2	1.01	.96	6.3		.6	15	0	
1576	5/15		"	13.8	6.4	.94	.91	6.0		.6	14	0	
1577	5/22		"	14.0	6.3	1.02	.88	6.4		.6	13	0	
1578	5/29		"	13.5	5.40	0.85	0.83	4.59		.6	14	-.01	
1579	6/5		"	6.7	2.28	1.10	.76	2.51		.6	12	0	
1580	6/12		U.S.G.S.	4.	2.00	1.28	.76	2.57		.6	8	0	
1581	6/19		"	4.	1.84	1.09	.71	2.00		.6	8	0	
1582	6/26		"	4.	1.68	1.07	.71	1.80		.6	8	0	
1583	7/1		"	9.4	4.71	.44	.68	2.06		.5	19	0	
1584	7/1		"	4.	1.66	1.07	.68	1.77		.5	9	0	
1585	7/3		"	4.2	1.71	1.13	.67	1.94		.6	10	0	
1586	7/10		"	4.	1.60	.91	.66	1.46		.6	8	0	
1587	7/18		"	4.	1.60	.89	.67	1.42		.6	8	0	
1588	7/23		"	4.	1.60	.68	.66	1.09		.6	8	0	
1589	7/30		"	4.0	1.60	.55	.62	.88		.6	8	0	
1590	8/1		"	3.9	1.57	.69	.64	1.08		.5	10	0	
1591	8/7		"	4.	1.60	.73	.62	1.17		.6	8	0	
1592	8/14		"	2.5	.88	.91	.60	.80		.6	6	0	
1593	8/21		"	2.4	.79	.89	.59	.70		.6	5	0	
1594	8/28		"	2.5	.78	.79	.59	.62		.6	7	0	
1595	9/5		"	2.5	.83	.64	.60	.53		.6	7	0	
1596	9/11		"	2.5	.79	.70	.58	.55		.6	7	0	
1597	9/17		"	2.4	.74	.65	.57	.48		.6	10	0	
1598	9/24		"	2.4	.76	.61	.56	.46		.6	9	0	

DISCHARGE MEASUREMENTS OF ARROYO SECO

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1599	10-1		U.S.G.S.	15.5	7.6	.63	.84	4.78		.5 .6	22	.01	
1600	10-8		"	2.3	1.00	1.74	.66	1.74		.6	6	0	
1601	10-18		"	2.7	1.26	1.50	.67	1.89		.6	7	0	
1602	10-22		"	2.7	1.23	1.34	.67	1.65		.6	7	0	
1603	10-29		"	2.3	1.14	1.73	.72	1.97		.6	7	0	
1604	11-5		"	2.2	1.01	1.45	.69	1.46		.6	7	0	
1605	11-12		"	11.1	11.5	1.28	1.28	14.7		.6	11	.03	
1606	11-13		"	37	57.6	5.05	3.42	291		.6	8	.13	
1607	11-14		"	20.5	18.4	3.33	1.98	61.3		.6	11	.01	

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1608	11-20		"	42.5	99.6	5.76	4.05	574		.5 .6	21	0	
1609	11-22		"	13.9	6.9	3.68	1.66	25.4		.6	12	0	
1610	11-23		"	28	35.0	3.74	2.59	131		.2 6-8	24	.02	
1611	11-25		"	19.9	23.0	1.66	1.62	38.1		.6	11	.01	
1612	12-10		"	8.8	7.5	1.01	1.05	7.6		.6	9	0	
1613	12-17		"	8.7	7.0	.91	.98	6.4		.6	9	.01	
1614	12-26		"	38	50.9	3.14	2.83	160		.6 2-8	21	.04	
1615	1-14		"	18.0	11.8	1.19	1.19	14.1		.6	12	0	
1616	1-21	300P 310P	TURNER	CHANNELS			1.05	10.3		.6	9	0	FC43
1617	1-28		U.S.G.S.	13.4	13.9	1.47	1.34	20.4		.6	11	.02	
1618	1-31		"	10.2	9.4	1.01	1.04	9.5		.6	11	0	
1619	2-6	100P 112P	TURNER	9.7	9.1	0.91	0.92	8.3		.6	11	0	FC43
1620	2-12		U.S.G.S.	9.8	8.3	.88	.92	7.3		.6	10	0	
1621	2-18	255P 310P	TURNER	9.5	8.7	0.87	0.92	7.6		.6	11	0	FC43
1622	2-28		U.S.G.S.	9.4	8.0	0.73	0.99	5.8		.6	11	0	
1623	3-7	1002A 1007A	BLAKELY	3.2	1.96	3.57	0.99	7.0		.6	5	0	FC35
1624	3-11		U.S.G.S.	9.5	8.0	0.66	0.98	5.3		.6	10	0	
1625	3-19	1110A 1120A	TURNER	10.0	8.1	0.66	1.05	5.3		.6	11	0	FC43
1626	3-25		U.S.G.S.	9.0	7.6	0.71	1.00	5.4		.6	11	0	
1627	4-1		"	9.1	8.5	0.79	1.11	6.7		.6	11	0	
1628	4-2	1020A 1030A	TURNER	10.0	8.7	0.71	1.10	6.2		.6	11	0	FC43
1629	4-8		U.S.G.S.	9.0	7.9	0.66	0.98	5.2		.6	9	0	
1630	4-16	1055A 1107A	TURNER	10.0	7.6	0.46	0.88	3.5		.6	11	0	FC43
1631	4-22		U.S.G.S.	8.1	7.4	0.64	0.92	4.70		.6	10	0	
1632	4-30	1110A 1120A	TURNER	8.8	7.3	0.56	0.84	4.1		.6	10	0	FC43
1633	5-1		U.S.G.S.	8.6	6.8	0.51	0.81	3.49		.6	11	0	
1634	5-6		"	5.0	3.57	0.72	0.77	2.58		.6	11	0	
1635	5-20		"	5.0	3.35	0.62	0.75	2.08		.6	13	0	
1636	5-28	1045A 1055A	TURNER	5.0	3.83	0.84	0.82	3.17		.6 .5	5	0	FC43
1637	6-3		U.S.G.S.	5.1	3.62	0.66	0.77	2.39		.6	12	0	
1638	6-3		"	5.0	3.47	0.68	0.77	2.36		.6	11	0	
1639	6-11	905A 915A	STUNDEN	5.0	3.31	0.70	0.74	2.3		.5 .6	6	0	FC36
1640	6-17		U.S.G.S.	5.0	3.04	0.48	0.68	1.46		.6	10	0	
1641	6-26	825A 835A	STUNDEN	5.0	2.84	0.63	0.69	1.8		.5 .6	8	0	FC36
1642	7-1		U.S.G.S.	2.2	0.92	1.68	0.68	1.55		.6	8	0	
1643	7-9	600A 815A	STUNDEN	4.3	2.31	0.61	0.65	1.4		.6	7	0	FC36
1644	7-16		U.S.G.S.	2.1	0.87	1.21	0.65	1.05		.6	7	0	
1645	8-1		"	1.8	0.68	1.03	0.60	0.70		.6	6	0	
1646	8-7	405P 415P	MOON	1.8	0.57	0.91	0.57	0.52		.5	4	0	FC22
1647	8-12		U.S.G.S.	1.8	0.60	0.97	0.58	0.58		.5 .6	7	0	
1648	8-20	1030A 1035A	MOON	1.8	0.59	1.00	0.59	0.59		.5	3	0	FC22
1649	8-26		U.S.G.S.	1.7	0.57	0.96	0.58	0.55		.5 .6	7	0	
1650	9-2		"	1.65	0.56	0.95	0.58	0.53		.5	7	0	
1651	9-3	430P 438P	STUNDEN	1.7	0.50	0.72	0.55	0.36		.5	4	0	FC36
1652	9-9		U.S.G.S.	1.5	0.51	1.22	0.58	0.62		.6	6	0	
1653	9-17	1025A 1030A	STUNDEN	1.5	0.51	1.16	0.58	0.59		.5	3	0	FC40
1654	9-23		U.S.G.S.	1.5	0.53	1.17	0.58	0.62		.6	7	0	

F. C. Dist. Form 21 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.2	1.5	6.5	3.1	3.3	6.5	8.6	3.3	1.8	1.0	0.6
2	1.0	1.2	1.5	6.8	2.9	3.3	5.0	8.4	3.1	1.8	1.0	0.6
3	0.9	1.2	1.5	6.8	2.8	3.3	4.0	8.1	2.7	1.7	1.0	0.6
4	0.9	1.2	1.5	6.0	2.4	3.3	3.1	7.9	2.6	1.7	1.0	0.5
5	0.9	1.4	1.5	5.8	7.5	3.3	2.3	7.7	2.6	1.7	1.0	0.5
6	0.9	1.5	1.7	5.4	6.2	3.3	2.2	7.2	2.6	1.5	1.0	0.5
7	0.9	1.7	1.7	5.2	5.6	3.3	2.6	6.5	2.7	1.5	1.0	0.5
8	0.9	1.5	1.7	4.8	5.0	3.3	2.3	6.3	2.7	1.5	1.0	0.5
9	0.9	1.7	1.7	4.2	4.4	3.3	2.3	6.3	2.7	1.5	0.9	0.5
10	0.9	1.7	1.7	4.0	4.4	3.3	2.0	6.3	2.7	1.5	0.8	0.5
11	0.9	1.7	1.8	3.8	4.2	3.3	1.7	6.3	2.6	1.4	0.7	0.5
12	0.9	1.8	2.0	3.6	4.0	3.3	1.7	6.0	2.6	1.4	0.7	0.5
13	0.9	1.8	2.0	3.6	4.0	3.1	1.6	6.0	2.2	1.4	0.8	0.5
14	0.9	1.8	2.0	3.6	3.6	3.1	1.5	6.0	2.2	1.4	0.8	0.5
15	0.9	1.8	2.0	3.6	3.6	2.9	1.5	6.0	2.1	1.4	0.8	0.5
16	0.9	1.8	1.8	3.6	3.6	2.9	1.4	6.0	2.1	1.4	0.8	0.5
17	0.9	1.8	1.8	3.6	3.4	3.1	1.3	5.8	2.1	1.4	0.7	0.5
18	0.9	1.7	1.8	3.6	3.4	3.4	1.1	5.8	2.0	1.4	0.7	0.5
19	1.0	1.7	1.8	3.6	3.3	8.9	1.1	5.8	2.0	1.4	0.7	0.5
20	1.0	1.5	1.8	3.6	3.3	1.0	1.0	5.8	2.0	1.2	0.7	0.5
21	1.0	1.5	5.8	3.6	3.3	8.9	1.0	5.8	2.0	1.2	0.7	0.5
22	1.2	1.5	21.3	3.6	3.3	7.1	1.0	5.6	2.0	1.1	0.7	0.5
23	1.2	1.5	18.6	3.6	3.3	6.3	9.4	5.4	2.0	1.1	0.7	0.5
24	1.1	1.5	6.0	3.5	3.3	5.2	9.4	5.2	2.0	1.1	0.7	0.5
25	1.1	1.4	2.8	3.5	3.3	4.8	9.4	5.0	1.8	1.1	0.6	0.5
26	1.1	1.4	1.6	3.4	3.3	4.4	9.2	5.0	1.8	1.1	0.6	0.5
27	1.2	1.4	1.3	3.3	3.3	4.0	9.2	5.2	1.8	1.1	0.6	0.5
28	1.2	1.4	1.1	3.3	3.3	4.8	8.9	4.8	1.8	1.1	0.6	0.5
29	1.2	1.4	9.4	3.2		6.5	8.6	4.4	1.8	1.1	0.6	0.5
30	1.2	1.4	8.1	3.1		3.62	8.6	3.8	1.8	1.0	0.6	0.6
31	1.2		7.2	3.1		1.21		3.6		1.0	0.6	
	31.1	46.1	644.5	128.9	153.9	612.0	554.7	186.6	68.4	42.0	24.1	15.4
MEAN	1.00	1.54	20.8	4.16	5.50	19.7	18.5	6.02	2.28	1.35	0.78	0.51
ACRE-FEET	62.	91.	1,280.	256.	305.	1,210.	1,100.	370.	136.	83.	48.	31.

Remarks:

YEAR OR PERIOD MEAN 6.87
ACRE-FEET 4,970.

F. C. Dist. Form 52 4-46

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, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	1.8	12	36	9.2	5.8	6.5	3.3	2.7	1.5	0.7	0.5
2	1.8	1.5	10	35	8.9	5.8	6.2	3.1	2.6	1.4	0.7	0.5
3	1.4	1.5	9.2	32	8.6	5.6	6.3	2.6	2.4	1.4	0.7	0.5
4	2.1	1.5	8.6	28	8.4	5.6	6.5	2.4	2.2	1.4	0.7	0.5
5	2.1	1.5	8.4	25	8.4	5.6	6.0	2.4	2.2	1.4	0.7	0.5
6	2.1	1.7	15	22	8.4	5.6	5.6	2.6	2.2	1.4	0.7	0.5
7	1.8	1.7	16	19	8.1	5.6	5.4	2.6	2.2	1.4	0.6	0.6
8	1.8	1.7	11	17	7.9	5.6	5.2	2.7	2.2	1.4	0.7	0.6
9	1.8	1.7	8.4	17	7.7	5.4	4.8	2.7	2.2	1.4	0.6	0.6
10	1.7	1.7	7.7	16	7.4	5.4	4.4	2.7	2.2	1.4	0.6	0.6
11	1.5	2.2	7.7	15	7.2	5.4	4.2	2.7	2.1	1.2	0.6	0.6
12	1.1	18	7.4	15	7.2	5.4	4.0	2.9	2.0	1.2	0.5	0.5
13	1.0	140	7.2	14	7.0	5.2	3.8	2.7	1.8	1.2	0.5	0.5
14	1.0	57	7.2	14	7.0	5.2	3.6	2.7	1.8	1.2	0.5	0.5
15	1.4	28	7.0	14	6.8	5.2	3.4	3.1	1.7	1.1	0.5	0.5
16	1.7	16	7.0	13	6.6	5.2	3.4	2.9	1.7	1.1	0.5	0.5
17	1.8	11	6.5	12	6.8	5.0	3.4	2.6	1.5	1.1	0.5	0.7
18	1.9	9.4	6.5	12	7.7	5.2	3.6	2.4	1.5	1.0	0.5	0.7
19	2.2	8.4	6.3	12	7.4	5.4	3.8	2.2	1.5	1.0	0.5	0.6
20	1.6	181	6.0	10	7.2	5.8	4.0	2.2	1.7	1.0	0.5	0.6
21	1.7	47	6.0	10	7.0	7.2	4.6	2.2	1.7	1.0	0.5	0.6
22	1.7	25	6.0	10	6.8	7.2	4.8	2.4	1.8	1.0	0.5	0.6
23	1.8	59	6.0	9.7	6.5	6.8	4.2	2.6	1.8	1.0	0.5	0.6
24	1.7	46	7.2	9.7	6.3	6.0	4.2	2.6	1.8	1.0	0.5	0.6
25	1.7	37	103	9.4	6.3	5.5	4.2	2.8	1.8	1.0	0.5	0.6
26	1.5	26	206	8.9	6.0	5.2	4.2	2.2	1.8	1.0	0.5	0.5
27	2.0	22	145	8.9	6.0	5.2	4.2	3.1	1.8	1.0	0.5	0.5
28	2.1	20	85	18	5.8	8.7	4.2	3.1	1.8	1.0	0.5	0.6
29	2.1	16	63	16		9.8	4.0	2.6	1.7	0.9	0.5	0.6
30	2.0	14	49	9.7		7.9	4.0	2.7	1.5	0.9	0.5	0.7
31	2.0		38	9.4		7.2		3.1		0.8	0.5	
	56.4	799.3	889.3	497.7	204.8	185.7	136.7	82.3	57.9	35.8	17.3	17.0
MEAN	1.82	26.6	28.7	16.1	7.31	5.99	4.56	2.65	1.93	1.15	0.56	0.57
ACRE-FEET	112	1590	1760	987	406	368	271	163	115	71	34	34

Remarks:

YEAR OR PERIOD MEAN 8.16
ACRE-FEET 5910

STATION P277-R
ARROYO SECO below Devil's Gate Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'53", LONG. 118°10'21" ON THE LEFT (EAST) SIDE OF THE CHANNEL ABOUT 0.5 MILE BELOW DEVIL'S GATE DAM AND ABOUT 0.5 MILE ABOVE WASHINGTON STREET, PASADENA. ELEVATION OF GAGE, ABOUT 926 FEET.

DRAINAGE AREA: 32.5 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL OF ROCK AND SAND FROM DEVIL'S GATE DAM TO THE STATION AT INTAKE STRUCTURE TO IMPROVED CHANNEL WHERE AN OGEE SECTION 80.2 FEET WIDE AND 18 FEET HIGH WITH A RECTANGULAR, BROAD-CRESTED WEIR 14.2 FEET WIDE AND 2.0 FEET HIGH FORMS THE CONTROL.

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

RECORDER: INSTALLED NOVEMBER 30, 1942, OVER A 32 INCH DIAMETER STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947. RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 445 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW.

1946-1947
MAXIMUM 610 SECOND-FEET, DECEMBER 27.
MINIMUM NO FLOW, PART OF YEAR.

1942-1947
MAXIMUM 5640 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR below Devils Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
174	12/22	930A	940A	MOON	38.0	16.2	4.57	0.74	74.0		.6	7	0	FC22
175	12/22	1100A	1110A	MOON - ANDREN	35.0	18.8	15.7	1.64	296.		FLOAT	5	0	
176	12/23	425P	430P	MOON - HOLMES	36.0	20.7	17.2	1.95	372.		"	4	0	
177	2/28	405P	407P	MOON	1.5	0.16	0.69	0.14	0.11		.5	2	0	FC22
178	3/14	232P	234P	"	1.0	0.12	0.83	0.13	0.10		.5	2	0	"
179	3/21	340P	342P	"	1.5	0.22	0.91	0.16	0.20		.5	2	0	"
180	3/28	252P	255P	"	1.8	0.17	0.88	0.15	0.15		.5	3	0	"
181	4/9	1045A	1055A	"	TWO CHANNELS				0.53		.5	6		"
182	4/11	400P	405P	"	" "				0.55		.5	4		"
183	4/18	510P		"					0.93	V-NOTCH WEIR				
184	4/25	410P		"					0.92	"				
185	5/9	420P		"					1.1	"				
186	5/16	420P		"					1.1	"				
187	5/23	400P		"					1.0	"				
188	5/30	410P		"					1.0	"				
189	6/6	445P		"					0.97	"				
190	6/13	545P		"					0.92	"				
191	6/21	840A		"					0.85	"				
192	6/27	350P		"					0.80	"				
193	7/3	400P		"					0.79	"				
194	7/11	430P		"					0.72	"				
195	7/18	400P		"					0.65	"				
196	7/25	415P		MOON					0.58	V-NOTCH WEIR				
197	8/1	310P		"					0.55	"				
198	8/8	400P		"					0.49	"				
199	8/15	410P		"					0.44	"				
200	8/22	300P		"					0.38	"				
201	8/29	300P		"					0.35	"				
202	9/5	450P		STUNDEN					0.32	"				
203	9/14	1210P		"					0.22	"				
204	9/26	955A		"					0.10	"				

DISCHARGE MEASUREMENTS OF ARROYO SECO

AT OR NEAR below Devils Gate Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
205	11-13	1016P	1043P	KASIMOFF - OTIS	37.0	56.4	1.30	0.78	73.7		.6	10	0	FC47
206	11-14	943A	952A	MOON - ROCKENMEYER	18.0	30.8	2.08	0.78	64.1		.6	9	0	FC22
207	11-14	1110A	1117A	" "	6.0	4.44	16.2	0.78	72.0		.6	4	0	PITOT
208	11-20	400P	402P	" "	6.0	4.50	15.3	0.80	69.0		.6	6	0	"
209	11-21	725P	735P	MOON	10.0	17.4	22.6	1.90	393.		.5 .6	8	0	"
210	11-23	1147A	1207P	"	24.0	28.0	2.08	0.75	58.1		.6	11	0	FC22
211	11-23	1235P	1240P	"	6.0	5.04	13.3	0.76	65.6		.6	4	0	PITOT
212	11-25	1110A	1115A	"	6.0	12.6	1.15	0.22	14.5		.6	5	0	FC22
213	11-26	110P	115P	"	6.0	2.28	9.60	0.31	21.9	FLOATS		4	0	
214	12-26	230A	255A	MOON - STEVENS	35.0	23.8	13.8	1.87	328.		.6	9	-.06	PITOT
215	12-26	550P	615P	" "	36.5	21.9	17.3	2.09	378.	FLOATS		11	0	
216	12-27	505P	510P	" "	6.0	13.5	19.0	1.65	257.		.6	6	0	PITOT
217	12-31	1115A	1120A	MOON	6.0	3.60	11.2	0.42	40.4		.6	6	0	"
218	1-3	1040A	1050A	"	6.0	2.52	8.97	0.34	22.6		.6	6	0	"
219	1-29	150P		"					0.48	V NOTCH WEIR				
220	2-5	340P		"					0.52	"				
221	2-13	245P		"					0.52	"				
222	2-19	1150A		MOON - WADDICOR					0.55	"				
223	2-26	410P		MOON					0.55	"				
224	3-6	415P		"					0.55	"				
225	3-12	330P		"					0.55	"				
226	4-16	400P		"					0.58	"				
227	4-23	920A		"					0.58	"				
228	4-30	345P		"					0.57	"				
229	5-8	900A		"					0.57	"				
230	5-14	940A		"					0.57	"				
231	5-22	1130A		"					0.57	"				
232	5-29	1215P		"					0.57	"				
233	6-5	310P							0.59	"				
234	7-23	930A	932A	"	1.0	0.05	0.40		0.02		.5	2	0	FC22

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devils Gate Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	b 0.1	0	b 0.1	b 0.3	b 1.0	b 1.0	b 0.8	b 0.6	b 0.3
2	0	0	0	0.1	0	0.1	0.3	1.0	1.0	0.8	0.6	0.3
3	0	0	0	0.1	0	0.1	0.4	1.0	1.0	0.8	0.6	0.3
4	0	0	0	0.1	0	0.1	0.4	1.0	1.0	0.8	0.6	0.3
5	0	0	0	0.1	0	0.1	0.4	1.0	1.0	0.8	0.5	0.3
6	0	0	0	0.1	0	0.1	0.5	1.0	1.0	0.8	0.5	0.3
7	0	0	0	0.1	0	0.1	0.5	1.1	1.0	0.8	0.5	0.3
8	0	0	0	0.1	0	0.1	0.5	1.1	1.0	0.7	0.5	0.3
9	0	0	0	0.1	0	0.1	0.5	1.1	1.0	0.7	0.5	0.3
10	0	0	0	0.1	0	0.1	0.5	1.1	0.9	0.7	0.5	0.2
11	0	0	0	0.1	0	0.1	0.5	1.1	0.9	0.7	0.5	0.2
12	0	0	0	0.1	0	0.1	0.6	1.1	0.9	0.7	0.4	0.2
13	0	0	0	b 0.1	0	0.1	0.6	1.1	0.9	0.7	0.4	0.2
14	0	0	0	0	0	0.1	0.7	1.1	0.9	0.7	0.4	0.2
15	0	0	0	0	0	0.1	0.7	1.1	0.9	0.7	0.4	0.2
16	0	0	0	0	0	0.1	0.7	1.1	0.9	0.7	0.4	0.2
17	0	0	0	0	0	0.1	0.8	1.1	0.9	0.7	0.4	0.2
18	0	0	0	0	0	0.2	0.8	1.1	0.9	0.7	0.4	0.2
19	0	0	0	0	0	0.2	0.8	1.1	0.9	0.7	0.4	0.2
20	0	0	0	0	0	0.2	0.8	1.0	0.9	0.7	0.4	0.2
21	0	0	0	0	0	0.2	0.8	1.0	0.9	0.7	0.4	0.1
22	0	0	173	0	0	0.2	0.9	1.0	0.9	0.6	0.4	0.1
23	0	0	272	0	0	0.2	0.9	1.0	0.9	0.6	0.4	0.1
24	0	0	60	0	b 0.1	0.2	0.9	1.0	0.9	0.6	0.4	0.1
25	0	0	91	0	0.1	0.2	0.9	1.0	0.8	0.6	0.4	0.1
26	0	0	82	0	0.1	0.2	0.9	1.0	0.8	0.6	0.4	0.1
27	0	0	b 0.1	0	0.1	0.2	0.9	1.0	0.8	0.6	0.4	0.1
28	0	0	0.1	0	b 0.1	0.2	0.9	1.0	0.8	0.6	0.4	0.1
29	0	0	0.1	0		0.2	0.9	1.0	0.8	0.6	0.4	0.1
30	0	0	0.1	0		0.3	b 1.0	1.0	b 0.8	0.6	0.3	b 0.1
31	0		b 0.1	0		b 0.3		b 1.0		b 0.6	b 0.3	
	0	0	6785	1.7	0.5	4.7	20.3	32.3	27.3	21.4	13.7	5.9
MEAN	0	0	21.9	0.04	0.02	0.15	0.68	1.04	0.91	0.69	0.44	0.20
ACRE-FEET	0	0	1346.	2.6	1.0	9.3	40.	64.	54.	42.	27.	12.

Remarks:

YEAR OR PERIOD MEAN 2.17
ACRE-FEET 1580.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P 277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	32	0.5	0.5	0.6	0.6	0.6	+	+	0
2	0	0	0.2	27	0.5	0.5	0.6	0.6	0.6	+	+	0
3	0	0	0.2	23	0.5	0.5	0.6	0.6	0.6	+	+	0
4	0	0	0.2	13	0.5	0.5	0.6	0.6	0.6	+	+	0
5	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.6	+	+	0
6	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.6	+	+	0
7	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.6	+	+	0
8	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.6	+	+	0
9	0	0	0.2	0.4	21	0.5	0.6	0.6	0.05	+	+	0
10	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.05	+	+	0
11	0	0	0.2	0.4	0.5	0.5	0.6	0.6	0.05	+	+	0
12	0	0.7	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
13	0	26	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
14	0	72	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
15	0	70	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
16	0	69	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
17	0	20	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
18	0	0	0.2	0.4	0.5	0.5	0.6	0.6	+	+	+	0
19	0	0	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
20	0	31	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
21	0	110	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
22	0	108	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
23	0	65	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
24	0	156	0.3	0.5	0.5	0.5	0.6	0.6	+	+	+	0
25	0	89	0.9	0.5	0.5	0.5	0.6	0.6	+	+	+	0
26	0	22	410	0.5	0.5	0.5	0.6	0.6	+	+	+	0
27	0	14	298	0.5	0.5	0.5	0.6	0.6	+	+	+	0
28	0	0.2	163	0.5	0.5	0.5	0.6	0.6	+	+	+	0
29	0	0.2	72	0.5		0.5	0.6	0.6	+	+	+	0
30	0	0.2	50	0.5		0.5	0.6	0.6	+	+	+	0
31	0		40	0.5		0.5		0.6		+	+	
	0	853	*1039	1071	34.5	15.5	18.0	18.6	4.95	+	+	0
MEAN	0	27.6	33.5	3.45	1.23	0.50	0.60	0.60	0.16	0	0	0
ACRE-FEET	0	1690	2,060	212	68	31	36	37	10	0	0	0

Remarks: + = c.f.s. or less. Low flows are measured by V-Notch wier in Pasadena Water Department tunnel.

YEAR OR PERIOD MEAN 5.73
ACRE-FEET 4,140

Stage discharge during low flows very unreliable.

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, 11.28 FEET. FORMER STATION F38-R WAS AT CENTINELA BOULEVARD, 1 MILE DOWNSTREAM.

DRAINAGE AREA: 111 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - HEAVY ADOBE OVERLAID WITH COARSE GRAVEL AND SAND, WITH ROCK PAVED LEVEES ON A 3 TO 1 SLOPE. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED AT STATION F38-R FEBRUARY 27, 1928. RECORDER REMOVED APRIL 27, 1936. INSTALLED AT STATION F38B-R MAY 14, 1936 OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL.
AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: STONE CANYON RESERVOIR, UPPER AND LOWER FRANKLIN CANYON RESERVOIRS, HOLLYWOOD RESERVOIR AND SILVER LAKE 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, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 7750 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW, JUNE 3.

1946-1947
MAXIMUM 9630 SECOND-FEET, DECEMBER 25.
MINIMUM 0.7 SECOND-FEET, APRIL 13.

1928-1947 (STATIONS F38-R AND F38B-R)
MAXIMUM 19,000 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT NEAR Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
860	10/3	922A / 930A	BOLLINGER	10.0	6.76	0.92	1.14	6.2		.6	8	-0.01	FC6
861	10/10	900A / 910A	"	11.0	6.90	0.83	1.02	5.7		.6	10	+0.01	"
862	10/18	910A / 918A	"	10.0	6.54	1.13	1.10	7.4		.6	8	0	"
863	10/25	952A / 1002A	"	9.5	7.24	1.32	1.20	9.6		.6	9	-0.05	"
864	11/1	944A / 952A	"	12.0	7.51	1.09	1.03	8.2		.6	10	-0.02	"
865	11/8	947A / 956A	"	10.0	6.45	1.04	1.00	6.7		.6	9	-0.01	"
866	11/15	1003A / 1012A	"	11.0	6.82	0.94	0.96	6.4		.6	10	0	"
867	11/21	1028A / 1038A	"	12.5	7.66	0.85	0.97	6.5		.6	10	0	"
868	11/29	913A / 923A	"	12.5	8.13	1.07	1.02	8.7		.6	10	+0.05	"
869	12/7	919A / 928A	"	12.0	7.32	0.97	0.92	7.1		.6	10	0	"
870	12/13	1020A / 1029A	"	12.0	6.31	0.78	0.86	4.9		.6	10	+0.01	"
871	12/20	923A / 933A	"	12.0	5.80	1.00	0.94	5.8		.6	9	-0.01	"
872	12/21	1033P / 1058P	BOLLINGER ECKERT	85.0	355.	4.76	6.08	1690.		.6	14	-0.95	"
873	12/22	240A / 310A	BOLLINGER ECKERT	88.0	388.	5.54	6.60	2150.		.6	14	-1.80	"
874	12/23	900A / 922A	BOLLINGER ECKERT	48.0	180.	2.43	3.42	438.		.6	10	-0.41	"
875	12/27	832A / 842A	BOLLINGER	16.0	7.77	0.96	0.91	7.5		.6	9	+0.01	"
876	1/3	1015A / 1028A	"	17.5	12.4	1.52	1.17	18.9		.6	10	-0.02	"
877	1/10	950A / 1000A	"	13.5	7.68	0.86	0.88	6.6		.6	9	0	"
878	1/17	1140A / 1148A	"	13.0	6.83	1.30	0.92	8.9		.6	9	+0.02	"
879	1/24	1025A / 1035A	"	13.2	8.15	0.81	0.94	6.6		.6	11	-0.01	"
880	1/31	406P / 417P	"	10.0	5.38	0.63	0.80	3.4		.5	9	+.02	"
881	2/4	1123A / 1132A	"	12.5	6.92	1.24	0.95	8.6		.5	10	0	"
882	2/7	224P / 232P	"	11.5	4.13	1.79	0.92	7.4		.5	8	+ .01	"
883	2/14	242P / 250P	BOLLINGER	10.0	3.50	1.37	0.84	4.8		.5	8	0	FC6
884	2/21	1135A / 1143A	"	9.5	4.45	1.24	0.87	5.5		.5	8	0	"
885	2/28	1122A / 1133A	"	11.5	5.17	1.18	0.90	6.1		.5	10	-.03	"
886	3/7	926A / 936A	"	10.0	4.65	1.25	0.90	5.8		.5	9	0	"
887	3/14	948A / 958A	"	10.5	4.90	1.20	0.90	5.9		.5	9	+ .01	"
888	3/19	250P / 300P	BOLLINGER ECKERT	16.0	11.2	1.93	1.15	21.6		.5	10	0	"
889	3/21	926A / 937A	BOLLINGER	10.4	5.58	1.85	0.98	10.3		.6	9	-0.01	"
890	3/28	830A / 857A	"	50.0	265.	3.48	4.60	922.		.6	9	-1.06	"
891	3/29	902A / 922A	"	21.5	29.5	1.17	1.34	34.5		.6	19	-.05	"
892	3/31	1019A / 1035A	ECKERT BOLLINGER	21.5	27.0	1.21	1.17	32.6		.6	11	-.02	"
893	4/4	935A / 946A	BOLLINGER	15.0	6.70	1.51	0.96	10.1		.6	11	+0.01	"
894	4/11	908A / 916A	"	11.5	5.75	1.01	0.90	5.8		.5	9	0	"
895	4/18	942A / 953A	"	15.7	9.23	0.90	0.95	8.3		.5	10	0	"
896	4/25	910A / 920A	"	14.0	7.20	0.79	0.89	5.7		.5	9	0	"
897	5/2	940A / 950A	"	12.0	5.45	1.01	0.88	5.5		.5	10	+ .02	"
898	5/16	904A / 912A	"	12.0	7.43	1.44	1.03	10.7		.5	9	0	"
899	5/23	945A / 952A	"	11.0	5.92	0.79	0.90	4.7		.5	8	0	"
900	5/31	915A / 922A	"	13.0	6.97	0.82	0.94	5.7		.5	7	-.01	"
901	6/6	1000A / 1012A	"	8.8	4.10	1.17	0.93	4.8		.5	9	0	"
902	6/13	855A / 906A	"	10.7	5.29	1.25	1.01	6.6		.5	9	0	"
903	6/20	913A / 921A	"	13.0	7.44	1.10	1.07	8.2		.5	10	0	"
904	6/27	902A / 912A	"	12.0	3.39	1.00	0.95	3.4		.5	9	0	"
905	7/3	1125A / 1140A	HAIG	10.5	3.65	0.82	0.91	3.0		.5	11	0	FC35
906	7/10	940A / 950A	HAIG	10.3	4.19	1.07	0.95	4.5		.5	8	0	FC35
907	7/17	1017A / 1025A	"	7.0	4.28	1.14	1.04	4.9		.5	9	0	"
908	7/25	833A / 843A	BOLLINGER	7.0	4.20	1.24	1.05	5.2		.6	8	0	FC6
909	8/1	712A / 721A	"	7.5	4.63	1.32	1.10	6.1		.5	8	0	"
910	8/8	756A / 805A	"	7.2	4.41	0.98	1.18	4.3		.5	7	0	"
911	8/14	850A / 907A	"	TWO CHANNELS			1.42	12.4		.6	14	0	"
912	8/21	833A / 839A	"	6.8	4.24	1.46	1.11	6.2		.5	7	0	"
913	8/29	803A / 811A	"	5.7	3.78	1.46	1.10	5.5		.6	7	0	"
914	9/5	837A / 843A	"	6.4	3.63	0.99	1.06	3.6		.6	7	-.01	"
915	9/12	908A / 915A	"	6.7	3.11	1.31	1.10	4.1		.6	7	0	"
916	9/19	913A / 923A	"	6.3	3.32	1.30	1.09	4.3		.6	7	0	"
917	9/26	835A / 845A	"	6.9	3.89	0.92	1.05	3.6		.6	7	0	"

DISCHARGE MEASUREMENTS OF BALLONA CREEK

AT NEAR Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
918	10-3	933A / 943A	BOLLINGER VAN DER GOOT	8.8	5.48	1.06	1.02	5.8		.6	9	0	FC6
919	10-10	937A / 947A	BOLLINGER	6.6	3.66	1.23	0.98	4.5		.6	7	0	"
920	10-17	936A / 946A	BOLLINGER	9.5	6.53	1.18	0.93	7.7		.6	9	0	"
921	10-24	1015A / 1026A	"	10.0	4.25	1.10	0.09	4.7		.6	9	-.02	"
922	10-27	902A / 917A	"	17.0	24.5	2.49	1.21	61.0		.6	13	-.16	"
923	11-7	1005A / 1014A	"	10.2	5.03	1.15	3.11	5.8		.6	10	0	"
924	11-12	245A / 333A	BOLLINGER-PAULL	80.0	212.	4.86	5.28	1030.		.6	15	+1.07	"
925	11-12	552A / 627A	" "	103.0	387.	5.63	5.83	2180.		.6	18	+.75	"
926	11-12	118P / 148P	" "	91.0	286.	5.28	5.99	1510.		.6	16	-.48	"
927	11-13	821A / 904A	" "	110.0	619.	8.22	9.42	5090.		.6	17	+.58	"
928	11-14	1054A / 1116A	" "	78.0	168.	4.31	4.04	729.		.6	13	-.47	"
929	11-15	1026A / 1039A	BOLLINGER	11.2	7.10	1.80	1.42	12.8		.6	10	+.05	"
930	11-20	755A / 838A	BOLLINGER-PAULL	107.0	537.	7.96	8.80	4270.		.6	17	+1.11	"
931	11-21	1040A / 1054A	BOLLINGER	TWO CHANNELS			1.04	9.8		.6	12	-.02	"
932	11-27	1022A / 1032A	"	17.0	13.1	1.11	1.82	14.6		.6	10	-.02	"
933	12-5	1010A / 1020A	"	15.0	10.0	0.67	1.01	6.7		.6	11	0	"
934	12-12	945A / 953A	"	10.5	3.63	1.79	1.32	6.5		.6	8	0	"
935	12-19	1240P / 1252P	"	9.5	3.35	1.61	1.00	5.4		.6	9	0	"
936	12-26	120A / 143A	BOLLINGER-PAULL	89.0	315.	7.11	6.10	2240.		.6	18	+.27	"
937	12-26	226P / 240P	" "	47.3	33.1	1.30	2.21	43.0		.6	15	0	"
938	1-2	354P / 403P	BOLLINGER	24.5	8.92	1.39	1.95	12.4		.6	10	0	"
939	1-9	400P / 412P	"	16.3	9.51	1.28	1.93	12.2		.6	10	0	"
940	1-16	424P / 433P	"	13.5	3.74	1.10	1.86	4.1		.6	8	+.01	"
941	1-23	318P / 328P	"	14.5	8.23	0.84	1.88	6.9		.6	9	0	"
942	1-28	305P / 311P	BOLLINGER-PAULL	61.0	96.0	1.93	2.78	186.		.6	10	-.05	"
943	1-30	407P / 417P	BOLLINGER	14.0	5.43	1.75	1.94	9.5		.6	11	0	"
944	2-6	436P / 445P	"	11.2	4.21	1.33	1.90	5.6		.6	9	0	"
945	2-10	918A / 930A	"	11.2	6.99	1.65	1.92	11.5		.6	8	0	"
946	2-13	410P / 420P	"	10.0	5.82	1.46	1.90	8.5		.6	8	0	"
947	2-20	351P / 400P	"	10.5	6.74	1.57	1.94	10.6		.6	9	0	"
948	2-27	358P / 407P	"	17.0	8.39	1.62	1.99	13.6		.6	9	0	"
949	3-5	1047A / 1118A	"	63.5	134.	2.60	3.18	349.		.6	12	-.41	"
950	3-6	423P / 431P	"	9.0	6.13	1.30	1.90	8.0		.6	8	0	"
951	3-13	425P / 435P	"	10.5	7.52	0.78	1.88	5.9		.6	7	0	"
952	3-20	927A / 938A	"	9.5	5.48	0.99	1.88	5.4		.6	8	0	"
953	3-27	930A / 941A	"	17.5	10.0	1.42	1.98	14.2		.6	13	-.01	"
954	4-3	907A / 915A	"	9.2	2.34	1.11	1.84	2.6		.6	7	0	"
955	4-10	913A / 921A	"	8.0	3.45	0.70	1.87	2.4		.6	7	0	"
956	4-18	1050A / 1058A	"	8.5	3.16	1.42	1.87	4.5		.6	8	0	"
957	4-24	1042A / 1050A	"	8.5	3.07	1.40	1.88	4.3		.6	8	-.01	"
958	5-1	905A / 915A	"	9.2	2.97	1.21	1.86	3.6		.5	8	-.01	"
959	5-8	957A / 1005A	"	8.3	3.05	1.48	1.87	4.5		.6	8	0	"
960	5-15	841A / 850A	"	6.4	3.49	1.46	1.86	5.1		.6	7	-.01	"
961	5-22	150P / 200P	"	7.6	3.88	1.57	1.88	6.1		.6	8	0	"
962	5-29	850A / 858A	"	6.5	3.50	1.06	1.85	3.7		.6	7	0	"
963	6-5	1055A / 1102A	"	7.5	4.34	1.45	1.88	6.3		.6	8	0	"
964	6-12	1046A / 1056A	"	9.5	5.91	1.07	1.87	6.3		.6	8	0	"
965	6-19	845A / 858A	"	8.0	5.16	1.42	1.90	7.3		.6	8	+.02	"
966	6-26	1120A / 1127A	"	7.0	5.95	1.98	1.95	11.8		.6	7	+.02	"
967	7-3	957A / 1004A	"	6.5	4.56	1.51	1.90	6.9		.6	7	0	"
968	7-10	840A / 847A	"	6.2	4.53	1.48	1.89	6.7		.6	7	0	"
969	7-17	1030A / 1038A	"	7.0	5.25	1.31	1.89	6.9		.6	7	0	"
970	7-24	312P / 320P	BOLLINGER VAN DER GOOT	7.0	6.50	1.57	1.95	10.2		.6	8	0	"
971	7-30	1015A / 1025A	MOON	7.0	4.95	1.41	1.90	7.0		.6	7	0	FC22
972	8-6	945A / 951A	"	4.5	4.52	1.81	1.92	8.2		.6	5	0	"
973	8-13	950A / 956A	"	5.5	4.40	1.57	1.90	6.9		.5	6	0	"
974	8-21	1110A / 1123A	BOLLINGER	5.7	5.31	1.54	1.94	8.2		.6	6	-.01	FC6
975	8-28	932A / 939A	"	5.5	4.71	1.38	1.90	6.5		.6	6	0	"
976	9-4	900A / 913A	"	6.0	5.15	1.48	1.90	7.6		.6	6	0	"
977	9-11	1045A / 1053A	"	5.5	4.42	0.93	1.87	4.1		.6	6	0	"
978	9-18	1055A / 1107A	"	19.0	9.94	1.09	1.98	10.8		.6	12	0	"
979	9-25	835A / 845A	"	5.5	4.43	1.08	1.90	4.8		.6	6	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8	7.8	8.3	7.2	5.4	8.6	21	7.2	7.2	4.1	7.0	5.4
2	8.4	8.0	7.2	7.8	6.5	9.0	107	8.9	6.5	4.9	6.5	6.5
3	9.0	8.0	8.0	18	597	6.5	13	7.5	7.0	4.7	6.5	6.7
4	8.9	7.8	24	9.2	b 12	7.2	10	7.5	8.0	4.9	5.6	7.2
5	9.7	8.0	11	22	7.5	8.1	10	6.7	8.0	6.3	6.0	6.0
6	50	39	11	7.5	7.0	8.3	49	6.7	7.0	6.0	5.1	7.0
7	7.8	8.0	9.4	7.8	8.0	7.8	9.2	7.2	7.2	4.9	5.1	6.5
8	6.7	6.3	7.8	8.0	7.5	8.3	6.0	7.8	7.2	5.6	5.6	4.5
9	8.8	6.3	7.5	7.8	7.2	7.8	6.3	8.3	6.0	6.3	7.5	4.7
10	9.3	6.7	7.2	8.0	6.3	8.0	6.5	8.6	6.3	6.0	7.0	5.4
11	14	6.3	30	8.0	7.5	7.2	6.7	8.6	7.2	6.3	9.2	4.5
12	7.5	6.7	7.8	7.8	7.2	8.9	7.0	7.2	8.9	6.3	9.7	5.4
13	6.7	7.2	7.0	7.2	6.7	24	7.2	7.8	8.3	6.0	6.7	5.8
14	5.8	7.8	7.5	9.2	6.4	8.3	6.7	8.0	8.3	5.1	7.5	6.7
15	7.4	7.8	7.5	9.2	21	7.8	8.3	8.9	8.3	4.9	8.3	4.1
16	6.9	8.0	6.5	8.3	12	7.0	9.4	9.7	6.5	5.8	8.3	5.4
17	7.2	8.3	6.5	9.4	7.5	6.3	10	9.4	7.2	5.8	8.6	6.0
18	7.0	7.2	6.5	9.2	7.0	7.0	9.7	8.3	8.0	5.6	9.2	5.8
19	7.2	8.0	7.2	8.9	6.7	339	9.2	7.5	8.0	5.8	9.2	6.0
20	6.7	8.6	6.7	8.3	7.5	188	8.6	8.0	9.2	5.6	9.7	6.3
21	6.7	8.3	1010	7.8	7.2	f34	8.3	7.8	7.8	4.9	11	6.5
22	6.7	7.2	1830	7.2	7.2	8.6	9.7	7.0	7.8	6.0	9.2	5.1
23	7.4	7.8	681	6.5	8.0	9.2	9.2	7.5	6.7	5.8	8.0	6.5
24	6.3	8.3	35	7.0	7.0	9.4	8.6	7.8	5.1	7.0	8.0	5.6
25	8.0	7.5	66	7.2	7.8	9.2	7.5	7.2	5.8	6.3	5.6	5.4
26	7.5	7.8	9.4	7.5	7.2	8.6	7.2	6.3	6.0	5.8	7.5	4.7
27	7.2	8.9	9.2	6.5	8.0	9.2	7.5	6.7	5.6	5.6	7.8	6.3
28	7.2	9.7	8.6	7.8	7.8	366	6.0	7.8	4.5	4.9	6.5	6.3
29	82	41	8.9	8.3		149	6.5	7.2	4.9	6.7	6.7	6.0
30	67	9.2	7.8	6.5		f844	7.0	7.0	3.8	7.2	6.5	6.5
31	9.7		8.9	5.6		42		7.5		7.2	6.3	
	4185		3869.4		814.1		3983		2083		2314	
		297.5		266.7		21723		239.6		178.3		174.8
MEAN	13.5	9.92	125.	8.6	29.1	70.1	13.3	7.73	6.94	5.75	7.46	5.83
ACRE-FEET	830.	590.	7,670.	529	1,610.	4,310.	790.	475.	413.	354.	459.	347.

Remarks:

YEAR OR PERIOD MEAN 25.4
ACRE-FEET 18,380

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

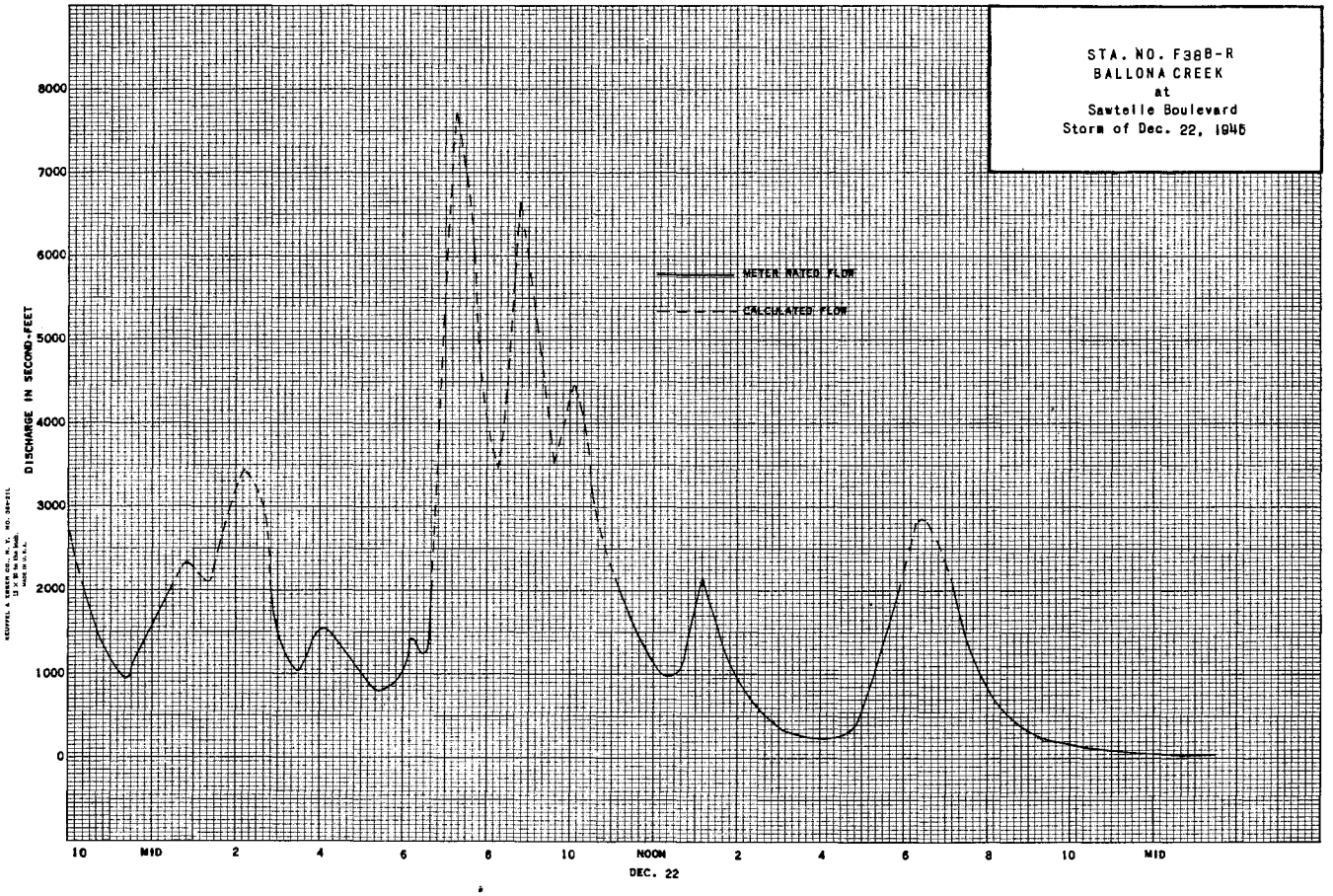
Sta. No. F 38 B-R

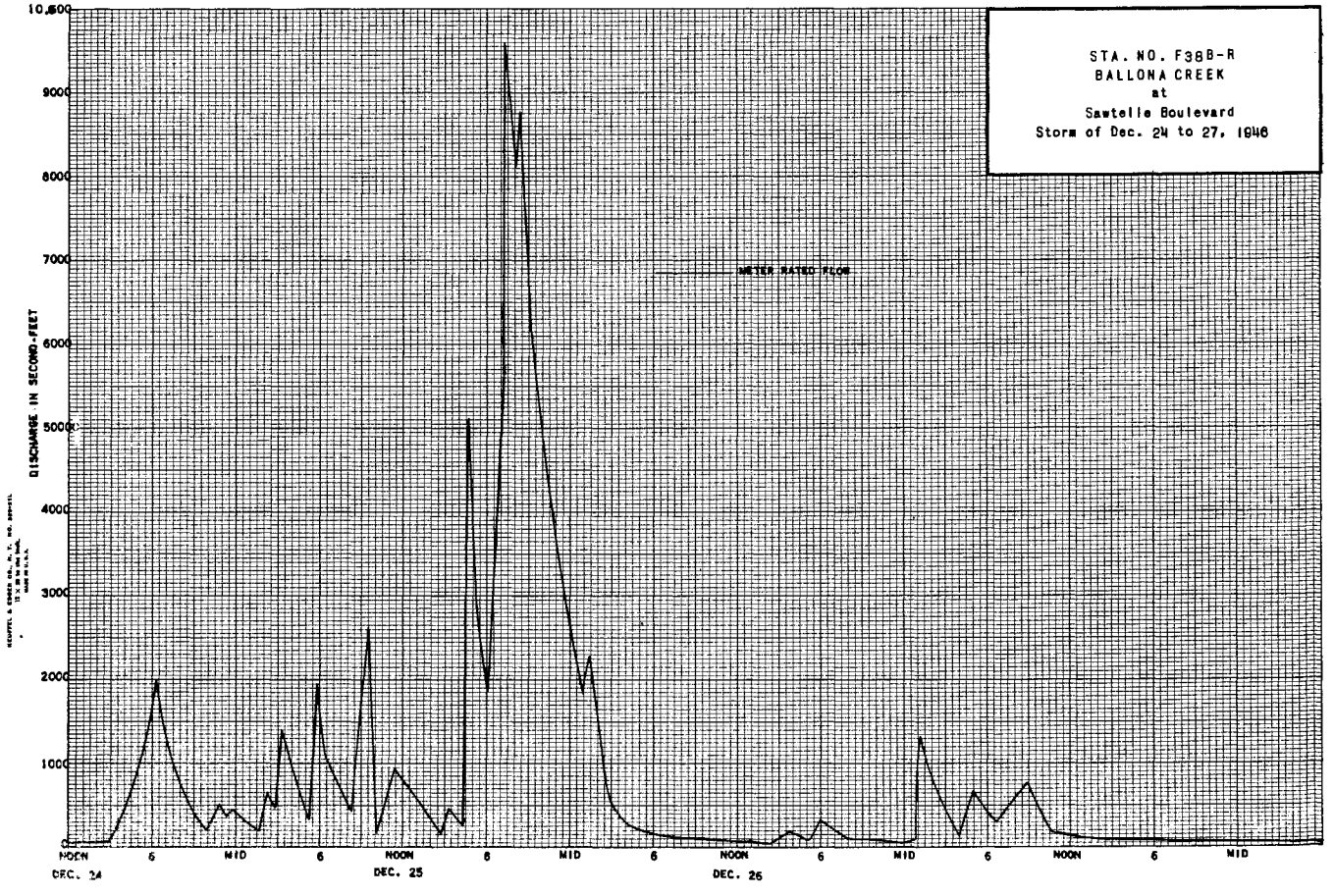
Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	175	d 5.8	d 11	7.0	8.0	5.6	5.6	10	8.0	12	13	13
2	7.8	5.8	10	10	7.0	3.5	5.6	13	8.0	9.0	11	10
3	7.5	5.8	9.0	9.0	5.6	25	13	11	10	12	11	11
4	6.7	5.8	d 8.0	10	6.3	11	8.0	7.0	10	10	8.0	10
5	8.3	5.8	9.2	5.6	6.3	183	5.6	10	11	9.0	11	11
6	6.0	5.8	263	9.0	6.3	8.0	4.9	10	11	7.0	10	7.0
7	6.7	5.8	d 6.5	10	5.6	9.0	5.6	9.0	10	10	10	7.0
8	7.0	5.8	6.5	9.0	7.0	6.3	8.0	9.0	8.0	12	12	10
9	7.0	5.8	6.5	11	440	6.3	7.0	10	10	11	11	9.0
10	7.0	d 5.8	6.5	10	16	6.3	8.0	17	11	12	9.0	7.0
11	7.2	668	6.5	10	8.0	8.0	6.3	8.0	11	10	9.0	9.0
12	6.3	1430	6.5	8.0	9.0	7.0	7.0	11	11	11	12	9.0
13	6.3	1090	6.3	9.0	8.0	6.3	4.9	10	11	9.0	11	9.0
14	5.4	759	6.2	10	7.0	7.0	6.3	11	11	11	13	7.0
15	3.8	14	6.0	7.0	8.0	6.3	7.0	10	8.0	9.0	13	8.0
16	100	9.7	5.9	6.3	5.6	4.2	7.0	11	10	9.0	12	11
17	7.5	7.5	5.7	9.0	7.0	7.0	8.0	11	12	10	7.0	18
18	6.5	5.4	d 5.6	10	12	6.3	10	8.0	10	12	12	16
19	7.0	44	6.0	7.0	8.0	6.3	10	10	9.0	12	10	8.0
20	6.7	767	6.3	9.0	9.0	32	6.3	9.0	9.0	10	5.6	7.0
21	7.2	14	6.3	10	11	24	8.0	10	9.0	8.0	7.0	4.9
22	8.0	b 8.6	5.6	9.0	6.3	8.0	12	10	8.0	8.0	12	6.3
23	b. 8.0	930	5.8	9.0	7.0	5.6	9.0	12	8.0	9.0	13	7.0
24	7.3	d 15	244	10	16	8.0	9.0	8.0	8.0	10	9.0	7.0
25	7.3	15	1960	11	12	12	7.0	8.0	9.0	9.0	13	8.0
26	b 7.3	15	334	9.0	6.3	18	7.0	10	12	11	10	9.0
27	d 4.3	d 15	245	10	9.0	34	2.8	24	11	8.0	11	7.0
28	5.8	14	18	283	8.0	142	7.0	11	11	10	9.0	4.9
29	5.8	13	12	12		7.0	10	8.0	9.0	13	10	7.0
30	5.8	12	11	9.0		3.5	9.0	7.0	11	11	12	8.0
31	d 5.8		11	10		5.6		9.0		13	9.0	
	507.0		3249		665.3		224.9		295.0		325.6	
		590.4.2		557.9		622.1		322.0		317.0		266.1
MEAN	16.4	197	105	18.0	23.8	20.1	7.50	10.4	9.83	10.2	10.5	8.87
ACRE-FEET	1,010	11,710	6,450	1,110	1,320	1,230	446	639	585	629	646	528

Remarks:

YEAR OR PERIOD MEAN 36.3
ACRE-FEET 26,300


STA. NO. F38B-R
BALLONA CREEK
at
Sawtelle Boulevard
Storm of Dec. 22, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
8000
7000
6000
5000
4000
3000
2000
1000
0
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
DEC. 22


STA. NO. F38B-R
BALLONA CREEK
at
Sawtelle Boulevard
Storm of Dec. 24 to 27, 1945
METER RATED FLOW
DISCHARGE IN SECOND-FEET
10,000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
NOON
6
MID
6
NOON
6
MID
6
NOON
6
MID
6
NOON
6
MID
DEC. 24
DEC. 25
DEC. 26

STATION F120-R
BIG DALTON CREEK below Big Dalton Dam

LOCATION: WATER-STAGE RECORDER. LAT. 34°10'12", LONG. 117°48'33". ON THE LEFT (SOUTHEAST) BANK ABOUT 200 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. STATION MOVED ABOUT 200 FEET DOWNSTREAM ON DECEMBER 23, 1946.

DRAINAGE AREA: 4.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND ROCK LINED WITH WILLOWS. CONTROL - CONCRETE CUTOFF WITH A C.POLLETTI WEIR AND A REMOVABLE V-NOTCH WEIR. ON DECEMBER 23, 1946 A NEW CONCRETE BROAD-CRESTED WEIR TYPE CONTROL WAS COMPLETED.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGH FLOWS.

RECORDER: INSTALLED JUNE 3, 1940 OVER AN 18 INCH CORRUGATED IRON PIPE STILLING WELL. REINSTALLED OVER A 4 FT. X 4 FT. CONCRETE WELL DECEMBER 23, 1946. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO JANUARY 7, 1947. AN H.C.F. RECORDER WAS IN SERVICE FROM JANUARY 7, 1947 TO SEPTEMBER 30, 1947.

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, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 34 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW PART OF YEAR.

1946-1947
MAXIMUM ESTIMATED 30 SECOND-FEET, OCTOBER 3.
MINIMUM NO FLOW PART OF YEAR.

1940-1947
MAXIMUM 111 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW PART OF YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

~~AT~~ NEAR below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
206	12/26	1132A / 1135A	BREWSTER	0.5	0.12	0.92	0.05	0.11		.6	1	0	FC12
207	4/3	952A / 958A	"	3.0	0.44	0.59	0.06	0.26		.6	3	0	"
208	4/10	950A / 955A	"	0.5	0.12	0.75	0.05	0.09		.6	1	0	"
209	4/17	1141A / 1145A	"	0.5	0.11	0.36	0.03	0.04		.6	1	0	"
210	4/24	926A / 930A	"	0.5	0.11	0.18	0.03	0.02		.6	1	0	"
211	5/1	1126A / 1130A	"	2.0	0.24	0.17	0.03	0.04		.6	2	0	"
212	5/8	926A / 930A	"	1.0	0.12	0.17	0.02	0.02		.6	2	0	"
213	5/15	1040A / 1045A	"	1.0	0.12	0.17	0.02	0.02		.6	2	0	"
214	5/22	910A / 915A	"	1.0	0.12	0.17	0.02	0.02		.6	2	0	"
215	5/29	905A / 910A	"	1.0	0.12	0.17	0.13	0.02		.6	2	0	"
216	6/26	1033A / 1045A	"	5.0	2.59	1.00	0.93	2.6		.6	5	0	"
217	7/3	1048A / 1100A	"	5.0	2.81	0.93	0.93	2.6		.6	5	0	"
218	7/10	838A / 850A	"	5.0	2.71	0.96	0.92	2.6		.6	5	0	"
219	7/17	915A / 925A	"	5.0	2.74	0.77	0.90	2.1		.6	5	0	"
220	7/24	1146A / 1158A	"	5.0	2.64	0.87	0.90	2.3		.6	5	0	"
221	7/31	1248P / 100P	"	6.0	1.58	1.20	0.88	1.9		.6	6	0	"
222	8/7	900A / 908A	BONADIMAN	6.5	1.74	1.67	1.04	2.9		.6	7	0	FC19
223	8/14	202P / 210P	"	5.5	1.42	1.62	1.00	2.3		.6	6	0	"
224	8/14	220P / 228P	"	5.5	1.45	1.52	1.00	2.2		.6	6	0	"
225	8/21	836A / 844A	"	6.5	1.60	1.56	0.99	2.5		.6	6	0	"
226	8/28	1220P / 1230P	BREWSTER	5.0	1.55	1.55	0.96	2.4		.6	5	0	FC12
227	9/4	908A / 920A	"	5.0	1.53	1.50	0.95	2.3		.6	5	0	"
228	9/10	1038A / 1050A	"	6.0	1.64	1.52	0.98	2.5		.6	6	0	"
229	9/18	1135A / 1147A	BREWSTER	5.0	1.67	1.50	0.98	2.5		.6	5	0	FC12
230	9/5	1018A / 1030A	"	5.0	1.61	1.55	0.98	2.5		.6	5	0	"

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

~~AT~~ NEAR below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
231	10-2	1130A / 1140A	BREWSTER	4.0	1.34	1.79	0.95	2.4		.6	4	0	FC12
232	11-13	100P / 104P	"	2.0	0.22	0.82	0.02	0.18		.6	2	0	"
233	11-20	344P / 350P	BREWSTER- VINES	4.0	1.60	1.38	0.12	2.2		.6	4	0	"
234	11-27	1035A / 1040A	BREWSTER	2.0	0.30	0.53	0.04	0.16		.6	2	0	"
235	12-26	412P / 420P	BREWSTER - VINES	3.0	0.70	1.00	0.36	0.70		.6	3	0	"
236	12-30	950A / 1000A	BREWSTER	6.0	2.70	4.70	0.97	12.7		.6	4	0	"
237	12-31	1110A / 1120A	"	6.0	3.40	3.32	0.94	11.3		.6	4	0	"
238	12-31	223P / 235P	"	7.5	3.23	2.82	0.86	9.1		.6	7	0	"
239	1-2	350P / 405P	"	6.0	3.05	2.82	0.87	8.6		.6	6	0	"
240	1-7	217P / 235P	"	6.5	3.18	2.45	0.82	7.8		.6	7	0	"
241	1-8	1104A / 1110A	"	0.8	0.20	0.60	0.06	0.12		.6	2	0	"
242	7-7	320P / 330P	BREWSTER-WADDICOR	4.0	1.71	1.52	0.38	2.6		.6	4	0	"
243	7-9	905A / 915A	BREWSTER	4.0	1.78	1.46	0.42	2.6		.6	4	0	"
244	7-16	1235P / 1245P	"	4.0	1.42	1.55	0.31	2.2		.6	4	0	"
245	7-23	1010A / 1020A	"	4.0	1.51	1.52	0.28	2.3		.6	4	0	"
246	7-30	920A / 930A	"	4.0	1.52	1.45	0.28	2.2		.6	4	0	"
247	8-6	850A / 900A	"	4.0	1.55	1.42	0.28	2.2		.6	4	0	"
248	8-13	920A / 930A	"	4.0	1.40	1.57	0.29	2.2		.6	4	0	"
249	8-20	920A / 930A	"	4.0	1.43	1.47	0.28	2.1		.6	4	0	"
250	8-27	1055A / 1105A	"	4.0	1.45	1.52	0.31	2.2		.6	4	0	"
251	9-3	1020A / 1030A	"	4.0	1.69	1.54	0.29	2.6		.6	4	0	"
252	9-10	1010A / 1020A	"	4.0	1.44	1.53	0.30	2.2		.6	4	0	"
253	9-17	1005A / 1015A	"	4.0	1.51	1.46	0.32	2.2		.6	4	0	"

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F120-R

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	+	0	0	3.0	0.04	0	2.6	2.7	2.3
2	0	0	0	0	0	0	4.1	0.04	0	2.6	2.9	2.3
3	0	0	0	0.04	0.1	0	0.6	0.04	0	2.6	2.9	2.3
4	0	0	0	0.04	0	0	0.2	0.1	0	2.5	2.9	2.3
5	0	0	0	0.04	0	0	0.2	0.1	0	2.5	2.9	2.3
6	0	0	0	0	0	0	0.2	0.1	0	2.5	2.9	2.5
7	0	0	0	0	0	0	0.2	0.1	0	2.6	2.9	2.6
8	0	0	0	0	0	0	0.2	0.03	0	2.6	2.8	2.6
9	0	0	0	0	0	0	0.2	0.02	0	2.6	2.7	2.6
10	0	0	0	0	0	0	0.1	0.04	0	2.6	2.6	2.5
11	0	0	0	0	0	0	0.1	0.04	0	2.5	2.6	2.5
12	0	0	0	0	0	0	0.1	0.02	0	2.4	2.5	2.5
13	0	0	0	0	0	0	0.04	0.02	0	2.3	2.5	2.5
14	0	0	0	0	0	0	0.1	0.02	0	2.3	2.4	2.4
15	0	0	0	0	0	0	0.04	0.02	0	2.2	2.4	2.6
16	0	0	0	0	0	0	0.04	0.02	0	2.2	2.3	2.6
17	0	0	0	0	0	0	0.04	0.01	0	2.1	2.4	2.6
18	0	0	0	0	0	0	0.04	0.02	0	2.1	2.5	2.5
19	0	0	0	0	0	0	0.04	0.02	0	2.1	2.5	2.5
20	0	0	0	0	0	0	0.04	0.02	0.9	2.1	2.5	2.5
21	0	0	0.2	0	0	0	0.02	0.01	2.3	2.2	2.5	2.4
22	0	0	2.5	0	0	0	0.02	0.01	2.6	2.2	2.5	2.3
23	0	0	4.8	0	0	0	0.02	0	2.6	2.2	2.5	2.5
24	0	0	0.4	0	0	0	0.02	0	2.6	2.3	2.5	2.6
25	0	0	0.2	0	0	0	0.02	0.1	2.6	2.2	2.5	2.5
26	0	0	0.1	0	0	0	0.02	0	2.6	2.0	2.5	2.5
27	0	0	0.1	0	0	0	0.02	0.01	2.6	2.0	2.5	2.5
28	0	0	0.1	0	0	0	0.04	0.01	2.6	2.0	2.4	2.5
29	0	0	0.1	0		0	0.04	0.01	2.6	1.9	2.4	2.3
30	0	0	0.04	0		2.2	0.04	0	2.6	1.9	2.4	2.2
31	0		0.02	0		5.0		0		2.0	2.4	
	0	0	8.56	0.12	0.1	7.2	9.64	0.97	26.6	70.9	79.9	73.8
MEAN	0	0	0.28	0.004	0.004	0.23	0.33	0.03	0.89	2.28	2.58	2.46
ACRE-FEET	0	0	17.	0.24	0.20	14.	19.	1.9	53.	140.	158.	146.

Remarks:

YEAR OR PERIOD MEAN 0.76
ACRE-FEET 549.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 120-R

Daily discharge, in second-feet of RIG DALTON CREEK below Big Dalton Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	0	0	8.8	0	0	0	0	0	0	2.1	2.0
2	2.3	0	0	8.5	0	0	0	0	0	0	2.2	1.9
3	4.1	0	0	8.2	0	0	0	0	0	0	2.2	2.3
4	0	0	0	8.2	0	0	0	0	0	0	2.2	2.5
5	0	0	0	7.9	0	0	0	0	0	0	2.2	2.4
6	0	0	0	7.9	0	0	0	0	0	0	2.2	2.3
7	0	0	0	8.0	0	0	0	0	0	2.6	2.2	2.3
8	0	0	0	3.0	0	0	0	0	0	2.5	2.2	2.2
9	0	0	0	0.1	0	0	0	0	0	2.5	2.2	2.2
10	0	0	0	0.1	0	0	0	0	0	2.4	2.2	2.2
11	0	0	0	0.1	0	0	0	0	0	2.8	2.1	2.2
12	0	0.2	0	0.02	0	0	0	0	0	2.3	2.1	2.1
13	0	0.4	0	0	0	0	0	0	0	2.8	2.2	2.1
14	0	0.2	0	0	0	0	0	0	0	2.3	2.2	2.1
15	0	0	0	0	0	0	0	0	0	2.2	2.3	2.0
16	0	0	0	0	0	0	0	0	0	2.2	2.3	2.1
17	0	0	0	0	0	0	0	0	0	2.2	2.3	2.2
18	0	0	0	0	0	0	0	0	0	2.3	2.2	2.1
19	0	0	0	0	0	0	0	0	0	2.3	2.1	2.0
20	0	1.3	0	0	0	0	0	0	0	2.3	2.1	2.0
21	0	1.4	0	0	0	0	0	0	0	2.3	2.2	1.9
22	0	1.1	0	0	0	0	0	0	0	2.3	2.2	1.9
23	0	1.2	0	0	0	0	0	0	0	2.3	2.2	1.8
24	0	0.8	0	0	0	0	0	0	0	2.3	2.2	0.6
25	0	0.8	0.1	0	0	0	0	0	0	2.3	2.2	0
26	0	0.2	0.6	0	0	0	0	0	0	2.3	2.2	0
27	0	0.1	0.9	0	0	0	0	0	0	2.3	2.2	0
28	0	0.04	0.7	0	0	0	0	0	0	2.2	2.2	0
29	0	0.02	0.8	0		0	0	0	0	2.2	2.2	0
30	0	0.01	8.2	0		0	0	0	0	2.1	2.1	0
31	0		11	0		0		0		2.1	2.1	
	8.7	7.77	22.3	60.82	0	0	0	0	0	58.4	67.8	49.4
MEAN	0.28	0.26	0.72	1.96	0	0	0	0	0	1.88	2.19	1.65
ACRE-FEET	17	15	44	121	0	0	0	0	0	116	134	98

Remarks:

YEAR OR PERIOD MEAN 0.75
ACRE-FEET 545

STATION Ug-R
BIG DALTON CREEK near Mouth of Canyon

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

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 26 YEARS (1920-1946) 1.30 SECOND-FEET.
27 " " 47 1.27 " "

EXTREMES:
1945-1946
MAXIMUM DISCHARGE 166 SECOND-FEET DECEMBER 23. (GAGE HEIGHT 2.10 FEET).
NO FLOW FOR SEVERAL PERIODS.
1946-1947
MAXIMUM DISCHARGE 14 SECOND-FEET NOVEMBER 20. (GAGE HEIGHT 1.01 FEET).
NO FLOW FOR SEVERAL PERIODS.
1919-1947
MAXIMUM DISCHARGE ABOUT 850 SECOND-FEET MARCH 2, 1938. FROM RECORD OF RELEASE FROM BIG DALTON RESERVOIR. NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

REMARKS: 1945-1946, RECORDS FAIR. 1946-1947 RECORDS GOOD. REGULATION AT BIG DALTON FLOOD CONTROL DAM. GLENDORA IRRIGATING COMPANY DIVERTED 1.5 MILES ABOVE STATION. 1945-46 DIVERSION, 499 ACRE FEET. 1946-47 DIVERSION, 314 ACRE FEET.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 59 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

NEAR Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
938	10-9		U.S.G.S.				-.01	0.004		EST.			
939	10-10		"				-.01	.002		EST.			
940	12-29		"	5.0	1.34	0.57	.44	.76		.6	10	0	
941	1-9		BREWSTER	1.5	.51	1.04	.27	.53		.6	3	0	FC12
942	1-16		"	2.0	.59	.64	.22	.38		.6	4	0	"
943	1-23		"	2.0	.63	.71	.22	.45		.6	4	0	"
944	1-30		"	2.0	.57	.61	.19	.35		.6	4	0	"
945	1-30		U.S.G.S.	1.5	.44	.50	.17	.22		.6	3	0	
946	2-6		BREWSTER	1.5	.48	1.02	.27	.49		.6	3	0	FC12
947	2-7		U.S.G.S.	1.5	.42	.71	.23	.30		.6	4	0	
948	2-13		BREWSTER	1.5	.43	.77	.20	.33		.6	3	0	FC12
949	2-14		U.S.G.S.	1.5	.36	.61	.17	.22		.6	3	0	
950	2-20		BREWSTER	1.5	.44	.89	.20	.39		.6	3	0	FC12
951	2-20		U.S.G.S.	1.5	.42	.67	.18	.28		.6	3	0	
952	2-27		BREWSTER	1.5	.40	.85	.19	.34		.6	3	0	FC12
953	2-28		U.S.G.S.	1.5	.15	.93	.17	.14		.6	5	0	
954	3-6		BREWSTER	1.0	.24	1.04	.15	.25		.6	2	0	FC12
955	3-7		U.S.G.S.	1.0	.22	.91	.14	.20		.6	2	0	
956	3-13		BREWSTER	1.0	.24	.96	.15	.23		.6	2	0	FC12
957	3-14		U.S.G.S.	1.0	.20	.90	.13	.18		.5	4	0	
958	3-20		BREWSTER	1.0	.25	1.28	.20	.32		.6	2	0	FC12
959	3-21		U.S.G.S.	1.0	.26	1.28	.22	.33		.6	2	0	
960	3-27		BREWSTER	1.0	.24	1.00	.15	.24		.6	2	0	FC12
961	3-28		U.S.G.S.	2.0	0.36	0.94	0.26	0.34		.6	4	0	
962	3-31		"	8.0	3.07	1.04	.65	3.18		.6	14	0	
963	4-3		BREWSTER	5.0	1.99	1.03	.60	2.05		.6	5	0	FC12
964	4-4		U.S.G.S.	3.5	1.56	.92	.57	1.44		.6	7	0	
965	4-10		BREWSTER	3.0	1.37	.71	.44	.97		.6	5	0	FC12
966	4-12		U.S.G.S.	3.0	.98	.64	.37	.63		.6	6	0	
967	4-17		BREWSTER	3.0	1.20	.62	.36	.74		.6	6	0	FC12
968	4-18		U.S.G.S.	3.0	1.06	.52	.33	.55		.6	6	0	
969	4-24		BREWSTER	2.0	.77	.73	.30	.56		.6	4	0	FC12
970	4-25		U.S.G.S.	2.5	.49	.37	.20	.18		.6	5	0	
971	5-1		BREWSTER	1.5	.46	.50	.16	.23		.6	3	0	FC12
972	5-2		U.S.G.S.	1.5	.42	.33	.14	.14		.6	3	0	
973	5-8		BREWSTER	1.5	.40	.42	.12	.17		.6	3	0	FC12
974	5-10		U.S.G.S.	1.0	.15	.80	.12	.12		.6	2	0	
975	5-15		BREWSTER	1.0	.24	.67	.12	.16		.6	2	0	
976	5-16		U.S.G.S.	1.0	.22	.54	.12	.12		.6	2	0	
977	5-22		BREWSTER	1.0	.24	.75	.12	.18		.6	2	0	FC12
978	5-22		U.S.G.S.	1.0	.25	.56	.12	.14		.6	2	0	
979	5-28		"	1.0	.24	.46	.11	.11		.6	2	0	
980	5-29		BREWSTER	1.0	.22	.55	.11	.12		.6	2	0	FC12
981	6-6		"	1.0	.25	.32		.08		.6	2	0	"
982	6-6		U.S.G.S.	1.5	.14	.48	.07	.067		.5	5	0	
983	6-10		"	1.0	.20	.30	.06	.060		.6	2	0	
984	6-12		BREWSTER	1.0	0.22	0.18	0.05	0.04		.6	2	0	FC12
985	6-17		U.S.G.S.	.5	.18	.34	.03	.061		.6	2	0	
986	6-19		BREWSTER	.5	.10	.30	.02	.03		.6	1	0	FC12
987	6-24		U.S.G.S.	.5	.05	.16	.01	.008		.6	2	0	
988	6-26		BREWSTER	.5	.10	.20	.01	.02		.6	1	0	FC12
989	7-3		"	1.0	.12	.17	.00	.02		.6	2	0	"
990	8-15		U.S.G.S.				.00	.002		EST.			

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

AT OR NEAR near Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
991	11-13	1218P / 1230P	BREWSTER VINES	5.0	1.54	0.84	0.57	1.3		.6	5	0	FC12
992	11-13		U.S.G.S.	3.8	1.04	0.94	0.46	0.98		.5	15	0	
993	11-21		"	3.6	1.24	1.60	0.60	1.98		.6	7	0	
994	11-21	151P / 202P	BREWSTER	4.0	1.27	1.26	0.59	1.6		.6	4	0	FC12
995	11-27	1000A / 1010A	"	4.0	1.00	1.20	0.39	1.2		.6	4	0	"
996	11-27		U.S.G.S.	4.7	0.69	0.72	0.37	0.50		.6	9	0	
997	12-4	1002A / 1010A	BREWSTER	1.5	0.38	0.89	0.24	0.34		.6	3	0	FC12
998	12-5		U.S.G.S.	1.3	0.33	0.94	0.21	0.31		.6	6	0	
999	12-11	1006A / 1012A	BREWSTER	1.0	0.27	1.19	0.20	0.32		.6	2	0	
1000	12-11		U.S.G.S.	1.2	0.21	1.00	0.19	0.21		.6	5	0	
1001	12-18	1037A / 1045A	BREWSTER	1.0	0.24	1.00	0.14	0.24		.6	2	0	FC12
1002	12-19		U.S.G.S.	1.0	0.15	0.80	0.13	0.12		.6	2	0	
1003	12-26		"	6.0	1.93	1.55	0.63	3.00		.6	10	0	
1004	12-26	350P / 400P	BREWSTER VINES	5.0	1.98	1.52	0.63	3.0		.6	5	0	FC12
1005	12-31		U.S.G.S.	9.0	3.90	2.64	0.79	10.3		.6	8	-.01	
1006	1-2	324P / 340P	BREWSTER	7.0	4.22	2.39	0.77	10.1		.6	7	0	FC12
1007	1-3		U.S.G.S.	8.0	4.38	2.03	0.76	8.9		.6	8	0	
1008	1-8	1015A / 1027A	BREWSTER	4.0	2.10	0.95	0.60	2.0		.6	4	-.01	FC12
1009	1-15	940A / 950A	"	4.0	1.40	0.51	0.30	0.71		.6	4	0	"
1010	1-16		U.S.G.S.	2.3	0.78	0.67	0.28	0.52		.6	6	-.01	
1011	1-22	1010A / 1018A	BREWSTER	1.5	0.52	0.88	0.22	0.46		.6	3	0	FC12
1012	1-29	1007A / 1019A	"	2.0	0.87	0.83	0.32	0.72		.6	4	0	"
1013	1-30		U.S.G.S.	1.9	0.66	0.75	0.28	0.48		.6	6	0	
1014	2-5	850A / 902A	BREWSTER	2.0	0.63	0.81	0.20	0.51		.6	4	0	FC12
1015	2-11		U.S.G.S.	1.2	0.33	0.88	0.20	0.29		.5	7	0	
1016	2-11	938A / 944A	BREWSTER	1.0	0.32	1.16	0.20	0.37		.6	2	0	FC12
1017	2-19	926A / 932A	"	1.0	0.32	0.97	0.18	0.31		.6	2	0	"
1018	2-27	919A / 925A	"	1.0	0.28	1.07	0.18	0.30		.6	2	0	"
1019	2-27		U.S.G.S.	1.0	0.28	0.86	0.19	0.24		.5	5	0	
1020	3-6	1109A / 1115A	BREWSTER	1.0	0.29	1.00	0.20	0.29		.6	2	0	FC12
1021	3-13	928A / 938A	"	1.0	0.28	0.96	0.14	0.27		.6	2	0	"
1022	3-13		U.S.G.S.	1.0	0.23	0.61	0.11	0.14		.5	5	0	
1023	3-20	914A / 920A	BREWSTER	1.0	0.31	0.77	0.15	0.24		.6	2	0	FC12
1024	3-27	840A / 845A	"	1.0	0.28	0.75	0.12	0.21		.6	2	0	"
1025	3-28		U.S.G.S.	1.3	0.54	0.93	0.31	0.50		.6	7	0	
1026	4-3	919A / 925A	BREWSTER	1.0	0.32	0.91	0.16	0.29		.6	2	0	FC12
1027	4-10	846A / 852A	"	1.0	0.26	0.81	0.12	0.21		.6	2	0	"
1028	4-11		U.S.G.S.	0.8	0.21	0.45	0.08	0.094		.5	4	0	
1029	4-17	834A / 840A	BREWSTER	0.8	0.20	0.60	0.07	0.12		.6	2	0	FC12
1030	4-23	945A / 951A	"	0.8	0.24	0.75	0.10	0.18		.6	2	0	"
1031	4-25		U.S.G.S.	0.7	0.18	0.43	0.07	0.077		.5	4	0	
1032	4-30	145P / 150P	"	0.5	0.14	0.57	0.06	0.08		.6	1	0	FC12
1033	5-7	115P / 120P	"	0.5	0.11	0.55	0.05	0.06		.6	1	0	"
1034	5-9		U.S.G.S.	0.5	0.11	0.33	0.05	0.036		.5	4	0	
1035	5-15	755A / 800A	BREWSTER	0.5	0.11	0.45	0.05	0.05		.6	1	0	FC12
1036	5-21	1145A / 1150A	"	0.5	0.11	0.36	0.03	0.04		.6	1	0	"
1037	5-22		U.S.G.S.	0.5	0.12	0.17	0.02	0.020		.5	4	0	
1038	5-29	1235P / 1240P	BREWSTER	0.5	0.11	0.36	0.02	0.04		.6	1	0	FC12
1039	6-4	1120A / 1125A	"	0.5	0.12	0.17	0.01	0.02		.6	1	0	"
1040	6-5		U.S.G.S.	0.35	0.07	0.29	0.01	0.020		.5	3	0	
1041	6-11	940A / 944A	WADDICOR	0.5	0.08	0.25	0.01	0.02		.5	2	0	FC37
1042	7-9	1015A / 1020A	BREWSTER	0.6	0.20	1.25	0.18	0.25		.6	1	0	FC12
1043	7-15		U.S.G.S.	0.4	0.09	0.41	0.04	0.037		.5	4	0	
1044	7-16	146P / 152P	BREWSTER	0.5	0.11	0.55	0.02	0.06		.6	1	0	FC12

F. C. Dist. Form 23 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.6	0.2	0.2	2.4	0.2	0.1	0	0	0
2	0	0	0	0.6	0.2	0.2	2.4	0.2	0.1	0	0	0
3	0	0	0	0.6	1.6	0.2	2.0	0.2	0.1	0	0	0
4	0	0	0	0.6	0.8	0.2	1.8	0.2	0.1	0	0	0
5	0	0	0	0.5	0.5	0.2	1.8	0.2	0.1	0	0	0
6	0	0	0	0.5	0.4	0.2	1.7	0.2	0.1	0	0	0
7	0	0	0	0.6	0.4	0.2	1.6	0.2	0.1	0	0	0
8	0	0	0	0.6	0.3	0.2	1.4	0.2	0.1	0	0	0
9	0	0	0	0.6	0.3	0.2	1.1	0.2	0.1	0	0	0
10	0	0	0	0.6	0.3	0.2	0.9	0.2	0.1	0	0	0
11	0	0	0	0.6	0.3	0.2	0.8	0.2	0.1	0	0	0
12	0	0	0	0.5	0.3	0.2	0.8	0.2	0.1	0	0	0
13	0	0	0	0.5	0.3	0.3	0.7	0.2	0.1	0	0	0
14	0	0	0	0.4	0.3	0.2	0.7	0.2	0.1	0	0	0
15	0	0	0	0.4	0.3	0.2	0.7	0.2	0.1	0	0	0
16	0	0	0	0.4	0.4	0.2	0.6	0.2	0.1	0	0	0
17	0	0	0	0.3	0.3	0.2	0.6	0.2	0.1	0	0	0
18	0	0	0	0.3	0.3	0.2	0.6	0.2	0.1	0	0	0
19	0	0	0	0.3	0.3	0.3	0.6	0.2	0	0	0	0
20	0	0	0	0.4	0.3	0.4	0.6	0.2	0	0	0	0
21	0	0	0.6	0.4	0.3	0.4	0.5	0.2	0.1	0	0	0
22	0	0	1.6	0.4	0.3	0.3	0.5	0.2	0	0	0	0
23	0	0	2.6	0.4	0.3	0.3	0.4	0.2	0	0	0	0
24	0	0	3.7	0.4	0.3	0.3	0.4	0.1	0	0	0	0
25	0	0	2.1	0.3	0.3	0.2	0.4	0.1	0	0	0	0
26	0	0	1.6	0.2	0.3	0.2	0.3	0.1	0	0	0	0
27	0	0	1.1	0.3	0.3	0.2	0.2	0.1	0	0	0	0
28	0	0	0.9	0.3	0.3	0.3	0.2	0.1	0	0	0	0
29	0		0.8	0.3		0.3	0.2	0.1	0	0	0	0
30	0	0	0.7	0.3		5.7	0.2	0.1	0	0	0	0
31	0		0.6	0.3		3.4		0.1		0	0	
	0	0	54.1	13.5	10.5	16.0	27.1	5.4	1.9	0	0	0
MEAN	0	0	1.75	.44	.38	.52	.90	.17	.06	0	0	0
ACRE-FEET	0	0	107.	27.	21.	32.	54.	11.	3.8	0	0	0

Remarks:

YEAR OR PERIOD MEAN .35
ACRE-FEET 256.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 6-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.5	11	0.4	0.2	0.2	0.1		0	0	0
2	0	0	0.4	9.4	0.4	0.2	0.2	0.1		0	0	0
3	0.3	0	0.4	9.0	0.3	0.2	0.3	0.1		0	0	0
4	0.1	0	0.3	9.0	0.3	0.2	0.3	0.1		0	0	0
5	0.1	0	0.3	8.7	0.3	0.4	0.3	0.1	0.01	0	0	0
6	0	0	0.4	8.7	0.3	0.3	0.3	0.1		0	0	0
7	0	0	0.4	8.4	0.3	0.2	0.2	0.1		1.1	0	0
8	0	0	0.3	4.4	0.3	0.2	0.2	0.1		1.3	0	0
9	0	0	0.3	1.0	0.4	0.2	0.2	0.1		0.3	0	0
10	0	0	0.3	0.8	0.3	0.2	0.1	0.1		0.7	0	0
11	0	0	0.2	0.8	0.3	0.2	0.1	0.1		0.8	0	0
12	0	0.1	0.2	0.7	0.3	0.2	0.1	0.1	0	0.1	0	0
13	0	0.7	0.2	0.7	0.3	0.2	0.1	0.1	0	0.2	0	0
14	0	0.7	0.2	0.6	0.3	0.2	0.1	0.1	0	0.2	0	0
15	0	0.3	0.2	0.6	0.3	0.2	0.1	0.1	0	0.1	0	0
16	0	0.2	0.2	0.6	0.3	0.2	0.1	0.1	0	0.1	0	0
17	0	0.1	0.2	0.5	0.3	0.2	0.1		0	0	0	0
18	0	0.1	0.2	0.5	0.3	0.2	0.1		0	0	0	0
19	0	0.1	0.2	0.5	0.3	0.2	0.1		0	0	0	0
20	0	4.8	0.2	0.4	0.3	0.2	0.1		0	0	0	0
21	0	2.0	0.2	0.4	0.3	0.2	0.1		0	0	0	0
22	0	1.0	0.2	0.4	0.2	0.2	0.2		0	0	0	0
23	0	2.8	0.2	0.4	0.2	0.2	0.1		0	0	0	0
24	0	2.6	0.2	0.4	0.2	0.2	0.1	0.03	0	0	0	0
25	0	1.8	1.6	0.4	0.2	0.2	0.1		0	0	0	0
26	0	1.1	4.0	0.4	0.2	0.2	0.1		0	0	0	0
27	0	0.8	3.3	0.4	0.2	0.2	0.1		0	0	0	0
28	0	0.7	3.0	1.2	0.2	0.3	0.1		0	0	0	0
29	0	0.6	2.6	0.6		0.3	0.1		0	0	0	0
30	0	0.5	7.7	0.5		0.2	0.1		0	0	0	0
31	0		11	0.4		0.2				0	0	
	0.5	21.0	39.6	81.8	8.0	6.7	4.4	2.05	0.11	4.9	0	0
MEAN	0.02	0.70	1.28	2.64	0.29	0.22	0.15	0.066	0.004	0.16	0	0
ACRE-FEET	1.0	42	79	162	16	13	8.7	4.1	0.2	9.7	0	0

Remarks:

YEAR OR PERIOD MEAN 0.46
ACRE-FEET 336

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 - 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 BRIDGE.

RECORDER: INSTALLED NOVEMBER 11, 1940 OVER A 24 INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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 CO. DIVERTS FLOW FROM BOTH BIG AND LITTLE DALTON CANYONS.

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1450 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW PART OF YEAR.

1946-1947
MAXIMUM 328 SECOND-FEET, NOVEMBER 23.
MINIMUM NO FLOW PART OF YEAR.

1940-1947
MAXIMUM 2650 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF DALTON WASH

AT NEAR Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. INT. CHANGE TOTAL	METER NO.
130	12/6	224P / 230P	BREWSTER	3.0	0.44	0.41	1.75	0.18		.6	3	-.02	FC12
131	12/22	1035P / 1050P	COLE - ROCKENMEYER	28.5	20.5	3.80	2.90	78.0		.6	10	+.01	FC20
132	12/23	200P / 215P	BREWSTER	25.0	14.7	2.80	2.40	41.1		.6	7	-.01	FC12
133	1/10	220P / 230P	"	18.0	5.20	1.21	2.16	6.3		.6	5	-.02	"
134	1/17	215P / 225P	"	8.0	1.60	1.25	1.94	2.0		.6	4	-.02	"
135	2/3	145P / 200P	"	26.0	16.8	4.17	2.78	70.1		.6	6	+.35	"
136	2/3	345P / 400P	"	34.0	33.6	5.15	3.09	173.		.6	7	-.10	"
137	2/4	1230P / 1242P	"	20.0	5.9	1.41	2.14	8.3		.6	6	-.01	"
138	2/7	208P / 215P	"	4.00	0.72	0.83	1.82	0.60		.6	4	0	"
139	2/21	210P / 218P	"	4.00	0.74	0.46	1.76	0.34		.6	4	-.01	"
140	3/19	1000A / 1012A	"	16.0	6.30	2.06	2.27	13.0		.6	5	0	"
141	3/20	233P / 241P	WADDICOR - HOLMES	13.5	3.74	1.62	2.13	6.0		.6	7	0	FC22
142	3/21	237P / 245P	BREWSTER	3.0	1.13	1.33	1.95	1.5		.6	3	0	FC12
143	3/28	200P / 210P	"	10.0	2.40	1.21	2.02	2.9		.6	5	-.01	"
144	3/30	812A / 823A	COLE - HOLMES	30.5	22.9	4.85	3.00	111.		.6	8	+.04	FC20
145	3/30	1038A / 1050A	BREWSTER - COOLEY	28.0	23.6	3.94	2.70	93.1		.6	7	-.05	FC12
146	3/30	1247P / 101P	BREWSTER	28.0	32.6	5.40	3.30	176.		.6	6	-.04	"
147	3/31	111CA / 1120A	BREWSTER-COOLEY	9.0	1.73	1.16	1.99	2.0		.6	5	0	"
148	3/31	340P / 350P	" "	4.0	1.13	0.88	1.94	1.0		.6	4	-.01	"
149	5/28	1024A / 1030A	BREWSTER	3.0	0.44	0.41	1.84	0.18		.6	3	0	"

F. C. Dist. Form 52 4-46

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, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.1	0	0	2.5	0.5	0	0.2	0.1	0.1	0
2	0	0	1.7	0	0.9	2.9	1.3	0	0.1	0	0	0
3	0	0	1.1	0	38	3.9	0	0	0	0	0	0
4	0	0	1.0	0	6.8	2.1	0	0	0.1	0.1	0	0
5	0	0	0.6	3.1	0.6	2.1	0	0	0	0	0	0
6	0	0	0.6	4.2	0.7	0.9	0	0	0	0	0	0
7	0	0	0.6	4.8	0.6	0	0	0	0	0	0	0
8	0	0	1.2	6.3	0	0	0	0	0	0.1	0	0
9	0	0	2.4	12	0	0.8	0	0.1	0	0	0	0
10	0	0	1.1	12	0	2.9	0.1	0	0.1	0.1	0	0
11	0	0	0.2	9.5	0	3.6	0	0.1	0	0	0	0
12	0	1.6	0	9.1	0	4.0	0	0.1	0	0	0	0
13	0	1.9	0.8	9.5	0	0.8	0	0.1	0	0	0	0
14	0	0.7	1.8	9.5	0	2.4	0	0	0	0	0	0
15	0	0.2	2.4	8.3	0	2.0	0	0	0	0	0	0
16	0	2.2	1.8	2.6	0.2	1.5	0.6	0	0	0	0	0
17	0	1.5	0	2.5	0.2	2.5	0	0	0.1	0	0	0
18	0	1.1	0.2	0	0.2	1.4	0	0	0	0	0	0
19	0	0.3	1.0	1.9	0.4	5.8	0.5	0	0	0	0	0
20	0	0.4	0.8	0	1.3	2.9	0.8	0.1	0	0	0	0
21	0	0	8.9	0	0.8	1.5	0.2	0	0	0	0	0
22	0	0	229 b	0	0.8	0	0	0	0	0	0	0
23	0	0	177 b	0.1	1.0	0.9	0	0	0	0	0	0
24	0	0.6	0.8	0	2.7	2.2	0	0	0	0	0	0
25	0	0	0	0	2.4	3.0	0	0.1	0	0	0	0
26	0	0	0	0	1.2	1.3	0	0.4	0	0.1	0	0
27	0	0.2	0	0	1.5	0	0.1	0.3	0	0	0	0
28	0	0.2	0	0	2.2	4.8	0.2	0.2	0	0	0	0
29	0	0	0	0		2.1	0.2	0.2	0	0.1	0	0
30	0	0.4	0	0		5.6	0	0.4	0	0	0	0
31	0		0	0		2.6		0.3		0.1	0	
	0	113	516.2	95.4	62.5	119.4	4.5	2.4	0.6	0.7	0.1	0
MEAN	0	0.38	16.6	3.07	2.23	3.85	0.15	0.08	0.02	0.02	0.003	0
ACRE-FEET	0	22.	1020.	189.	124.	237.	8.9	4.8	1.2	1.4	0.2	0

Remarks:

YEAR OR PERIOD MEAN 2.22
ACRE-FEET 1,610

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

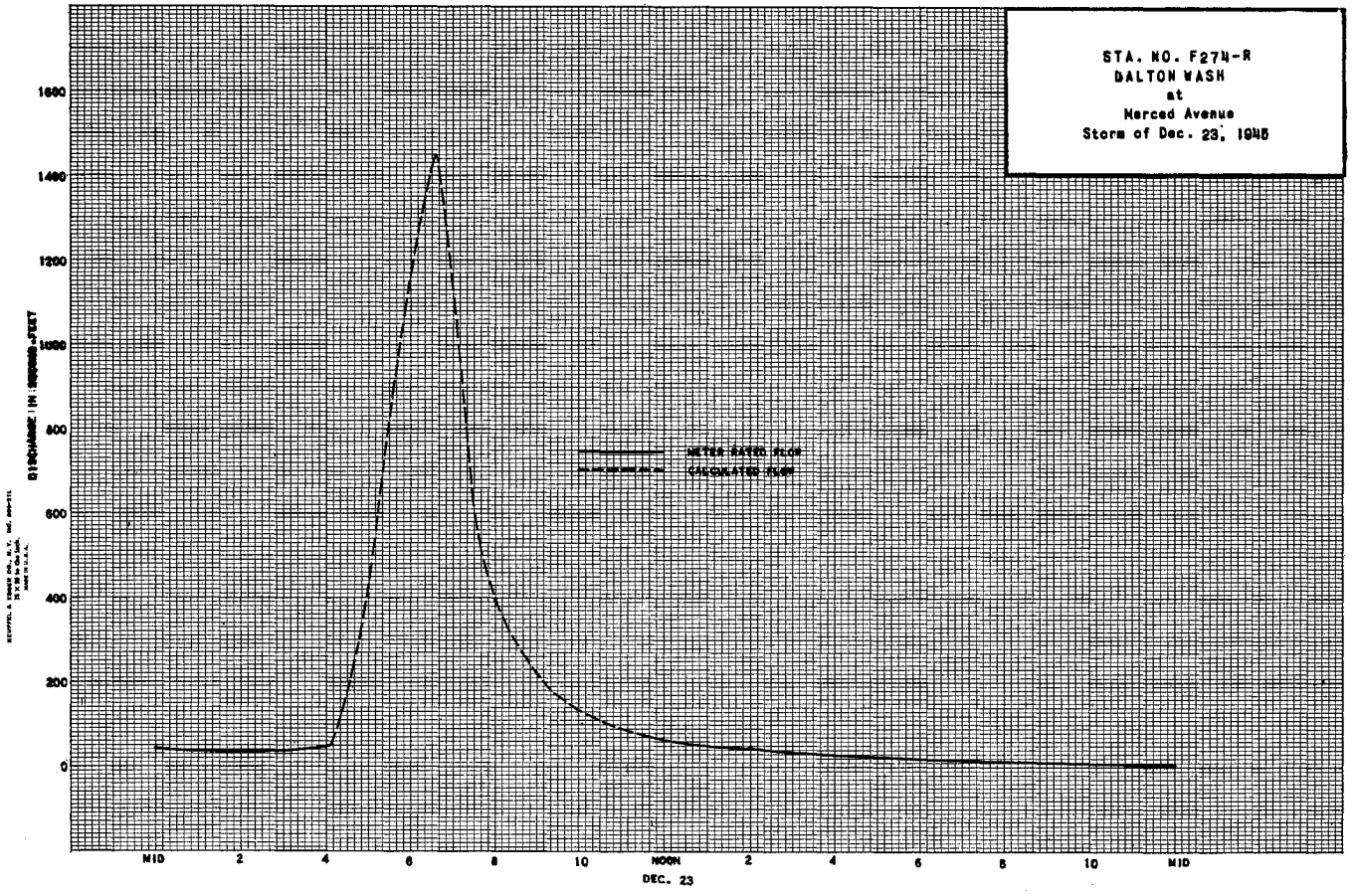
Sta. No. F 274-R

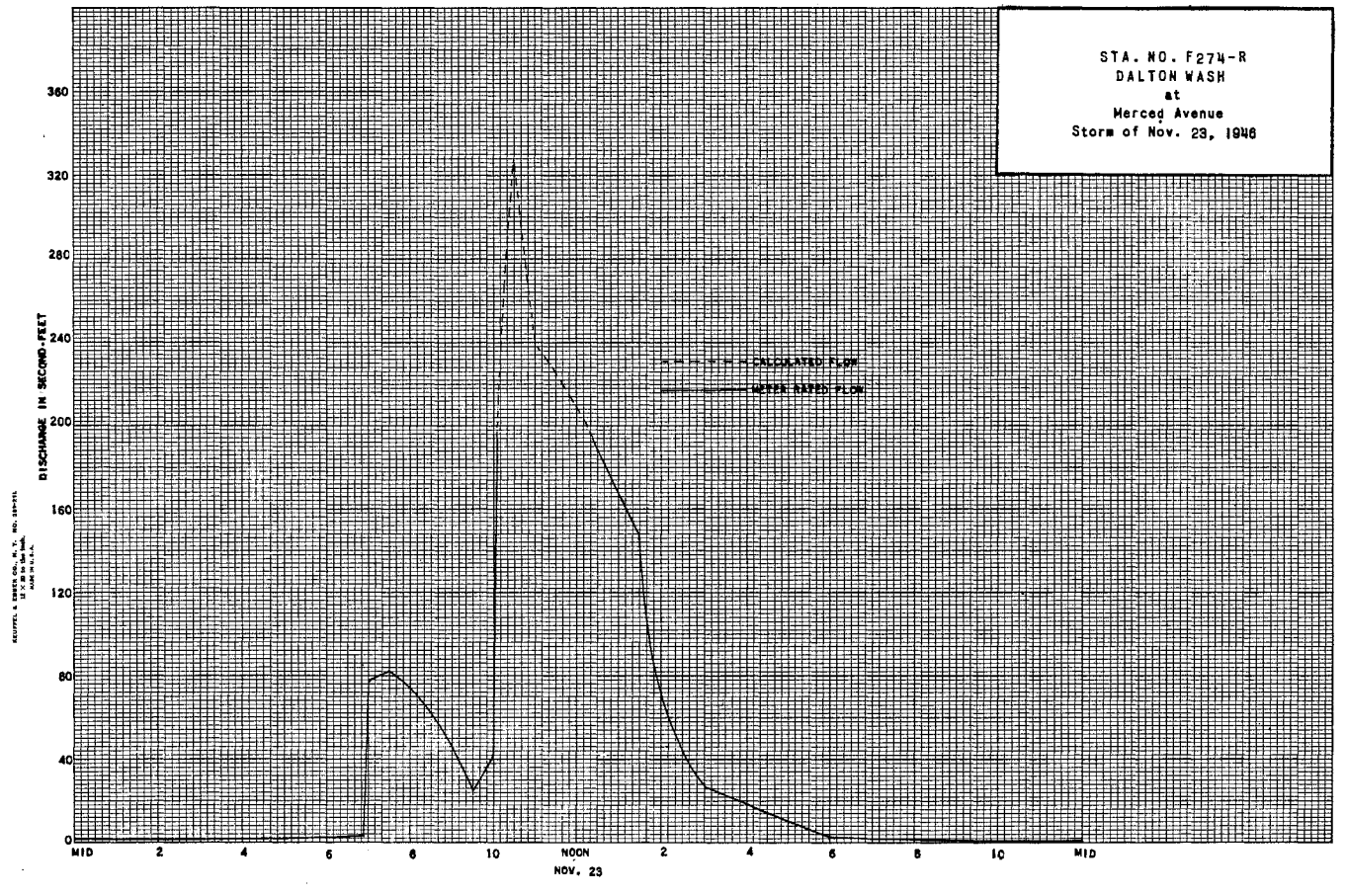
Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1.3	1.4	0	0	2.2	5.9	0	0	0	0	0
2	0	2.4	1.4	0.2	0	1.9	3.3	0	0	0	0	0
3	0	3.0	1.4	1.5	0	1.8	1.0	0	0	0	0	0
4	0	3.0	1.2	3.8	0	0.5	3.3	0	0	0	0	0
5	0	1.2	0.5	4.1	0	2.5	4.1	0	0	0	0	0
6	0	2.5	0.1	3.7	0	0.6	4.7	0	0	0	0	0
7	0	1.2	0	3.9	0	0.9	1.9	0	0	0	0	0
8	0	6.4	0	2.8	0.4	0.3	1.3	0	0	0	0	0
9	0	0.9	0	2.0	1.5	0.8	1.0	0	0	0	0	0
10	0	1.9	0	2.8	0.6	0.8	0	0	0	0	0	0
11	0	2.5	0	3.0	0.1	0.4	0.3	0	0	0	0	0
12	0	2.1	0	3.3	0	2.0	0	0	0	0	0	0
13	0	3.9	0	3.3	0.3	1.9	0	0	0	0	0	0
14	0	1.6	0	4.1	0.7	1.1	0	0	0	0	0	0
15	0	1.8	0	2.6	0	1.0	0	0	0	0	0	0
16	0	1.3	0	2.2	0	1.3	0	0	0	0	0	0
17	1.0	0	0	2.2	0	1.2	0	0	0	0	0	0
18	1.4	0	0	2.4	0.1	0.7	0	0	0	0	0	0
19	0	0	0	2.8	0.3	2.1	0	0	0	0	0	0
20	0	5.2	0	3.3	0.2	2.8	0	0	0	0	0	0
21	0	1.4	0	2.8	0	4.1	0	0	0	0	0	0
22	0	1.8	0	2.8	0	4.3	0	0	0	0	0	0
23	0	4.6	0	3.7	0	3.7	0	0	0	0	0	0
24	0	0.9	0	2.2	0.1	3.2	0	0	0	0	0	0
25	0	1.0	4.7	1.8	0.6	1.5	0	0	0	0	0	0
26	0	1.2	2.9	2.2	1.5	1.7	0	0	0	0	0	0
27	0	0.9	2.1	2.4	2.2	0	0	0	0	0	0	0
28	0	1.9	0	6.5	2.4	0.5	0	0	0	0	0	0
29	0.1	2.0	0	1.4		2.0	0	0	0	0	0	0
30	0	1.4	0	1.3		3.5	0	0	0	0	0	0
31	0.6		0	0.1		4.1		0		0	0	
	3.1	215.9	103.0	81.2	11.0	55.4	26.8	0	0	0	0	0
MEAN	0.10	7.20	3.32	2.62	0.39	1.79	0.89	0	0	0	0	0
ACRE-FEET	6.1	428	204	161	22	110	53	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.36
ACRE-FEET 984


STA. NO. F274-R
DALTON WASH
at
Merced Avenue
Storm of Dec. 23, 1945
METER RATED FLOW
CALCULATED FLOW
1600
1400
1200
1000
800
600
400
200
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
DEC. 23


STA. NO. F274-R
DALTON WASH
at
Merced Avenue
Storm of Nov. 23, 1946
DISCHARGE IN SECOND-FEET
CALCULATED FLOW
METER RATED FLOW
360
320
280
240
200
160
120
80
40
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
NOV. 23

STATION F111B-R
BIG TUJUNGA CREEK above Edison Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'18", LONG. 118°09'32", ON THE RIGHT (NORTHWEST) BANK 400 FEET ABOVE CROSSING OF EDISON ROAD, ABOUT 4 MILES UP. STREAM FROM BIG TUJUNGA DAM NO. 1, ELEVATION OF GAGE ABOUT 2410 FEET. FORMER STATION F111-R WAS ABOUT 300 FEET DOWNSTREAM.

DRAINAGE AREA: 67 SQUARE MILES.

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

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

RECORDER: INSTALLED ON NOVEMBER 30, 1930 AT STATION F111-R: REMOVED AUG. 17, 1932. INSTALLED ON SEPTEMBER 15, 1932 AT STATION F111B-R OVER A 24 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F111-R - NOVEMBER 30, 1930 TO AUGUST 17, 1932
AT STATION F111B-R - SEPTEMBER 15, 1932 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 1800 SECOND-FEET, MARCH 30.
MINIMUM 0.7 SECOND-FEET, VARIOUS TIMES.
1946-1947
MAXIMUM 1500 SECOND-FEET, DECEMBER 26.
MINIMUM 0.1 SECOND-FEET, AUGUST 7.
1930-1947 (STATIONS F111-R AND F111B-R)
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 14,800 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT NEAR above Edison Road DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
456	10/4	1130A / 1137A	GILLESPIE	3.2	1.84	0.87	5.85	1.6		.6	4	0	FC40
457	10/18	1250P / 1258P	"	.3.0	1.71	0.88	5.90	1.5		.6	5	D	"
458	11/1	120P / 125P	"	3.1	2.00	1.45	5.93	2.9		.6	3	0	FC37
459	11/8	1248P / 1256P	DEVORE - STUNDEN	3.0	1.88	1.44	5.95	2.7		.6	6	0	FC42
460	11/21	1111A / 1123A	DEVORE	3.0	1.94	1.39	5.95	2.7		.6	6	0	FC40
461	12/6	1043A / 1053A	"	3.3	2.09	1.48	5.97	3.1		.6	7	0	"
462	12/20	1047A / 1100A	"	3.2	1.97	1.73	5.98	3.4		.6	7	0	"
463	12/24	145P / 155P	STUNDEN	27.0	19.5	2.59	6.69	50.5		.6	8	0	"
464	12/26	235P / 249P	DEVORE	15.8	9.97	1.95	6.40	19.4		.6	9	0	"
465	1/3	1050A / 1104A	"	12.9	6.45	1.63	6.19	10.5		.6	9	0	"
466	1/10	950A / 1006A	"	11.3	4.93	1.46	6.09	7.2		.6	10	0	"
467	1/17	245P / 300P	"	11.2	4.92	1.42	6.07	7.0		.6	10	0	"
468	1/24	242P / 255P	"	11.3	4.87	1.41	6.06	6.8		.6	9	0	"
469	1/31	1021A / 1035A	"	11.3	4.25	1.34	6.03	5.7		.6	9	-0.01	FC42
470	2/4	215P / 230P	"	14.0	7.65	1.83	6.27	14.0		.6	10	0	FC40
471	2/14	1010A / 1028A	"	12.9	5.68	1.44	6.12	8.2		.6	13	0	"
472	2/28	1012A / 1028A	"	13.1	5.37	1.40	6.08	7.5		.6	10	0	"
473	3/14	1120A / 1138A	"	12.8	5.29	1.42	6.10	7.5		.6	10	0	"
474	3/28	202P / 222P	"	13.9	7.84	1.84	6.28	14.4		.6	13	0	"
475	4/1	1210P / 1250P	STUNDEN	30.0	36.6	3.44	7.22	126.		.6	15	-.01	FC36
476	4/11	920A / 932A	WADDICOR	24.5	17.3	1.85	6.52	31.8		.6	9	0	FC40
477	4/25	1015A / 1027A	"	14.0	8.38	1.52	6.28	12.7		.6	7	0	"
478	5/7	250P / 300P	WADDICOR - STUNDEN	13.2	6.84	1.30	6.17	8.9		.6	9	0	"
479	5/23	200P / 215P	STUNDEN	13.5	5.98	1.27	6.16	7.6		.6	13	0	FC40
480	6/6	110DA / 1115A	"	10.5	3.84	1.15	6.05	4.4		.6	8	0	"
481	6/18	1020A / 1035A	TURNER	8.2	4.62	0.65	5.98	3.0		.6	9	0	"
482	7/16	755A / 800A	"	4.5	1.02	0.95	5.81	1.0		.5	5	0	"
483	8/12	1110A / 1115A	"	4.3	0.96	0.83	5.78	0.80		.5	5	0	"
484	9/3	1035A / 1040A	"	4.4	1.04	0.77	5.79	0.80		.5	5	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT NEAR above Edison Road DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
485	10-8	1120A / 1125A	TURNER	4.4	1.53	1.05	5.89	1.6		.5	5	0.	FC40
486	11-15	1242P / 1253P	BLAKELY	23.0	16.3	1.86	6.57	30.3		.6	13	0	"
487	11-19	1042A / 1100A	TURNER-VAN DER GOOT	22.0	13.0	1.53	6.38	19.9		.6	12	0	"
488	11-21	1227P / 1237P	BLAKELY	35.3	28.0	2.73	6.88	76.5		.6	16	-.01	"
489	11-25	1238P / 1248P	"	26.5	21.9	2.47	6.74	54.0		.6	14	0	FC35
490	12-9	1110A / 1125A	TURNER	24.0	11.5	1.42	6.33	16.3		.6	13	0	FC40
491	12-28	1248P / 105P	BLAKELY	38.0	48.0	2.88	7.30	138.		.6	19	-.01	"
492	1-2	1130A / 1145A	TURNER	28.8	22.1	2.16	6.67	47.7		.6	14	0	"
493	1-21	1125A / 1140A	"	24.5	13.2	1.37	6.36	18.1		.6	13	0	"
494	2-5	1010A / 1025A	"	23.5	12.2	1.26	6.30	15.4		.6	12	0	"
495	2-18	1040A / 1055A	"	22.5	11.3	1.19	6.28	13.4		.6	12	0	"
496	3-14	100P / 110P	STUNDEN	14.0	7.16	1.51	6.22	10.8		.5 .6	8	0	"
497	4-11	1110A / 1125A	TURNER	18.0	12.4	0.65	6.21	8.0		.6	10	0	"
498	5-1	105P / 125P	STUNDEN	21.0	8.27	0.79	6.15	6.5		.5 .6	11	0	"
499	5-22	1040A / 1100A	"	20.0	5.92	0.64	6.05	3.8		.5	10	0	"
500	6-11	1135A / 1155A	"	18.0	5.28	0.55	5.99	2.9		.5	9	+.01	"
501	7-9	155P / 210P	"	2.0	0.56	1.23	5.84	0.69		.5	4	0	FC36
502	7-31	1240P / 1245P	"	1.8	0.37	0.73	5.81	0.27		.5	3	0	FC40
503	8-12	130P / 136P	TURNER	2.1	0.42	1.02	5.86	0.43		.5	5	0	FC43
504	9-10	105P / 112P	STUNDEN	1.8	0.57	1.30	5.89	0.74		.5	4	0	FC40

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111B-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Edison Road for the year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	2.9	2.9	9.8	5.8	6.6	137	11	5.4	1.9	0.8	0.8
2	1.4	2.6	2.9	9.8	5.8	6.6	107	11	5.1	1.9	0.7	0.8
3	1.5	2.3	2.7	11	37	6.4	b 98	10	4.8	1.8	0.7	0.8
4	1.6	2.1	2.9	9.4	17	6.4	87	10	4.4	1.8	0.7	0.8
5	1.9	2.1	3.1	9.8	11	6.1	78	10	4.1	1.8	0.8	0.8
6	2.0	2.9	2.9	8.6	9.4	6.1	70	9.8	3.9	1.6	0.9	0.8
7	2.4	2.9	2.9	8.6	9.0	6.1	60	9.4	3.8	1.6	0.9	0.8
8	2.0	2.7	2.9	8.2	8.2	5.8	52	9.4	3.9	1.5	0.8	0.8
9	1.9	2.7	2.9	7.8	8.6	5.6	43	10	3.8	1.5	0.8	0.8
10	1.9	2.6	2.9	7.4	8.6	5.4	b 36	11	3.8	1.5	0.8	0.8
11	1.9	2.7	2.9	7.0	8.6	5.4	f 31	11	3.4	1.4	0.7	0.8
12	1.8	2.6	3.2	7.0	8.6	5.4	28	9.4	3.2	1.2	0.8	0.8
13	1.6	2.6	3.2	7.0	8.2	7.8	27	9.0	3.1	1.2	0.8	0.7
14	1.5	2.6	3.2	7.0	7.8	7.0	24	9.0	2.9	1.1	0.8	0.7
15	1.5	2.7	3.2	7.0	8.6	5.8	22	9.0	2.7	1.1	0.7	0.7
16	1.4	2.7	3.2	7.0	9.8	5.6	21	9.0	2.7	1.0	0.8	0.8
17	1.4	2.7	3.2	7.0	8.2	5.4	20	8.6	2.7	0.9	0.8	0.9
18	1.4	2.7	3.4	7.0	8.2	5.4	18	8.6	2.6	1.0	0.7	0.9
19	1.2	2.6	3.4	7.0	8.2	23	17	7.8	2.3	1.2	0.7	0.9
20	1.2	2.6	3.4	7.0	8.2	17	17	7.8	2.3	1.6	0.8	0.9
21	1.2	2.6	133	6.6	8.2	12	16	7.4	2.3	1.2	0.8	0.9
22	1.2	2.6	331	6.6	8.2	10	15	7.8	2.4	0.9	0.8	0.9
23	1.4	2.6	277	6.6	7.8	14	13	7.8	2.3	0.9	0.7	0.9
24	1.4	2.6	58	6.4	7.8	14	13	7.8	2.3	1.1	0.7	0.8
25	1.5	2.6	30	6.4	7.8	11	12	7.8	2.3	1.2	0.7	0.8
26	1.5	2.6	20	6.4	7.4	9.4	12	7.8	2.4	1.0	0.7	0.8
27	1.6	2.6	16	6.4	7.4	8.2	12	7.8	2.3	0.8	0.7	0.9
28	1.8	2.6	14	6.4	7.4	12	12	7.0	2.3	0.8	0.7	0.9
29	3.2	2.7	12	6.4		25	12	6.6	2.3	0.7	0.8	1.4
30	5.1	2.9	10	5.8		1074	11	5.8	2.1	0.7	0.8	1.6
31	3.6		10	5.8		310		5.4		0.8	0.8	
	56.5	78.7	972.3	230.2	266.8	1648.5	1121	269.8	93.9	38.7	23.7	26.0
MEAN	1.82	2.62	31.4	7.43	9.53	53.2	37.4	8.70	3.13	1.25	0.76	0.87
ACRE-FEET	112.	156.	1,930.	457.	529.	3,270.	2,220.	535.	186.	77.	47.	52.

Remarks:

YEAR MEAN 13.2
OR
PERIOD ACRE-FEET 9,570.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

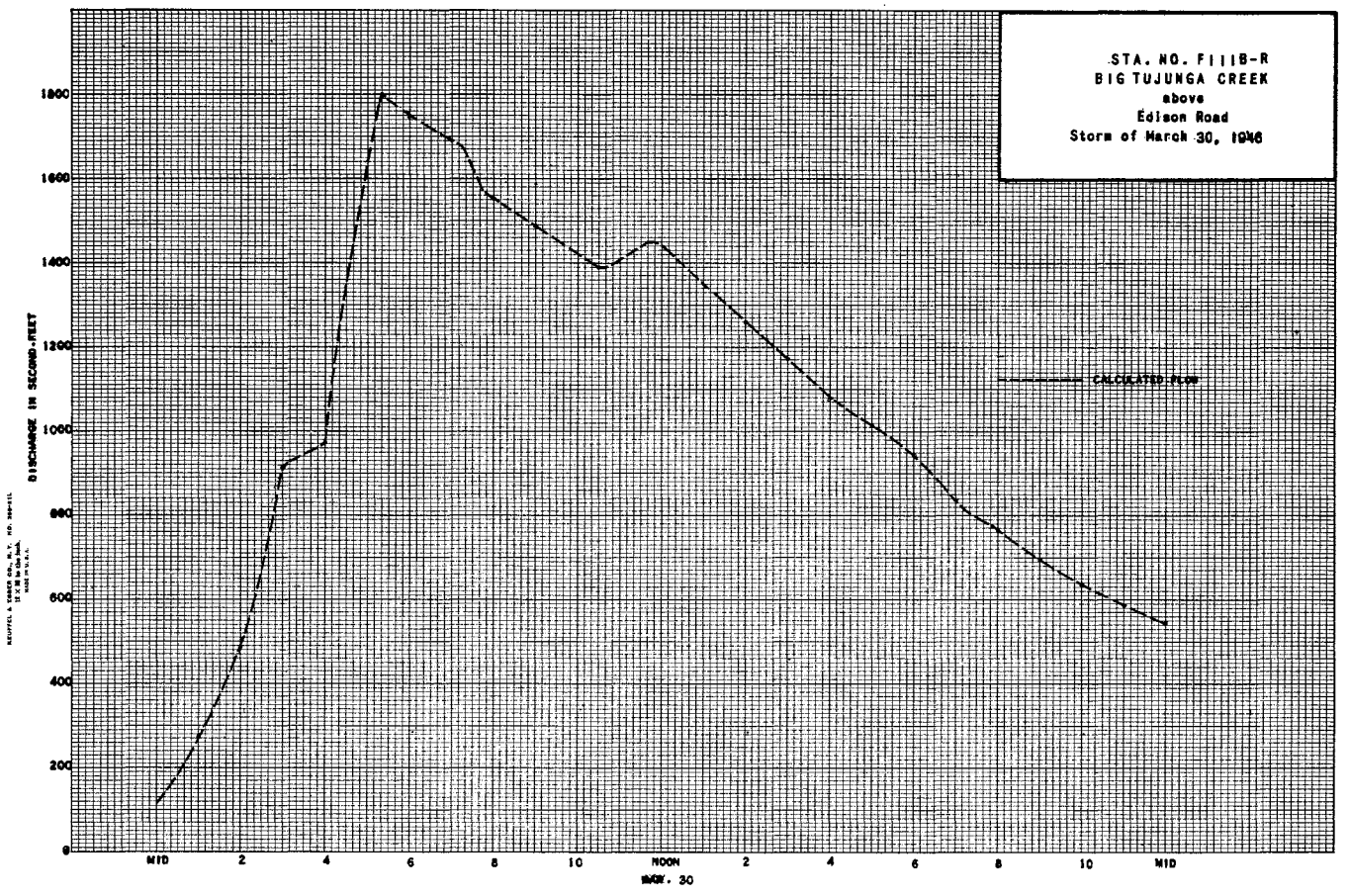
Sta. No. F 111B-R

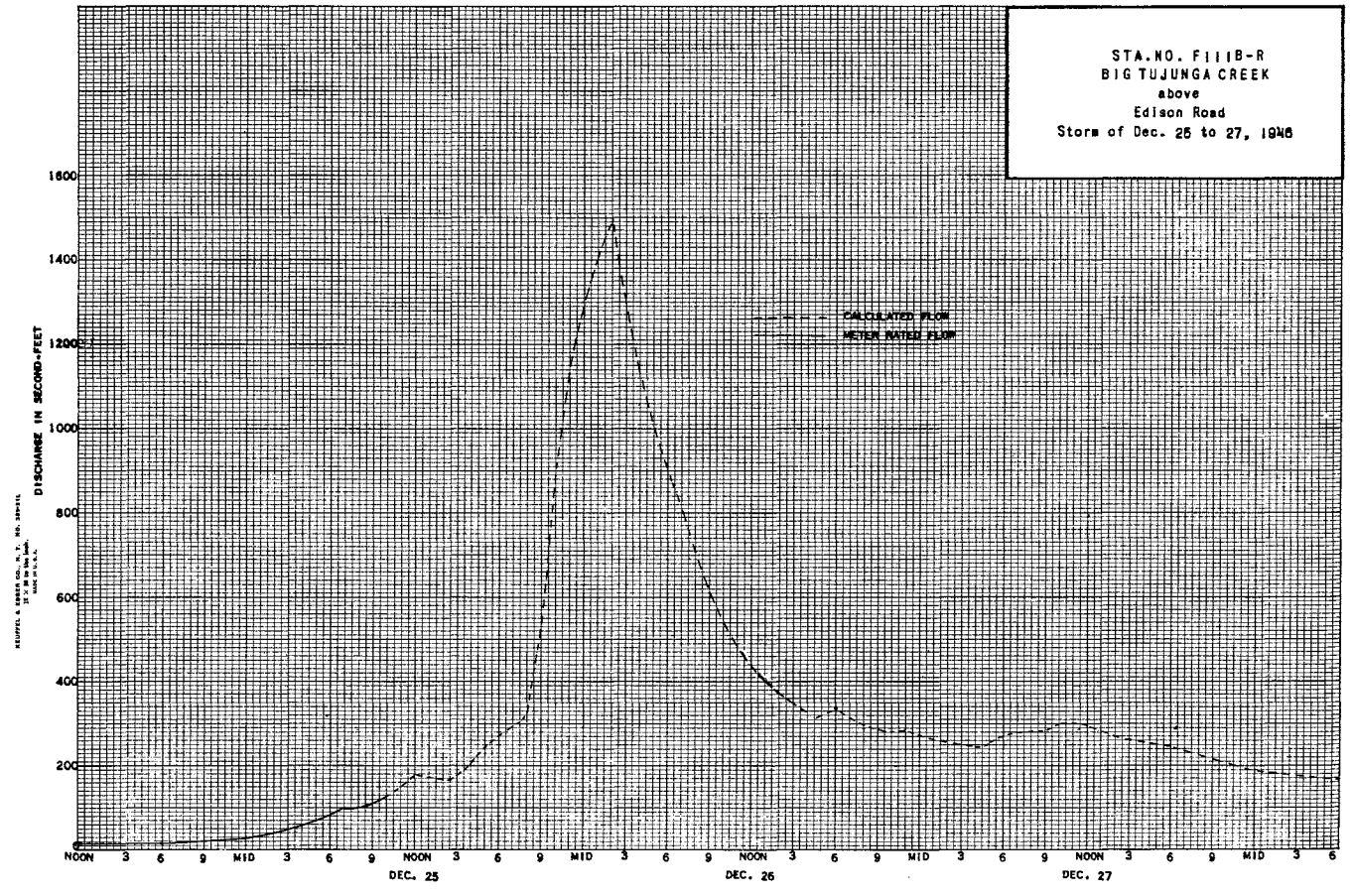
Daily discharge, in second-feet of BIG TUJUNGA CREEK above Edison Road for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	2.0	20	54	17	11	9.4	6.6	3.4	1.1	0.2	0.3
2	2.1	2.0	19	49	17	12	9.4	6.1	3.4	0.9	0.3	0.2
3	2.6	2.0	17	43	16	12	9.8	5.8	3.6	0.9	0.2	0.2
4	2.4	2.1	16	40	16	13	9.8	5.1	3.6	0.8	0.2	0.2
5	1.8	2.1	16	38	16	12	9.4	4.8	3.6	0.8	0.1	0.2
6	1.6	2.3	27	36	15	12	9.0	4.8	3.6	0.8	0.1	0.1
7	1.5	2.3	24	32	15	11	9.0	4.8	3.4	0.8	0.1	0.2
8	1.5	2.7	19	30	14	12	8.6	5.1	3.2	0.7	0.3	0.2
9	1.4	2.6	16	28	16	12	8.2	5.1	3.1	0.7	0.6	0.6
10	1.2	2.6	15	27	17	11	8.2	5.1	2.7	0.7	0.5	0.6
11	1.2	3.1	14	27	15	11	7.8	5.4	2.6	0.7	0.5	0.6
12	1.2	26	13	25	14	11	7.4	5.4	2.4	0.7	0.4	0.4
13	1.2	402	13	24	14	11	7.0	5.1	2.1	0.7	0.2	0.2
14	1.2	70	12	24	13	11	7.0	5.6	2.0	0.7	0.2	0.2
15	1.5	33	12	22	13	11	7.0	5.6	2.0	0.6	0.3	0.2
16	2.6	23	11	20	13	11	7.0	4.6	1.9	0.6	0.5	0.2
17	2.1	19	11	20	13	10	7.0	4.1	1.8	0.6	0.2	0.5
18	2.0	19	10	20	13	9.8	7.0	3.6	1.8	0.6	0.2	0.9
19	1.9	19	10	19	13	9.8	7.0	3.4	1.6	0.5	0.2	0.7
20	1.8	261	10	19	13	11	7.0	3.4	1.9	0.5	0.2	0.6
21	1.6	90	9.8	18	12	14	7.4	3.6	1.9	0.4	0.5	0.6
22	1.6	50	9.8	17	12	13	7.6	3.6	1.6	0.4	0.6	0.6
23	1.6	253	10	17	12	11	7.4	3.6	1.6	0.4	0.6	0.6
24	1.6	113	17	17	11	9.8	7.4	3.2	1.5	0.4	0.5	0.4
25	1.6	57	258	16	11	9.4	7.4	2.9	1.5	0.4	0.5	0.4
26	1.6	40	634	16	11	9.0	8.2	2.7	1.6	0.3	0.6	0.3
27	2.4	34	257	16	11	9.4	10	3.4	1.6	0.3	0.6	0.2
28	2.6	28	145	22	11	12	8.6	3.9	1.6	0.2	0.6	0.2
29	2.3	26	97	20		11	8.2	3.6	1.6	0.2	0.6	0.2
30	2.1	23	73	18		9.8	7.4	3.6	1.4	0.2	0.5	0.4
31	2.1		61	17		9.4		3.9		0.2	0.4	
	58.1	1611.8	1876.6	791.0	384.0	342.4	241.8	137.5	69.6	17.8	11.2	11.2
MEAN	1.87	53.7	60.5	25.5	13.7	11.0	8.06	4.44	2.32	0.57	0.36	0.37
ACRE-FEET	115	3,200	3,720	1,570	762	679	480	273	138	35	22	22

Remarks:

YEAR MEAN 15.2
OR
PERIOD ACRE-FEET 11,020


STA. NO. F111B-R
BIG TUJUNGA CREEK
above
Edison Road
Storm of March 30, 1946
DISCHARGE IN SECOND-FEET
CALCULATED FLOW
0
200
400
600
800
1000
1200
1400
1600
1800
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
MAR. 30


STA.NO. F111B-R
BIG TUJUNGA CREEK
above
Edison Road
Storm of Dec. 25 to 27, 1946
DISCHARGE IN SECOND-FEET
CALCULATED FLOW
METER RATED FLOW
200
400
600
800
1000
1200
1400
1600
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
DEC. 25
DEC. 26
DEC. 27

STATION F168-R
BIG TUJUNGA CREEK below Big Tujunga Dam #1

LOCATION: WATER-STAGE RECORDER, LAT. 34°17'20", LONG. 118°11'38", ON THE RIGHT (NORTHWEST) BANK, 2800 FEET BELOW BIG TUJUNGA DAM NO. 1, AND ABOUT 12 MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 1063.34 FEET.

DRAINAGE AREA: 81.7 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW REGULATED BY BIG TUJUNGA DAM NO. 1.

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, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 983 SECOND-FEET, MARCH 30.
MINIMUM 0.6 SECOND-FOOT, FEBRUARY 14.

1946-1947
MAXIMUM 501 SECOND-FEET, DECEMBER 26.
MINIMUM 0.7 SECOND FOOT, MARCH 12 TO 16.

1902-1947
MAXIMUM 33,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL DAYS IN OCTOBER, 1936.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~AT~~ NEAR Below Big Tujunga Dam No. 1 DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1007	10/4	105P / 123P	GILLESPIE	12.0	5.59	1.72	5.08	9.6		.6	8	0	FC37
1008	10/11	1155A / 1205P	"	12.0	5.31	1.66	5.08	8.8		.6	7	0	"
1009	10/18	305P / 315P	"	12.0	5.41	1.63	5.08	8.8		.6	7	0	"
1010	10/19	1150A / 1205P	"	12.3	6.32	2.15	5.17	13.6		.6	8	0	"
1011	10/25	1120A / 1130A	"	12.2	6.74	2.15	4.92	14.5		.6	8	0	"
1012	11/1	235P / 250P	"	12.2	6.79	2.03	4.91	13.8		.6	7	0	"
1013	11/8	220P / 234P	DEVORE STUNDEN	12.1	6.16	2.03	4.79	12.5		.6	10		FC42
1014	11/15	1057A / 1115A	DEVORE	12.2	6.13	2.02	4.90	12.4		.6	10	0	"
1015	11/21	320P / 336P	"	12.1	6.19	1.76	4.87	10.9		.6	10		"
1016	11/29	1016A / 1028A	"	5.8	2.13	1.64	4.62	3.5		.6	9	0	"
1017	12/6	301P / 309P	"	6.1	2.13	1.60	4.61	3.4		.6	7	0	"
1018	12/13	1009A / 1027A	"	6.0	2.14	1.68	4.60	3.6		.6	9	0	"
1019	12/20	257P / 304P	"	5.9	2.14	1.59	4.63	3.4		.6	6	0	"
1020	12/22	1055A / 1115A	STUNDEN	48.0	51.9	4.78	5.54	248.		.6	12		FC36
1021	12/22	440P / 510P	"	60.0	91.0	6.41	5.54	583.		.6	12		"
1022	12/23	810A / 840A	"	57.0	58.1	3.94	4.84	229.		.6	13	-0.23	"
1023	12/24	910A / 935A	"	56.0	69.7	3.33	4.81	232.		.6	13	0	"
1024	12/24	1042P / 1115P	"	46.5	34.4	2.29	4.08	78.8		.6	15	-.01	"
1025	12/25	1135A / 1205P	"	50.0	37.2	2.15	4.08	80.0		.6	16	-.01	"
1026	1/3	331P / 344P	DEVORE	18.0	7.86	1.50	3.47	11.8		.6	9	0	FC42
1027	1/10	224P / 142P	"	18.0	8.31	1.50	3.47	12.5		.6	11	0	"
1028	1/17	518P / 530P	"	18.1	8.54	1.44	3.47	12.3		.6	9	0	"
1029	1/24	514P / 527P	"	17.9	9.41	1.24	3.46	11.7		.6	10	0	"
1030	1/31	434P / 444P	DEVORE	16.9	2.68	1.61	3.34	4.3		.6	7	0	FC42
1031	2/7	118P / 144P	"	46.5	28.6	2.01	3.88	57.7		.6	16	0	"
1032	2/7	359P / 420P	"	46.0	36.9	2.25	4.00	82.9		.6	14	0	"
1033	2/14	254P / 306P	"	10.9	3.42	1.23	3.38	4.2		.6	9	0	"
1034	2/20	1058A / 1114A	"	10.1	3.84	1.29	3.38	5.0		.6	11	0	"
1035	2/28	234P / 249P	"	10.3	3.91	1.28	3.38	5.0		.6	10	0	"
1036	3/7	108P / 120P	"	10.2	3.94	1.27	3.39	5.0		.6	10	0	"
1037	3/14	335P / 348P	"	10.2	3.83	1.30	3.39	5.0		.6	10	0	"
1038	3/20	225P / 230P	STUNDEN	4.0	0.64	1.17	3.24	0.75		.5	4	0	FC36
1039	3/28	118P / 123P	WADDICOR	4.3	1.10	0.88	3.24	0.97		.6	5	0	FC22
1040	3/30	505P / 540P	STUNDEN	53.0	99.8	4.98	5.33	497.		.6	12	+.07	FC36
1041	3/30	910P / 950P	"	58.0	140.	6.97	6.05	978.		.6	12	0	"
1042	3/31	845A / 915A	"	51.0	71.5	4.33	4.95	310.		.6	11	-.01	"
1043	3/31	1245P / 110P	"	49.0	65.6	3.60	4.70	236.		.6	11	0	"
1044	4/1	425P / 500P	"	49.0	68.1	3.51	4.70	239.		.6	11	0	"
1045	4/4	1045A / 1105A	WADDICOR	45.0	30.1	1.93	3.77	58.0		.6	12	0	FC22
1046	4/4	224P / 240P	"	49.0	84.6	3.70	4.80	313.		.6	11	0	"
1047	4/18	925A / 935A	"	6.0	1.18	0.75	2.97	0.89		.6	6	0	"
1048	4/24	1015A / 1025A	STUNDEN	3.0	0.58	1.41	2.90	0.82		.5	6	0	FC36
1049	5/1	855A / 910A	"	10.0	4.50	1.31	3.00	5.9		.6	10	0	"
1050	5/8	955A / 1015A	"	9.5	4.65	1.27	3.01	5.9		.6	11	0	"
1051	5/15	955A / 1015A	"	TWO CHANNELS			3.02	5.9		.6	11	0	"
1052	5/23	950A / 1015A	"	8.0	4.10	0.90	2.98	3.7		.5&6	8	0	"
1053	5/31	135P / 145P	TURNER	9.3	4.16	0.89	2.97	3.7		.6	10	0	FC43
1054	6/6	1000A / 1010A	"	9.2	3.98	0.95	2.96	3.8		.6	10	0	"
1055	6/13	205P / 215P	"	9.2	3.66	1.04	2.96	3.8		.6	10	0	"
1056	6/20	915A / 930A	STUNDEN	9.4	4.95	1.41	3.04	7.0		.5&6	9	0	FC36
1057	6/20	940A / 955A	"	9.4	4.94	1.42	3.04	7.0		"	9	0	"
1057A	6/24	145P / 205A	ROBERTSON	23.5	19.8	0.64	3.15	12.6		.6	10	0	FC23
1058	6/27	1100A / 1115A	TURNER	11.1	7.44	1.33	3.09	9.9		.6	12	0	FC43
1059	7/5	1110A / 1125A	"	11.0	7.30	1.36	3.09	9.9		.6	12	0	"
1060	7/8	1010A / 1020A	"	22.3	13.0	1.65	3.36	21.4		.6	11	0	"
1061	7/8	1115A / 1125A	"	30.0	20.8	2.24	3.67	46.7		.6	9	0	"
1062	7/8	100P / 115P	"	52.0	54.0	2.46	4.20	133.		.6	14	0	"
1063	7/8	220P / 230P	"	53.0	52.4	2.39	4.29	149.		.6	11	0	"
1064	7/11	950A / 1010A	"	52.5	58.9	2.55	4.20	150.		.6	16	0	"
1065	7/18	1050A / 1105A	"	23.0	12.6	1.29	3.09	16.3		.6	12	0	"
1066	7/26	1103A / 1115A	LUCE	21.5	13.6	1.14	3.09	15.5		.6	11	0	FC39
1067	8/1	1025A / 1040A	TURNER	24.0	12.3	1.20	3.09	14.8		.6	12	0	FC43
1068	8/8	1035A / 1050A	"	23.0	13.0	1.21	3.09	15.7		.6	12	0	"
1069	8/15	1050A / 1105A	"	23.0	12.1	1.24	3.08	15.0		.6	12	0	"
1070	8/22	1050A / 1105A	"	17.9	9.27	1.09	2.96	10.1		.6	10	0	"
1071	8/28	940A / 955A	"	18.2	9.30	1.03	2.96	9.6		.6	10	0	"
1072	9/4	230P / 245P	"	18.2	9.38	1.03	2.96	9.7		.6	10	0	"
1073	9/11	120P / 130P	LUCE	18.0	9.84	0.92	3.01	9.1		.6	10	0	FC39
1074	9/18	1245P / 1255P	"	18.0	9.85	0.85	3.01	8.4		.6	10	0	"
1075	9/25	1050A / 1105A	TURNER	18.0	8.61	0.81	2.92	7.0		.6	10	0	FC43

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~NEAR~~ below Big Tujunga Dam No. 1 DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1076	10-2	1145A / 1200N	TURNER	18.0	8.54	0.76	2.96	6.5		6	10	0	FC43
1077	10-9	120P / 135P	"	17.7	8.33	0.78	2.96	6.5		6	10	0	"
1078	10-16	125P / 140P	"	17.6	8.32	0.81	2.92	6.7		6	10	0	"
1079	10-23	1128A / 1145A	TURNER VAN DER GOOT	17.0	8.19	0.79	2.91	6.4		6	10	0	"
1080	10-30	250P / 305P	TURNER	17.5	8.21	0.77	2.90	6.3		6	10	0	"
1081	11-6	120P / 135P	"	16.4	6.49	0.48	2.83	3.1		6	9	0	"
1082	11-13	720P / 736P	BLAKELY	44.0	70.2	2.94	4.56	206		6	16	0	FC35
1083	11-14	936A / 954A	"	49.0	56.0	1.67	3.95	93.6		6	16	0	"
1084	11-14	343P / 357P	"	53.0	76.4	2.64	4.49	202		6	15	0	"
1085	11-20	156P / 207P	"	23.5	15.8	1.44		22.7		6	12		"
1086	11-20	312P / 326P	"	48.5	53.7	1.72		92.1		6	14		"
1087	11-20	455P / 512P	"	56.0	89.4	2.41		216		6	19		"
1088	11-21	813A / 836A	"	56.0	89.5	2.42	4.57	217		6	27	0	"
1089	11-25	954A / 1004A	"	49.0	58.0	1.72	3.99	100		6	14	0	"
1090	11-29	1040A / 1100A	TURNER	47.0	51.2	1.79	3.94	91.6		6	14	0	FC43
1091	12-4	1145A / 1200N	"	26.0	16.0	1.21	3.18	19.3		6	13	0	"
1092	12-11	1240P / 100P	"	26.0	16.6	1.21	3.19	20.1		6	13	0	"
1093	12-19	1025A / 1040A	"	26.0	16.6	1.16	3.18	19.3		6	13	0	"
1094	12-25	302P / 317P	BLAKELY	55.5	67.7	2.45	4.52	215		6	15	0	FC35
1095	12-26	419A / 441A	"	55.0	119	3.98	5.24	472		6	12	0	"
1096	12-26	827A / 845A	"	55.0	125	3.99	5.33	498		6	11	0	"
1097	12-27	1048A / 1102A	"	53.5	90.4	2.35	4.44	212		6	14	0	"
1098	12-27	1256P / 110P	"	53.5	87.0	2.25	4.44	196		6	14	0	"
1099	1-3	1215P / 1235P	TURNER	29.0	31.9	1.39	3.41	44.2		6	16	0	FC43
1100	1-10	958A / 1010A	BLAKELY	28.2	21.5	0.87		18.8		6	13		FC35
1101	1-16	1100A / 1115A	TURNER	27.5	22.5	0.85	3.05	19.2		6	12	0	FC43
1102	1-22	110P / 125P	"	29.0	33.2	1.46	3.43	48.6		6	11	0	"
1103	1-30	205P / 220P	"	27.7	22.4	0.85	3.03	19.0		6	13	0	"
1104	2-5	230P / 242P	"	28.0	22.2	0.86	3.03	19.0		6	13	0	"
1105	2-13	1235P / 1250P	"	28.0	22.2	0.89	3.03	19.8		6	13	0	"
1106	2-19	1210P / 1230P	"	28.0	21.5	0.84	3.02	18.0		6	15	0	"
1107	2-26	1245P / 105P	"	27.0	18.0	0.71	2.88	12.8		6	14	0	"
1108	3-7	1230P / 1237P	BLAKELY	17.8	16.6	0.75	2.89	12.5		6	8	0	FC35
1109	3-14	345P / 400P	STUNDEN	3.0	0.91	0.79		0.72		5	3		FC36
1110	3-26	1235P / 1240P	TURNER	3.3	0.80	1.11	2.50	0.89		5	5	0	FC43
1111	4-9	1140A / 1145A	"	3.4	0.83	1.08	2.51	0.90		5	4	0	"
1112	4-23	155P / 210P	"	13.5	5.96	0.60	2.63	3.6		6	14	0	"
1113	5-7	1235P / 1250P	"	13.8	5.79	0.59	2.62	3.4		6	14	0	"
1114	5-14	315P / 325P	"	11.0	4.81	0.71	2.62	3.4		6	11	0	"
1115	5-21	1225P / 1240P	"	11.2	4.93	0.73	2.62	3.6		6	11	0	"
1116	5-28	1255P / 110P	"	9.0	4.00	0.88	2.62	3.5		6	9	0	"
1117	6-4	1215P / 1230P	"	9.0	4.08	0.86	2.62	3.5		6	9	0	"
1118	6-18	1100A / 1115A	STUNDEN	9.2	4.41	1.02	2.66	4.5	5	6	10	0	FC36
1119	7-3	1255P / 105P	TURNER	9.8	4.56	1.05	2.64	4.8		6	10	0	FC43
1120	7-9	1040A / 1055A	STUNDEN	8.8	4.83	1.14	2.70	5.5	5	6	10	0	FC31
1121	7-16	1140A / 1155A	TURNER	8.6	4.90	1.20	2.70	5.9		6	9	0	FC43
1122	7-30	315P / 330P	STUNDEN - TURNER	7.9	4.41	1.31	2.71	5.8	5	6	9	0	"
1123	7-30	330P / 345P	" "	7.9	4.41	1.25	2.71	5.5	5	6	9	0	FC36
1124	8-6	1045A / 1100A	TURNER	8.9	4.69	1.22	2.70	5.7		6	9	0	FC43
1125	8-12	1040A / 1055A	"	8.0	4.58	1.31	2.70	6.0		6	8	0	"
1126	8-19	1115A / 1130A	"	8.0	4.69	1.26	2.72	5.9		6	9	0	"
1127	8-27	245P / 255P	"	7.0	3.98	1.40	2.74	5.6		6	8	0	"
1128	9-4	210P / 220P	"	7.0	4.22	1.35	2.74	5.7		6	7	0	"
1129	9-17	1100A / 1110A	"	7.0	4.29	1.31	2.73	5.6		6	7	0	"
1130	9-24	1115A / 1125A	"	7.0	4.33	1.22	2.74	5.3		6	8	0	"

F. C. Dist. Form 52 4-48

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 No. 1, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.5	13.8	3.5	11.8	4.3	5.0	239	5.9	3.7	9.9	14.8	9.7
2	9.5	13.6	3.5	11.8	4.3	5.0	175	5.9	3.7	9.9	15.0	9.7
3	9.6	13.4	3.4	11.8	4.3	5.0	58	5.9	3.8	9.9	15.1	9.7
4	9.6	13.2	3.4	11.9	4.5	5.0	179	5.9	3.8	9.9	15.3	9.7
5	9.4	13.0	3.4	12.0	4.6	5.0	225	5.9	3.8	9.9	15.4	9.7
6	9.3	12.8	3.4	12.1	4.6	5.0	74	5.9	3.8	9.9	15.5	9.6
7	9.2	12.6	3.4	12.2	57	5.0	0.8	5.9	3.8	9.9	15.6	9.5
8	9.1	12.5	3.4	12.3	80	5.0	0.8	5.9	3.8	81	15.7	9.4
9	9.0	12.5	3.5	12.4	26	5.0	0.8	5.9	3.8	147	15.6	9.3
10	8.9	12.5	3.5	12.5	0.6	5.0	0.8	5.9	3.8	148	15.5	9.2
11	8.8	12.5	3.6	12.5	0.6	5.0	0.8	5.9	3.8	149	15.4	9.1
12	8.8	12.4	3.6	12.5	0.6	5.0	0.8	5.9	3.8	147	15.3	9.0
13	8.8	12.4	3.6	12.4	0.6	5.0	0.8	5.9	3.8	80	15.2	8.9
14	8.8	12.4	3.6	12.4	3.0	5.0	0.8	5.9	3.8	115	15.1	8.8
15	8.8	12.4	3.6	12.3	4.3	5.0	0.9	5.9	3.8	115	15.0	8.7
16	8.8	12.2	3.5	12.3	4.5	5.0	0.9	5.9	3.8	114	15.0	8.6
17	8.8	11.9	3.5	12.3	4.7	5.0	0.9	4.4	3.8	145	15.0	8.5
18	8.8	11.6	3.4	12.2	4.9	2.9	0.9	3.7	3.8	163	15.0	8.4
19	12.0	11.4	3.4	13.7	5.0	0.8	0.9	3.7	4.9	162	11.7	8.4
20	13.8	11.2	3.4	14.7	5.0	0.8	0.9	3.7	7.0	161	10.1	8.4
21	13.9	10.9	3.4	11.9	5.0	0.8	0.9	3.7	7.0	160	10.1	8.4
22	14.0	10.9	303	11.8	5.0	0.8	0.8	3.7	9.8	159	10.1	8.4
23	14.2	10.9	299	11.7	5.0	0.8	0.8	3.7	12.6	158	10.1	7.9
24	14.4	10.9	201	11.7	5.0	0.8	0.8	3.7	12.6	157	10.0	7.0
25	14.5	10.9	79	11.7	5.0	1.4	0.8	3.7	12.6	156	9.9	7.0
26	14.4	10.9	44	8.0	5.0	5.2	0.8	3.7	11.2	155	9.8	7.0
27	14.3	10.9	16.3	4.3	5.0	5.0	0.8	3.7	9.9	154	9.7	7.0
28	14.2	6.0	11.8	4.3	5.0	1.0	0.8	3.7	9.9	153	9.6	7.0
29	14.1	3.5	11.8	4.3		1.0	2.3	3.7	9.9	152	9.6	7.0
30	14.0	3.5	11.8	4.3		24.7	5.9	3.7	9.9	151	9.6	7.0
31	13.9		11.8	4.3		49.1		3.7		150	9.6	
	345.2	339.6	106.25	336.4	263.4	844.3	976.5	150.6	185.5	1089.3	404.4	256.0
MEAN	11.1	11.3	34.3	10.9	9.41	27.2	32.6	4.86	6.18	35.1	13.0	8.53
ACRE-FEET	685.	674.	2,110.	667.	522.	1,670.	1,940.	299.	368.	2,160.	802.	508.

Remarks:

YEAR MEAN 17.1
OR
PERIOD ACRE-FEET 12,400

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 168-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam No. 1 for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	5.8	19.4	95	18.8	13.0	1.0	3.8	3.5	4.8	5.5	5.8
2	6.4	5.8	19.4	32	18.8	12.5	a 1.0	3.8	3.5	4.8	5.5	5.8
3	6.4	5.8	19.4	74	18.8	12.5	1.0	3.5	3.5	4.8	5.8	5.8
4	6.4	5.0	19.4	66	18.8	12.5	1.0	3.5	3.5	4.8	5.8	5.8
5	6.4	3.2	19.4	b 18.8	18.8	12.5	1.0	3.4	3.5	4.8	5.8	5.8
6	6.4	3.2	20.0	18.8	18.8	12.5	0.9	3.4	3.5	4.8	5.8	5.8
7	6.4	3.2	20.0	18.8	18.8	12.5	0.9	3.4	3.5	4.8	5.8	5.8
8	6.4	3.4	20.0	18.8	19.4	12.5	a 0.9	3.4	3.5	5.2	6.0	5.8
9	6.4	3.4	20.0	18.8	19.4	12.5	0.9	3.4	3.4	5.5	6.0	5.8
10	6.8	3.4	20.0	18.8	19.4	12.5	0.9	3.4	3.4	5.5	6.0	5.8
11	6.8	3.8	20.0	18.9	20	8.1	0.9	3.4	3.2	5.5	6.0	5.8
12	7.2	5.2	19.4	19.0	20	0.7	0.9	3.4	3.0	5.5	6.0	5.5
13	7.2	59	19.4	19.1	20	0.7	0.9	3.4	4.2	5.8	6.0	5.5
14	7.2	173	19.4	19.2	20	0.7	0.9	3.4	4.5	5.8	6.0	5.5
15	6.8	200	19.4	b 19.3	20	0.7	0.9	3.4	4.5	5.8	6.0	5.5
16	6.8	149	19.4	19.4	19.4	0.7	0.9	3.4	4.5	5.8	6.0	5.5
17	6.8	b20	19.4	19.4	19.4	0.8	0.9	3.4	4.5	5.8	6.0	5.5
18	6.8	b21	19.4	19.4	18.8	0.8	0.9	3.5	4.5	5.8	6.0	5.5
19	6.8	b22	19.4	19.4	17.8	0.8	3.0	3.5	4.5	5.8	6.0	5.5
20	6.4	93	14.4	19.4	17.8	0.9	5.0	3.5	4.5	5.8	6.0	5.5
21	6.4	212	b12.0	39	17.8	1.0	4.4	3.5	4.5	5.8	5.8	5.5
22	6.4	100	b12.0	49	17.8	1.0	3.5	3.5	4.8	5.8	5.8	5.5
23	6.4	b26	b12.0	48	17.8	1.0	3.5	3.5	4.8	5.8	5.5	5.2
24	6.0	46	b12.0	47	15.0	0.9	3.5	3.5	4.8	5.8	5.5	5.2
25	6.0	100	118	46	13.0	0.9	3.5	3.5	4.8	5.8	5.2	5.2
26	6.0	99	460	46	13.0	0.9	3.8	3.5	5.0	5.8	5.2	5.2
27	6.0	98	316	36	13.0	0.9	3.8	3.5	5.0	5.8	5.5	5.2
28	5.8	87	191	19.4	13.0	1.0	3.8	3.5	4.8	5.8	5.5	5.2
29	5.8	92	204	19.4		1.0	3.8	3.5	4.8	6.1	5.5	5.2
30	5.8	67	206	18.8		1.0	3.8	3.5	4.8	5.8	5.5	5.2
31	5.8		198	18.8		1.0		3.5		5.8	5.8	
	199.6	1715.2	2127.6	959.7	503.4	151.0	62.1	107.8	124.8	171.3	178.8	165.9
MEAN	6.44	57.2	68.6	31.0	18.0	4.87	2.07	3.48	4.16	5.52	5.77	5.53
ACRE-FEET	396	3,400	4,220	1,900	998	300	123	214	248	340	355	329

Remarks:

YEAR OR PERIOD MEAN 17.7
ACRE-FEET 12,820

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 NO. 1 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 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW FROM 81.4 SQUARE MILES REGULATED BY BIG TUJUNGA DAM NO. 1 FLOW FROM 24.6 SQUARE MILES UNREGULATED.

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

RECORDS AVAILABLE: OCTOBER 1, 1932 TO SEPTEMBER 30, 1947. (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:

1945-1946
MAXIMUM 1300 SECOND-FEET, MARCH 30.
MINIMUM 4.9 SECOND-FEET, DECEMBER 2.

1946-1947
MAXIMUM 745 SECOND-FEET, DECEMBER 25.
MINIMUM 3.7 SECOND-FEET, AUGUST 5.

1916-1947
MAXIMUM 50,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 0.8 SECOND-FOOT NOVEMBER 18, 1936.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~NEAR~~ Above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
823	10/4	345P / 400P	GILLESPIE	14.5	8.22	1.35	5.48	11.1		.6	9	0	FC37
824	10/11	345P / 355P	"	14.8	8.04	1.41	5.46	11.3		.6	8	0	"
825	10/19	958A / 1007A	"	15.0	7.38	1.38	5.49	10.2		.6	8	0	"
826	10/25	320P / 340P	"	15.0	8.73	1.60	5.62	13.8		.6	8	0	"
827	10/31	428P / 438P	DEVORE-TURNER	15.2	9.12	1.73	5.67	15.8		.6	8	0	FC42
828	11/2	1045A / 1056A	GILLESPIE	15.0	9.00	1.64	5.66	14.8		.6	8	0	FC37
829	11/7	840A / 854A	DEVORE	15.7	9.84	1.67	5.68	16.4		.6	10	0	FC42
830	11/14	426P / 450P	"	14.9	9.09	1.57	5.62	14.3		.6	10	0	"
831	11/20	325P / 341P	"	15.4	9.58	1.45	5.71	13.9		.6	10	0	"
832	11/28	327P / 339P	"	14.1	7.26	1.24	5.52	9.0		.6	9	-0.01	"
833	12/7	950A / 1005A	"	12.5	5.87	1.02	5.49	6.0		.6	8	0	"
834	12/14	842A / 857A	"	12.6	6.00	0.98	5.51	5.9		.6	9	0	"
835	12/21	847A / 903A	"	16.0	10.0	1.32	5.79	13.2		.6	10	+0.02	"
836	12/22	428A / 442A	PARDIECK-CORONADO	36.0	63.6	5.48	7.69	349.		.6	6	-0.02	FC33
837	12/22	545A / 555A	" "	31.0	46.2	4.54	7.34	210.		.6	5	-0.04	"
838	12/22	900A / 909A	" "	31.0	38.6	5.04	7.44	194.		.6	5	+0.03	"
839	12/22	928A / 934A	" "	36.0	51.6	4.80	7.50	247.		.6	6	+0.02	"
840	12/22	935A / 951A	" "	36.0	59.8	5.26	7.72	363.		.6	7	+0.44	"
841	12/22	1006A / 1019A	" "	45.0	83.9	5.35	8.10	449.		.6	7	0	"
842	12/22	1247P / 108P	PARDIECK-CORONADO	37.0	64.4	5.14	7.80	382.		.6	6	-0.02	FC33
843	12/22	108P / 118P	" "	37.0	65.0	5.57	7.80	362.		.6	6	-0.01	"
844	12/22	415P / 432P	" "	48.0	97.2	5.73	8.47	557.		.6	7	0	"
845	12/22	540P / 554P	" "	48.0	98.2	6.19	8.47	608.		.6	7	0	"
846	12/22	928P / 945P	" "	48.0	104.	6.66	8.59	691.		.6	7	-0.02	"
847	12/23	1112A / 1134A	DEVORE	35.5	69.0	4.68	7.90	323.		.6	7	-0.03	FC40
848	12/26	857A / 919A	"	33.2	32.1	2.75	6.66	88.2		.6	13	0	FC42
849	12/27	902A / 924A	"	20.0	18.8	2.20	6.21	41.4		.6	11	0	"
850	12/29	1103A / 1115A	PARDIECK	26.6	13.9	1.42	5.93	19.8		.6	7	0	FC33
851	1/4	857A / 910A	DEVORE	19.3	11.3	1.70	5.87	19.2		.6	10	0	FC42
852	1/11	851A / 906A	"	19.7	11.2	1.60	5.84	17.9		.6	10	0	"
853	1/16	430P / 445P	"	19.6	10.7	1.57	5.82	16.8		.6	11	0	"
854	1/25	917A / 931A	"	18.8	9.11	1.82	5.82	16.6		.6	10	0	"
855	1/30	435P / 445P	"	13.6	5.05	1.48	5.54	7.5		.6	8	0	"
856	2/3	319P / 334P	DEVORE-MITTENDORF	36.0	37.2	4.30	7.07	160.		.6	9	-0.08	"
857	2/8	906A / 926A	DEVORE	24.5	24.3	3.59	6.63	87.2		.6	9	0	"
858	2/13	1000A / 1014A	"	9.7	3.37	1.67	5.56	5.6		.6	9	0	"
859	2/19	915A / 929A	"	18.9	6.00	1.52	5.69	9.1		.6	9	0	"
860	2/27	902A / 914A	"	14.8	4.99	1.62	5.71	8.1		.6	9	0	"
861	3/6	852A / 904A	"	12.7	5.11	1.64	5.67	8.4		.6	10	0	"
862	3/13	842A / 854A	"	12.7	5.06	1.56	5.63	7.9		.6	9	0	"
863	3/19	108P / 129P	"	20.0	12.8	2.12	6.04	27.1		.6	10	-.02	"
864	3/29	959A / 1013A	DEVORE	13.0	5.42	1.51	5.60	8.2		.6	10	0	FC42
865	3/30	753A / 807A	PARDIECK-CORONADO	40.00	78.0	7.44	8.13	580.		.6	6	-.03	FC33
866	3/30	914A / 923A	" "	35.0	67.0	6.04	7.95	405.		.6	6	0	"
867	3/30	212P / 223P	" "	33.0	66.7	5.98	7.83	399.		.6	6	-.04	"
868	3/30	255P / 307P	" "	32.0	62.6	5.99	7.76	375.		.6	6	0	"
869	3/30	533P / 540P	" "	29.0	52.2	6.38	7.67	333.		.6	5	0	"
870	3/30	625P / 640P	" "	47.0	122.	6.99	8.74	856.		.6	7	+.01	"
871	3/30	841P / 857P	" "	49.0	108.	7.11	8.63	768.		.6	8	0	"
872	3/30	1007P / 1026P	" "	62.0	163.	7.86	9.44	1278.		.6	6	0	"
873	3/31	840A / 853A	" "	60.0	154.	8.09	9.20	1250.		.6	9	-.02	"
874	3/31	1011A / 1023A	" "	35.0	75.9	6.23	8.00	473.		.6	7	0	"
875	3/31	1113A / 1123A	" "	30.0	66.5	7.19	7.92	478.		.6	6	+.01	"
876	3/31	135P / 142P	" "	30.0	59.8	5.78	7.64	346.		.6	5	-.02	"
877	3/31	158P / 208P	" "	30.0	58.6	5.55	7.63	325.		.6	5	0	"
878	3/31	219P / 226P	"	30.0	56.8	5.54	7.63	314.		.6	5	0	"
879	4/3	805A / 820A	WADDICOR	25.0	33.9	2.58	6.58	87.5		.6	13	0	FC37
880	4/5	425P / 435P	WADDICOR-BROWN	29.5	45.9	4.84	7.10	222.		.6	7	0	FC44
881	4/10	802A / 812A	WADDICOR	20.7	10.0	1.72	5.75	17.2		.6	11	0	FC37
882	4/17	753A / 806A	"	20.0	8.27	1.45	5.60	12.2		.6	12	0	"
883	4/24	1030A / 1040A	"	7.9	5.41	1.68	5.51	9.1		.6	8	0	"
884	5/1	820A / 832A	"	8.0	6.35	1.86	5.58	11.8		.6	8	0	"
885	5/8	915A / 927A	"	11.2	7.09	1.59	5.55	11.3		.6	8	0	"
886	5/15	905A / 915A	WADDICOR	11.8	7.02	1.81	5.56	12.7		.6	9	0	FC37
887	5/22	1050A / 1100A	TURNER	17.0	10.3	0.96	5.66	9.9		.6	8	0	FC43
888	5/29	330P / 340P	"	9.5	5.19	1.44	5.53	7.5		.6	10	0	"
889	6/5	940A / 950A	"	8.5	4.75	1.37	5.51	6.5		.6	9	0	"
890	6/12	230P / 240P	"	6.8	4.22	1.35	5.48	5.7		.6	8	0	"
891	6/19	215P / 225P	"	6.7	3.99	1.25	5.44	5.0		.6	7	0	"
892	6/26	1035A / 1045A	"	18.5	12.4	1.14	5.78	14.2		.6	10	0	"
893	7/3	225P / 240P	"	17.0	10.7	1.07	5.71	11.5		.6	8	0	"
894	7/8	110P / 122P	HAIG	16.7	9.62	1.13	5.95	10.9		.6	10	0	FC35
895	7/8	330P / 346P	"	26.5	38.3	2.92	6.92	112.		.6	14	0	"
896	7/9	910A / 922A	TURNER	20.0	41.9	3.53	7.10	148.		.6	10	0	FC43
897	7/17	255P / 310P	"	16.0	9.44	1.35	6.18	12.7		.6	10	0	"
898	7/25	1250P / 100P	LUCE	24.0	16.2	1.03	6.20	16.8		.6	9	0	FC39
899	7/31	245P / 255P	TURNER	17.0	11.4	1.34	6.70	15.3		.6	9	0	FC43
900	8/7	230P / 245P	"	19.0	12.0	1.23	6.81	14.8		.6	10	0	"
901	8/14	1055A / 1110A	"	19.0	12.2	1.22	6.78	14.7		.6	10	0	"
902	8/21	115P / 125P	"	17.0	9.94	0.98	6.59	9.7		.6	9	0	"
903	8/29	355P / 405P	"	17.0	8.89	0.91	6.53	8.1		.6	8	0	"
904	9/5	1025A / 1035A	"	17.0	9.54	0.96	6.49	9.2		.6	9	0	"
905	9/12	640A / 652A	LUCE	14.7	9.73	0.98	6.50	9.5		.6	9	0	FC39
906	9/19	155P / 205P	"	15.5	9.00	0.79	6.39	7.1		.6	8	0	"
907	9/26	1055A / 1105A	TURNER	16.5	8.88	0.81	6.25	7.2		.6	8	0	FC43

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

~~NEAR~~ above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
908	10-3	1140A / 1152A	TURNER	17.0	9.30	0.86	6.40	8.0		.6	9	0	FC43
909	10-9	925A / 935A	"	17.0	9.11	0.75	6.40	6.8		.6	9	0	"
910	10-17	1040A / 1050A	"	17.0	9.04	0.86	6.40	7.8		.6	9	0	"
911	10-23	350P / 405P	TURNER VAN DER GOOT	17.0	8.83	0.82	6.32	7.2		.6	9	0	"
912	10-30	855A / 910A	TURNER	17.0	9.06	0.86	6.37	7.8		.8	9	0	"
913	11-6	905A / 915A	"	17.0	7.98	0.64	6.31	5.1		.6	9	0	"
914	11-12	150P / 200P	"	25.0	22.1	1.84	7.02	40.6		.6	9	0	"
915	11-13	140P / 150P	TURNER - RILEY	32.0	54.8	2.74	7.22	150.		.6	9	0	"
916	11-14	245P / 255P	" "	31.0	46.8	2.97	7.06	139.		.6	10	-.01	"
917	11-20	424P / 436P	" "	TWO CHANNELS			7.35	233.		.6	14	0	"
918	11-21	920A / 935A	" "	" "			7.54	269.		.6	16	0	"
919	11-23	228P / 243P	PARDIECK	32.0	34.2	3.04	6.88	104.		.6	9	-.04	FC33
920	11-23	332P / 352P	"	29.0	40.0	2.29	6.83	91.7		.6	13	-.02	"
921	11-27	1040A / 1055A	TURNER	31.0	52.9	2.02	6.91	107.		.6	15	0	FC43
922	12-4	915A / 930A	"	26.5	21.7	1.30	6.19	28.2		.6	14	0	"
923	12-11	938A / 950A	"	25.0	20.2	1.47	6.18	29.6		.6	13	0	"
924	12-17	250P / 305P	"	24.0	24.3	1.05	6.16	25.5		.6	13	0	"
925	12-25	305P / 317P	"	TWO CHANNELS			7.48	234.		.6	11	+.05	"
926	12-26	1234A / 110A	PARDIECK-MENDIBLES	43.0	106	6.55	8.63	695.		.6	7	-.10	FC33
927	12-26	312A / 330A	" "	42.0	89.4	6.59	8.23	589.		.6	7	-.08	"
928	12-26	410A / 424A	" "	42.0	81.0	5.97	8.13	483.		.6	7	0	"
929	12-26	449A / 517A	" "	45.0	102.	7.17	8.58	731.		.6	7	0	"
930	12-26	657A / 714A	"	46.0	104.	5.24	8.53	546.		.6	8	-.01	"
931	12-27	940A / 950A	TURNER - RILEY	46.0	99.4	6.05	8.36	601.		.6	9	-.02	FC42
932	12-27	325P / 340P	" "	37.0	64.3	5.32	7.65	342.		.6	8	0	"
933	1-3	915A / 930A	TURNER	25.0	35.3	2.07	6.51	73.0		.6	12	0	"

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

AT Above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
934	1-10	305P / 317P	BLAKELY	28.0	22.6	1.77	6.15	40.0	.6	15	0		FC35
935	1-15	1045A / 1100A	TURNER	24.0	26.0	1.32	6.12	34.2	.6	12	0		FC43
936	1-22	1025A / 1040A	"	31.0	31.8	1.80	6.40	57.4	.6	14	0		"
937	1-29	120P / 130P	"	23.0	26.5	1.27	6.10	33.7	.6	10	0		"
938	2-6	1100A / 1115A	"	21.0	19.2	1.49	6.06	28.7	.6	8	0		"
939	2-13	915A / 930A	"	28.0	19.7	1.29	6.05	25.4	.6	8	0		"
940	2-19	910A / 925A	"	22.5	24.0	1.06	6.03	25.4	.6	11	0		"
941	2-26	910A / 925A	"	23.0	21.0	0.97	5.91	20.3	.6	12	0		"
942	3-5	1135A / 1150A	"	23.0	22.0	0.96	5.94	21.1	.6	12	0		"
943	3-14	830A / 845A	STUNDEN	15.0	15.0	0.40	5.55	6.0	.6	12	0		FC36
944	3-19	940A / 950A	TURNER	13.0	10.5	0.70	5.51	7.4	.6	7	0		FC43
945	3-26	905A / 915A	"	11.0	10.4	0.51	5.50	5.3	.6	11	0		"
946	4-2	830A / 840A	"	12.0	12.8	0.51	5.59	6.5	.6	13	0		"
947	4-10	435P / 445P	"	13.0	12.5	0.44	5.52	5.5	.6	12	0		"
948	4-16	940A / 952A	"	13.0	9.22	0.49	5.81	4.5	.6	11	0		"
949	4-23	915A / 925A	"	10.0	8.52	0.76	5.96	6.5	.6	11	0		"
950	4-30	820A / 830A	"	10.0	8.40	0.76	5.97	6.4	.6	11	0		"
951	5-8	1125A / 1135A	"	10.0	8.81	0.69	5.93	6.1	.6	11	0		"
952	5-15	1225P / 1237P	"	10.0	8.66	0.72	5.91	6.2	.6	10	0		"
953	5-21	855A / 907A	"	10.0	8.46	0.65	5.85	5.5	.6	10	0		"
954	5-28	900A / 915A	"	10.0	8.58	0.66	5.84	5.7	.6	10	0		"
955	6-4	850A / 905A	"	10.0	8.16	0.64	5.80	5.2	.6	10	0		"
956	6-12	845A / 905A	STUNDEN	7.0	4.54	0.97	5.74	4.4	.6	8	0		FC36
957	6-19	930A / 945A	"	8.6	5.35	0.99	6.02	5.3	.6	9	0		"
958	6-19	1015A / 1030A	"	6.5	4.49	1.16	6.02	5.2	.5 .6	8	0		"
959	6-25	850A / 920A	"	6.0	4.57	1.25	6.04	5.7	.6	7	0		"
960	7-3	840A / 850A	TURNER	6.0	4.36	1.08	5.97	4.7	.6	6	0		FC43
961	7-10	1000A / 1010A	"	6.0	4.44	1.15	6.14	5.1	.6	6	0		"
962	7-17	915A / 925A	"	6.0	5.00	1.10	6.10	5.5	.6	6	0		"
963	7-24	920A / 930A	"	6.0	4.90	1.14	6.04	5.6	.6	6	0		"
964	7-31	900A / 915A	STUNDEN	6.0	4.74	1.12	6.05	5.3	.6	7	0		FC36
965	8-5	440P / 450P	TURNER	6.0	4.33	0.92	6.02	4.0	.6	6	0		FC43
966	8-14	200P / 210P	"	6.0	4.74	1.05	6.06	5.0	.6	6	0		"
967	8-21	1050A / 1100A	"	6.0	5.05	1.19	6.18	6.0	.6	6	0		"
968	8-28	915A / 925A	"	6.0	5.05	1.27	6.18	6.4	.6	6	0		"
969	9-5	945A / 955A	"	6.0	4.77	1.15	6.14	5.5	.6	6	0		"
970	9-11	850A / 900A	"	6.0	4.94	1.13	6.15	5.6	.6	6	0		"
971	9-18	1035A / 1045A	"	6.0	5.11	1.23	6.18	6.3	.6	6	0		"
972	9-25	925A / 935A	"	6.0	5.08	1.22	6.00	6.2	.6	6	0		"
973	9-30	1035A / 1045A	"	6.0	4.89	1.15	5.94	5.6	.6	6	0		"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F213-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	15	52	19	7.8	8.1	260	11	6.0	11	15	8.7
2	10	14	54	18	7.8	8.4	216	12	6.0	13	15	8.9
3	11	14	62	19	52	8.4	85	11	6.5	12	15	9.0
4	11	14	62	19	20	8.4	181	11	6.0	11	15	9.1
5	11	14	62	19	12	8.4	270	11	6.0	10	15	9.2
6	12	16	62	19	9.8	8.4	145	11	6.2	11	15	9.2
7	12	16	62	19	40	8.1	36	11	6.2	12	15	9.3
8	12	15	60	19	87	7.8	b 22	11	6.2	61	15	9.3
9	12	15	60	18	51	7.8	b 19	11	6.5	148	15	9.3
10	12	15	57	18	10	7.4	f 16	11	7.1	146	15	9.4
11	11	15	57	18	8.1	7.4	14	12	6.5	150	15	9.4
12	11	15	54	17	6.8	7.4	14	12	6.0	154	15	9.5
13	11	15	57	17	5.7	10	14	13	6.0	104	15	9.2
14	10	15	57	17	6.0	9.1	13	13	6.0	12	15	8.8
15	10	15	57	17	8.1	7.8	13	12	6.0	9.4	15	8.5
16	9.8	15	57	17	8.4	7.8	12	11	5.7	11	15	8.1
17	9.8	15	57	17	8.4	7.4	12	9.4	5.7	13	15	7.8
18	9.8	15	57	17	9.1	7.1	b 12	10	5.7	17	15	7.5
19	11	14	57	16	9.1	26	12	10	4.9	17	13	7.1
20	15	14	60	21	8.4	12	11	10	7.1	17	10	7.1
21	15	14	103	17	7.8	8.8	10	10	8.4	17	9.7	7.1
22	16	14	409	17	7.4	6.5	10	10	9.4	17	9.5	7.1
23	15	14	413	17	8.1	6.0	b 9.5	9.8	13	17	9.3	7.2
24	15	14	205	17	8.4	5.4	f 9.1	9.4	14	17	9.1	7.2
25	14	14	99	18	8.1	4.9	8.4	9.4	14	17	8.9	7.2
26	14	14	b 57	15	8.1	7.8	8.1	9.4	14	17	8.7	7.2
27	15	14	b 24	8.8	7.8	9.4	7.8	9.4	13	16	8.5	7.2
28	14	11	22	8.1	8.1	11	7.8	8.8	11	16	8.3	7.2
29	16	6.0	20	7.8		22	7.4	8.1	11	16	8.1	7.2
30	18	5.2	19	7.8		648	9.8	4.9	11	16	8.3	7.2
31	16		19	7.4		698		5.4		15	8.5	
	3894	4162	15063	5019	4393	16110	14649	3180	2411	11204	3899	2462
MEAN	12.6	13.9	48.6	16.2	15.7	52.0	48.8	10.3	8.04	36.1	12.6	8.21
ACRE-FEET	772.	826.	2,990.	996.	871.	3,200.	2,910	631.	478.	2,220.	773.	488.

Remarks:

YEAR OR PERIOD MEAN 23.7
ACRE-FEET 17,160

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

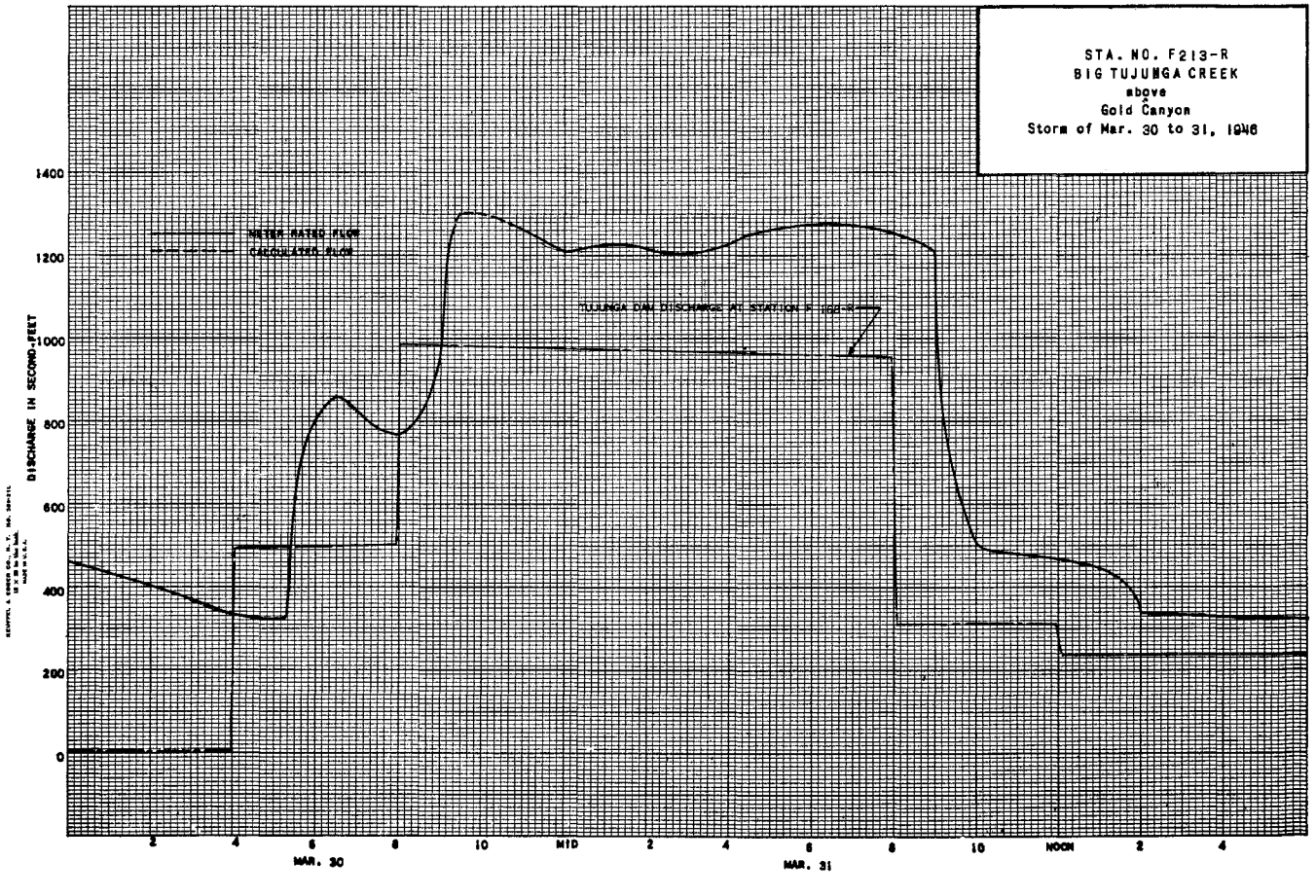
Sta. No. F 213-R

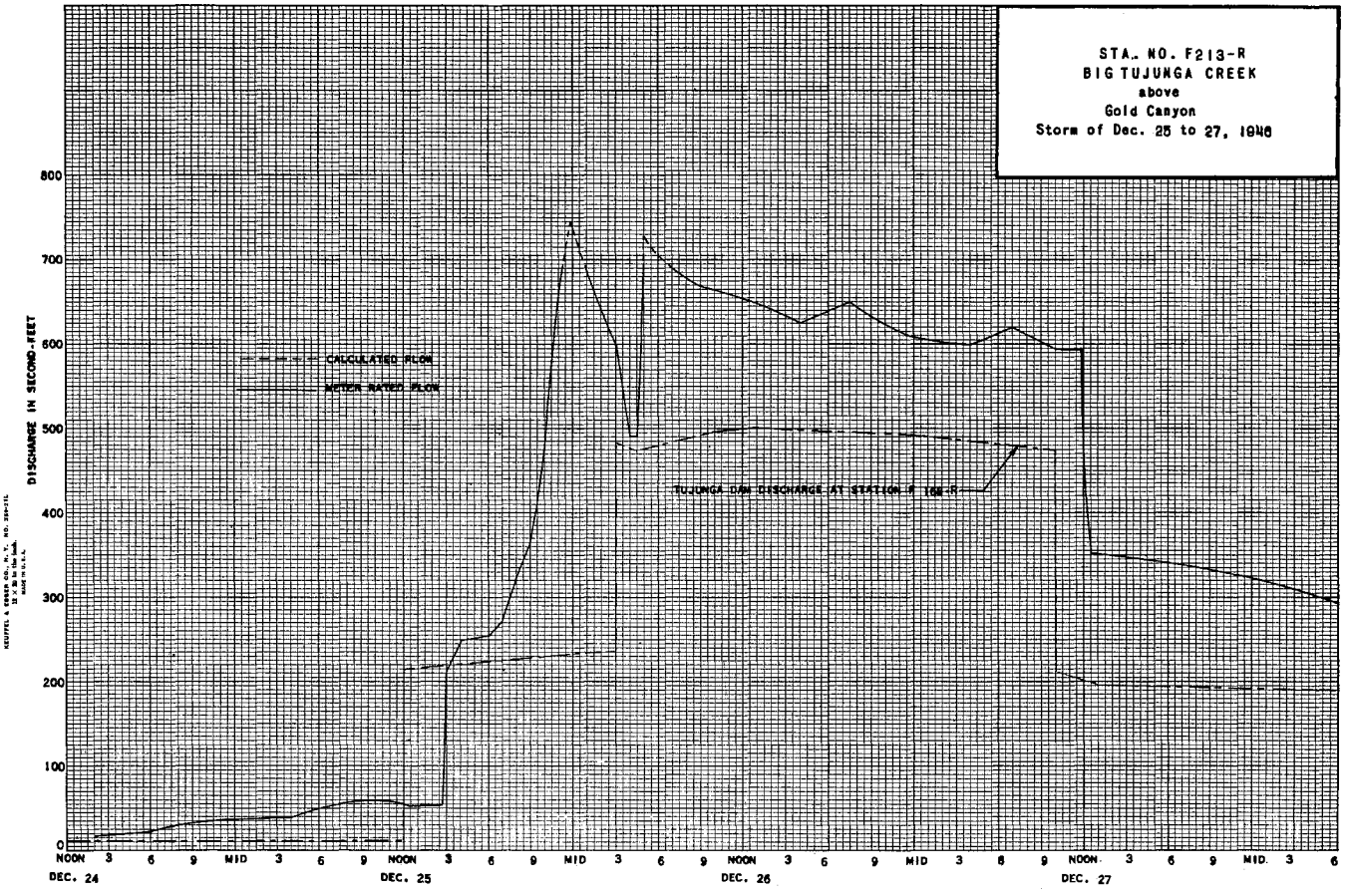
Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	69	32	176	30	20	69	60	56	46	56	54
2	10	90	29	59	30	20	66	63	50	46	66	52
3	11	14	28	91	29	20	66	60	50	46	87	54
4	11	14	28	115	29	20	66	58	52	46	14	54
5	75	75	28	49	29	22	66	58	50	44	44	56
6	75	50	36	46	29	20	63	60	50	48	40	56
7	72	46	32	44	29	20	63	60	48	46	42	60
8	72	60	31	42	27	20	60	60	50	42	48	86
9	66	46	30	41	28	20	60	60	48	48	50	77
10	63	42	30	40	26	20	58	60	46	50	52	52
11	63	78	30	40	26	19	56	63	48	52	50	52
12	63	66	29	38	26	87	54	66	44	50	46	52
13	58	191	28	36	26	69	d 52	60	42	50	48	52
14	58	231	27	35	26	60	d 50	63	46	50	50	52
15	63	225	26	34	26	58	d 47	63	47	50	50	54
16	90	194	26	33	26	60	44	60	46	50	48	56
17	75	33	26	33	26	63	44	60	46	54	50	60
18	75	27	26	32	26	69	46	60	48	54	56	60
19	75	26	26	32	26	75	50	58	52	54	56	60
20	72	242	23	32	26	78	60	58	54	54	58	63
21	72	272	19	45	2	90	78	56	56	54	58	61
22	75	157	19	58	2	75	72	56	56	54	58	79
23	78	84	19	57	2	69	66	56	56	54	63	72
24	75	69	22	57	24	60	69	58	58	54	60	66
25	75	117	170	56	21	56	69	52	58	52	60	54
26	75	114	644	54	20	52	69	50	58	50	60	50
27	81	108	473	50	20	52	69	56	58	52	60	50
28	90	99	305	39	20	10	66	58	58	50	60	52
29	81	104	296	33		87	66	54	63	50	58	56
30	78	88	293	31		78	63	54	54	50	54	56
31	75		278	30		72		58		50	52	
	2460	3109.0		726.0		1827		1548		1780		
	2530.6		1558.0		362.0		1818		1550		1758	
MEAN	7.94	84.4	100	50.3	25.9	11.7	6.09	5.86	5.16	5.00	5.74	5.86
ACRE-FEET	488	5,020	6,170	3,090	1,440	718	362	361	307	307	353	349

Remarks:

YEAR OR PERIOD MEAN 26.2
ACRE-FEET 18,960





STATION E286-R
TUJUNGA WASH below Hansen Dam

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

DRAINAGE AREA: 148 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1940 TO SEPTEMBER 1947 IN REPORTS OF GEOLOGICAL SURVEY, APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY) AND OCTOBER 1940 TO SEPTEMBER 1947 IN ANNUAL REPORTS OF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM DISCHARGE 610 SECOND-FEET DECEMBER 23 (GAGE HEIGHT 4.12 FEET).
NO FLOW ON MANY DAYS.

1946-1947
MAXIMUM DISCHARGE 900 SECOND-FEET DECEMBER 27 (GAGE HEIGHT 5.11 FEET).
NO FLOW ON MANY DAYS.

1940-1947
MAXIMUM DISCHARGE 1780 SECOND-FEET JANUARY 23, 1943.
NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS GOOD EXCEPT THOSE FOR DECEMBER 22-25, 1945, WHICH ARE FAIR. STORAGE AND DIVERSIONS ABOVE STATION. FLOW REGULATED BY HANSEN FLOOD CONTROL DAM. FLOW BELOW THE STATION CAN BE DIVERTED TO HANSEN SPREADING GROUNDS. RECORDS OF DIVERSION AND FLOW DOWN TUJUNGA WASH ARE PUBLISHED UNDER STATION F208-R.

COOPERATION: GAGE-HEIGHT RECORD AND FOUR DISCHARGE MEASUREMENTS FURNISHED BY CORPS OF ENGINEERS, U.S. ARMY.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

below Hansen Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
62	10-2			U.S.E.D.	4.8	1.85	1.41	.53	2.61		.6	9	0	
63	10-9			U.S.G.S.	5.0	1.55	1.37	.52	2.13		.6	11	0	
64	10-17			"	10.5	3.41	1.11	.63	3.80		.6	20	0	
65	10-23			"	23.7	16.9	.46	.78	7.8		.6	19	0	
66	10-30			"	1.5	.13	.21	.13	.027		.6	4	0	
67	11-28			"				.08	.024		VOL		0	
68	12-5			"				.09	.033		VOL		0	
69	12-11			"	2.0	.19	.38	.16	.073		.5	4	0	
70	12-23			U.S.E.D.	60.	281.	2.20	4.10	618.		.6	14	0	
71	12-23			"	60.	281.	2.09	4.10	588.		.6	14	0	
72	12-24			"	60.	252.	2.15	3.95	543.		.6	12	-.02	
73	12-28			U.S.G.S.				.11	.045		VOL			
74	1-4			"	34.5	31.4	.57	1.13	17.9		.6 .8	10	0	
75	1-9			"	29.	18.3	.35	.77	6.4		.6	10	0	
76	1-16			"					.011		VOL			
77	1-23			"	53.	51.7	1.20	1.67	53.2		.6 .8	18	+.04	
78	2-13			"				.22	.22		VOL			
79	2-20			"				.21	.073		VOL			
80	2-27			"	2.0	.30	.87	.18	.26		.5	4	0	
81	3-6			"				.13	.022		VOL			
82	3-12			"				.08	.011		VOL			
83	3-27			"				.13	.055		VOL			
84	5-8			"				0.10	0.037		VOL			
85	5-14			"	65.	161.	1.78	3.23	287.		.2 .8	24	-.01	
86	8-20			"				.12	.12		VOL			
87	9-5			"				.11	.078		VOL			
88	9-11			"	3.2	1.00	1.55	.41	1.55		.6	9	0	
89	9-20			"				.05	.007		VOL			

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

below Hansen Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
90	10-1			U.S.G.S.				0.08	0.019		VOL			
91	10-15			"				0.11	0.044		VOL			
92	10-29			"				0.03	0.002		VOL			
93	11-6			"	29.5	76.6	2.64	2.97	202		2-8	8	0	
94	11-8			"	22.8	30.4	1.25	1.53	37.9		.6	9	0	
95	11-12			"	38	28.2	0.96	1.23	27.2		.6 2-8	12	+.02	
96	11-19			"	44	65.9	1.08	1.92	71.1		.6	11	-.01	
97	11-22			"	50.0	88.9	1.83	2.62	163		.6 2-8	12	0	
98	12-3			"	28.5	26.4	1.02	1.27	26.8		.6	8	0	
99	12-10			"	33	34.7	1.10	1.46	38.1		.6	15	0	
100	12-17			"	33.0	31.6	0.72	1.22	22.9		.6	14	0	
101	1-14			"	33	33.1	0.91	1.35	30.0		.6	13	0	
102	1-28			"	41.0	46.8	0.96	1.58	45.1		.6	18	0	
103	2-12			"	32	31.8	0.74	1.24	23.4		.6	16	0	
104	2-25			"	33	26.8	0.74	1.13	19.7		.6	13	0	

F. C. Dist. Form 81 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E286-R

Daily discharge, in second-feet of TUJUNGA WASH below Hansen Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	0	0	0	0	0.2	0.6	0	0	0	0	0
2	2.4	0	0	0.1	0	0.2	0.6	0	0	0	0	0
3	2.3	0	0	2.6	0.1	0.1	0.9	1.1	0	0	0	3.7
4	2.4	0	0	2.9	0.1	0	113	2.1	0	0	0	0.8
5	2.7	0	0	2.1	0	0	122	1.2	0	0	0	3.2
6	2.7	0	0	0	0	0	0.2	0.5	62	0	0	1.4
7	2.5	0	0.1	3.4	114	0	0.2	0	26	0	0	2.1
8	2.7	0	0.1	1.6	118	0	0.2	2.7	0	0	4.1	2.1
9	2.7	0	0.1	1.5	0	0	0.1	8.2	0	0	0	7.0
10	2.9	0	0.1	5.0	0	0	0.1	4.5	0	0	0	9.7
11	3.1	0	0.1	3.5	0.1	0	0	0	0	2.3	0	1.6
12	3.2	0	0.1	0	0.2	0	0	0	0	6.5	0	1.1
13	3.2	0	0.1	0	0.2	0	0	12	53	5.0	0	1.5
14	3.1	0	0.1	0	0.2	0	0	58	0	4.7	0	1.5
15	3.1	0	0.1	5.5	0.3	0	0	0	0	28	0	1.5
16	3.1	0	0.1	1.9	0.2	0	0	0	0	2.5	0	4.6
17	3.5	0	0.1	1.1	0.1	0	0	0	0	2.4	0	15
18	3.2	0	0.1	1.8	0.1	0	0	0	0	1.3	0	0
19	3.1	0	0.1	0.8	0.1	0	0	0	0	33	5.5	0
20	4.2	0	0.1	0.6	0.1	0	0	0	0	2.5	24	0.1
21	6.4	0	0.2	0.4	0.2	0	0	0.1	0	2.5	21	0
22	6.1	0	137	5.5	0.3	0	0	61	0	1.5	0	0
23	6.6	0	485	7.2	0.3	0	0	0	0	1.3	0	6.2
24	4.7	0	543	0	0.2	0	0	0	0	1.6	0	12
25	4.9	0	150	0	0.3	0	0	0	0	1.5	0	0
26	4.9	0	0.1	0	0.3	0.3	0	0	0	3.4	0	0
27	5.3	0	0.1	0	0.3	0.4	0	0	9.6	1.6	0	0
28	5.7	0	0	0	0.2	0.1	0	0	0	1.6	0	0
29	4.4	0	0	0		0.2	0	0	0	0.9	0	0
30	0	0	0	0		0.4	0	0	0	1.4	0	0
31	0		0	0		0.5		0		0	0	
	109.0	0	1316.8	47.5	235.9	2.4	237.9	191.9	150.6	136.1	54.6	75.1
MEAN	3.52	0	42.5	1.53	8.42	.08	7.93	6.19	5.02	4.39	1.76	2.50
ACRE-FEET	216.	0	2,610	94.	468.	4.8	472.	381.	299.	270.	108.	149.

Remarks:

YEAR OR PERIOD MEAN 7.01
ACRE-FEET 5,070.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F286-R

Daily discharge, in second-feet of TUJUNGA WASH below Hansen Dam, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	114	175	36	16	0	0	0	0	0	0
2	0	0	53	164	32	16	0	0	0	0	0	0
3	0	0	27	155	29	9.5	0	0	0	0	0	0
4	0	0	26	159	28	0	0	0	0	0	0	0
5	0	0	36	123	26	0.1	0	0	0	0	0	0
6	0	113	34	75	26	0	0	0	0	0	0	0
7	0	107	27	40	25	0	0	0	0	0	0	0
8	0.1	38	28	23	24	0	0	0	0	0	0	0
9	0.1	19	40	27	24	0	0	0	0	0	0	0
10	0.1	12	38	29	26	0	0	0	0	0	0	0
11	0.1	10	32	30	26	0	0	0	0	0	0	0
12	0.1	43	29	31	25	0	0	0	0	0	0	0
13	0.1	143	26	31	24	0	0	0	0	0	0	0
14	0.1	168	25	31	24	0	0	0	0	0	0	0
15	0.1	144	24	30	24	0	0	0	0	0	0	0
16	0.1	123	24	30	23	0	0	0	0	0	0	0
17	0	120	24	30	22	0	0	0	0	0	0	0
18	0	132	24	29	22	0	0	0	0	0	0	0
19	0	76	23	29	22	0	0	0	0	0	0	0
20	0	22	22	33	22	0	0	0	0	0	0	0
21	0	180	20	34	22	0	0	0	0	0	0	0
22	0	208	19	38	22	0	0	0	0	0	0	0
23	0	160	18	41	21	0	0	0	0	0	0	0
24	0	156	19	43	20	0	0	0	0	0	0	0
25	0	148	24	44	20	0	0	0	0	0	0	0
26	0	122*	360	45	18	0	0	0	0	0	0	0
27	0	137	480	45	17	0	0	0	0	0	0	0
28	0	119	455	46	17	0	0	0	0	0	0	0
29	0	137	230	46		0	0	0	0	0	0	0
30	0	156	186	44		0	0	0	0	0	0	0
31	0		167	40		0		0		0	0	
	0.9	2793.0	2654.0	1740.0	667.0	41.6	0	0	0	0	0	0
MEAN	0.03	93.1	85.6	56.1	23.8	1.34	0	0	0	0	0	0
ACRE-FEET	1.8	5,540	5,260	3,450	1,320	83	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 21.6
ACRE-FEET 15,680

STATION F20B-R
TUJUNGA WASH at Glen Oaks Boulevard

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

DRAINAGE AREA: 148 SQUARE MILES.

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

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

RECORDER: INSTALLED APRIL 29, 1932 AT STATION F20-R AT STONEHURST AVENUE. WASHED OUT DURING THE MARCH 2, 1938 FLOOD. REINSTALLED AT STATION F20B-R AT GLEN OAKS BOULEVARD (FORMERLY REMSEN AVENUE), JULY 2, 1940 OVER A 21 INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW REGULATED BY HANSEN DAM. INFLOW TO HANSEN DAM PARTIALLY REGULATED BY BIG TUJUNGA DAM #1 AND BY HAINES CANYON DEBRIS BASIN.

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

RECORDS AVAILABLE: JANUARY 1931 TO APRIL 1932 RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM APRIL 29, 1932 TO DECEMBER 31, 1933. NO COMMUNICATION FROM DECEMBER 31, 1933 TO MARCH 9, 1934. RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM MARCH 9, 1934 TO MARCH 2, 1938. FROM MARCH 2, 1938 TO JULY 25, 1940 RANDOM MEASUREMENTS AVAILABLE. RECORDER RECORDS FROM JULY 25, 1940 TO SEPTEMBER 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 610 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 680 SECOND-FEET, DECEMBER 27.
MINIMUM NO FLOW MOST OF YEAR.
1932-1947 AT STATION F20-R AND F20B-R.
MAXIMUM 54,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

REMARKS: HANSEN SPREADING GROUNDS INTAKE WAS CONSTRUCTED DURING SUMMER OF 1944. SUBSEQUENT RECORDS AT STATION 20B MEASURE OUTFLOW FROM HANSEN DAM LESS SPREADING DIVERSIONS. CONTINUED OPERATION OF THE STATION IS FOR FLOOD FLOWS ONLY. RECORDS OF OUTFLOW FROM HANSEN DAM AS RECORDED BY THE UNITED STATES GEOLOGICAL SURVEY AT THEIR STATION IN THE OUTLET CHANNEL BELOW HANSEN DAM ARE PUBLISHED UNDER STATION E286-R. PUBLISHED HEREWITH ARE THE RECORDS OF DIVERSION TO HANSEN SPREADING GROUNDS AND FLOW DOWN TUJUNGA WASH.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

AT Glenoaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1948

(Below Spreading Grounds Diversion)

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAN SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
7	1/9	227P / 239P	DE VORE	18.5	8.62	1.08		9.3		6	8		FC42
8	1/23	1659 / 2054	"	23.0	14.1	1.42		20.1		6	9		"

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F20 B-R

Daily discharge, in second-feet of TUJUNGA WASH at Glen Oaks Boulevard, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	0	0	0	0	0.2	0.6	0	0	0	0	0
2	2.4	0	0	0.1	0	0.2	0.6	0	0	0	0	0
3	2.3	0	0	2.6	0.1	0.1	0.9	1.1	0	0	0	3.7
4	2.4	0	0	2.9	0.1	0	0	2.1	0	0	0	0.8
5	2.7	0	0	2.1	0	0	1.1	1.2	0	0	0	3.2
6	2.7	0	0	0	0	0	0.2	0.5	0	0	0	1.4
7	3.5	0	0.1	3.4	0	0	0.2	0	0	0	0	2.1
8	2.7	0	0.1	1.6	0	0	0.2	0	0	0	4.1	2.1
9	2.7	0	0.1	1.5	0	0	0.1	0	0	0	0	7.0
10	2.9	0	0.1	5.0	0	0	0.1	0	0	0	0	0
11	3.1	0	0.1	3.5	0.1	0	0	0	0	2.3	0	1.6
12	3.2	0	0.1	0	0.2	0	0	0	0	6.5	0	1.1
13	3.2	0	0.1	0	0.2	0	0	0	0	5.0	0	1.5
14	3.1	0	0.1	0	0.2	0	0	0	0	4.7	0	1.5
15	3.1	0	0.1	5.5	0.3	0	0	0	0	0	0	1.5
16	3.1	0	0.1	1.9	0.2	0	0	0	0	2.5	0	4.6
17	3.5	0	0.1	1.1	0.1	0	0	0	0	2.4	0	0
18	3.2	0	0.1	1.8	0.1	0	0	0	0	1.3	0	0
19	3.1	0	0.1	0.8	0.1	0	0	0	0	0	5.5	0
20	4.2	0	0.1	0.6	0.1	0	0	0	0	2.5	0	0.1
21	6.4	0	0.2	0.4	0.2	0	0	0.1	0	2.5	0	0
22	6.1	0	2.1	5.5	0.3	0	0	0	0	1.5	0	0
23	6.6	0	4.1 0	7.2	0.3	0	0	0	0	1.3	0	0
24	4.7	0	5.4 3	0	0.2	0	0	0	0	1.6	0	0
25	4.9	0	1.5 0	0	0.3	0	0	0	0	1.5	0	0
26	4.9	0	0.1	0	0.3	0.3	0	0	0	0	0	0
27	5.3	0	0.1	0	0.3	0.4	0	0	0	1.6	0	0
28	5.7	0	0	0	0.2	0.1	0	0	0	1.6	0	0
29	4.4	0	0	0		0.2	0	0	0	0.9	0	0
30	0	0	0	0		0.4	0	0	0	1.4	0	0
31	0		0	0		0.5		0		0	0	
	109.0	0	1125.8	47.5	3.9	2.4	13.9	5.0	0	41.1	9.6	32.2
MEAN	3.51	0	36.3	1.53	0.14	0.08	0.46	0.16	0	1.33	0.31	1.07
ACRE-FEET	216	0	2,230	94	7.7	4.8	27.6	9.9	0	82	19	64

Remarks:

YEAR OR PERIOD MEAN 3.81
ACRE-FEET 2,820

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F20 B-R

Daily discharge, in second-feet of TUJUNGA WASH at Glen Oaks Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	6.0	10	36	16	0	0	0	0	0	0
2	0	0	6.0	14	32	16	0	0	0	0	0	0
3	0	0	27	6.0	29	9.5	0	0	0	0	0	0
4	0	0	26	4.0	28	0	0	0	0	0	0	0
5	0	0	36	1.0	26	0.1	0	0	0	0	0	0
6	0	4.0	34	0	26	0	0	0	0	0	0	0
7	0	4.0	27	8.0	25	0	0	0	0	0	0	0
8	0.1	2.0	28	23	24	0	0	0	0	0	0	0
9	0.1	11	40	27	24	0	0	0	0	0	0	0
10	0.1	12	38	29	26	0	0	0	0	0	0	0
11	0.1	10	32	30	26	0	0	0	0	0	0	0
12	0.1	43	29	31	25	0	0	0	0	0	0	0
13	0.1	65	16	31	24	0	0	0	0	0	0	0
14	0.1	26	5.0	31	24	0	0	0	0	0	0	0
15	0.1	17	4.0	30	24	0	0	0	0	0	0	0
16	0.1	6.0	4.0	30	23	0	0	0	0	0	0	0
17	0	14	3.0	30	22	0	0	0	0	0	0	0
18	0	23	3.0	29	22	0	0	0	0	0	0	0
19	0	15	3.0	29	22	0	0	0	0	0	0	0
20	0	15	2.0	33	22	0	0	0	0	0	0	0
21	0	62	11	34	22	0	0	0	0	0	0	0
22	0	115	19	38	22	0	0	0	0	0	0	0
23	0	74	18	41	21	0	0	0	0	0	0	0
24	0	67	19	43	20	0	0	0	0	0	0	0
25	0	56	24	44	20	0	0	0	0	0	0	0
26	0	41	14	45	18	0	0	0	0	0	0	0
27	0	59	246	45	17	0	0	0	0	0	0	0
28	0	55	255	46	17	0	0	0	0	0	0	0
29	0	50	5.0	46		0	0	0	0	0	0	0
30	0	19	3.0	44		0	0	0	0	0	0	0
31	0		5.0	40		0		0		0	0	
	0.9	865.0	988.0	892.0	667.0	41.6	0	0	0	0	0	0
MEAN	0.03	28.8	31.9	28.8	23.8	1.34	0	0	0	0	0	0
ACRE-FEET	1.8	1720	1960	1770	1320	83	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 9.47
ACRE-FEET 6,850

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of HANSEN SPREADING GROUNDS INTAKE CANAL, for the year ending September 30, 19 46

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	113	0	0	0	0	0
5	0	0	0	0	0	0	111	0	0	0	0	0
6	0	0	0	0	0	0	0	0	62	0	0	0
7	0	0	0	0	114	0	0	0	26	0	0	0
8	0	0	0	0	118	0	0	2.7	0	0	0	0
9	0	0	0	0	0	0	0	8.2	0	0	0	0
10	0	0	0	0	0	0	0	45	0	0	0	9.7
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	12	53	0	0	0
14	0	0	0	0	0	0	0	58	0	0	0	0
15	0	0	0	0	0	0	0	0	0	28	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	15
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	33	0	0
20	0	0	0	0	0	0	0	0	0	0	24	0
21	0	0	0	0	0	0	0	0	0	0	21	0
22	0	0	116	0	0	0	0	61	0	0	0	0
23	0	0	75	0	0	0	0	0	0	0	0	6.2
24	0	0	0	0	0	0	0	0	0	0	0	12
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	34	0	0
27	0	0	0	0	0	0	0	0	9.6	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	191.0	0	232.0	0	224.0	186.9	150.6	95.0	45.0	42.9
MEAN	0	0	6.16	0	8.29	0	7.47	6.04	5.02	3.06	1.45	1.43
ACRE-FEET	0	0	379	0	460	0	444	371	299	188	89	85

Remarks:

YEAR OR PERIOD MEAN 3.20
ACRE-FEET 2320

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of HANSEN SPREADING GROUNDS INTAKE CANAL, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	108	165	0	0	0	0	0	0	0	0
2	0	0	47	150	0	0	0	0	0	0	0	0
3	0	0	0	149	0	0	0	0	0	0	0	0
4	0	0	0	155	0	0	0	0	0	0	0	0
5	0	0	0	122	0	0	0	0	0	0	0	0
6	0	109	0	75	0	0	0	0	0	0	0	0
7	0	103	0	32	0	0	0	0	0	0	0	0
8	0	36	0	0	0	0	0	0	0	0	0	0
9	0	8.0	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	78	10	0	0	0	0	0	0	0	0	0
14	0	142	20	0	0	0	0	0	0	0	0	0
15	0	127	20	0	0	0	0	0	0	0	0	0
16	0	117	20	0	0	0	0	0	0	0	0	0
17	0	106	21	0	0	0	0	0	0	0	0	0
18	0	109	21	0	0	0	0	0	0	0	0	0
19	0	61	20	0	0	0	0	0	0	0	0	0
20	0	7.0	20	0	0	0	0	0	0	0	0	0
21	0	118	9.0	0	0	0	0	0	0	0	0	0
22	0	93	0	0	0	0	0	0	0	0	0	0
23	0	86	0	0	0	0	0	0	0	0	0	0
24	0	89	0	0	0	0	0	0	0	0	0	0
25	0	92	0	0	0	0	0	0	0	0	0	0
26	0	81	346	0	0	0	0	0	0	0	0	0
27	0	78	234	0	0	0	0	0	0	0	0	0
28	0	64	200	0	0	0	0	0	0	0	0	0
29	0	87	225	0		0	0	0	0	0	0	0
30	0	137	183	0		0	0	0	0	0	0	0
31	0		162	0		0		0		0	0	
	0	1928.0	1666.0	848.0	0	0	0	0	0	0	0	0
MEAN	0	64.3	53.7	27.4	0	0	0	0	0	0	0	0
ACRE-FEET	0	3820	3300	1680	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 12.2
ACRE-FEET 8800

STATION F105-R
TUJUNGA WASH at Magnolia Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'53", LONG. 118°24'43" ON THE DOWNSTREAM SIDE OF MAGNOLIA BOULEVARD BRIDGE, ABOUT 2 MILES WEST OF NORTH HOLLYWOOD. ELEVATION OF ZERO GAGE HEIGHT, 632.70 FEET.

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

CHANNEL AND CONTROL: CHANNEL - LOOSE SAND. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED AUGUST, 1930 OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. WASHED OUT IN THE MARCH 2, 1938 FLOOD. REINSTALLED ON OCTOBER 17, 1938 OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY BIG TUJUNGA DAM NO. 1. HAINES DEBRIS BASIN, AND HANSEN DAM.

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

RECORDS AVAILABLE: AUGUST, 1930 TO FEBRUARY 17, 1938 AND OCTOBER 17, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 2.1 SECOND-FEET, DECEMBER 21.
MINIMUM + FLOW VARIOUS DAYS.

1946-1947
MAXIMUM 2.3 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW PART OF YEAR.

1930-1947
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 1,350 SECOND-FEET, JANUARY 22, 1943.
MINIMUM NO FLOW.

ACCURACY: FAIR. LOW FLOWS USUALLY INTERPOLATED BETWEEN MEASUREMENTS.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
77	10/25	116P / 120P	DEVORE	3.0	0.41	0.49	7.46	0.20			5	0	FLOAT
78	11/8	215P / 220P	HAIG	1.6	0.35	0.40	7.46	0.14		.5	4	0	FC35
79	11/15	1005A / 1010A	"	1.7	0.42	0.24	7.46	0.10		.5	4	0	"
80	11/23	105P / 110P	"	1.5	0.30	0.30	7.48	0.09		.5	4	0	"
81	11/29	115P / 120P	"	1.5	0.43	0.35	7.51	0.15		.5	5	0	"
82	12/6	142P / 146P	"	1.5	0.55	0.25	7.51	0.14		.5	4	0	"
83	12/13	1220P / 1226P	"	1.5	0.60	0.25	7.54	0.15		.5	4	0	"
84	12/20	1223P / 1226P	"	1.5	0.60	0.22	7.55	0.13		.5	4	0	"
85	12/27	140P / 146P	"	3.0	1.14	0.25	7.55	0.28		.5	5	0	"
86	1/3	1222P / 1226P	"	2.0	0.64	0.38	7.55	0.24		.5	4	0	"
87	1/10	112P / 116P	"	2.0	0.62	0.35	7.54	0.22		.5	4	0	"
88	1/17	106P / 110P	"	1.6	0.56	0.38	7.55	0.21		.5	4	0	"
89	1/24	915A / 920A	"	1.6	0.53	0.34	7.55	0.18		.5	4	0	"
90	1/31	1215P / 1220P	"	2.0	0.56	0.30	7.56	0.17		.5	4	0	"
91	2/7	954A / 958A	"	2.0	0.66	0.41	7.56	0.27		.5	4	0	"
92	2/14	148P / 152P	"	2.5	0.69	0.32	7.55	0.22		.5	5	0	"
93	2/21	1139A / 1142A	"	2.1	0.67	0.33	7.55	0.22		.5	4	0	"
94	2/27	1140A / 1145A	"	2.1	0.62	0.29	7.55	0.18		.5	4	0	"
95	3/7	220P / 225P	"	2.0	0.60	0.27	7.55	0.16		.5	4	0	"
96	3/14	143P / 146P	"	1.6	0.50	0.36	7.55	0.18		.5	4	0	"
97	3/20	1024A / 1030A	"	1.8	0.64	0.45	7.60	0.29		.5	4	0	"
98	3/21	950A / 954A	"	2.0	0.66	0.27	7.56	0.18		.5	3	0	"
99	3/28	1020A / 1028A	"	2.6	1.13	0.50	7.66	0.56		.5	5	-.02	"
100	3/30	1255A / 103A	HAIG	2.5	1.34	0.58	7.81	0.78		.6	5	-.02	FC35
101	4/4	203P / 205P	"	2.3	0.66	0.39	7.56	0.26		.5	4	0	"
102	4/11	1224P / 1228P	"	2.3	0.58	0.40	7.54	0.23		.5	4	0	"
103	4/18	948A / 954A	"	2.0	0.56	0.34	7.55	0.19		.5	4	0	"
104	4/25	949A / 952A	"	2.0	0.52	0.38	7.54	0.20		.5	4	0	"
105	5/2	1130A / 1138A	"	1.6	0.52	0.35	7.52	0.18		.5	4	0	"
106	5/9	1220P / 1225P	"	1.6	0.54	0.22	7.51	0.12		.5	4	0	"
107	5/16	1025A / 1030A	"	1.6	0.48	0.21	7.50	0.10		.5	4	0	"
108	5/23	1010A / 1014A	"	1.4	0.63	0.30	7.50	0.19		.5	4	0	"
109	6/6	1125A / 1130A	"	1.4	0.46	0.20	7.46	0.09		.5	4	0	"
110	6/13	1040A / 1043A	BROWN	1.4	0.38	0.26	7.45	0.10		.5	3	0	FC24
111	6/20	1118A / 1122A	HAIG	1.4	0.38	0.24	7.45	0.09		.5	4	0	FC35
112	7/5	1146A / 1150A	"	1.2	0.38	0.21	7.39	0.08		.5	4	0	"
113	7/17	150P / 152P	"	0.60	0.18	0.33	7.39	0.06		.5	2	0	"
114	8/7	1230P / 1232P	"	0.60	0.08	0.50	7.48	0.04		.5	2		FC35

DISCHARGE MEASUREMENTS OF TUJUNGA WASH

AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
115	11-13	1141A / 1147A	WADDICOR - OCAMPO	7.0	3.07	0.59	7.99	1.8		.6	5	-.02	FC37
116	12-12	1017A / 1019A	WADDICOR	0.7	.035	0.27	7.56	0.01		.5	2	0	"
117	1-2	1110A / 1114A	"	1.0	0.05	0.20	7.60	0.01		.6	2	0	"
118	1-16	1015A / 1020A	"	1.0	0.05	0.60	7.59	0.03	FLOATS		2	0	
119	1-23	1017A / 1022A	"	TWO CHANNELS			7.56	0.04		"	4	0	
120	2-13	1048A / 1050A	WADDICOR-BLAKELY	1.3	0.07	0.14	7.56	0.01		.5	2	0	FC37
121	2-20	1120A / 1122A	BLAKELY	1.4	0.08	0.13	7.56	0.01		.5	2	0	FC35
122	3-6	1124A / 1126A	"	1.7	0.12	0.08	7.56	0.01		.5	2	0	"
123	3-20	1100A	"				7.60	0.01		"V" NOTCH WEIR			
124	4-3	1118A	"				7.90	0.01		"	"	"	
125	4-10	1217P	"				7.88	0.01		"	"	"	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH at Magnolia Boulevard, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.09	0.08	0.05	0.04
2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.09	0.08	0.04	0.04
3	0.2	0.2	0.1	0.2	0.4	0.2	0.2	0.2	0.09	0.08	0.04	0.04
4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.09	0.08	0.04	0.04
5	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.09	0.08	0.04	0.04
6	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.09	0.08	0.04	0.04
7	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.1	0.09	0.08	0.04	0.04
8	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.09	0.08	0.04	0.04
9	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.09	0.07	0.04	0.04
10	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.09	0.07	0.04	0.04
11	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.07	0.04	0.04
12	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.07	0.04	0.04
13	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.06	0.04	0.04
14	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.06	0.04	0.04
15	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.06	0.04	0.04
16	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.06	0.04	0.04
17	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.06	0.04	0.04
18	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.09	0.06	0.04	0.04
19	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.09	0.06	0.04	0.04
20	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.09	0.06	0.04	0.04
21	0.2	0.1	0.4	0.2	0.2	0.2	0.2	0.1	0.09	0.06	0.04	0.04
22	0.2	0.1	0.6	0.2	0.2	0.2	0.2	0.1	0.09	0.05	0.04	0.04
23	0.2	0.1	0.4	0.2	0.2	0.2	0.2	0.1	0.09	0.05	0.04	0.04
24	0.2	0.1	0.3	0.2	0.2	0.2	0.2	0.1	0.09	0.05	0.04	0.04
25	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.1	0.09	0.05	0.04	0.04
26	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.1	0.09	0.05	0.04	0.04
27	0.2	0.1	0.3	0.2	0.2	0.1	0.2	0.1	0.09	0.05	0.04	0.04
28	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.1	0.09	0.05	0.04	0.04
29	0.2	0.2	0.3	0.2		0.3	0.2	0.1	0.08	0.05	0.04	0.04
30	0.2	0.1	0.2	0.2		0.6	0.2	0.09	0.08	0.05	0.04	0.04
31	0.2		0.2	0.2		0.3		0.09		0.05	0.04	
	6.2	3.6	6.6	6.2	6.2	6.8	6.3	3.78	2.75	1.96	1.25	1.20
MEAN	0.20	0.12	0.21	0.20	0.22	0.22	0.21	0.12	0.09	0.06	0.04	0.04
ACRE-FEET	12.	7.1	13.	12.	12.	13.	12.	7.5	5.4	3.9	2.5	2.4

Remarks:

YEAR OR PERIOD MEAN 0.14
ACRE-FEET 103.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 105-R

Daily discharge, in second-feet of TUJUNGA WASH at Magnolia Boulevard, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.1	0.06	0.08	0.01	0.01	0.01	0.01	+	0	0
2	+	+	0.1	0.02	0.08	0.01	0.01	0.01	0.01	+	0	0
3	+	+	0.1	0.02	0.09	0.01	0.01	0.01	0.01	+	0	0
4	+	+	0.1	0.02	0.09	0.01	0.01	0.01	0.01	+	0	0
5	+	+	0.1	0.04	0.1	0.01	0.01	0.01	+	+	0	0
6	+	+	0.1	0.04	0.1	0.01	0.01	0.01	+	+	0	0
7	+	+	0.1	0.02	0.09	0.01	0.01	0.01	+	+	0	0
8	+	+	0.1	0.02	0.08	0.01	0.01	0.01	+	+	0	0
9	+	+	0.08	0.02	0.07	0.01	0.01	0.01	+	+	0	0
10	+	+	0.04	0.01	0.05	0.01	0.01	0.01	+	+	0	0
11	+	+	0.02	0.04	0.04	0.01	0.01	0.01	+	+	0	0
12	+	0.1	0.02	0.08	0.03	0.01	0.01	+	+	+	0	0
13	+	0.6	0.04	0.08	0.01	0.01	0.01	+	+	+	0	0
14	+	0.1	0.06	0.08	0.01	0.01	0.01	+	+	+	0	0
15	+	0.1	0.08	0.06	0.01	0.01	0.01	+	+	0	0	0
16	+	0.1	0.06	0.04	0.01	0.01	0.01	+	+	0	0	0
17	+	0.1	0.06	0.04	0.01	0.01	0.01	+	+	0	0	0
18	+	0.1	0.04	0.04	0.01	0.01	0.01	+	+	0	0	0
19	+	0.1	0.02	0.04	0.01	0.01	0.01	+	+	0	0	0
20	+	0.1	0.02	0.04	0.01	0.01	0.01	+	+	0	0	0
21	+	0.1	0.04	0.04	0.01	0.01	0.01	+	+	0	0	0
22	+	0.1	0.06	0.04	0.01	0.01	0.01	+	+	0	0	0
23	+	0.3	0.06	0.04	0.01	0.01	0.01	+	+	0	0	0
24	+	0.1	0.08	0.04	0.01	0.01	0.01	+	+	0	0	0
25	+	0.1	0.2	0.04	0.01	0.01	0.01	0.01	+	0	0	0
26	+	0.1	0.6	0.05	0.01	0.01	0.01	0.01	+	0	0	0
27	+	0.1	0.2	0.05	0.01	0.01	0.01	0.01	+	0	0	0
28	+	0.1	0.2	0.06	0.01	0.01	0.01	0.01	+	0	0	0
29	+	0.1	0.2	0.06		0.01	0.01	0.01	+	0	0	0
30	+	0.1	0.1	0.07		0.01	0.01	0.01	+	0	0	0
31	+		0.1	0.07		0.01		0.01		0	0	
		2.6	3.18	1.37	1.06	0.31	0.30	0.18	0.04		0	0
MEAN	+	0.087	0.103	0.044	0.038	0.010	0.010	0.006	0.001	+	0	0
ACRE-FEET	+	5.2	6.3	2.7	2.1	0.6	0.6	0.4	0.1	+	0	0

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

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 18.0

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

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

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

CHANNEL AND CONTROL: CHANNEL - LOOSE SAND. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED AUGUST 1930 AT STATION F106-R. REMOVED MARCH 1936. INSTALLED TEMPORARILY MARCH 1936 AT STATION F106B-R AT CHANDLER BOULEVARD, REMOVED JULY 1936. REINSTALLED AUGUST 1936 AT STATION F106-R. REMOVED MARCH 2, 1938. REINSTALLED SEPTEMBER 25, 1939 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED NOVEMBER 11, 1941. REINSTALLED NOVEMBER 24, 1941 AT STATION F106-R OVER A 20 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY HANSEN DAM, BIG TUJUNGA DAM NO. 1, AND HAINES DEBRIS BASIN.

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

RECORDS AVAILABLE:
AT STATION F106B-R
MARCH 20, 1936 TO JULY 29, 1936
SEPTEMBER 25, 1939 TO NOVEMBER 11, 1941.
AT STATION F106-R
AUGUST, 1930 TO MARCH 18, 1936
AUGUST 20, 1936 TO MARCH 2, 1938
NOVEMBER 24, 1941 TO SEPTEMBER 30, 1947

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 357 SECOND-FEET, DECEMBER 24
MINIMUM NO FLOW MOST OF YEAR
1946-1947
MAXIMUM 593 SECOND-FEET, DECEMBER 28
MINIMUM NO FLOW MOST OF YEAR
1930-1947
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938
MAXIMUM DISCHARGE OF RECORD, 3,110 SECOND-FEET, JANUARY 1, 1934
MINIMUM NO FLOW MOST OF YEAR.

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

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT ~~NEAR~~ Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
116	12/22	741A / 752A	DEVORE	TWO CHANNELS			4.96	26.0		.6	8	+ .02	FC42
117	12/23	440P / 500P	HAIG	"	"		5.50	236.		.6	10	+ .11	FC35
118	12/24	1210P / 1230P	"	"	"		5.64	229.		.6	10	- .13	"
119	3/30	445A / 455A	"	32.0	20.6	2.99	5.41	61.3		.5	6	- .04	"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH

AT ~~NEAR~~ Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
120	11-12	810A / 820A	WADDICOR - OCAMPO	10.0	2.96	1.22	4.39	3.6		.6	5	0	FC37
121	11-12	1020P / 1030P	" "	20.0	5.2	1.31	4.67	6.8		.6	6	0	"
122	11-13	1105A / 1115A	" "	23.0	5.1	1.22	4.97	6.2		.6	7	0	"
123	11-20	947A / 952A	" "	6.0	1.3	1.46	4.81	1.9		.6	6	0	"
124	12-26	116A / 127A	" "	20.0	8.14	2.34	4.87	19.		.6	9	+ .03	"
125	12-27	605P / 618P	TURNER - RILEY	TWO CHANNELS			5.38	104.		.6	11	+ .02	FC43
126	12-28	110P / 122P	WADDICOR - TURNER	42.0	23.3	3.74	5.47	87.		.6	12	0	"
127	3-28	915A / 920A	BLAKELY	4.0	0.60	2.12	5.08	1.3	FLOATS		1	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 19 46

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	0.8	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0.1	0	0	0	0	0	0
20	0	0	0	0	0	0.1	0	0	0	0	0	0
21	0	0	3.0	0	0	0	0	0	0	0	0	0
22	0	0	30	0	0	0	0	0	0	0	0	0
23	0	0	105	0	0	0	0	0	0	0	0	0
24	0	0	231	0	0	0	0	0	0	0	0	0
25	0	0	42	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	0.1	0	0	0	0	0	0
29	2.1	0	0	0		0.3	0	0	0	0	0	0
30	0.1	0	0	0		9.7	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	2.2	0	411.0	0	0.8	103	0	0	0	0	0	0
MEAN	0.07	0	13.3	0	0.03	0.33	0	0	0	0	0	0
ACRE-FEET	4.4	0	815.	0	1.6	20.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.16
ACRE-FEET 841.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

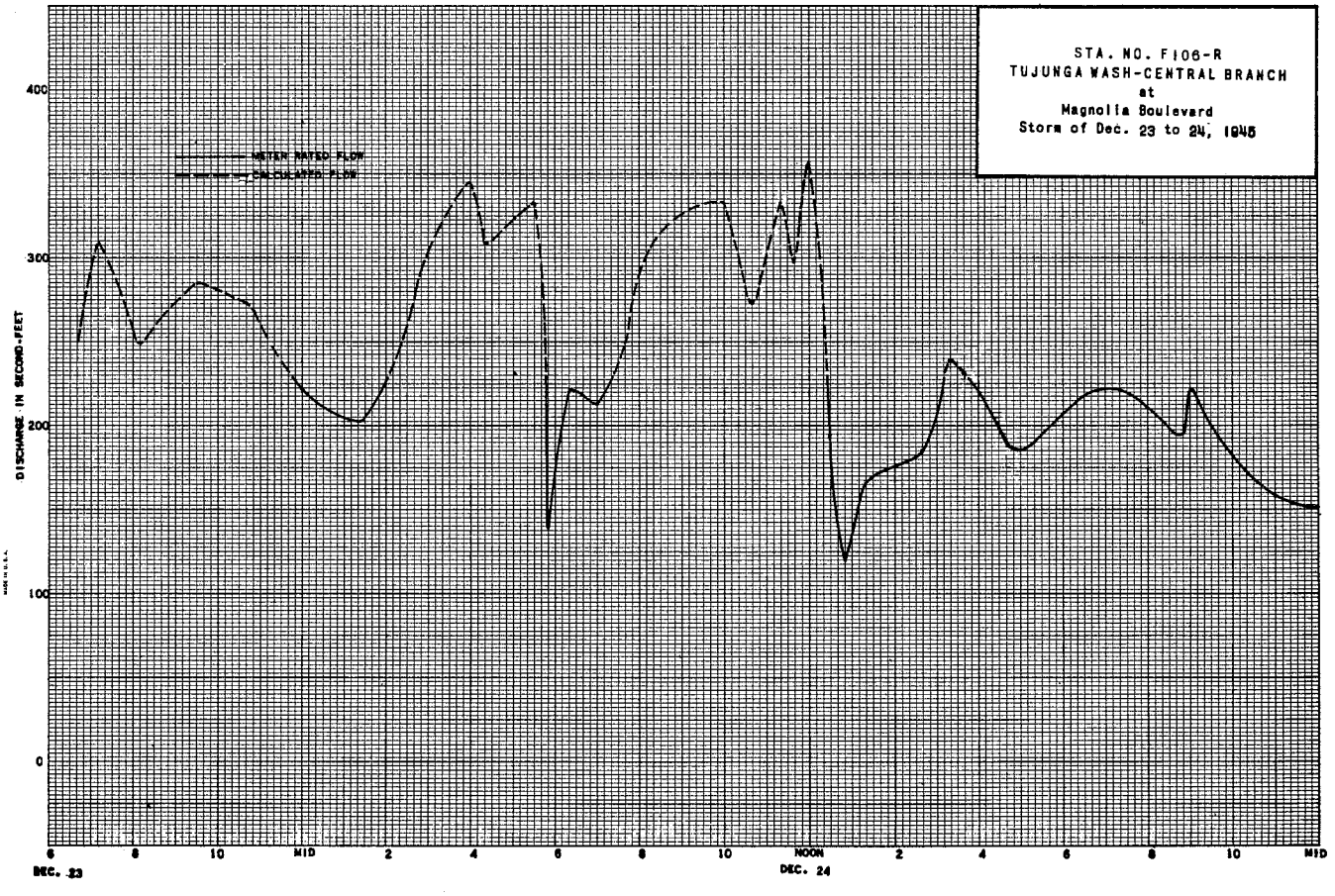
Sta. No. F 106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	+	0	0	0	0	0
4	0	0	0	0	0	0	+	0	0	0	0	0
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	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	1.0	0	0	0	0	0	0	0	0	0	0
13	0	4.1	0	0	0	0	0	0	0	0	0	0
14	0	4.3	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	2.3	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	4.3	0	0	0	0	0	0	0	0	0	0
24	0	0	0.3	0	0	0	0	0	0	0	0	0
25	0	0	2.6	0	0	0	0	0	0	0	0	0
26	0	0	4.1	0	0	0	0	0	0	0	0	0
27	0	0	4.7	0	0	0	0	0	0	0	0	0
28	0	0	14.8	0	0	0.6	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	15.0	225.4	0	0	0.6		0	0	0	0	0
MEAN	0	0.50	7.27	0	0	0.02	+	0	0	0	0	0
ACRE-FEET	0	30	447	0	0	1.2	+	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.66
ACRE-FEET 478



STATION F270-R
CALABASAS CREEK at Ventura Boulevard

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

DRAINAGE AREA: 2.4 SQUARE MILES.

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

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

RECORDER: INSTALLED FEBRUARY 17, 1940 OVER A 24 INCH CORRUGATED IRON PIPE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1 1945 TO SEPTEMBER 30, 1947.

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

RECORDS AVAILABLE: FEBRUARY 17, 1940 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 30 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 45. SECOND-FEET, NOVEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1940-1947
MAXIMUM 551 SECOND-FEET, FEBRUARY 20, 1941.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F270-R

Daily discharge, in second-feet of CALABASAS CREEK at Ventura Boulevard, for the year ending September 30, 19 46

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
3	0	0	0	0	0.2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0.1	0	0	0	0	0	0
20	0	0	0	0	0	0.1	0	0	0	0	0	0
21	0	0	1.5	0	0	0	0	0	0	0	0	0
22	0	0	0.9	0	0	0	0	0	0	0	0	0
23	0	0	0.5	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	1	0	0	0	0	0	0
29	0	0	0	0		0.4	0	0	0	0	0	0
30	0	0	0	0		4.3	0	0	0	0	0	0
31	0		0	0		0.5		0		0	0	
	0	0	2.9	0	0.2	5.4	+	0	0	0	0	0
MEAN	0	0	0.09	0	0.01	0.17	+	0	0	0	0	0
ACRE-FEET	0	0	5.8	0	0.4	10.7	+	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 16.9

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

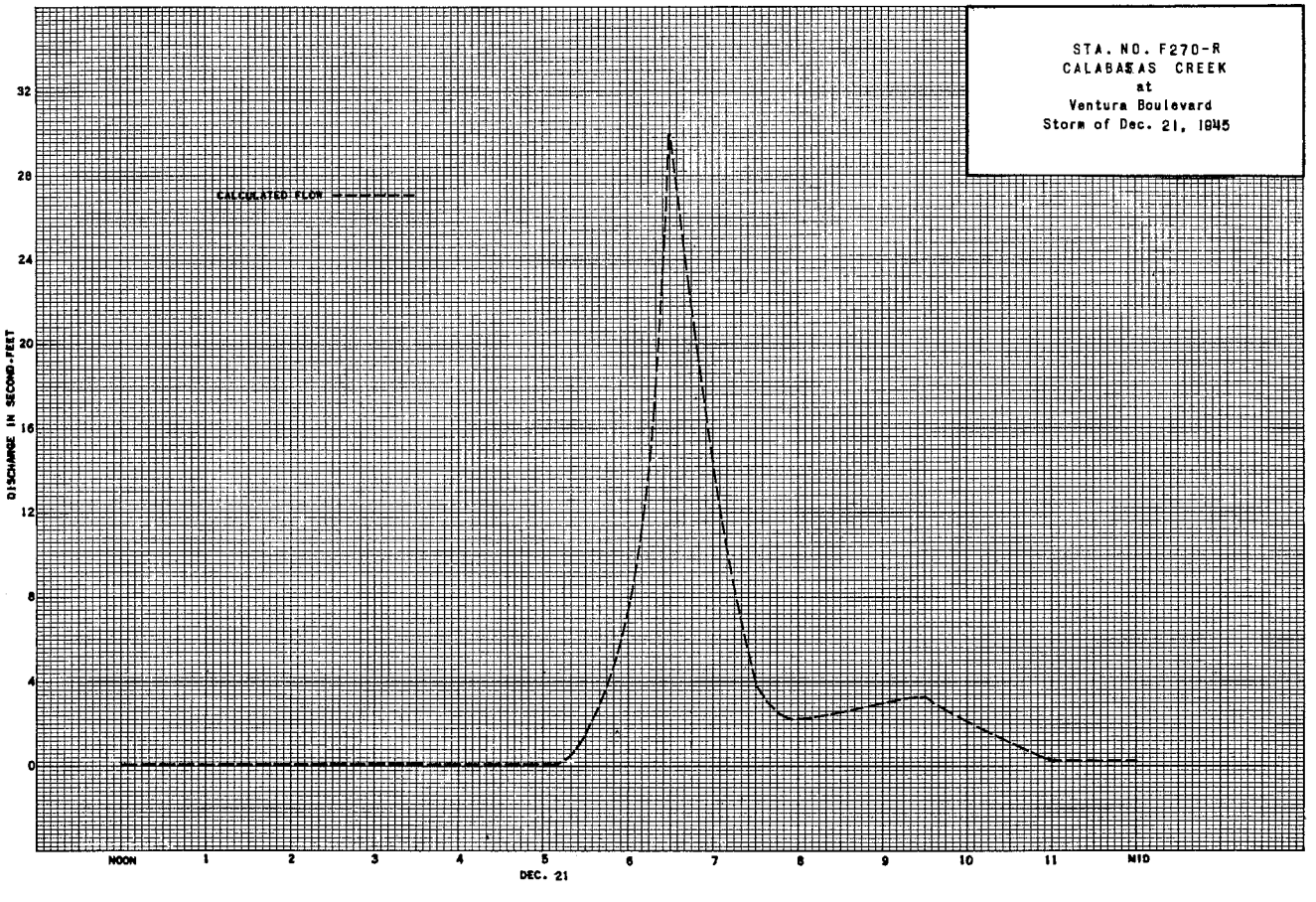
Sta. No. F 270-R

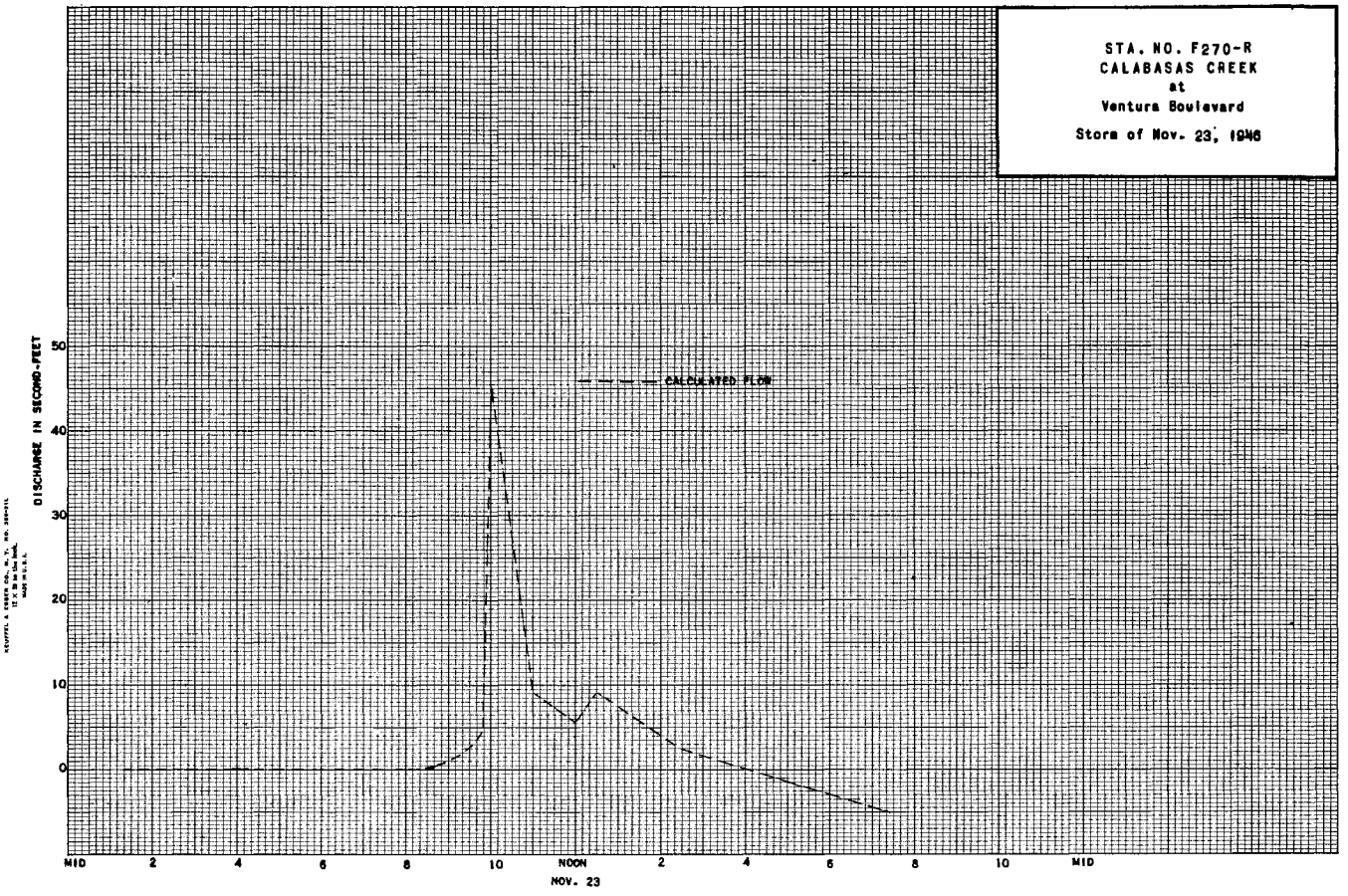
Daily discharge, in second-feet of CALABASAS CREEK at Ventura Boulevard, for the year ending September 30, 1947

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
9	0	0	0	0	+	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	+	0	0	0	0	0	0	0	0	0	0
12	0	+	0	0	0	0	0	0	0	0	0	0
13	0	1.5	0	0	0	0	0	0	0	0	0	0
14	0	0.1	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	0.1	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	2.6	0	0	0	0	0	0	0	0	0	0
24	0	0	0.1	0	0	0	0	0	0	0	0	0
25	0	0	0.8	0	0	0	0	0	0	0	0	0
26	0	0	0.7	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	0.2	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	4.2	1.6	0		0.3	0	0	0	0	0	0
MEAN	0	0.14	0.05	0	+	0.01	0	0	0	0	0	0
ACRE-FEET	0	8.3	3.2	0	+	0.6	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 12.1





STATION F108 R
CASTAIC CREEK at Highway 126

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'41", LONG. 118°37'41", NEAR THE CENTER OF THE DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT HIGHWAY NO. 126 ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF HIGHWAY NO. 126 AND HIGHWAY NO. 99. ELEVATION OF ZERO GAGE HEIGHT, 952.05 FEET.

DRAINAGE AREA: 195. 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 DECEMBER 27, 1945 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1947. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:
1945-1946 (FOR PERIOD OF RECORD)
MAXIMUM 995 SECOND-FEET, MARCH 30.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 1440 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: FAIR

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

DISCHARGE MEASUREMENTS OF CASTAIC CREEK

AT NEAR Highway 126 DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	12/22	1100A / 1135A	TURNER	THREE CHANNELS				536.		.6	20	0	FC43
2	12/23	925A / 945A	TURNER - PALMER	TWO CHANNELS				220.		.6	18	0	"
3	12/27	130P / 140P	TURNER	11.4	2.29	1.44	4.66	3.3		.5	10	0	"
4	1/3	1223P / 1239P	"	8.5	2.06	1.26	4.72	2.6		.5	8	0	"
5	1/10	105P / 115P	"	7.5	1.54	1.23	4.57	1.9		.5	8	0	"
6	1/16	1255P / 105P	"	7.0	0.84	0.89	4.66	0.8		.5	7	0	"
7	1/24	1245P / 1250P	"	3.5	0.60	1.05	4.69	0.6		.5	4	0	"
8	2/3	305P / 315P	TURNER - PALMER	9.5	3.44	2.27	4.94	7.8		.6	6	0	"
9	2/6	1245P / 1250P	TURNER	5.0	0.92	1.41	4.70	1.3		.5	5	0	"
10	2/14	1230P / 1235P	"	4.0	0.52	1.04	4.70	0.5		.5	4	0	"
11	2/21	1210P / 1215P	"	5.0	0.74	1.08	4.71	0.8		.5	6	0	"
12	3/30	745A / 820A	TURNER - WRIGHT	FOUR CHANNELS			5.88	863.		.6	25	-10	"
13	3/30	610P / 630P	" "	THREE CHANNELS			5.77	460.		.6	20	0	"
14	3/31	1115A / 1135A	TURNER	TWO CHANNELS			5.60	258.		.6	17	0	"
15	4/3	1210P / 1230P	"				5.06	46.5		.6	18	0	"
16	4/11	1205P / 1215P	"	17.0	5.35	2.00	4.68	10.7		.5	9	0	"
17	4/19	1040A / 1046A	"	14.0	2.44	1.39	4.48	3.4		.5	7	0	"

DISCHARGE MEASUREMENTS OF CASTAIC CREEK

AT NEAR Highway 126 DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
18	11-13	955A / 1018A	LUCE - WRIGHT	THREE CHANNELS			5.58	250.		.6	22	+.75	FC39
19	11-13	400P / 418P	" "	" "			5.40	299.		.6	20	-.12	"
20	11-20	1007A / 1023A	" "	TWO CHANNELS			5.33	197.		.6	18	-.06	"
21	12-26	900A / 930A	" "	" "			5.47	477.		.6	21	-.03	"
22	12-27	1010A / 1030A	" "	" "			5.16	229.		.6	19	+.05	"
23	12-31	326P / 335P	LUCE	19.0	7.98	2.35	4.50	18.6		.6	7	0	"
24	1-9	1240P / 1245P	"	5.5	1.08	0.75	4.12	0.81		.5	5	0	"
25	1-15	1120A / 1125A	"	3.0	0.22	0.27	4.07	0.06		.5	3	0	"
26	2-14	1130A / 1135A	"	4.5	1.27	1.26	4.08	1.6		.6	4	0	"
27	2-20	115P / 120P	"	2.0	0.22	0.27	3.89	0.06		.5	2	0	"
28	3-28	1205P / 1212P	"	7.0	2.22	1.46	4.19	3.2		.6	6	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

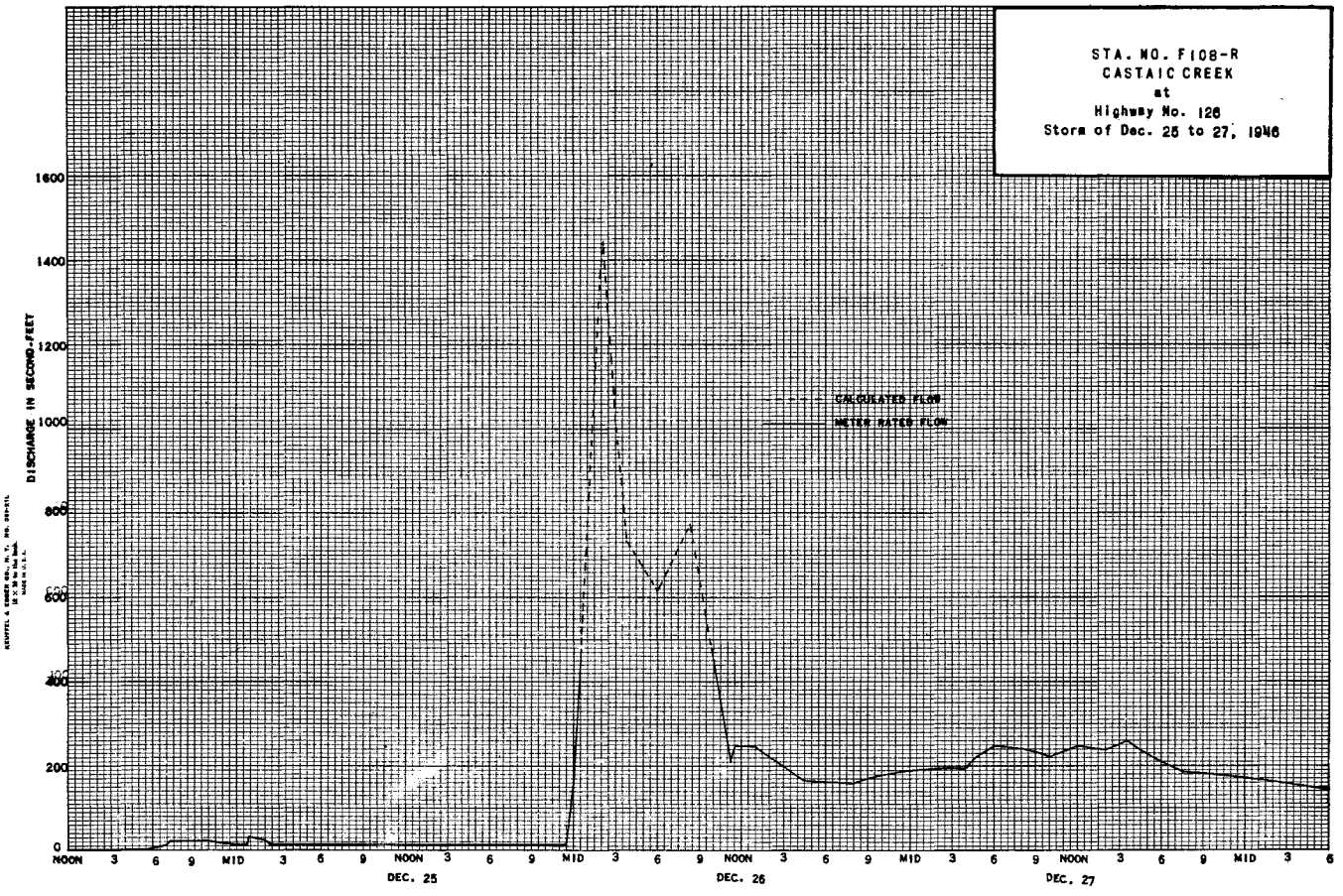
Sta. No. F 108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway #126, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	15	0.1	0	0	4.4	0	0	0	0
2	0	0	0	11	0.1	0	0	0	0	0	0	0
3	0	0	0	9.6	0.1	0	0	0	0	0	0	0
4	0	0	0	9.6	0.1	0	0	0	0	0	0	0
5	0	0	0	8.7	0.1	0	0	0	0	0	0	0
6	0	0	12	6.9	0.1	0	0	0	0	0	0	0
7	0	0	0	3.0	0.1	0	0	0	0	0	0	0
8	0	0	0	1.5	0.2	0	0	0	0	0	0	0
9	0	0	0	1.1	1.2	0	0	0	0	0	0	0
10	0	0	0	0.6	1.2	0	0	0	0	0	0	0
11	0	0	0	0.5	1.7	0	0	0	0	0	0	0
12	0	0	0	0.4	1.1	0	0	0	0	0	0	0
13	0	2.9	0	0.4	1.1	0	0	0	0	0	0	0
14	0	9.6	0	0.2	0.6	0	0	0	0	0	0	0
15	0	0	0	0.1	0.6	0	0	0	0	0	0	0
16	0	0	0	0	0.7	0	0	0	0	0	0	0
17	0	0	0	0	0.9	0	0	0	0	0	0	0
18	0	0	0	0	1.7	0	0	0	0	0	0	0
19	0	0	0	0	1.1	0	0	0	0	0	0	0
20	0	7.5	0	0	0.1	0	0	0	0	0	0	0
21	0	4.8	0	0	0	1.1	0	0	0	0	0	0
22	0	0	0	0	0	5.5	0	0	0	0	0	0
23	0	9.9	0	0	0	0	0	0	0	0	0	0
24	0	1.4	9.6	0	0	0	0	0	0	0	0	0
25	0	0	1.7	0.1	0	0	0	0	0	0	0	0
26	0	0	435	0.1	0	0	0	0	0	0	0	0
27	0	0	215	0.1	0	0	0	0	0	0	0	0
28	0	0	132	0.4	0	1.1	0	0	0	0	0	0
29	0	0	80	0.6		0	6.8	0	0	0	0	0
30	0	0	45	0.2		0	5.7	0	0	0	0	0
31	0		25	0.1		0				0	0	
	0	451.4	970.6	70.2	23.7	17.6	12.5	4.4	0	0	0	0
MEAN	0	15.0	31.3	2.26	.85	0.57	0.42	0.14	0	0	0	0
ACRE-FEET	0	895	1930	139	47	35	25	9	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.25 ACRE-FEET 3,080



STATION F37B-R

COMPTON CREEK near Greenleaf Drive

LOCATION: WATER STAGE RECORDER, LAT. 33°52'54", LONG. 118°13'27", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTER LINE OF GREENLEAF DRIVE EXTENDED AND ABOUT ONE AND ONE-HALF MILES SOUTHWEST OF COMPTON. ELEVATION OF ZERO 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, U.S. ARMY. INSTALLED OCTOBER 3, 1938 OVER A 4.0 FT. X 3.2 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947.

EXTREMES OF DISCHARGE:
1944-1945
MAXIMUM 2,010 SECOND-FEET, DECEMBER 23.
MINIMUM 2.6 SECOND-FEET, DECEMBER 20.
1946-1947
MAXIMUM 2930 SECOND-FEET, NOVEMBER 23.
MINIMUM 1.6 SECOND-FEET, SEPTEMBER 2.
1928-1947 (STATIONS F37-R AND F37B-R)
MAXIMUM DISCHARGE NOT DETERMINED, OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 3,010 SECOND FEET, NOVEMBER 11, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GDDD

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

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
326	10/4	1100A / 1110A	BONADIMAN	31.0	13.3	0.47	0.57	6.2		.6	4	0	FC19
327	11/15	1010A / 1018A	"	33.0	12.9	0.47	0.51	6.0		.6	4	0	"
328	12/6	1032A / 1040A	"	40.0	15.5	0.47	0.54	5.7		.6	5	0	"
329	12/21	1045P / 1102P	BONADIMAN-KASIMOFF	80.0	150.	3.40	2.70	512.		.6	7	+.06	"
330	1/31	1002A / 1012A	BONADIMAN	58.0	20.2	0.42	0.50	8.4		.6	5	0	"
331	2/21	1032A / 1044A	"	51.0	14.9	0.36	0.56	5.4		.6	6	0	"
332	3/20	341P / 356P	BONADIMAN-KASIMOFF	60.0	150.	3.50	2.71	526.		.6	8	+.12	"
333	3/21	1040A / 1050A	" "	58.0	17.8	0.40	0.50	7.2		.6	6	0	"
334	3/28	1031A / 1042A	BONADIMAN	60.0	59.5	2.60	1.19	154.		.6	8	-.08	"
335	3/30	1041A / 1057A	BONADIMAN-KASIMOFF	60.0	181.	4.49	3.20	814.		.6	9	+.09	"
336	5/2	1102A / 1114A	BONADIMAN	56.0	20.3	0.42	0.57	8.5		.6	10	0	"
337	6/6	1002A / 1014P	"	TWO CHANNELS			0.58	6.4		.6	6	0	"
338	7/3	1010A / 1020A	"	19.0	9.80	0.68	0.58	6.6		.6	6	0	"
339	7/23	952A / 1002A	"	20.0	10.1	0.57	0.57	5.8		.6	6	0	"
340	8/23	1002A / 1012A	"	22.0	11.2	0.58	0.58	6.5		.6	6	0	"

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT NEAR Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
341	10/3	1052A / 1100A	BONADIMAN	31.0	11.8	0.58	0.57	6.8		.6	7	9	FC19
342	10/16	1045A / 1057A	"	58.5	27.2	0.99	0.72	26.9		.6	10	-.02	"
343	10/17	1031A / 1045A	"	54.0	18.9	0.37	0.57	7.0		.6	10	0	"
344	11/12	732A / 746A	BONADIMAN LANG	60.0	186.	2.13	3.55	396.		.6	9	-.20	"
345	11/12	746A / 800A	"	60.0	186.	2.16	3.37	402.		.6	8	-.16	"
346	11/20	1126A / 1145A	BONADIMAN	60.0	103.	2.02	2.16	208.		.6	9	-.22	"
347	11/21	1056A / 1110A	"	59.0	12.9	0.54	0.54	7.0		.6	13	0	"
348	11/23	1236P / 1252P	BONADIMAN LANG	60.0	206.	3.50	3.76	721.		.6	9	-.32	"
349	12/12	1122A / 1132A	BONADIMAN	22.0	10.3	0.49	0.55	5.0		.6	6	0	"
350	1/29	142P / 152P	"	39.0	13.4	0.60	0.53	8.1		.6	5	0	"
351	2/10	132P / 142P	"	58.0	18.7	0.44	0.57	8.3		.6	7	0	"
352	3/6	252P / 302P	"	58.0	18.1	0.34	0.55	6.2		.6	7	0	"
353	3/11	820A / 832A	"	33.0	5.61	1.17	0.57	6.6		.6	9	0	"
354	3/11	1122A / 1132A	"	41.0	13.5	0.40	0.55	5.3		.6	9	0	"
355	4/10	302P / 312P	"	38.0	15.6	0.45	0.52	7.0		.6	6	0	"
356	5/1	302P / 312P	"	55.0	16.6	0.39	0.51	6.5		.6	7	0	"
357	5/29	312P / 324P	"	58.0	20.3	0.39	0.55	8.0		.6	10	0	"
358	7/3	242P / 254P	"	17.0	8.00	0.85	0.52	6.8		.6	6	0	"
359	7/24	252P / 300P	"	35.0	14.7	0.52	0.52	7.6		.6	5	0	"
360	8/21	312P / 320P	"	33.0	11.5	0.43	0.56	4.9		.6	5	0	"

P. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F378-B

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.6	8.7	8.7	7.9	8.7	4.4	b 7.9	8.7	6.4	5.6	9.5	7.1
2	5.6	7.9	7.9	8.7	9.5	4.4	30	7.9	4.8	7.1	7.1	5.6
3	5.6	7.9	6.4	8.7	14.2	4.1	b 7.9	7.9	5.6	7.9	6.4	4.4
4	4.1	8.7	5.6	8.7	b 27	3.7	7.9	8.7	6.4	7.1	5.6	7.9
5	a 4.7	8.7	7.9	10	22	3.4	6.4	7.1	5.6	4.8	6.4	7.1
6	a 5.3	8.7	6.4	10	16	3.4	5.6	7.1	5.6	10	7.9	7.1
7	a 5.9	8.7	5.6	10	9.5	3.4	4.4	8.7	5.6	9.5	7.9	7.1
8	6.5	7.9	4.8	10	8.7	3.0	b 4.1	7.9	6.4	7.9	6.4	7.1
9	7.1	7.1	4.8	10	7.9	3.0	4.8	7.9	4.8	9.5	7.1	6.4
10	7.1	6.4	4.8	9.5	7.9	3.0	6.4	7.9	4.4	9.5	8.7	8.7
11	7.9	6.4	4.8	9.5	7.1	3.0	8.7	6.4	4.8	8.7	5.6	8.7
12	7.1	4.1	4.4	8.7	6.4	3.0	7.9	6.4	5.6	8.7	7.1	8.7
13	7.1	4.1	4.4	8.7	5.6	3.0	7.1	5.6	6.4	8.7	5.6	9.5
14	7.1	4.8	4.4	8.7	4.8	3.0	6.4	6.4	7.1	7.1	4.4	8.7
15	7.1	6.4	4.4	9.5	b 5.6	3.0	6.4	6.4	7.1	7.1	4.4	7.9
16	7.9	7.1	4.1	9.5	a 5.6	3.0	6.4	6.4	5.6	7.1	4.8	7.1
17	7.9	7.1	3.7	10	5.6	3.0	6.4	4.8	4.8	7.1	7.9	7.9
18	7.9	7.1	3.4	10	5.6	3.0	5.6	5.6	7.1	7.1	5.6	7.9
19	7.9	6.4	2.6	10	5.6	84	6.4	5.6	7.1	6.4	4.8	8.7
20	7.9	6.4	2.6	11	a 5.6	119	5.6	5.6	7.1	5.6	7.1	10
21	8.7	6.4	165	11	5.6	7.2	4.8	7.1	7.1	6.4	7.1	8.7
22	8.7	5.6	362	11	5.6	b 7.1	4.8	7.1	7.1	7.1	6.4	8.7
23	9.5	6.4	191	10	5.6	7.1	4.8	7.1	6.4	10	7.1	7.9
24	8.7	4.8	4.5	10	4.8	7.1	4.8	7.1	5.6	11	7.1	9.5
25	8.7	5.6	24.2	10	4.8	7.1	5.6	7.9	7.1	9.5	5.6	8.7
26	10	5.6	4.8	9.5	4.8	7.1	7.1	7.9	7.1	7.9	4.8	7.9
27	12	5.6	6.4	9.5	4.8	b 7.1	7.1	7.1	7.1	7.9	7.1	7.9
28	12	5.6	7.9	8.7	4.4	90	6.4	7.1	7.1	7.1	7.1	9.5
29	14	7.1	7.9	8.7		70	7.1	6.4	7.1	6.4	7.1	7.1
30	22	8.7	7.9	8.7		230	7.9	6.4	6.4	5.6	6.4	7.9
31	13		7.9	8.7		b 14		4.8		6.4	7.1	
	260.6	202.0	891.2	294.9	357.1	716.6	212.7	215.0	186.4	237.8	203.2	237.4
MEAN	8.41	6.73	28.7	9.51	12.8	23.1	7.09	6.94	6.21	7.67	6.55	7.91
ACRE-FEET	517.	401.	1,770.	585.	708.	1,420.	422.	426.	370.	472.	403.	471.

Remarks:

YEAR OR PERIOD MEAN 11.0
ACRE-FEET 7,960

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

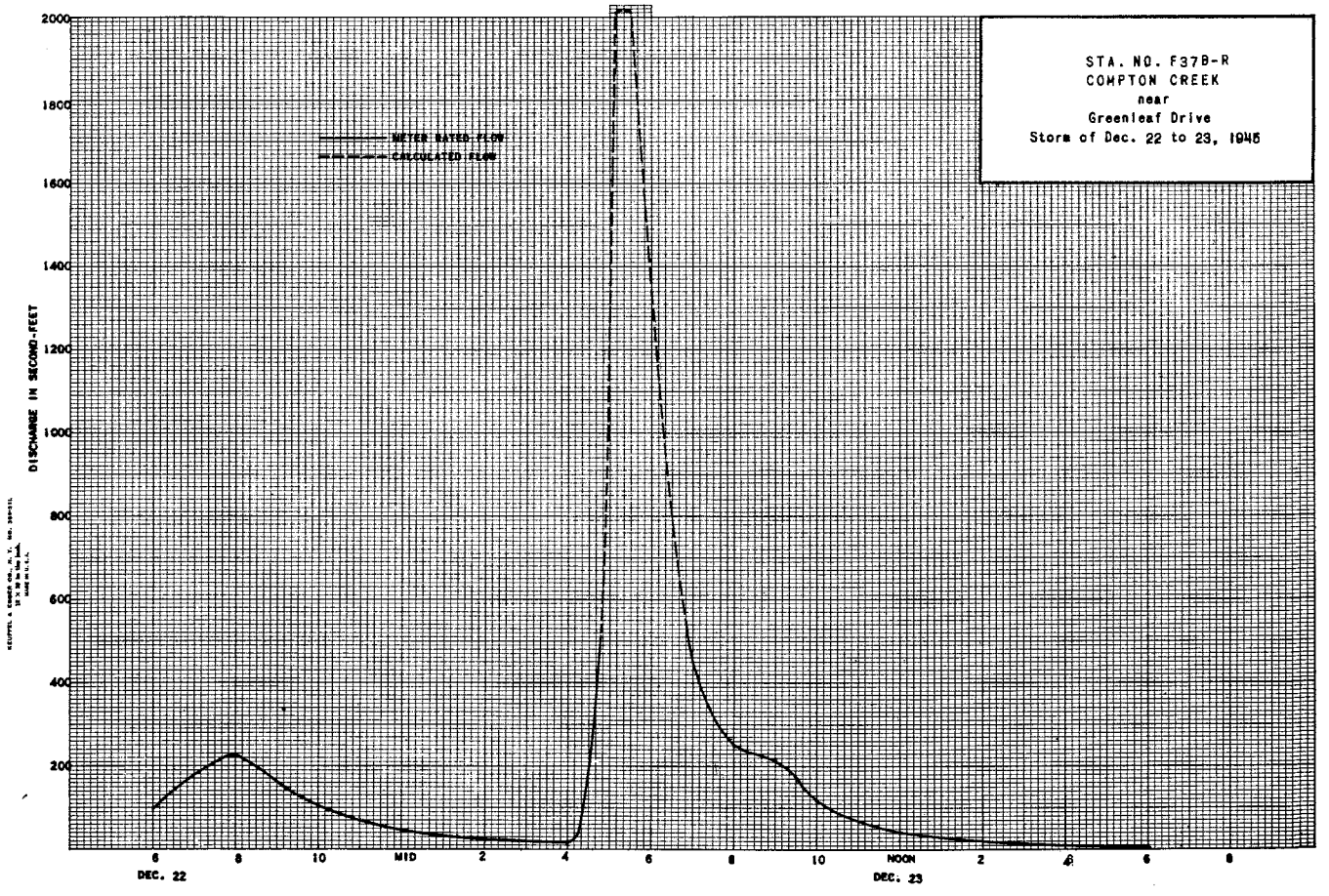
Sta. No. F 37B-R

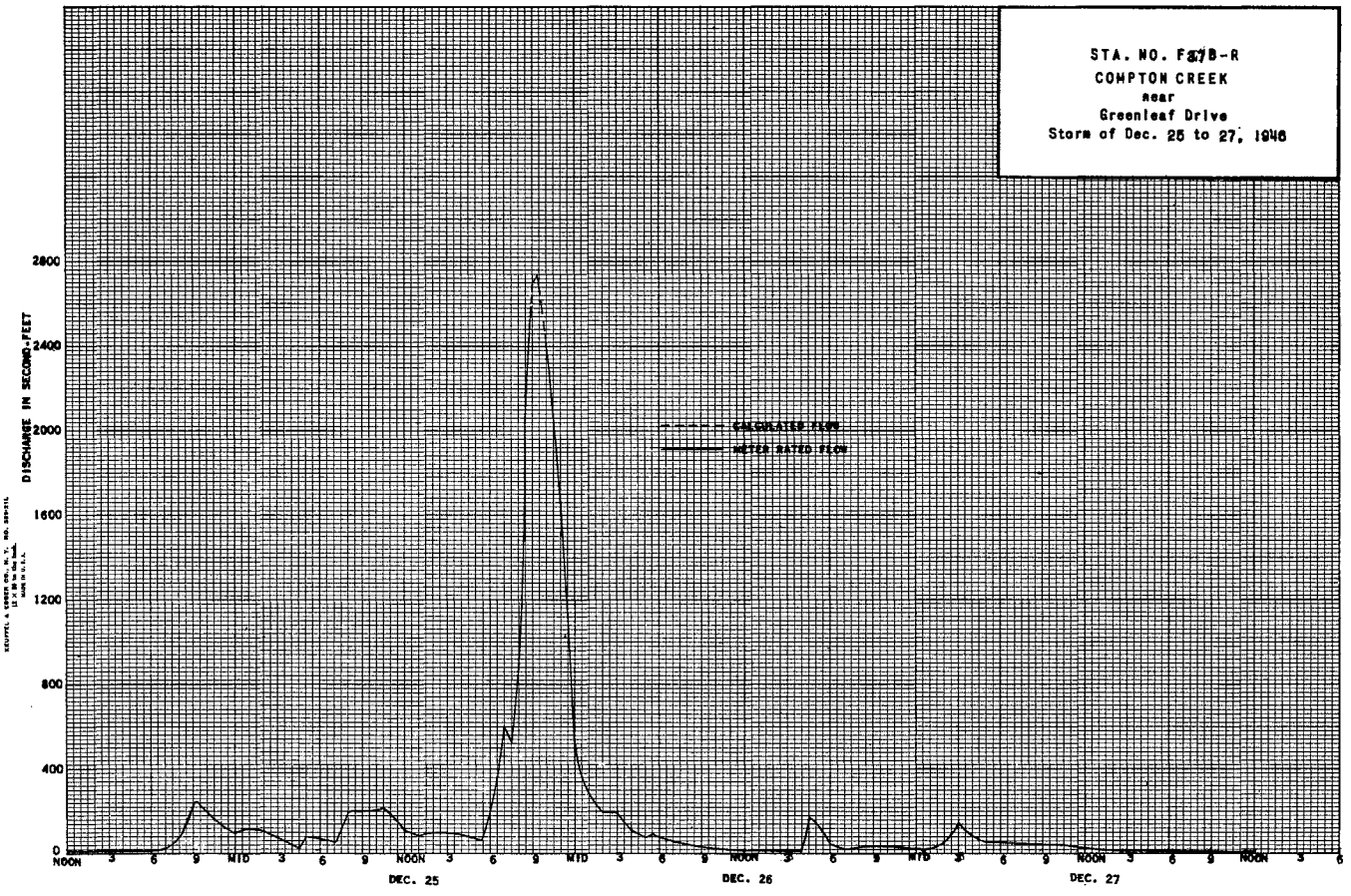
Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	5.6	6.4	5.6	7.1	6.4	10	8.7	8.7	8.7	12	4.1
2	6.4	6.4	6.4	4.8	7.1	6.4	11	8.7	6.4	8.7	13	4.4
3	6.4	5.6	9.5	6.4	7.1	9.5	11	8.7	7.1	8.7	10	7.1
4	7.9	5.6	8.7	7.1	7.9	8.7	8.7	8.7	8.7	8.7	13	7.1
5	7.9	6.4	9.5	6.4	7.9	9.5	8.7	8.7	9.5	7.9	13	4.8
6	7.1	5.6	25	7.1	7.9	6.4	9.5	9.5	10	8.7	12	4.8
7	7.9	6.4	5.6	7.9	9.5	6.4	8.7	9.5	6.4	9.5	11	4.4
8	10	7.9	4.4	7.9	8.7	5.6	10	9.5	5.6	10	15	4.4
9	9.5	5.6	4.4	7.9	47	5.6	10	8.7	8.7	10	11	6.4
10	10	5.6	4.8	7.9	8.7	4.8	10	18	10	10	8.7	5.6
11	10	41	4.8	9.5	7.9	6.4	9.5	7.9	10	11	8.7	5.6
12	10	474	5.6	8.7	7.9	6.4	9.5	7.1	10	11	7.1	5.6
13	10	243	4.4	7.9	7.9	5.6	8.7	7.9	10	9.5	8.7	6.4
14	10	79	4.1	7.9	7.1	4.8	7.9	9.5	7.9	12	8.7	5.6
15	13	7.9	4.4	7.9	7.9	5.6	10	7.1	7.1	14	7.9	7.9
16	44	7.1	b 4.4	8.7	7.1	5.6	10	8.7	7.1	13	7.1	7.9
17	6.4	7.9	b 4.4	8.7	8.7	5.6	11	8.7	7.9	14	6.4	7.1
18	6.4	7.9	b 4.4	8.7	7.9	7.1	12	8.7	7.9	15	4.8	8.7
19	6.4	8.7	b 4.8	7.9	7.9	6.4	11	8.7	8.7	16	7.9	7.9
20	4.8	110	5.6	7.1	7.9	24	10	10	8.7	13	7.1	7.1
21	4.4	9.5	6.4	7.1	7.9	12	10	10	7.9	15	6.4	7.9
22	6.4	10	5.6	6.4	7.9	9.5	19	9.5	7.1	18	5.6	7.9
23	6.4	403	4.4	7.1	6.4	a 9.5	11	8.7	7.9	12	5.6	7.9
24	6.4	8.7	38	8.7	6.4	a 9.5	10	9.5	8.7	15	6.4	7.9
25	7.1	7.1	450	8.7	7.1	a 9.5	9.5	9.5	9.5	14	7.9	8.7
26	6.4	7.1	77	7.9	7.1	a 9.5	9.5	8.7	9.5	12	5.6	7.1
27	12	7.9	34	7.9	7.1	a 9.5	9.5	10	9.5	10	4.8	7.1
28	5.6	7.9	7.1	42	7.1	a 9.5	8.7	7.1	8.7	13	4.8	6.4
29	5.6	7.1	5.6	7.9		8.7	8.7	8.7	8.7	14	4.8	7.1
30	5.6	7.9	4.8	7.9		7.9	7.9	8.7	8.7	13	4.4	7.9
31	5.6		6.4	7.9		7.9		7.9		12	4.4	
	272.0	1523.4	770.9	271.5	254.1	335.3	301.0	281.3	252.6	367.4	253.8	198.8
MEAN	8.77	50.8	24.9	8.76	9.08	10.8	10.0	9.07	8.42	11.9	8.19	6.63
ACRE-FEET	540	3,020	1,530	539	504	665	597	558	501	729	503	394

Remarks:

YEAR OR PERIOD MEAN 13.9
ACRE-FEET 10,080





STATION F41C-R
COYOTE CREEK at Del Amo Street

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

DRAINAGE AREA: 110 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 14, 1930 AT STATION F41-R. MOVED TO STATION F41B-R ON OCTOBER 30, 1936. REMOVED ON FEBRUARY 17, 1937. INSTALLED FEBRUARY 18, 1937 AT STATION F41C-R OVER AN 18 INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F41-R - STREAM MEASUREMENTS TAKEN FROM DECEMBER 1, 1928 TO JANUARY 14, 1930. RECORDER RECORDS FROM JANUARY 14, 1930 TO OCTOBER 30, 1936.
AT STATION F41B-R - OCTOBER 30, 1936 TO FEBRUARY 17, 1937.
AT STATION F41C-R - FEBRUARY 18, 1937 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 920 SECOND-FEET, DECEMBER 23.
MINIMUM 0.2 SECOND-FEET, SEPTEMBER 28.
1946-1947
MAXIMUM 145. SECOND-FEET, NOVEMBER 14.
MINIMUM 0.1 SECOND-FEET, JUNE 12.
1929-1947 (STATIONS F41-R, F41B-R, AND F41C-R)
MAXIMUM 4,190 SECOND-FEET (AT STATION F41B-R) FEBRUARY 6, 1937.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
376	10/4	347P / 400P	BONADIMAN	8.0	4.30	0.86	3.47	3.7		.6	5	0	FC19
377	10/10	827A / 934A	"	7.0	1.80	0.56	3.06	1.0		.6	4	0	"
378	10/18	332P / 340P	"	7.0	3.30	0.73	3.28	2.4		.6	4	0	"
379	11/1	300P / 310P	"	8.0	3.55	0.70	3.37	2.5		.6	4	0	"
380	11/8	250P / 300P	"	11.0	5.45	0.75	3.37	4.1		.6	4	0	"
381	11/15	232P / 240P	"	10.0	5.85	0.77	3.46	4.5		.6	4	0	"
382	11/29	332P / 342P	"	8.0	3.37	0.68	3.30	2.3		.6	4	0	"
383	12/6	334P / 342P	"	8.0	4.20	0.81	3.32	3.4		.6	4	0	"
384	12/20	304P / 314P	"	7.0	2.20	0.70	3.05	1.5		.6	4	0	"
385	12/22	316A / 321A	BONADIMAN KASIMOFF	45.0	89.0	0.31	4.25	27.5		.6	4	0	"
386	12/22	335P / 350P	BONADIMAN KASIMOFF	70.0	254.	2.07	6.68	526.		.6	7	.04	"
387	12/23	NOON / 1215P	BONADIMAN KASIMOFF	57.0	217.	2.29	6.88	497.		.6	7	-.15	"
388	12/24	1150A / NOON	BONADIMAN	32.0	27.4	1.78	3.86	48.9		.6	4	0	"
389	12/27	1100A / 1120A	"	22.0	13.8	0.67	3.25	9.3		.6	5	0	"
390	1/3	212P / 222P	"	17.0	7.85	0.62	2.96	4.9		.6	5	0	"
391	1/10	222P / 232P	"	17.0	6.35	0.54	2.90	3.4		.6	5	0	"
392	1/17	130P / 142P	"	11.0	7.30	0.55	2.89	4.0		.6	3	0	"
393	1/24	230P / 240P	"	14.0	5.40	0.61	2.87	3.3		.6	4	0	"
394	1/31	302P / 310P	"	11.0	3.85	0.57	2.79	2.2		.6	4	0	"
395	2/4	1020A / 1029A	"	21.0	13.9	1.08	3.32	15.0		.6	6	0	"
396	2/7	252P / 302P	"	16.0	7.20	0.69	2.88	5.0		.6	5	0	"
397	2/21	251P / 300P	"	16.0	5.20	0.58	2.81	3.0		.6	4	0	"
398	3/7	220P / 226P	BONADIMAN	6.0	2.50	0.30	2.71	0.75		.6	3	0	FC19
399	3/14	202P / 210P	"	12.0	4.20	0.36	2.67	1.5		.6	4	0	"
400	3/21	408P / 423P	KASIMOFF BONADIMAN	19.0	16.3	0.88	3.42	14.3		.6	7	0	"
401	3/29	902A / 918A	BONADIMAN	21.0	13.0	0.55	3.14	7.2		.6	6	0	"
402	3/30	201P / 211P	KASIMOFF BONADIMAN	40.0	88.1	1.73	5.41	153.		.6	5	0	"
403	3/31	410P / 430P	KASIMOFF BONADIMAN	26.0	35.7	1.52	4.28	54.3		.6	8	0	"
404	4/4	247P / 257P	BONADIMAN	20.0	9.60	0.79	3.17	7.6		.6	5	0	"
405	4/11	210P / 222P	"	15.0	5.80	0.72	2.97	4.2		.6	6	0	"
406	4/18	1031A / 1042A	"	16.0	6.50	0.74	2.98	4.8		.6	5	0	"
407	4/25	1022A / 1032A	"	14.0	5.45	0.46	2.84	2.5		.6	5	0	"
408	5/2	322P / 332P	"	17.0	7.05	0.37	3.04	2.6		.6	5	0	"
409	5/9	302P / 310P	"	14.0	7.20	0.36	3.15	2.6		.6	4	0	"
410	5/16	222P / 232P	"	20.0	8.50	0.29	3.05	2.5		.6	5	0	"
411	5/23	317P / 325P	"	14.0	6.50	0.65	3.03	4.2		.6	4	0	"
412	6/6	332P / 340P	"	8.0	2.25	0.71	2.93	1.6		.6	4	0	"
413	6/21	342P / 350P	"	15.0	5.95	0.28	3.10	1.7		.6	4	0	"
414	7/11	252P / 302P	"	TWO CHANNELS			3.30	3.2		.6	7	0	"
415	8/16	321P / 331P	"	16.0	6.30	0.54	3.16	3.4		.6	4	0	"
416	8/23	320P / 328P	"	5.0	1.08	0.44	2.76	0.48		.6	4	0	"
417	9/13	155P / 200P	WADDICOR	2.0	1.75	1.08	2.67	1.9		.6	2	0	FC37
418	9/19	150P / 155P	"	2.0	1.14	0.61	2.40	0.66		.6	2	0	"

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
419	10-3	312P / 320P	BONADIMAN	13.0	6.00	0.57	3.06	3.4		.6	5	0	FC19
420	10-10	252P / 300P	"	12.0	5.00	0.60	2.98	3.0		.6	5	0	"
421	10-17	307P / 315P	"	7.0	2.65	0.53	2.74	1.4		.6	4	0	"
422	10-24	242P / 252P	"	18.0	7.71	0.40	2.86	3.1		.6	6	0	"
423	10-31	132P / 152P	"	TWO CHANNELS			2.87	3.9		.6	10	0	"
424	11-7	222P / 236P	"	"	"		2.78	1.9		.6	10	0	"
425	11-13	156P / 206P	BONADIMAN - LANG	"	"		4.85	54.9		.6	7	+.10	"
426	11-14	1115A / 1130A	" "	58.0	77.4	0.59	3.99	45.4		.6	6	0	"
427	11-15	1142A / 1152A	BONADIMAN	58.0	55.8	0.47	3.70	26.3		.6	6	0	"
428	11-21	332P / 344P	"	58.0	55.8	0.54	3.53	30.3		.6	7	0	"
429	11-23	645P / 700P	BONADIMAN - LANG	60.0	124.	1.95	4.96	136.		.6	6	0	"
430	12-12	337P / 350P	BONADIMAN	THREE CHANNELS			2.57	2.1		.6	7	0	"
431	12-26	1026A / 1036A	"	62.0	117.	0.95	4.58	111.		.6	7	0	"
432	12-27	1115A / 1125A	BONADIMAN - LANG	TWO CHANNELS			3.58	34.3		.6	7	0	"
433	1-2	1147A / 1157A	BONADIMAN	11.0	6.51	0.88	2.52	5.7		.6	5	0	"
434	1-9	1116A / 1124A	"	9.0	5.23	0.74	2.52	3.9		.6	5	0	"
435	1-16	1052A / 1100A	"	9.0	5.44	0.59	2.50	3.2		.6	5	0	"
436	1-23	1102A / 1112A	"	10.0	4.97	0.78	2.50	3.9		.6	5	0	"
437	1-30	1002A / 1012A	"	11.0	8.25	0.73	2.55	6.0		.6	5	0	"
438	2-6	1102A / 1112A	"	9.0	5.62	0.76	2.48	4.3		.6	5	0	"
439	2-13	1042A / 1046A	"	9.0	5.33	0.66	2.52	3.5		.6	4	0	"
440	2-27	1032A / 1040A	"	9.0	5.22	0.56	2.51	2.9		.6	4	0	"
441	3-13	1032A / 1042A	"	9.0	5.50	0.69	2.54	3.8		.6	4	0	"
442	3-20	1102A / 1110A	"	9.0	3.95	0.53	2.40	2.1		.6	4	0	"
443	4-3	1032A / 1038A	"	8.0	4.60	0.59	2.47	2.7		.6	4	0	"
444	4-10	1047A / 1052A	"	4.0	0.89	0.72	2.24	0.64		.6	3	0	"
445	4-17	1031A / 1037A	"	5.0	2.03	0.69	2.31	1.4		.6	4	0	"
446	4-23	1032A / 1036A	"	5.0	1.88	0.50	2.28	0.95		.6	3	0	"
447	5-1	1021A / 1028A	"	6.0	2.25	0.58	2.37	1.3		.6	4	0	"
448	5-8	1024A / 1030A	"	6.0	2.30	0.74	2.30	1.7		.6	4	0	"
449	5-15	1017A / 1022A	"	5.0	2.23	0.63	2.29	1.4		.6	3	0	"
450	5-22	1110A / 1116A	"	5.0	1.88	0.75	2.17	1.4		.6	4	0	"
451	5-29	932A / 938A	"	7.0	2.41	0.71	2.25	1.7		.6	4	0	"
452	6-5	1012A / 1020A	"	6.0	2.79	0.72	2.24	2.0		.6	5	0	"
453	6-12	952A / 956A	"	3.0	0.60	0.23	1.90	0.14		.6	2	0	"
454	6-19	1002A / 1010A	"	5.0	1.69	0.65	2.05	1.1		.6	4	0	"
455	6-26	1002A / 1010A	"	5.0	1.94	0.88	2.11	1.7		.6	4	0	"
456	7-3	1002A / 1010A	"	4.0	1.56	0.46	1.95	0.72		.6	4	0	"
457	7-24	1011A / 1016A	"	4.0	1.00	0.31	2.00	0.31		.6	4	0	"
458	8-14	1016A / 1020A	"	6.0	2.00	0.9	2.21	0.58		.6	4	0	"
459	8-21	1022A / 1028A	"	7.0	1.75	0.43	2.12	0.75		.6	4	0	"
460	8-28	1012A / 1018A	"	7.0	2.25	0.41	2.34	0.93		.6	4	0	"
461	9-3	220P / 230P	WADDICOR	4.3	2.10	0.76	2.27	1.6		.6	4	0	FC37
462	9-10	220P / 230P	"	4.5	1.58	0.76	2.27	1.2		.6	5	0	"
463	9-17	205P / 215P	"	3.5	0.96	0.74	2.06	0.71		.6	4	0	"
464	9-24	302P / 312P	"	4.0	1.59	0.69	2.24	1.1		.6	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F41C-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	2.3	3.1	b 6.2	2.1	0.9	2.6	2.1	d 2.4	1.6	2.6	5.2
2	3.0	2.4	3.1	b 5.5	2.0	0.9	2.2	3.4	— 1.6	1.1	2.3	6.1
3	1.9	2.4	2.9	4.9	5.1	0.8	b 15	2.6	— 1.8	0.3	b 2.4	4.6
4	1.9	2.6	3.4	4.8	12.8	0.8	b 8.4	2.9	— 2.2	0.2	— 2.5	3.2
5	3.2	2.5	3.3	4.8	6.4	0.9	6.2	1.9	d 1.8	0.2	— 2.5	2.8
6	3.4	3.6	3.4	4.6	5.5	0.9	5.7	2.9	— 1.8	0.7	2.6	2.3
7	4.6	3.4	3.8	4.2	5.0	0.8	5.5	3.6	— 0.9	1.9	2.7	1.5
8	3.3	3.5	3.6	3.8	5.0	0.9	b 4.6	2.9	d 0.9	3.2	2.8	1.3
9	2.0	0.5	3.8	3.6	5.0	0.9	4.2	2.1	— 0.8	1.6	2.9	1.7
10	0.9	0.3	3.3	3.4	4.6	1.1	4.8	3.3	— 0.8	2.5	2.9	2.9
11	2.1	1.0	4.0	3.6	4.4	1.2	4.6	3.4	— 0.7	2.5	3.0	2.2
12	2.5	2.1	3.9	3.8	4.5	1.4	4.8	3.4	— 0.7	1.4	3.1	1.7
13	2.6	2.0	4.0	3.8	4.2	1.5	4.8	3.9	d 0.6	0.6	3.2	2.0
14	2.9	2.4	4.2	3.9	3.9	1.6	4.6	1.8	— 0.6	b 0.6	— 3.3	2.9
15	2.6	4.3	3.9	3.9	4.0	1.6	4.5	2.1	— 0.6	1.4	b 3.3	1.9
16	1.1	2.6	4.0	4.0	3.9	1.6	4.6	2.4	— 0.7	0.7	— 3.4	1.9
17	2.0	2.6	4.5	4.0	3.8	1.6	4.5	2.8	— 1.4	b 0.7	— 1.2	1.2
18	2.1	2.6	5.0	3.9	3.4	2.0	4.5	2.9	— 1.1	b 0.9	b 1.2	0.8
19	1.9	2.5	1.4	3.9	3.4	4.4	4.6	2.3	— 0.4	1.9	— 1.3	0.7
20	1.0	3.0	1.3	3.8	3.3	8.8	4.6	3.1	d 1.0	1.2	— 1.4	1.0
21	3.1	2.4	4.7	3.6	3.1	12.8	4.4	b 2.5	— 1.7	b 1.2	b 1.5	1.2
22	2.9	0.7	2.24	3.4	a 2.8	6.4	4.2	b 1.6	— 1.2	1.4	— 1.6	0.9
23	2.4	0.8	2.78	3.4	— 2.4	4.5	2.2	2.9	— 1.8	1.2	b 0.5	2.2
24	2.1	1.3	5.4	3.3	— 2.1	b 4.6	1.4	3.6	d 1.7	b 1.4	b 0.5	1.3
25	2.5	0.9	1.7	3.3	— 1.8	— 4.8	3.1	4.5	— 1.6	1.3	5.5	0.9
26	0.9	1.6	b 1.2	3.2	— 1.5	4.9	2.4	4.0	— 1.5	d 1.3	5.0	0.9
27	0.7	2.4	9.3	3.1	a 1.2	b 5.1	1.8	4.4	— 1.4	d 1.2	3.2	0.6
28	1.7	2.5	b 8.7	3.0	0.9	5.2	1.5	d 2.9	d 1.3	1.2	2.1	0.2
29	2.1	3.0	— 8.0	2.9		6.1	2.6	— 1.5	1.2	3.0	b 1.4	1.1
30	2.1	2.9	— 7.4	2.6		7.82	2.4	3.0	0.8	4.0	b 1.2	1.9
31	2.3		b 6.8	2.2		7.54		d 1.9		1.6	b 1.6	
	71.6	67.1	699.8	118.4	108.1	242.6	174.5	88.6	37.0	44.0	74.7	59.1
MEAN	2.31	2.23	22.6	3.81	3.86	7.82	5.82	2.86	1.23	1.42	2.41	1.97
ACRE-FEET	142.	133.	1,390.	235.	214.	481.	346.	176.	73.4	87.3	148.	117.

Remarks:

YEAR OR PERIOD MEAN 4.89
ACRE-FEET 3,540.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

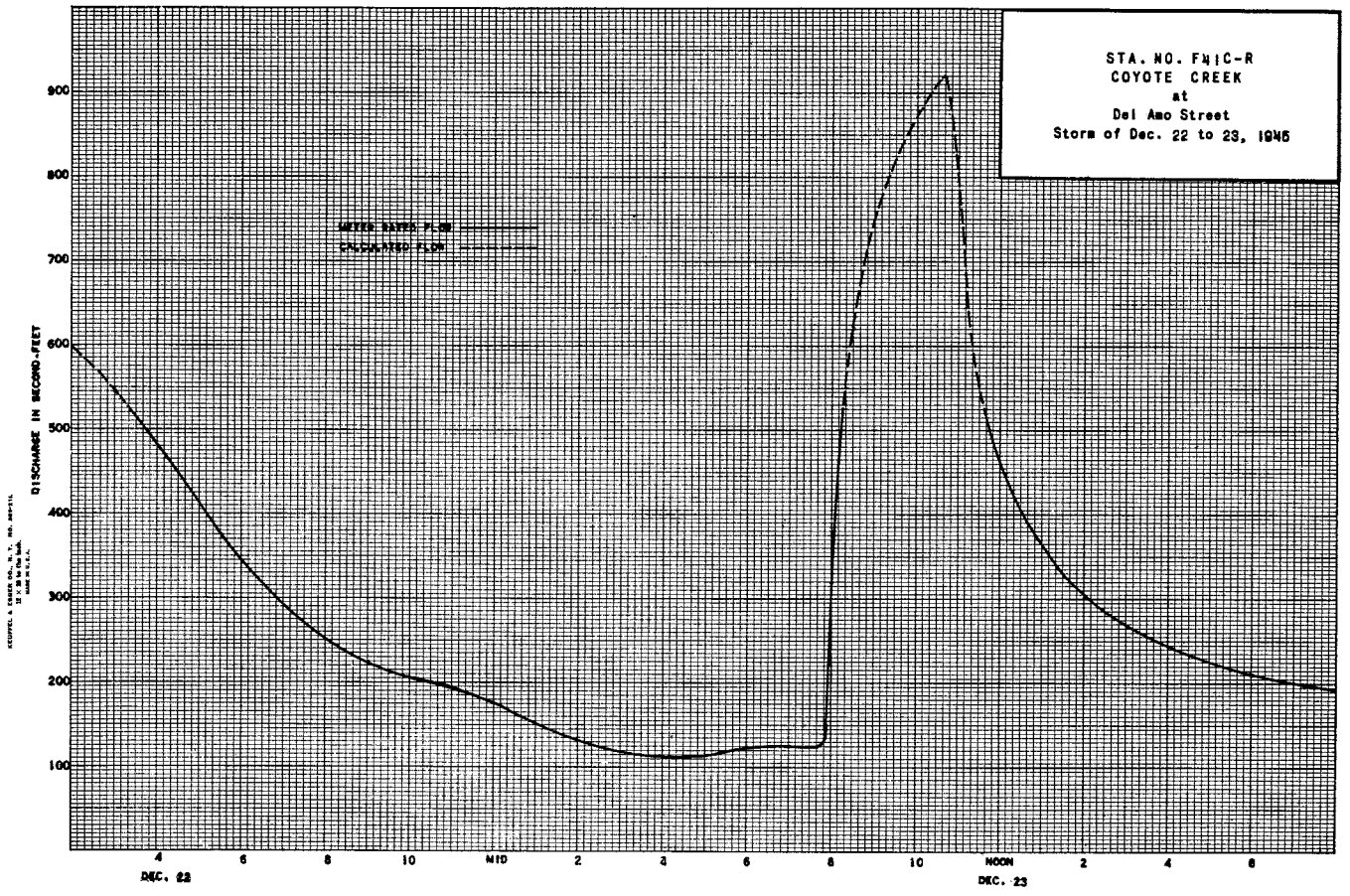
Sta. No. F 41C-R

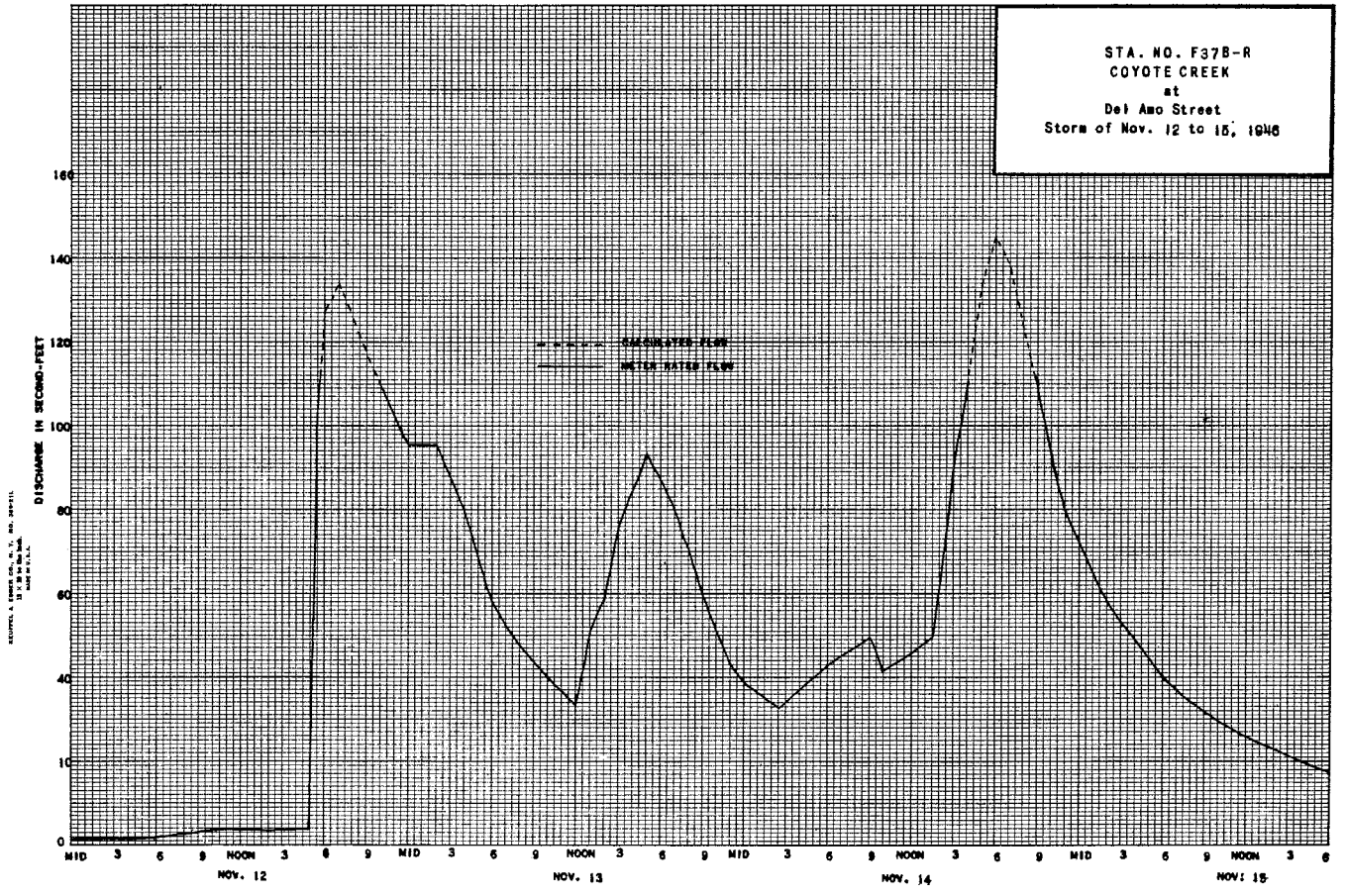
Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	3.2	3.1	9.3	5.1	3.3	2.8	1.4	1.0	1.3	0.3	0.8
2	2.5	3.1	3.2	6.5	5.1	3.1	2.8	1.4	2.0	0.8	0.2	1.4
3	2.6	2.7	3.1	5.9	4.9	2.9	2.8	1.4	2.1	0.8	0.8	1.6
4	2.8	2.3	3.1	5.6	4.9	2.8	2.6	1.6	2.2	0.7	1.0	1.0
5	3.0	0.9	3.0	5.4	4.6	2.3	2.4	1.7	2.0	0.7	0.8	0.7
6	3.1	1.1	3.0	5.1	a 4.6	3.7	1.5	2.0	1.4	0.7	0.7	0.6
7	3.1	d 1.4	2.8	4.9	a 4.4	3.1	1.7	1.6	1.3	0.7	0.6	0.6
8	3.2	d 1.2	2.6	4.6	a 4.2	3.1	1.2	1.4	1.2	0.9	0.5	0.9
9	3.1	2.7	2.5	4.2	a 4.0	2.9	0.7	1.2	1.0	0.7	0.4	0.9
10	2.9	1.6	2.4	4.0	a 3.8	2.8	0.6	1.0	0.7	0.6	0.5	1.1
11	2.9	1.7	2.3	4.0	a 3.6	3.1	0.6	1.8	0.4	0.5	0.7	0.6
12	b 2.0	35	2.1	4.0	a 3.5	3.2	0.7	1.9	0.1	0.4	0.7	0.6
13	b 1.8	65	2.0	3.8	3.3	3.1	1.0	1.2	0.2	0.8	0.7	0.6
14	b 1.6	70	2.0	3.9	3.1	2.8	0.6	1.3	0.2	0.9	0.6	0.7
15	b 1.5	31	1.9	3.8	3.3	2.2	1.3	1.4	0.7	0.7	0.5	0.7
16	b 1.5	6.8	1.8	3.4	3.2	2.0	1.6	1.0	0.9	0.6	0.6	1.0
17	b 1.4	2.8	1.8	3.3	3.1	3.1	1.8	0.9	0.8	0.5	0.6	0.7
18	3.0	2.5	1.8	3.4	3.2	2.2	2.1	1.3	0.8	0.4	0.7	1.2
19	2.6	2.7	1.8	3.6	3.2	2.3	1.8	1.3	1.0	0.7	1.1	1.8
20	2.3	15	1.9	3.6	3.1	2.6	1.1	1.2	1.4	0.6	1.1	1.4
21	3.0	33	2.0	4.3	3.0	3.0	1.2	1.3	1.3	0.5	0.8	1.1
22	3.4	10	2.0	4.3	3.0	3.1	1.3	1.4	1.2	0.5	0.6	1.8
23	b 2.8	38	1.9	4.0	2.8	2.8	0.9	1.2	1.6	0.4	1.1	1.5
24	3.1	49	2.0	4.3	2.8	2.8	1.0	1.9	1.4	0.3	1.2	1.0
25	b 1.2	9.9	3.6	4.2	2.4	1.6	0.7	2.0	1.4	0.4	0.9	0.9
26	1.7	3.4	96	4.4	2.4	1.9	1.0	1.9	1.7	0.3	1.4	0.8
27	1.7	3.0	36	4.4	2.8	3.3	1.0	2.0	1.6	0.2	1.4	0.9
28	2.8	3.0	12	5.6	3.3	3.2	1.9	2.0	1.6	0.2	0.9	1.2
29	2.8	3.0	5.6	6.5		3.2	1.7	1.6	1.4	0.5	0.6	1.7
30	3.1	3.1	4.7	5.9		3.6	1.6	1.0	1.3	0.3	0.6	1.6
31	3.3		5.9	5.4		3.1		0.9		0.2	0.7	
	78.4	408.1	219.9	145.6	100.7	88.2	44.0	45.2	35.9	17.8	23.3	31.4
MEAN	2.52	13.6	7.09	4.70	3.60	2.85	1.47	1.46	1.20	0.57	0.75	1.05
ACRE-FEET	156	809	436	289	200	175	87	90	71	35.0	46	62

Remarks:

YEAR OR PERIOD MEAN 3.39
ACRE-FEET 2,460


STA. NO. FN1C-R
COYOTE CREEK
at
Del Amo Street
Storm of Dec. 22 to 23, 1945
METER RATED FLOW
EXTRAPOLATED FLOW
DISCHARGE IN SECOND-FEET
900
800
700
600
500
400
300
200
100
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
DEC. 22
DEC. 23


STA. NO. F37B-R
COYOTE CREEK
at
Del Amo Street
Storm of Nov. 12 to 15, 1946
EXTRAPOLATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
160
140
120
100
80
60
40
20
0
MID
3
6
9
NOON
3
6
9
NOV. 12
NOV. 13
NOV. 14
NOV. 15

STATION F266-R
DOMINGUEZ CHANNEL at Carson Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°49'56", LONG. 118°15'12", ON THE LEFT (EAST) BANK ON THE UPSTREAM SIDE OF THE CARSON BOULEVARD BRIDGE ABOUT ONE-HALF MILE EAST OF AVALON BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT, ABOUT 0.00 FEET.

DRAINAGE AREA: 56 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 23, 1938 OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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

DIVERSION: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1947. FOR PREVIOUS RECORDS, SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 231 SECOND-FEET, DECEMBER 23.
MINIMUM 5.5 SECOND-FEET, MAY 5.

1946-1947
MAXIMUM 325 SECOND-FEET, DECEMBER 26.
MINIMUM 5.6 SECOND-FEET, JULY 14.

1938-1946
MAXIMUM 1,020 SECOND-FEET, FEBRUARY 23, 1944.
MINIMUM NO MEASURABLE FLOW, WATER PONDED AT GAGE.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT ~~NEAR~~ Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~ 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
214	10/4	1226P / 1234P	BONADIMAN	19.0	15.0	0.49	6.06	7.4		.6	6	0	FC19
215	10/10	1153A / 1204P	"	20.0	14.8	0.59	6.08	8.7		.6	6	0	"
216	10/18	1202P / 1212P	"	20.0	15.4	0.61	6.05	9.4		.6	6	0	"
217	10/25	1105P / 1115P	"	18.0	13.9	0.54	6.06	7.5		.6	6	0	"
218	11/1	1115A / 1125A	"	20.0	15.6	0.67	6.10	10.5		.6	6	0	"
219	11/8	1102A / 1112A	"	21.0	14.7	0.71	6.09	10.4		.6	6	0	"
220	11/15	1052A / 1102A	"	20.0	15.7	0.67	6.11	10.5		.6	6	0	"
221	11/21	1102A / 1112A	"	20.0	16.1	0.71	6.10	11.4		.6	6	0	"
222	11/29	1221P / 1231P	"	10.0	15.6	0.62	6.14	9.7		.6	5	0	"
223	12/6	1138A / 1150A	"	20.0	16.2	0.64	6.13	10.3		.6	6	0	"
224	12/13	1202P / 1220P	"	21.0	16.6	0.75	6.16	12.5		.6	6	0	"
225	12/20	1104A / 1120A	"	21.0	16.4	0.52	6.09	8.6		.6	6	0	"
226	12/22	203P / 214P	BONADIMAN KASIMOFF	TWO CHANNELS			6.70	59.5		.6	7	0	"
227	12/23	400P / 415P	BONADIMAN KASIMOFF	TWO CHANNELS			8.03	223.		.6	8	0	"
228	12/27	318P / 330P	BONADIMAN	TWO CHANNELS			6.48	30.5		.6	8	0	"
229	1/3	1014A / 1025A	"	18.0	13.6	0.55	6.08	7.6		.6	6	0	"
230	1/17	1012A / 1022A	"	18.0	14.1	0.57	6.08	8.1		.6	5	0	"
231	1/31	1102A / 1112A	"	19.0	14.0	0.57	6.05	8.0		.6	5	0	"
232	2/7	1042A / 1053A	"	21.0	16.2	0.73	6.14	11.8		.6	6	0	"
233	2/14	1007A / 1018A	"	19.0	14.8	0.60	6.04	8.9		.6	5	0	"
234	2/28	1022A / 1032A	"	18.0	14.4	0.65	6.11	9.3		.6	5	0	"
235	3/7	1052A / 1100A	"	19.0	15.4	0.60	6.08	9.2		.6	5	0	"
236	3/20	433P / 447P	KASIMOFF BONADIMAN	TWO CHANNELS			6.58	40.7		.6	8	0	FC19
237	3/21	1136A / 1200N	KASIMOFF BONADIMAN	TWO CHANNELS			6.56	43.5		.6	10	0	"
238	3/28	211P / 230P	BONADIMAN	TWO CHANNELS			6.27	31.4		.6	10	0	"
239	3/30	641P / 700P	KASIMOFF BONADIMAN	TWO CHANNELS			6.70	43.7		.6	8	0	"
240	3/31	1101A / 1125A	KASIMOFF BONADIMAN	31.3	57.5	1.78	7.28	102.		.6	12	0	"
241	4/4	1052A / 1102A	BONADIMAN	24.0	23.7	1.29	6.37	30.6		.6	6	0	"
242	4/11	1042A / 1052A	"	18.0	11.7	0.62	6.08	7.3		.6	6	0	"
243	4/18	207P / 217P	"	19.0	14.1	0.60	6.09	8.5		.6	5	0	"
244	4/25	152P / 202P	"	19.0	14.1	0.61	6.09	8.6		.6	5	0	"
245	5/2	1147A / 1158A	"	19.0	13.6	0.55	6.04	7.5		.6	5	0	"
246	5/9	1042A / 1054A	"	19.0	12.8	0.44	6.04	5.6		.6	5	0	"
247	5/16	1042A / 1052A	"	19.0	14.1	0.55	6.09	7.7		.6	5	0	"
248	5/23	1032A / 1042A	"	18.0	14.5	0.53	6.07	7.7		.6	6	0	"
249	5/29	1034A / 1046A	"	25.0	7.15	1.20	6.09	8.6		.6	8	0	"
250	6/6	1104A / 1116A	"	23.0	7.80	1.10	6.09	8.6		.6	9	0	"
251	6/13	1102A / 1112A	"	24.0	9.45	1.17	6.07	11.1		.6	7	0	"
252	6/21	1034A / 1045A	"	24.0	7.66	1.12	6.07	8.4		.6	7	0	"
253	6/27	1048A / 1102A	"	26.0	8.60	1.15	6.09	10.0		.6	8	0	"
254	7/11	1102A / 1114A	"	27.0	9.91	1.13	6.12	11.2		.6	8	0	"
255	7/18	1052A / 1102A	"	27.0	9.30	0.95	6.13	8.8		.6	7	0	"
256	7/25	1051A / 1101A	"	27.0	12.0	1.07	6.13	12.8		.6	6	0	"
257	8/2	1022A / 1032A	"	26.0	10.8	1.23	6.12	13.3		.6	6	0	"
258	8/9	1127A / 1137A	BONADIMAN	29.0	10.8	1.09	6.14	11.8		.6	7	0	FC19
259	8/16	1132A / 1142A	"	27.0	12.4	1.23	6.15	15.2		.6	7	0	"
260	8/23	1052A / 1104A	"	27.0	11.7	1.17	6.13	13.7		.6	8	0	"
261	8/29	1115A / 1125A	"	27.0	11.5	0.91	6.13	10.5		.6	9	0	"
262	9/13	1040A / 1050A	WADDICOR	28.0	12.2	0.94	6.12	11.5		.6	10	0	"

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT ~~NEAR~~ Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
263	10-3	1144A / 1156A	BONADIMAN	26.0	10.5	0.84	6.06	8.8		.6	7	0	FC19
264	10-10	1102A / 1112A	"	27.0	9.12	1.05	6.08	9.6		.6	8	0	"
265	10-17	1122A / 1134A	"	24.0	8.50	0.85	6.06	7.2		.6	7	0	"
266	10-24	1032A / 1042A	"	27.0	9.60	1.20	6.07	11.5		.6	8	0	"
267	10-31	1012A / 1026A	"	27.0	11.9	0.99	6.09	11.7		.6	8	0	"
268	11-7	1050A / 1100A	"	25.0	9.2	0.80	6.08	7.4		.6	8	0	"
269	11-13	418P / 439P	BONADIMAN - LANG	TWO CHANNELS			8.88	189.		.6	11	+.02	"
270	11-14	400P / 420P	" "	"	"		9.39	177.		.6	11	0	"
271	11-16	1100A / 1114A	BONADIMAN	"	"		7.11	76.5		.6	11	-.02	"
272	11-21	1151A / 1206P	"	"	"		6.40	22.2		.6	9	0	"
273	11-24	212P / 228P	"	"	"		8.43	187.		.6	10	-.02	"
274	11-27	1112A / 1126A	"	"	"		6.50	35.4		.6	10	0	"
275	12-6	1221P / 1233P	"	"	"		6.26	12.1		.6	8	0	"
276	12-12	1230P / 1240P	"	26.0	11.4	1.04	6.08	11.8		.6	9	0	"
277	12-26	136P / 155P	"	TWO CHANNELS			9.31	326.		.6	10	+.02	"
278	12-27	323P / 336P	BONADIMAN - LANG	"	"		9.34	143.		.6	11	0	"
279	12-28	1016A / 1030A	BONADIMAN	"	"		8.22	114.		.6	11	-.02	"
280	1-2	251P / 304P	"	"	"		6.25	17.2		.6	9	0	"
281	1-9	247P / 258P	"	"	"		6.15	13.4		SURF	8	0	"
282	1-16	227P / 240P	"	"	"		6.14	7.9		.6	9	0	"
283	1-30	252P / 302P	"	25.0	11.6	0.73	6.12	8.5		.6	8	0	"
284	2-6	212P / 222P	"	27.0	15.5	0.98	6.14	15.2		.6	7	0	"
285	2-13	232P / 242P	"	36.0	16.3	0.86	6.18	14.0		.6	8	0	"
286	2-20	202P / 212P	"	28.0	13.8	0.89	6.12	12.3		.6	7	0	"
287	2-27	252P / 302P	"	29.0	15.0	0.97	6.10	14.6		.6	7	0	"
288	3-6	200P / 210P	"	28.0	13.2	1.04	6.07	13.7		.6	7	0	"
289	3-13	221P / 231P	"	28.0	11.3	1.21	6.05	13.7		.6	8	0	"
290	3-27	247P / 257P	"	28.0	12.8	0.93	5.94	11.9		.6	8	0	"
291	4-3	247P / 257P	"	26.0	10.6	1.02	5.96	10.8		.6	7	0	"
292	4-10	152P / 202P	"	30.0	13.4	0.86	5.98	11.5		.6	8	0	"
293	4-17	202P / 212P	"	28.0	13.3	0.79	5.99	10.5		.6	7	0	"
294	4-23	232P / 244P	"	29.0	13.0	0.89	5.94	11.5		.6	9	0	"
295	5-1	207P / 220P	"	27.0	12.8	1.05	6.12	13.4		.6	9	0	"
296	5-8	202P / 216P	"	27.0	13.1	0.90	6.10	11.8		.6	9	0	"
297	5-15	302P / 312P	"	26.0	10.8	0.90	6.06	9.7		.6	8	0	"
298	5-22	221P / 232P	"	26.0	12.7	0.84	6.07	10.6		.6	8	0	"
299	5-29	218P / 228P	"	26.0	10.1	1.00	6.02	10.1		.6	8	0	"
300	6-5	202P / 212P	"	26.0	12.1	0.84	6.02	10.1		.6	8	0	"
301	6-12	127P / 138P	"	27.0	11.8	0.92	6.02	10.8		.6	9	0	"
302	6-19	136P / 147P	"	26.0	12.0	0.63	5.97	7.6		.6	9	0	"
303	6-26	322P / 334P	"	27.0	12.0	0.87	5.97	10.4		.6	7	0	"
304	7-3	142P / 154P	"	27.0	10.9	0.65	5.95	7.1		.6	8	0	"
305	7-10	240P / 250P	"	27.0	12.6	0.75	5.94	9.4		.6	8	0	"
306	7-17	1008A / 1018A	"	28.0	13.2	0.71	6.02	9.4		.6	7	0	"
307	7-24	200P / 210P	"	27.0	11.7	0.60	6.00	7.0		.6	6	0	"
308	7-31	212P / 222P	"	27.0	9.8	0.57	6.00	5.6		.6	7	0	"
309	8-7	222P / 230P	"	27.0	12.5	0.58	6.03	7.3		.6	6	0	"
310	8-14	232P / 244P	"	27.0	13.2	0.72	6.02	9.5		.6	8	0	"
311	8-21	222P / 232P	"	29.0	8.44	0.91	6.04	7.7		.6	8	0	"
312	8-28	223P / 236P	"	27.0	8.13	0.97	6.04	7.9		.6	9	0	"
313	9-3	1005A / 1015A	WADDICOR	26.5	11.3	0.83	6.00	9.4		.6	7	0	FC37
314	9-10	1035A / 1045A	"	27.0	10.8	0.65	5.99	7.0		.6	7	0	"
315	9-17	1010A / 1020A	"	26.0	10.3	0.75	6.03	7.7		.6	8	0	"
316	9-24	1015A / 1025A	"	26.0	9.54	0.77	6.01	7.3		.6	8	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F265R

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.6	11	9.3	12	7.6	8.0	5.8	8.0	8.3	10	14	9.7
2	7.3	10	8.6	9.7	8.6	8.3	4.4	8.6	7.6	11	14	10
3	7.3	10	9.3	7.6	11	7.6	3.7	7.6	8.0	11	14	10
4	7.6	9.0	10	7.6	10	7.3	2.9	7.3	9.0	10	12	12
5	8.0	9.3	10	8.3	12	8.6	2.3	6.0	9.0	10	14	11
6	8.3	10	10	6.6	14	9.0	1.7	6.6	9.0	10	13	10
7	7.6	10	9.7	7.3	12	9.3	1.4	6.3	9.0	10	12	10
8	7.6	10	9.7	7.3	10	9.7	1.2	6.0	9.0	10	12	10
9	8.6	10	9.3	7.6	9.7	9.3	9.3	6.3	8.3	11	12	10
10	8.6	10	9.7	7.6	8.3	8.3	9.3	6.6	9.7	10	13	10
11	9.3	9.3	12	7.6	8.6	9.3	7.3	6.6	11	12	12	12
12	10	9.0	12	8.0	8.6	10	7.3	5.7	12	12	14	12
13	10	a 10	12	6.9	9.3	10	8.3	6.3	12	11	15	12
14	10	a 10	12	7.3	9.3	12	6.6	6.9	12	9.0	13	11
15	11	11	12	7.6	9.0	10	7.3	6.9	12	10	14	10
16	10	11	10	8.0	9.3	9.3	8.3	7.6	11	10	14	11
17	a 10	12	9.3	8.0	8.3	8.3	8.0	7.3	10	9.7	14	12
18	9.7	10	12	8.0	8.3	9.0	8.0	7.6	12	9.0	14	11
19	9.3	10	9.7	8.0	9.3	17	8.0	7.3	11	9.7	15	9.7
20	9.7	12	8.6	7.6	9.7	25	8.0	6.9	11	10	14	10
21	9.0	12	15	7.6	9.0	41	7.3	8.0	9.3	9.7	15	9.7
22	8.3	10	51	8.3	8.3	46	8.0	8.0	8.3	10	15	8.6
23	8.3	10	195	8.0	9.0	34	8.3	8.0	7.6	12	14	9.0
24	8.0	10	143	8.3	8.0	25	9.0	8.3	10	12	14	9.3
25	7.3	9.0	59	7.6	8.3	24	8.6	8.0	12	12	12	10
26	7.6	8.3	38	7.6	9.0	21	9.0	6.6	10	12	12	10
27	8.0	8.3	31	6.6	8.6	22	8.3	8.6	11	12	14	9.7
28	7.6	8.0	25	6.9	9.0	30	7.3	9.0	10	12	12	10
29	7.6	a 9.0	21	7.3		23	8.0	9.3	10	13	11	9.3
30	10	9.0	16	8.0		42	8.6	8.6	10	14	10	10
31	10		14	8.0		93		8.0		14	10	
	268.2	297.2	813.2	242.8	262.1	606.3	412.1	228.8	299.1	338.1	408	309.0
MEAN	8.65	9.90	26.2	7.83	9.36	19.6	13.7	7.38	9.97	10.9	13.2	10.3
ACRE-FEET	532.	589.	1,610.	482.	520.	1,200.	817.	454.	593.	671.	809.	613.

Remarks:

YEAR OR PERIOD MEAN 12.3
ACRE-FEET 8,890

F. C. Dist. Form 23 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

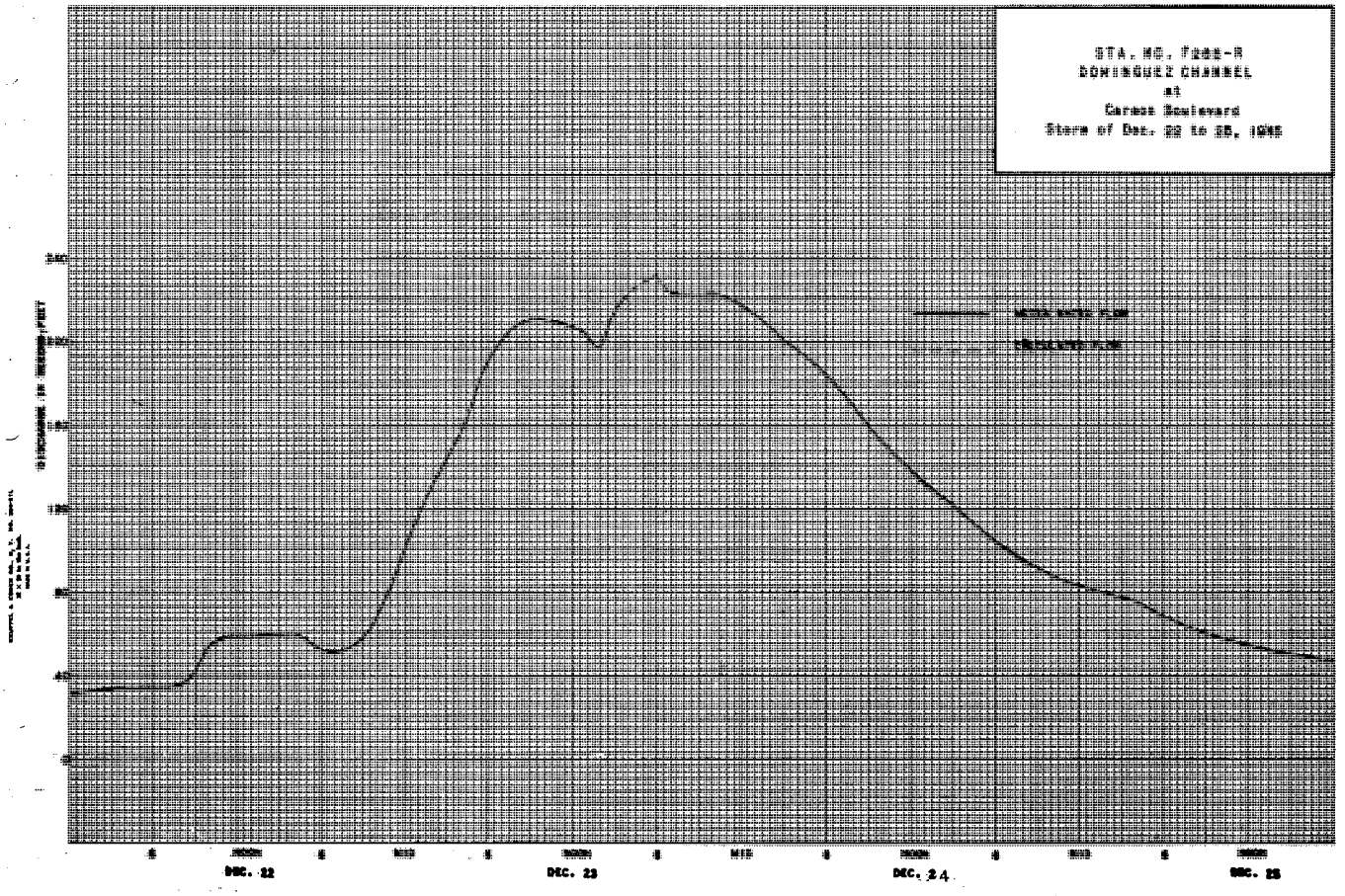
Sta. No. F 265-R

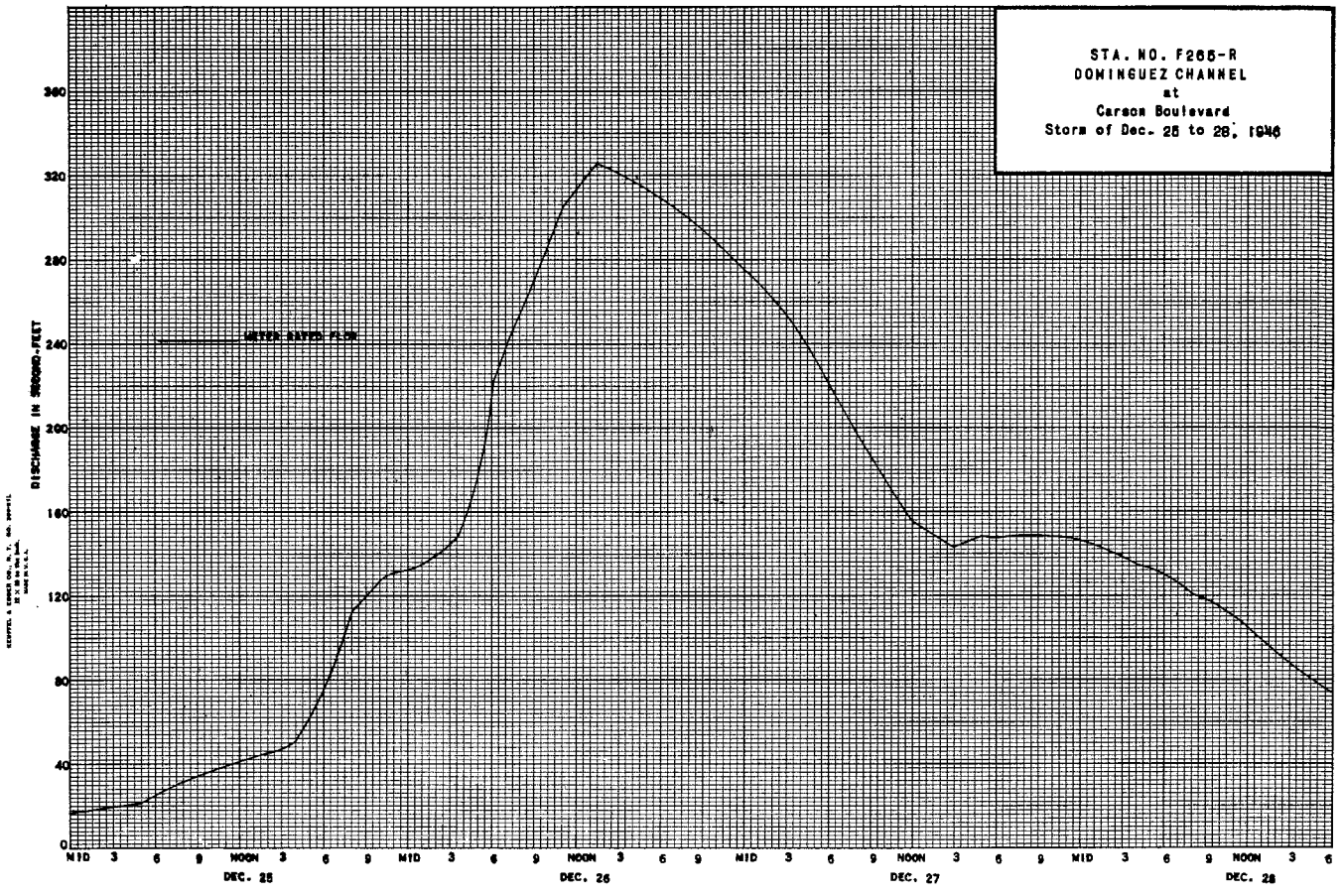
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	12	21	16	10	14	10	13	8.6	7.9	6.6	8.3
2	11	10	18	17	10	12	12	13	10	8.3	5.9	9.0
3	9.3	9.7	17	16	12	14	11	12	11	6.6	5.6	9.7
4	9.3	9.0	16	15	12	14	11	12	9.7	7.2	5.9	10
5	9.0	97.0	a 14	14	14	15	10	12	10	7.2	6.6	9.0
6	8.3	9.0	a 12	15	15	15	10	12	10	7.9	6.9	8.6
7	8.3	7.9	b 12	14	15	19	10	12	9.3	7.9	6.6	8.3
8	9.7	8.3	b 12	14	13	18	11	12	8.6	8.6	6.9	7.9
9	9.7	7.2	b 12	14	12	17	11	12	9.0	9.0	6.6	7.6
10	10	7.2	b 13	13	12	16	11	11	9.3	9.0	6.6	7.2
11	9.0	8.3	b 13	12	14	15	11	9.7	9.7	9.3	7.2	7.6
12	8.6	32	b 13	11	15	15	11	10	10	7.6	8.6	8.3
13	7.9	139	12	9.7	14	14	9.3	10	10	6.6	9.3	6.9
14	8.3	190	11	9.0	12	14	11	10	9.3	6.9	8.6	6.6
15	8.6	143	10	8.3	12	13	11	9.3	7.9	8.6	7.6	6.6
16	8.3	75	11	7.6	11	13	9.3	9.7	8.3	8.6	7.2	7.9
17	7.6	45	12	7.9	12	14	9.3	9.0	9.0	9.7	6.6	7.6
18	8.6	33	12	7.9	12	14	10	8.6	8.6	9.3	6.6	6.9
19	8.6	27	12	6.9	12	14	10	9.0	7.6	7.6	6.6	6.6
20	8.3	24	12	7.2	11	15	9.7	10	7.9	6.6	5.9	6.2
21	9.3	22	12	8.3	12	11	11	11	7.9	6.9	6.6	5.9
22	10	25	11	8.3	12	11	12	11	7.9	6.9	6.9	7.2
23	11	67	12	8.3	12	11	12	11	8.6	7.2	6.2	8.3
24	12	177	14	7.9	13	13	14	9.7	9.7	6.6	5.6	7.6
25	12	105	55	7.6	14	12	12	8.6	9.7	6.6	6.6	6.9
26	12	54	263	7.9	14	12	13	10	10	6.6	7.2	6.2
27	11	36	184	8.6	14	12	12	10	10	5.9	7.6	5.9
28	11	29	102	8.6	14	12	14	11	9.3	5.9	7.6	5.9
29	11	26	34	8.3		11	14	10	8.3	5.9	7.6	6.6
30	12	23	20	8.6		10	14	9.3	8.3	5.9	6.9	6.6
31	12		18	9.3		10		9.0		5.6	7.6	
	302.7	1370.3	990.0	327.2	355.0	420.0	336.6	326.9	273.5	230.4	214.8	223.9
MEAN	9.76	45.7	31.9	10.6	12.7	13.5	11.2	10.5	9.12	7.43	6.93	7.46
ACRE-FEET	600	2,720	1,960	649	704	833	668	648	542	457	426	444

Remarks:

YEAR OR PERIOD MEAN 14.8
ACRE-FEET 10,650





STATION F83-R
DUME CREEK at Roosevelt Highway

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

DRAINAGE AREA: 8.8 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 15, 1930. REMOVED NOVEMBER 26, 1937 DUE TO CONSTRUCTION OF NEW BRIDGE. REINSTALLED NOVEMBER 3, 1938 OVER A 21 INCH DIAMETER GALVANIZED IRON PIPE STILLING WELL. A STEVENS, TYPE A, CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937.
NOVEMBER 3, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 142 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1946-1947
MAXIMUM 490 SECOND-FEET, NOVEMBER 20.
MINIMUM NO FLOW MOST OF YEAR.
1930-1947
MAXIMUM DISCHARGE NOT DETERMINED.
MAXIMUM DISCHARGE OF RECORD, 6,800 SECOND FEET, JANUARY 24, 1941.
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 DUME CREEK

AT ~~NEAR~~ Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
180	12/23	118P / 127P	BOLLINGER-ECKERT	23.0	12.8	1.31	6.24	16.8		.6	10	-.03	FC6
181	3/30	858A / 905A	" "	9.8	6.56	1.86	6.16	12.2		.6	9	-.02	"
182	3/30	913A / 919A	" "	10.0	6.84	1.77	6.15	12.1		.6	8	+.02	"
183	3/30	1100A / 1106A	" "	9.0	6.70	1.70	6.13	11.4		.6	9	-.01	"
184	3/30	1110A / 1117A	" "	9.0	6.52	1.60	6.13	10.4		.6	10	0	"
185	3/31	112A / 117A	" "	5.0	1.46	0.29	5.80	0.43		.6	5	-.01	"

DISCHARGE MEASUREMENTS OF DUME CREEK

AT ~~NEAR~~ Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
186	11-14	354P / 359P	BOLLINGER - PAULL	2.5	0.35	0.66	5.63	0.23	FLOATS		3	0	
187	11-20	128P / 137P	" "	28.0	17.1	2.91	6.41	49.8		.6	13	-.02	FC6
188	11-20	215P / 223P	" "	28.0	15.2	2.68	6.36	40.7		.6	13	-.02	"
189	11-23	337P / 347P	BOLLINGER	27.0	12.2	2.90	6.35	35.5		.6	11	-.02	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F63-R

Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway, for the year ending September 30, 19 46

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	0.1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	23	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	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
29	0	0	0	0		0.1	0	0	0	0	0	0
30	0	0	0	0		8.2	0	0	0	0	0	0
31	0		0	0		3.0		0		0	0	
	0	0	23	0	0	11.3	0.1	0	0	0	0	0
MEAN	0	0	0.74	0	0	0.36	+	0	0	0	0	0
ACRE-FEET	0	0	46.	0	0	22.	0.2	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 68.2

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

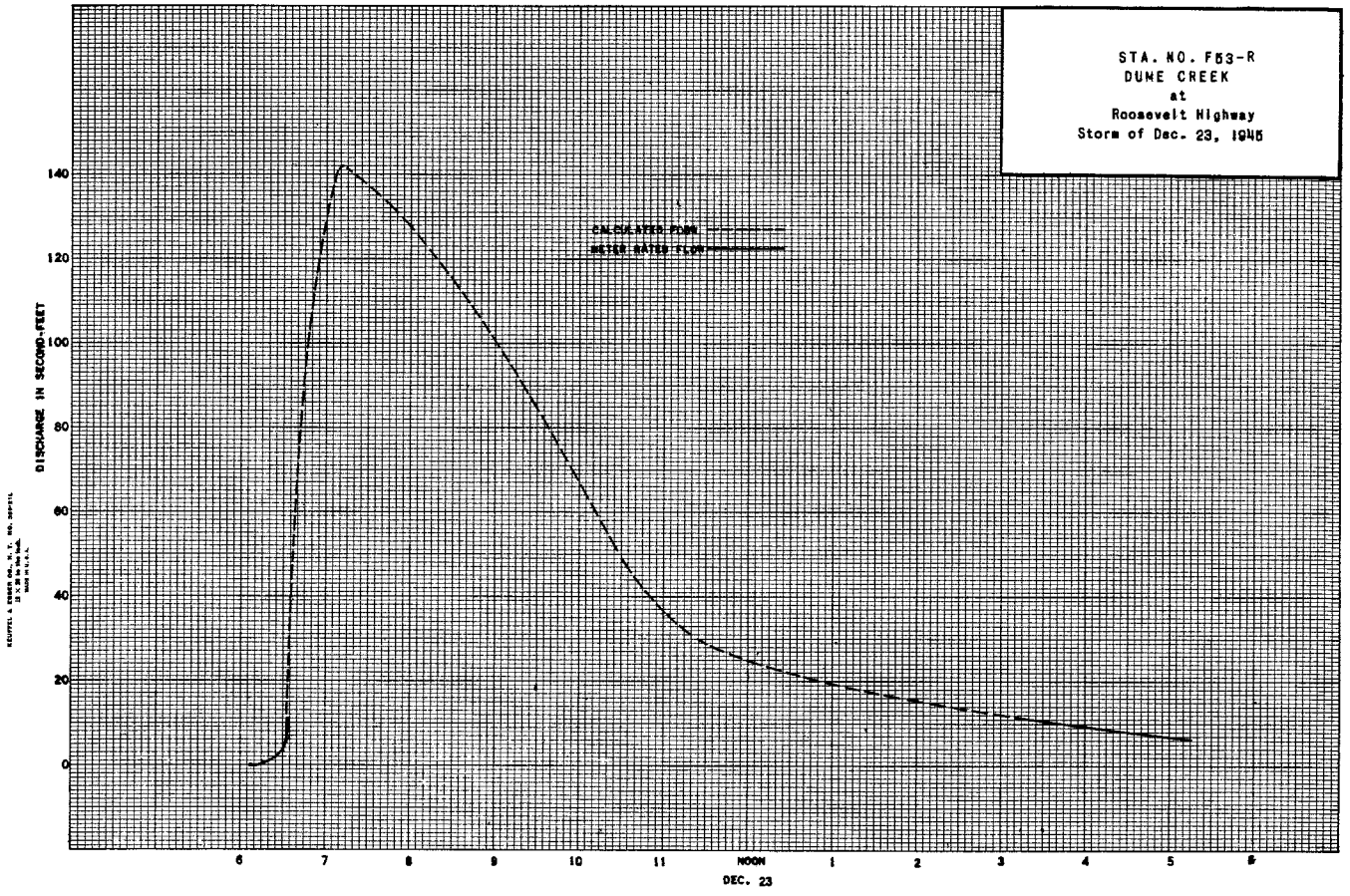
Sta. No. F 63 - R

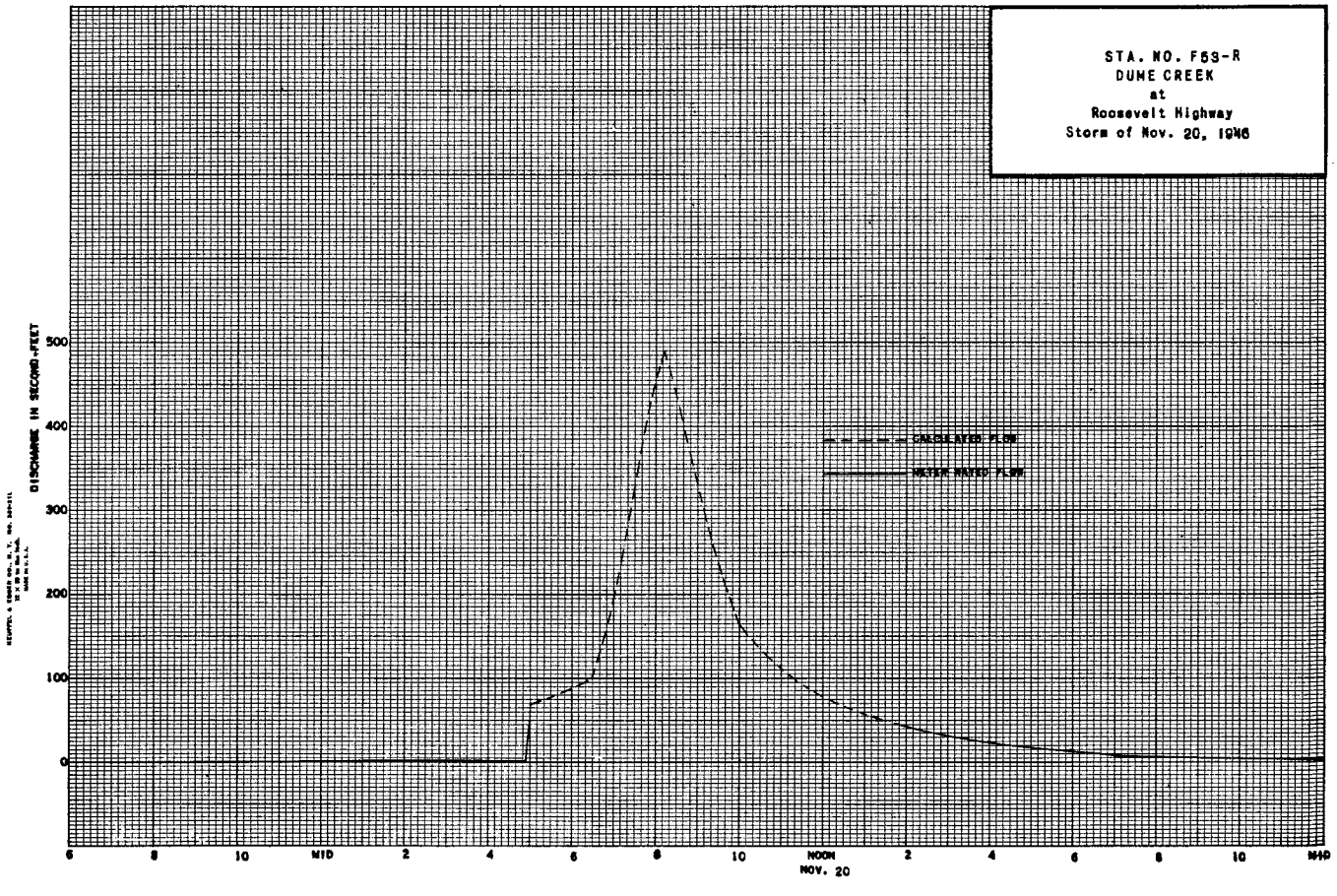
Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway, for the year ending September 30, 19 47

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
13	0	8.4	0	0	0	0	0	0	0	0	0	0
14	0	5.3	0	0	0	0	0	0	0	0	0	0
15	0		0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0		0	0	0	0	0	0	0	0	0	0
20	0	7.3	0	0	0	0	0	0	0	0	0	0
21	0	0.3	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	3.2	0	0	0	0	0	0	0	0	0	0
24	0	2.5	0	0	0	0	0	0	0	0	0	0
25	0		0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	12.15	0	0	0	0	0	0	0	0	0	0
MEAN	0	4.05	0	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	241	0	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 241


STA. NO. F53-R
DUME CREEK
at
Roosevelt Highway
Storm of Dec. 23, 1945
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
140
6
7
8
9
10
11
NOON
1
2
3
4
5
6
DEC. 23


STA. NO. F53-R
DUME CREEK
at
Roosevelt Highway
Storm of Nov. 20, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
NOV. 20

STATION U2-R
EATON CREEK above Mouth of Canyon

STATION U2-R
EATON CREEK ABOVE MOUTH OF CANYON

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

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1947.

AVERAGE DISCHARGE: 28 YEARS, 2.81 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION, 28 YEARS, 4.12 SECOND FEET. 29 YEARS, 2.77 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION, 29 YEARS, 4.11 SECOND-FEET.

EXTREMES:

1945-1946
MAXIMUM DISCHARGE, 271 SECOND-FEET, DECEMBER 23. (GAGE HEIGHT 2.12 FEET. NO FLOW FOR SEVERAL MONTHS.

1946-47
MAXIMUM DISCHARGE 230 SECOND-FEET NOVEMBER 13. (GAGE HEIGHT 2.10 FEET). NO FLOW MOST OF YEAR.

1918-1945
MAXIMUM DISCHARGE 2,400 SECOND-FEET MARCH 2, 1938, FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR. NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS GOOD BELOW 70 SECOND-FEET AND FAIR ABOVE. RECORDS DO NOT INCLUDE WATER DIVERTED ABOVE STATION BY CITY OF PASADENA.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF EATON CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
425	12-22		U.S.G.S.	24.2	29.8	5.94	1.80	177.		.6	19	+.06 −.03	
426	3-30		"	29.	25.6	4.84	1.25	124.		.6	25	+.04 −.01	
427	3-31		"	21.	13.8	2.77	1.24	38.2		.6	21	0	
428	4-1		"	15.	8.8	1.34	.73	11.8		.6	15	+.01	
429	4-4		"	14.4	7.2	.94	.56	6.8		.6	14	0	

DISCHARGE MEASUREMENTS OF EATON CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
430	11-12		U.S.G.S.	13.6	4.52	1.46	0.42	6.6		.5 .6	14	0	
431	11-14		"	16.0	10.3	2.21	0.98	22.8		.6	9	.01	
432	11-20		"	29	22.5	5.04	1.52	114		.6	20	.04	
433	11-21		"	20.1	11.8	1.97	1.00	23.3		.6	20	0	
434	11-23		"	24	16.3	2.96	1.30	48.2		.6	24	.04	
435	11-25		"	15.6	6.6	1.47	0.44	9.7		.6	16	0	
436	12-6		"	14.5	8.0	1.69	0.67	13.5		.6	10	.02	
437	12-26		"	25	20.2	3.46	1.39	70.0		.6	23	0	
438	1-9	255P 305P	MOON	14.0	9.1	0.81	0.43	7.4		.6	10	0	FC22
439	1-15		U.S.G.S.	12.2	5.5	0.70	0.27	3.86		.6	13	0	
440	1-29		"	0.8	0.15	0.60	0.01	0.09		.5	4	0	

F. C. Dist. Form 82 4-46

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 48

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	18	0	0	0	0	0
2	0	0	0	0	0	0	9.5	0	0	0	0	0
3	0	0	0	0	7.4	0	5.6	0	0	0	0	0
4	0	0	0	0	0.8	0	6.6	0	0	0	0	0
5	0	0	0	0	0	0	3.6	0	0	0	0	0
6	0	0	0	0.1	0	0	1.9	0	0	0	0	0
7	0	0	0	0	0	0	3.6	0	0	0	0	0
8	0	0	0	0	0	0	8.4	0	0	0	0	0
9	0	0	0	0	0	0	6.2	0	0	0	0	0
10	0	0	0	0	0	0	2.0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1.9	0	0	0	0	0	0
20	0	0	0	0	0	0.2	0	0	0	0	0	0
21	0	0	19	0	0	0	0	0	0	0	0	0
22	0	0	94	0	0	0	0	0	0	0	0	0
23	0	0	77	0	0	0	0	0	0	0	0	0
24	0	0	20	0	0	0	0	0	0	0	0	0
25	0	0	7.1	0	0	0	0	0	0	0	0	0
26	0	0	1.9	0	0	0	0	0	0	0	0	0
27	0	0	0.3	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0.1	0	0	0	0	0	0
29	0	0	0	0		0.4	0	0	0	0	0	0
30	0	0	0	0		103	0	0	0	0	0	0
31	0		0	0		39		0		0	0	
	0	0	2193	0.1	8.2	144.6	65.4	0	0	0	0	0
MEAN	0	0	7.07	.003	.29	4.66	2.18	0	0	0	0	0
ACRE-FEET	0	0	435.	.2	16.	287.	130.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.20
ACRE-FEET 868.

F. C. Dist. Form 52 4-46

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 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.9	8.4	0	0	0	0	0	0	0	0
2	0	0	0.6	7.2	0	0	0	0	0	0	0	0
3	0	0	0	6.4	0	0	0	0	0	0	0	0
4	0	0	0	4.2	0	0	0	0	0	0	0	0
5	0	0	0	5.8	0	0	0	0	0	0	0	0
6	0	0	5.8	6.2	0	0	0	0	0	0	0	0
7	0	0	1.4	5.5	0	0	0	0	0	0	0	0
8	0	0	0	2.6	0	0	0	0	0	0	0	0
9	0	0	0	2.8	0.6	0	0	0	0	0	0	0
10	0	0	0	1.6	0.6	0	0	0	0	0	0	0
11	0	0	0	3.6	0	0	0	0	0	0	0	0
12	0	18	0	2.2	0	0	0	0	0	0	0	0
13	0	62	0	2.0	0	0	0	0	0	0	0	0
14	0	21	0	2.8	0	0	0	0	0	0	0	0
15	0	6.5	0	3.6	0	0	0	0	0	0	0	0
16	0	0.5	0	2.7	0	0	0	0	0	0	0	0
17	0	0	0	0.2	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	8.4	0	0	0	0	0	0	0	0	0	0
21	0	33	0	0	0	0	0	0	0	0	0	0
22	0	12	0	0	0	0	0	0	0	0	0	0
23	0	31	0	0	0	0	0	0	0	0	0	0
24	0	17	0.4	0	0	0	0	0	0	0	0	0
25	0	9.5	35	0	0	0	0	0	0	0	0	0
26	0	6.7	58	0	0	0	0	0	0	0	0	0
27	0	8.6	53	0	0	0	0	0	0	0	0	0
28	0	3.8	28	60	0	0	0	0	0	0	0	0
29	0	1.8	18	33		0	0	0	0	0	0	0
30	0	1.6	14	0		0	0	0	0	0	0	0
31	0		15	0		0		0		0	0	
	0	317.0	231.1	77.3	1.2	0	0	0	0	0	0	0
MEAN	0	10.6	7.45	2.49	0.43	0	0	0	0	0	0	0
ACRE-FEET	0	629	458	153	2.4	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.72
ACRE-FEET 1,240

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 BEET BELOW THE BEGINNING OF THE OPEN SECTION AT THE BASE OF EATON WASH DAM. ELEVATION OF GAGE ABOUT 840 FEET.

DRAINAGE AREA: 9.5 SQUARE MILES

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

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

RECORDER: INSTALLED OCTOBER 10, 1940 OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 121, SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 86, SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW MOST OF YEAR.

1940-1947
MAXIMUM 1,080 SECOND FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR below Eaton Wash Dam DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
97	12/22	1235P / 1240P	MOON	25.0	7.50	5.76	0.42	43.2			6	6	0	FC22
98	12/24	100P / 110P	MOON - HOLMES	24.0	6.80	5.16	0.37	35.1			6	6	0	"

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR below Eaton Wash Dam DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
99	11-21	320P / 330P	MOON-ROCKENMEYER	5.0	2.61	6.36	0.23	16.6		.6	7	0	FC22
100	11-21	345P / 355P	" "	5.0	2.94	9.28	0.27	27.3		.6	7	0	"
101	11-21	416P / 420P	" "	5.0	2.94	6.36	0.27	18.7		.6	7	-.01	PITOT
102	11-23	1050A /	MOON	24.0	6.00	4.53	0.30	27.2	FLOATS			0	
103	11-23	220P / 230P	"	12.0	12.5	4.38	0.43	54.7		.6	6	0	FC22
104	11-23	245P / 255P	"	24.0	8.54	5.85	0.43	50.0		.6	7	0	"
105	12-26	123P / 133P	MOON - STEVENS	22.0	21.1	3.93	0.60	83.0		.6	8	0	"
106	12-27	815A / 822A	" "	14.0	14.4	2.20	0.32	31.7		.6	7	0	"

F. C. Dist. Form 52 4-46

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, 1946

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	3.2	0	0	0	0
18	0	0	0	0	0	0	0	9.0	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	3.0	0	0	0	0
21	0	0	0	0	0	0	0	2.2	0	0	0	0
22	0	0	4.3	0	0	0	0	0	0	0	0	0
23	0	0	2.5	0	0	0	0	0	0	0	0	0
24	0	0	3.5	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		4.4	0	0	0	0	0	0
31	0		0	0		8.9		0		0	0	
	0		10.3		0		0		0		0	
		0		0		13.3		17.4		0		0
MEAN	0	0	3.32	0	0	0.43	0	0.56	0	0	0	0
ACRE-FEET	0	0	204.	0	0	26.	0	35.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.37
ACRE-FEET 265.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 271-R

Daily discharge, in second-feet of EATON WASH below Eaton Wash Dam, for the year ending September 30, 1947

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	1.3	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	9.2	0	0	0	0	0	0	0	0	0	0
22	0	6.3	0	0	0	0	0	0	0	0	0	0
23	0	2.7	0	0	0	0	0	0	0	C	0	0
24	0	2.9	0	0	0	0	0	0	0	0	0	0
25	0	6.7	1.7	0	0	0	0	0	0	0	0	0
26	0	0	6.3	0	0	0	0	0	0	0	0	0
27	0	0	3.1	0	0	0	0	0	0	0	0	0
28	0	0	3.1	0	0	0	0	0	0	0	0	0
29	0	0	2.8	0		0	0	0	0	0	0	0
30	0	0	9.9	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		164.6		0		0		0		0	
		91.2		0		0		0		0		0
MEAN	0	3.04	5.31	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	181	326	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.70
ACRE-FEET 507

STATION F104-R
EATON WASH at Ellis Lane

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

DRAINAGE AREA: 18.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. SEWER LINE CROSSING FORMS CONTROL.

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

RECORDER: INSTALLED OCTOBER 1, 1930. REMOVED DECEMBER 1930 DUE TO BRIDGE CONSTRUCTION. REINSTALLED NOVEMBER 10, 1931. MOVED DECEMBER 11, 1945 TO NORTH BANK 10' UPSTREAM OF BRIDGE OVER AN 18 INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY EATON WASH DAM.

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

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1947. FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931, THE RECORDER WAS LOCATED AT BROADWAY (DESIGNATED AS STATION F104B-R).

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 286 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 674 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW MOST OF YEAR.

1930-1947
MAXIMUM 2,280 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR. SHIFTING CONTROL.

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

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR Ellis Lane DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
272	12/21	943P / 950P	MOON	36.0	16.5	4.20	2.20	69.4		.6	5	0	FC22
273	12/22	645P / 728P	COLE - ROCKENMEYER	42.0	35.8	6.03	2.55	216.		.6	12	+.02	FC20
274	12/24	1020A / 1035A	MOON - HOLMES	TWO CHANNELS			1.93	21.7		.6	11	0	FC22
275	2/3	402P / 415P	MOON	"	"		1.94	14.9		.6	11	-.03	"
276	3/19	913A / 925A	"	"	"		1.95	11.2		.6	8	0	"
277	3/20	118P / 129P	WADDICOR-HOLMES	"	"		1.89	11.2		.6	12	0	FC37
278	3/20	300P / 310P	MOON - ROCKENMEYER	THREE	"		1.83	3.7		.6	10	+.02	FC22
279	3/28	918A / 930A	MOON	"	"		1.90	12.0		.6	12	+.02	"
280	3/30	636A / 649A	COLE - HOLMES	39.0	16.3	4.24	2.16	69.1		.6	9	-.07	FC20
281	3/30	750A / 800A	MOON - ROCKENMEYER	TWO CHANNELS			2.07	27.3		.6	10	-.02	FC22
282	3/30	222P / 233P	COLE - HOLMES	"	"		1.87	12.8		.6	10	-.02	FC20

DISCHARGE MEASUREMENTS OF EATON WASH

AT NEAR Ellis Lane DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
283	10-1	955A / 1002A	MOON	TWO CHANNELS			1.84	21.6		.5	8	-.09	FC22
284	11-12	1004A / 1012A	"	"	"		1.46	4.1		.6	7	0	"
285	11-13	1250A / 100A	BLAKELY-KASIMOFF	35.0	9.83	2.12	1.75	20.8		.6	10	-.03	FC35
286	11-13	105P / 110P	MOON-ROCKENMEYER	12.0	6.50	3.26	1.71	21.2		.6	6	-.02	FC22
287	11-20	934A / 939A	" " "	41.0	33.3	6.00	2.66	200.		.6	5	-.02	"
288	11-22	815A / 825A	MOON	10.0	3.30	2.61	1.59	8.6		.6	5	0	"
289	11-24	1005A / 1015A	"	21.0	8.20	4.05	1.82	33.2		.6	7	0	"
290	12-25	357P / 402P	"	13.0	5.40	3.89	1.70	21.0		.6	4	+.01	"
291	12-25	1130P / 1155P	"	46.0	47.3	6.28	2.88	297.		.6	11	-.15	"
292	12-27	1223P / 1232P	MOON - STEVENS	TWO CHANNELS			1.77	16.6		.6	7	0	"
293	12-27	522P / 542P	KASIMOFF - HAIG	40.0	11.8	2.18	1.82	25.8		.5	12	-.02	FC47
294	9-23	150P / 200P	WADDICOR	3.0	0.51	1.37	1.59	0.7		.6	6	0	FC37

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 104-R

Daily discharge, in second-feet of EATON WASH at Ellis Lane, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	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	0.5	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	0.4
9	0	0	0	0	3.0	0	0	0	0	0	0	0.5
10	0	0	0	0	0	0	0	0	0	0	0	0.5
11	0	1.3	0	0	0	0	0	0	0	0	0	0.5
12	0	3.4	0	0	0	0	0	0	0	0	0	0.6
13	0	5.8	0	0	0	0	0	0	0	0	0	0
14	0	1.1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0.4
16	0	0	0	0	0	0	0	0	0	0	0	0.5
17	0	0	0	0	0	0	0	0	0	0	0	0.2
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	0.2
20	0	3.4	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	3.0	0	0	0	0	0	0	0	0	0	0.3
23	0	3.5	0	0	0	0	0	0	0	0	0	0.2
24	0	1.8	0	0	0	0	0	0	0	0	0	0.4
25	0	0	7.4	0	0	0	0	0	0	0	0	0.4
26	0	0	5.8	0	0	0	0	0	0	0	0	0.4
27	0	0	3.7	0	0	0	0	0	0	0	0	0
28	0	0	1.8	1.1	0	0	0	0	0	0	0	0
29	0	0	1.7	0		0	0	0	0	0	0	0
30	0	0	1.4	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	1.4	1943	218.0	1.1	3.0	0.5	0	0	0	0	0	5.5
MEAN	0.05	6.48	7.03	0.04	0.11	0.02	0	0	0	0	0	0.18
ACRE-FEET	2.8	385	432	2.2	6.0	1.0	0	0	0	0	0	11.0

Remarks:

YEAR OR PERIOD MEAN 1.16
ACRE-FEET 840

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

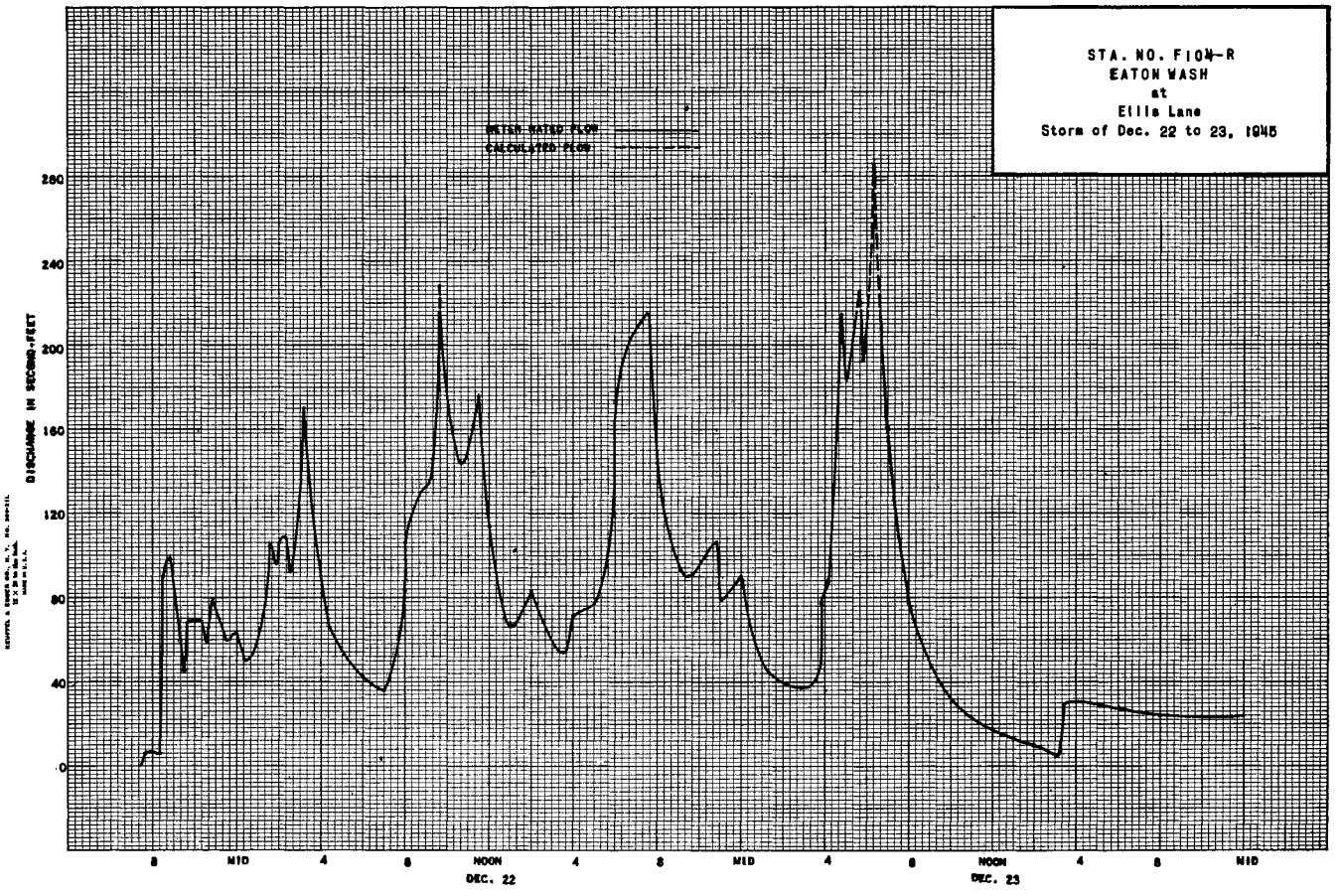
Sta. No. F104-R

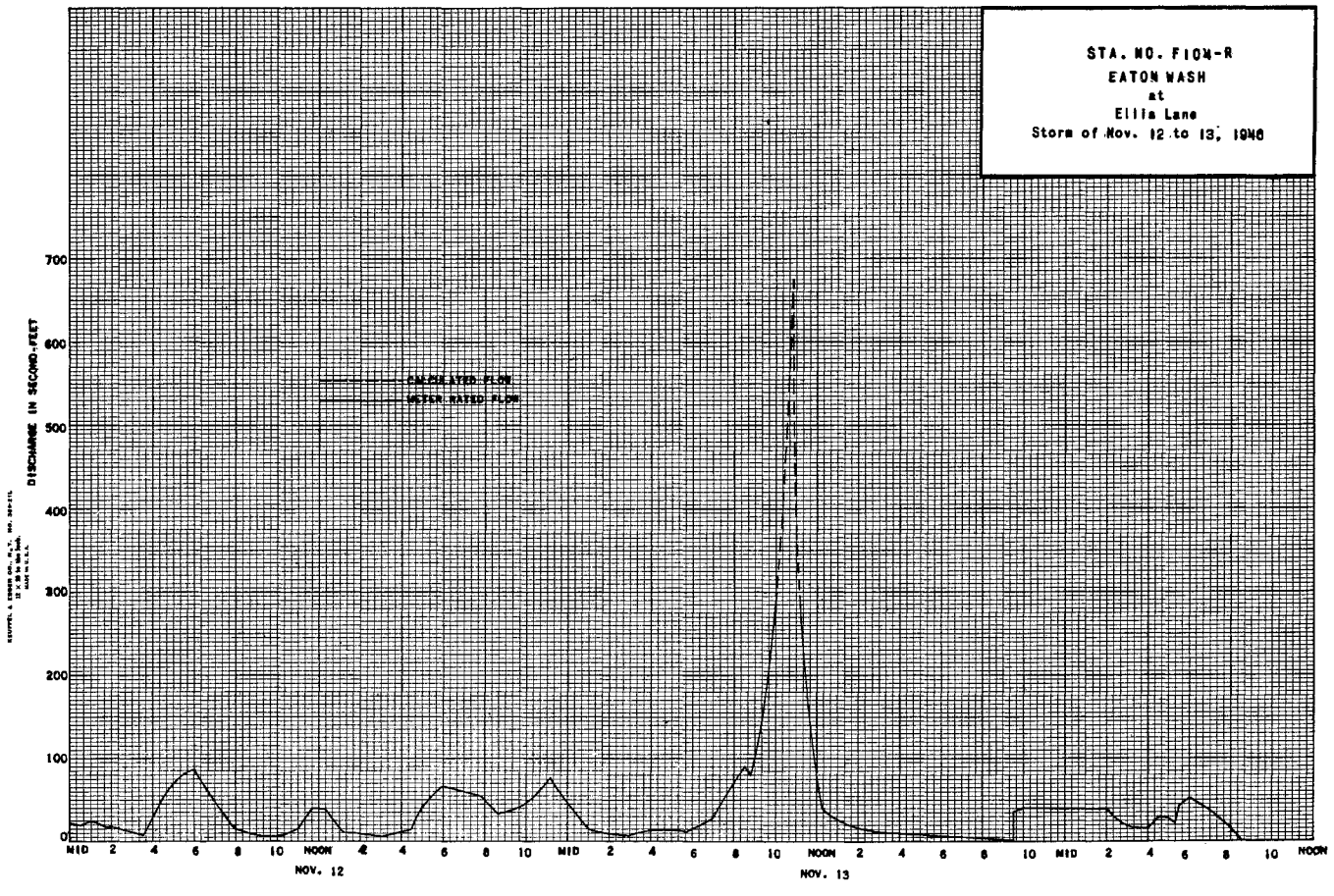
Daily discharge, in second-feet of EATON WASH at Ellis Lane, for the year ending September 30, 1946

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	1.1	0	0	0	0	0
3	0	0	0	0	1.3	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
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
19	0	0	0	0	0	3.2	0	0	0	0	0	0
20	0	0	0	0	0	1.9	0	0	0	0	0	0
21	0	0	1.1	+	0	0	0	0	0	0	0	0
22	0	0	10.5	0	0	0	0	0	0	0	0	0
23	0	0	5.6	0	0	0	0	0	0	0	0	0
24	0	0	2.1	0	0	0	0	0	0	0	0	0
25	0	0	1.3	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	+	0	0.7	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		3.4	0	0	0	0	0	0
31	0		0	0		8.8		0		0	0	
	0	0	1943		13	48.6	1.1	0	0	0	0	0
MEAN	0	0	6.25	+	0.46	1.57	0.04	0	0	0	0	0
ACRE-FEET	0	0	385.	+	26.	96.	2.2	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.70
ACRE-FEET 509.


STA. NO. F10¼-R
EATON WASH
at
Ellis Lane
Storm of Dec. 22 to 23, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
280
240
200
160
120
80
40
0
8
MID
4
8
NOON
4
8
MID
4
8
NOON
4
8
MID
DEC. 22
DEC. 23


STA. NO. F10¼-R
EATON WASH
at
Ellis Lane
Storm of Nov. 12 to 13, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
700
600
500
400
300
200
100
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
NOV. 12
NOV. 13

STATION U7-R
FISH CREEK above Mouth of Canyon

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. 1 N., R. 10 W., 0.8 MILE UPSTREAM FROM MOUTH OF CANYON AND 3 MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1,000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916; JULY 1917 TO SEPTEMBER 30, 1947.

AVERAGE DISCHARGE: 29 YEARS (1917-46) 4.59 SECOND-FEET.
30 " " 47 4.57 " "

EXTREMES:

1945-1946
MAXIMUM DISCHARGE 540 SECOND-FEET DECEMBER 23. (GAGE HEIGHT 3.59 FEET). MINIMUM DAILY DISCHARGE 0.1 SECOND-FOOT SEVERAL PERIODS IN AUGUST AND SEPTEMBER.

1946-1947
MAXIMUM DISCHARGE 400 SECOND-FEET DECEMBER 26. (GAGE HEIGHT 3.22 FEET). MINIMUM DAILY DISCHARGE 0.1 SECOND-FOOT SEVERAL PERIODS IN AUGUST AND SEPTEMBER.

1916-1947
MAXIMUM DISCHARGE ABOUT 2,180 SECOND-FEET APRIL 4, 1925. NO FLOW DURING PERIODS IN 1919-21, 1924, 1929-30.

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

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 23 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF FISH CREEK

MEAS. above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1665	10-3		U.S.G.S.	2.8	.81	.28	.05	.23		.6	11	0	
1666	10-19		"	3.5	1.36	.68	.13	.92		.6	7	0	
1667	10-26		"	2.5	.68	.66	.09	.45		.6	5	0	
1668	11-1		"	2.6	.94	.88	.13	.83		.6	5	0	
1669	11-7		"	2.5	1.07	1.07	.15	1.15		.6	10	0	
1670	11-16		"	3.3	.82	1.06	.13	.87		.6	9	0	
1671	11-23		"	3.3	.70	.96	.12	.67		.6	7	0	
1672	11-27		"	3.3	.79	.92	.12	.73		.6	7	0	
1673	12-4		"	3.2	.77	.96	.13	.74		.6	7	0	
1674	12-12		"	3.2	.81	1.06	.14	.86		.6	7	0	
1675	12-20		"	3.1	.70	1.00	.13	.70		.6	7	0	
1676	12-27		"	8.0	5.0	1.46	.57	7.3		.6	16	0	
1677	1-5		"	7.7	3.17	1.07	.31	3.38		.6	8	0	
1678	1-10		"	7.3	2.84	.87	.26	2.48		.6	8	0	
1679	1-17		MOON	2.2	.61	2.74	.23	1.67		.5	5	0	FC22
1680	1-17		U.S.G.S.	7.3	2.34	.76	.23	1.77		.6	7	0	
1681	1-24		"	7.2	2.68	.63	.20	1.68		.6	8	0	
1682	1-31		MOON	2.2	.54	2.65	.17	1.43		.5	9	0	FC22
1683	1-31		U.S.G.S.	7.6	2.60	.60	.17	1.55		.6	8	0	
1684	2-7		"	8.5	2.18	1.24	.25	2.70		.6	17	0	
1685	2-14		"	5.0	1.49	1.03	.22	1.53		.6	5	0	
1686	2-21		"	6.5	2.01	.93	.20	1.86		.6	11	+.01	
1687	2-28		"	6.5	1.97	0.95	0.19	1.88		.6	11	0	
1688	3-7		"	6.5	1.92	.95	.18	1.82		.5	10	0	
1689	3-13		"	6.0	1.99	1.45	.31	2.88		.5	24	+.02	
1690	3-14		MOON	2.2	.62	2.94	.24	1.82		.5	4	0	FC22
1691	3-19		U.S.G.S.	9.0	4.77	1.99	.67	9.5		.6	17	+.01	
1692	3-19		"	8.0	4.17	2.06	.61	8.6		.6	13	0	
1693	3-20		"	11.	4.32	1.50	.56	6.5		.6	11	0	
1694	3-28		"	6.0	2.48	1.59	.36	3.95		.5	7	0	
1695	3-30		"	22.	34.6	6.73	2.66	233.		.6	9	-.08	
1696	3-30		"	22.	35.3	5.58	2.58	197.		.6	9	-.02	
1697	3-30		"	21.5	31.7	5.33	2.53	169.		.6	9	-.04	
1698	3-30		"	20.	29.8	4.77	2.34	142.		.6	8	-.09	
1699	3-30		"	20.	24.5	4.24	2.26	104.		.6	8	-.03	
1700	3-31		"	23.	16.0	2.42	1.31	38.8		.6	21	0	
1701	4-3		"	16.	8.2	1.65	.77	13.5		.6	16	0	
1702	4-12		"	9.8	4.32	1.23	.50	5.3		.6	10	0	
1703	4-19		"	6.7	3.09	1.25	.38	3.86		.6	10	-.01	
1704	4-24		"	6.8	2.76	1.20	.29	3.32		.6	11	0	
1705	5-2		"	6.6	2.54	1.03	.27	2.61		.6	11	0	
1706	5-10		"	6.6	2.73	1.08	.28	2.95		.6	10	0	
1707	5-16		"	6.4	2.29	1.08	.26	2.47		.6	12	0	
1708	5-22		"	6.5	2.20	1.14	.26	2.50		.6	10	0	
1709	5-29		"	6.6	2.00	.98	.24	1.95		.6	9	0	
1710	6-5		"	6.2	1.72	0.72	0.19	1.23		.5	11	0	
1711	6-11		"	3.0	1.20	1.02	.21	1.23		.6	6	0	
1712	6-18		"	3.0	1.14	.94	.18	1.07		.6	6	0	
1713	6-25		"	3.0	1.14	.86	.17	.98		.6	6	0	
1714	7-3		"	3.1	1.00	.95	.15	.95		.5	7	0	
1715	7-9		"	2.0	.60	.88	.11	.53		.6	4	0	
1716	7-16		"	2.0	.40	.65	.06	.26		.6	4	0	
1717	7-24		"	2.0	.40	.55	.07	.22		.6	4	0	
1718	7-31		"	2.0	.40	.58	.04	.23		.6	4	0	
1719	8-7		"	1.5	.32	1.09	.05	.35		.5	4	0	
1720	8-14		"	1.5	.21	.76	.03	.16		.5	3	0	
1721	8-21		"	1.5	.18	.50	.02	.09		.5	3	0	
1722	8-28		"	1.5	.18	.61	.02	.11		.6	6	0	
1723	9-5		"	1.5	.18	.61	.01	.11		.6	5	0	
1724	9-11		"	1.5	.18	.52	.01	.094		.5	4	0	
1725	9-26		"	1.4	.16	.69	.02	.11		.5	6	0	

DISCHARGE MEASUREMENTS OF FISH CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1726	10-3		U.S.G.S.	2.0	0.89	1.29	0.14	1.15		.6	8	0	
1727	10-9		"	2.0	0.73	0.85	0.10	0.62		.6	6	0	
1728	10-17		"	1.4	0.61	1.41	0.14	0.86		.6	6	0	
1729	10-23		"	1.4	0.57	1.14	0.12	0.65		.6	4	0	
1730	10-31		"	1.4	0.64	1.44	0.15	0.92		.6	4	0	
1731	11-7		"	1.5	0.62	1.16	0.12	0.72		.6	5	0	
1732	11-13		"	30	22.2	2.55	1.60	56.7		.6	18	+.18	
1733	11-13		"	19	26.1	3.08	1.88	80.5		.6	19	+.04	
1734	11-14		"	10.5	6.9	1.87	0.82	12.9		.6	11	-.01	
1735	11-21		"	11.6	13.6	1.65	1.03	22.5		.6 .8	15	0	
1736	11-23		"	23.0	18.2	2.41	1.39	43.9		.6	12	-.01	
1737	11-27		"	11.0	5.4	1.63	0.58	8.8		.6	11	0	
1738	12-4		"	4.6	2.82	1.39	0.40	3.92		.6	10	0	
1739	12-11		"	2.3	0.77	3.22	0.32	2.48		.6	7	0	
1740	12-18		"	4.5	2.39	1.15	0.26	2.76		.6	9	0	
1741	12-23		"	4.5	2.05	1.03	0.23	2.15		.6	9	0	
1742	12-26		"	28	29.2	3.30	1.92	96.5		.6	23	-.02	
1743	12-27		"	30	33.0	2.97	1.95	98.0		.6	17	-.01	
1744	1-3		"	15	8.9	1.37	0.78	12.2		.6	15	0	
1745	1-9	837A / 842A	MOON	2.6	1.44	5.56	0.62	8.0		.6	5	0	FC22
1746	1-15		U.S.G.S.	6.0	4.59	1.35	0.49	6.2		.6	9	0	
1747	1-23	845A / 851A	MOON	2.4	1.05	4.50	0.41	4.7		.5	5	0	FC22
1748	1-29		U.S.G.S.	6.1	4.61	1.21	0.46	5.6		.6	12	0	
1749	2-6	847A / 854A	MOON	2.4	0.88	3.86	0.31	3.4		.5	5	0	FC22
1750	2-10		U.S.G.S.	5.6	3.67	1.02	0.33	3.75		.5 .6	12	0	
1751	2-20	1000A / 1008A	MOON	2.6	1.13	3.89	0.42	4.4		.5	5	0	FC22
1752	2-26		U.S.G.S.	5.7	3.69	0.91	0.42	3.35		.6	11	0	
1753	3-6	840A / 847A	MOON	2.4	1.07	3.18	0.45	3.4		.5	5	0	FC22
1754	3-12		U.S.G.S.	5.6	3.26	0.86	0.47	2.79		.6	12	0	
1755	3-20	1015A / 1022A	MOON	2.5	1.21	2.56	0.40	3.1		.5	5	0	FC22
1756	3-20	1030A / 1035A	"	5.5	3.11	0.80	0.49	2.8		.6	4	0	"
1757	3-26		U.S.G.S.	5.6	3.16	0.72	0.37	2.29		.6	12	-.01	
1758	4-2	145P / 150A	MOON	2.4	1.01	2.67	0.42	2.9		.5	5	0	FC22
1759	4-9		U.S.G.S.	5.6	3.07	0.74	0.41	2.23		.6	12	0	
1760	4-17	1035A / 1043A	MOON	5.5	2.98	0.64	0.39	1.91		.5	6	0	FC22
1761	4-23		U.S.G.S.	5.5	3.04	0.65	0.33	1.97		.6	12	0	
1762	5-1	940A / 945A	MOON	2.3	1.72	2.35	0.29	1.7		.5	5	0	FC22
1763	5-7		U.S.G.S.	3.7	2.10	0.74	0.27	1.56		.6	10	0	
1764	5-15	1147A / 1154A	MOON	2.3	0.67	2.27	0.26	1.52		.5	5	0	FC22
1765	5-21		U.S.G.S.	3.2	1.54	0.92	0.22	1.42		.6	9	0	
1766	5-28	358P / 404P	MOON	2.2	0.54	1.80	0.20	0.97		.5	5	0	FC22
1767	6-4		U.S.G.S.	2.7	1.27	1.08	0.22	1.37		.6	8	0	
1768	6-12	122P / 129P	MOON	2.6	1.13	0.86	0.20	0.97		.5	4	0	FC22
1769	6-18		U.S.G.S.	2.6	1.06	0.83	0.18	0.98		.6	8	0	
1770	6-25	335P / 341P	MOON	2.2	0.97	1.03	0.19	1.0		.5	4	0	FC22
1771	6-30		U.S.G.S.	2.3	0.90	0.89	0.15	0.80		.6	10	0	
1772	7-9	245P / 254P	MOON	1.4	0.42	0.57	1.05	0.24		.5	3	0	FC22
1773	7-15		U.S.G.S.	1.4	0.42	0.67	0.06	0.28		.5	6	0	
1774	7-24	1114A / 1119A	MOON	1.4	0.42	0.62	0.05	0.26		.5	3	0	FC22
1775	7-28		U.S.G.S.	1.0	0.22	0.40	0.00	0.087		.5	5	0	
1776	8-7	100P / 103P	MOON	0.9	0.18	0.33	-0.01	0.06		.5	2	0	FC22
1777	8-11		U.S.G.S.	0.9	0.27	0.70	0.02	0.19		.5	5	0	
1778	8-20	245P / 248P	MOON	0.9	0.27	0.74	0.02	0.20		.5	2	0	FC22
1779	8-25		U.S.G.S.	0.9	0.27	0.81	0.03	0.22		.5	5	0	
1780	9-4	1106A / 1110A	STUNDEN	1.0	0.20	0.25	-0.02	0.05		.5	2	0	FC36
1781	9-8		U.S.G.S.	0.9	0.20	0.36	-0.01	0.073		.5	5	0	
1782	9-18	1105A / 1110A	STUNDEN	1.4	0.50	0.98	0.10	0.49		.5	3	0	FC40
1783	9-22		U.S.G.S.	1.4	0.40	0.72	0.05	0.29		.5	6	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.8	0.8	3.8	1.5	1.7	24	2.7	1.6	0.8	0.1	0.1
2	0.2	0.8	0.8	3.6	1.5	1.7	20	2.7	1.6	0.8	0.1	0.2
3	0.2	0.7	0.8	4.7	15	1.7	14	2.7	1.6	0.8	0.1	0.1
4	0.2	0.7	0.8	3.6	6.0	1.7	11	2.6	1.5	0.7	0.1	0.1
5	0.4	0.8	0.8	3.5	3.6	1.7	9.0	2.5	1.2	0.7	0.1	0.1
6	0.6	1.1	0.8	3.0	3.2	1.8	8.0	2.3	1.1	0.7	0.1	0.1
7	1.0	1.2	0.8	2.9	2.9	1.8	7.3	2.2	1.1	0.7	0.2	0.1
8	0.9	1.0	0.8	2.6	2.6	1.6	6.9	2.2	1.2	0.6	0.2	0.1
9	0.8	0.9	0.8	2.5	2.3	1.6	6.5	2.5	1.2	0.6	0.2	0.2
10	0.8	0.9	0.8	2.5	2.2	1.6	6.1	2.7	1.1	0.5	0.2	0.2
11	0.8	0.9	0.8	2.2	2.2	1.6	5.8	2.9	1.0	0.5	0.2	0.1
12	0.8	0.9	0.8	2.1	2.2	1.6	5.5	2.7	1.0	0.4	0.2	0.1
13	0.7	0.9	0.8	2.0	2.2	3.3	5.3	2.6	1.0	0.4	0.2	0.1
14	0.7	0.9	0.8	2.0	2.1	1.8	5.1	2.5	1.0	0.3	0.2	0.1
15	0.8	0.9	0.8	1.8	2.1	1.1	4.9	2.5	0.9	0.3	0.2	0.1
16	0.8	0.9	0.8	1.7	2.5	1.0	4.7	2.3	0.9	0.2	0.2	0.1
17	0.9	0.9	0.8	1.7	2.1	1.0	4.6	2.2	0.9	0.3	0.2	0.1
18	0.9	0.8	0.7	1.7	2.0	1.0	4.4	2.2	0.9	0.4	0.1	0.1
19	0.9	0.8	0.7	1.7	1.8	5.9	4.2	2.3	0.8	0.5	0.1	0.1
20	0.8	0.7	0.7	1.7	1.8	6.0	4.1	2.3	0.8	0.5	0.1	0.1
21	0.8	0.7	35	1.7	1.8	4.9	3.9	2.5	0.9	0.5	0.1	0.1
22	0.8	0.7	151	1.7	1.8	3.3	3.6	2.3	1.0	0.4	0.1	0.2
23	0.8	0.7	156	1.7	1.8	3.2	3.5	2.5	0.9	0.4	0.1	0.2
24	0.7	0.7	24	1.7	1.8	3.0	3.5	2.1	0.9	0.4	0.1	0.2
25	0.6	0.7	1.2	1.6	1.8	2.6	3.3	2.1	0.8	0.4	0.1	0.1
26	0.5	0.7	7.6	1.6	1.8	2.3	3.0	2.3	0.8	0.3	0.1	0.1
27	0.5	0.7	7.3	1.6	1.8	2.2	3.0	2.2	0.8	0.2	0.1	0.1
28	0.6	0.7	6.3	1.6	1.8	3.8	3.0	2.1	0.8	0.2	0.1	0.1
29	0.8	0.7	5.7	1.6		4.1	3.0	1.8	0.8	0.2	0.1	0.1
30	1.3	0.8	4.9	1.5		110	2.9	1.7	0.8	0.2	0.1	0.2
31	0.9		4.1	1.5		4.1		1.6		0.2	0.1	
	21.7	24.6	429.6	69.1	76.2	221.6	194.1	72.8	30.9	14.1	4.2	3.7
MEAN	0.70	.82	13.9	2.23	2.72	7.15	6.47	2.35	1.03	.45	.14	.12
ACRE-FEET	43.	49.	852.	137	151.	440.	385.	144.	61.	28.	8.3	7.3

Remarks:

YEAR OR PERIOD MEAN 3.19 ACRE-FEET 2,310

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	0.8	4.9	1.7	4.1	3.2	2.8	1.6	1.3	0.7	0.1	0.2
2	1.1	0.7	4.6	1.4	3.8	3.2	2.9	1.4	1.3	0.6	0.1	0.1
3	0.7	0.7	4.2	1.3	3.5	3.3	2.9	1.4	1.3	0.5	0.1	0.1
4	0.8	0.7	3.9	1.2	3.5	3.4	2.7	1.4	1.3	0.4	0.1	0.1
5	0.7	0.7	3.8	1.1	3.3	3.7	2.5	1.4	1.3	0.4	0.1	0.1
6	0.7	0.7	4.4	1.0	3.3	3.4	2.4	1.4	1.2	0.4	0.1	0.1
7	0.6	0.7	3.8	9.2	3.2	3.2	2.2	1.5	1.2	0.4	0.1	0.1
8	0.5	1.1	3.2	8.2	3.2	3.1	2.1	1.4	1.2	0.4	0.1	0.1
9	0.5	0.9	2.9	7.8	4.2	3.0	2.1	1.4	1.3	0.3	0.1	0.1
10	0.5	0.8	2.6	7.3	4.1	3.0	2.1	1.5	1.3	0.3	0.2	0.3
11	0.5	1.9	2.5	6.9	3.6	2.9	2.0	1.5	1.2	0.3	0.2	0.3
12	0.5	1.9	2.6	6.5	3.5	2.8	1.8	1.4	1.1	0.4	0.2	0.2
13	0.5	4.3	2.6	6.5	3.3	2.7	1.8	1.3	1.0	0.4	0.2	0.1
14	0.5	1.3	2.6	6.1	3.3	2.7	1.8	1.4	1.0	0.3	0.2	0.1
15	0.6	7.0	2.6	6.1	3.3	2.8	1.8	1.5	0.9	0.3	0.2	0.1
16	1.1	4.7	2.6	5.9	3.3	2.8	1.8	1.4	0.9	0.3	0.2	0.1
17	0.8	3.2	2.7	5.8	7.0	2.8	1.8	1.3	0.8	0.3	0.2	0.2
18	0.8	2.5	2.7	5.8	7.2	3.0	1.9	1.3	0.9	0.3	0.2	0.4
19	0.8	2.2	2.6	5.7	5.1	3.1	2.0	1.2	0.9	0.2	0.2	0.4
20	0.7	11.6	2.5	5.5	4.2	3.1	1.9	1.2	1.0	0.2	0.2	0.2
21	0.7	2.6	2.3	5.3	3.9	3.0	2.0	1.2	1.0	0.2	0.2	0.2
22	0.7	1.1	2.2	4.9	3.8	2.9	2.2	1.3	0.9	0.2	0.2	0.2
23	0.7	3.1	2.3	4.6	3.5	2.8	2.0	1.3	0.9	0.2	0.2	0.2
24	0.6	2.4	3.2	4.4	3.3	2.6	1.9	1.2	0.9	0.2	0.2	0.2
25	0.5	1.5	7.1	4.1	3.3	2.4	1.9	1.1	1.0	0.2	0.2	0.1
26	0.5	1.0	14.0	4.1	3.3	2.3	1.9	1.0	1.0	0.2	0.2	0.1
27	1.5	8.7	8.4	3.9	3.3	2.4	1.9	1.4	0.9	0.1	0.3	0.1
28	1.7	6.5	4.7	9.4	3.3	3.8	1.9	1.3	0.9	0.1	0.3	0.1
29	1.2	5.5	3.1	5.7		2.8	1.8	1.1	0.8	0.1	0.2	0.1
30	1.0	5.1	2.6	5.1		2.7	1.7	1.3	0.8	0.1	0.2	0.1
31	0.9		2.0	4.4		2.7		1.4		0.1	0.2	
	28.1	36.3.1	493.3	226.2	107.7	91.6	62.5	41.5	31.6	9.1	5.5	4.8
MEAN	0.91	12.1	15.9	7.30	3.85	2.95	2.08	1.34	1.05	0.29	0.28	0.16
ACRE-FEET	56	720	978	449	214	182	124	82	63	18	11	9.5

Remarks:

YEAR OR PERIOD — MEAN 4.01 — ACRE-FEET 2,910

STATION U12-R
HAINES CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR. LAT. 34°15'50". LONG. 118°16'15". ON NW 1/4 NW 1/4 SEC. 17, T. N., R. 13 W., HALF A MILE UPSTREAM FROM MOUTH OF CANYON AND 1½ MILES NORTHEAST OF TUJUNGA. ALTITUDE OF GAGE ABOUT 2,430 FEET.

DRAINAGE AREA: 1.2 SQUARE MILES.

RECORDS AVAILABLE: FEBRUARY 1917 TO SEPTEMBER 1934, OCTOBER 1935 TO SEPTEMBER 30, 1947.

AVERAGE DISCHARGE: 28 YEARS, 0.179 SECOND-FOOT.
29 " 0.175 " "

EXTREMES:

1945-1946
MAXIMUM DISCHARGE, 12 SECOND-FEET MARCH 30. (GAGE HEIGHT 2.20 FEET).
MINIMUM DAILY DISCHARGE, 0.01 SECOND-FOOT, OR LESS ON MANY DAYS.

1946-1947
MAXIMUM DISCHARGE, 6.2 SECOND-FEET DECEMBER 25. (GAGE HEIGHT 1.88 FEET).
MINIMUM DAILY DISCHARGE LESS THAN 0.01 SECOND-FOOT ON MANY DAYS.

1917-1934, 1935-1947
MAXIMUM DISCHARGE OF RECORD, 265 SECOND-FEET MARCH 2, 1938. (GAGE HEIGHT 4.60 FEET).
MINIMUM DISCHARGE LESS THAN 0.1 SECOND-FOOT DURING PERIODS IN MOST YEARS.

REMARKS: RECORDS FAIR. A DEBRIS WAVE (COMMONLY CALLED A MUD FLOW) ATTAINED A GAGE HEIGHT OF APPROXIMATELY 11 FEET JANUARY 1, 1934. (DISCHARGE NOT DETERMINED. DIVERSIONS ABOVE STATION FOR DOMESTIC USE.

DISCHARGE MEASUREMENTS OF HAINES CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46.

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
449	10-4		U.S.G.S.				1.04	.005		VOL.			
450	10-9		"				1.04	.005		VOL.			
451	10-17		"				1.04	.005		VOL.			
452	10-31		"				1.04	.007		VOL.			
453	11-8		"				1.04	.006		VOL.			
454	11-15		"				1.04	.008		VOL.			
455	11-21		"				1.04	.010		VOL.			
456	11-28		"				1.05	.010		VOL.			
457	12-5		"				1.05	.013		VOL.			
458	12-13		"				1.07	.017		VOL.			
459	12-19		"				1.06	.017		VOL.			
460	12-22		"	4.2	0.33	3.21	1.44	1.06		.5	9	-.02	
461	12-28		"				1.13	.13		VOL.			
462	1-4		"				1.12	.14		VOL.			
463	1-9		"				1.10	.10		VOL.			
464	1-16		"				1.10	.10		VOL.			
465	1-23		"				1.11	.10		VOL.			
466	1-30		"				1.12	.10		VOL.			
467	2-6		"				1.13	.13		VOL.		0	
468	2-13		"				1.11	.11		VOL.			
469	2-20		"				1.11	.11		VOL.			
470	2-27		"				1.10	.086		VOL.			
471	3-6		"				1.10	0.069		VOL.			
472	3-12		"				1.10	.057		VOL.			
473	3-21		"	1.0	0.079	0.62	1.13	.049		.5	5	0	
474	3-27		"				1.08	.053		VOL.			
475	3-31		"	1.5	.48	1.00	1.28	.48		.5	5	0	
476	4-1		"	1.5	.36	.89	1.20	.32		.6	3	0	
477	4-4		"	1.2	.26	1.02	1.18	.27		.6	3	0	
478	4-11		"				1.15	.23		VOL.			
479	4-18		"				1.15	.23		VOL.			
480	4-24		"				1.15	.23		VOL.			
481	5-1		"				1.15	.23		VOL.			
482	5-1		"	1.5	.23	.83	1.15	.19		.5	4	0	
483	5-8		"				1.13	.20		VOL.			
484	5-15		"				1.13	.17		VOL.			
485	5-22		"				1.12	.14		VOL.			
486	5-29		"				1.09	.081		VOL.			
487	6-5		"				1.07	.063		VOL.			
488	6-12		"				1.05	.016		VOL.			
489	6-19		"				1.04	.009		VOL.			
490	6-26		"				1.05	.010		VOL.			
491	7-3		"				1.07	.018		VOL.			
492	7-10		"				1.05	.007		VOL.			
493	7-18		"				1.05	.006		VOL.			
494	7-23		"				1.05	0.005		VOL.			
495	7-30		"				1.04	.004		VOL.			
496	8-6		"				1.06	.004		VOL.			
497	8-14		"				1.04	.004		VOL.			
498	8-21		"				1.05	.002		VOL.			
499	8-28		"				1.04	.002		VOL.			
500	9-5		"				1.03	.002		VOL.			
501	9-11		"				1.03	.002		VOL.			
502	9-17		"				1.04	.002		VOL.			
503	9-24		"				1.03	.001		VOL.			

DISCHARGE MEASUREMENTS OF HAINES CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
504	10-1		U.S.G.S.				1.04	0.004		VOL.			
505	10-8		"				1.08	0.053		VOL.			
506	10-15		"				1.05	0.011		VOL.			
507	10-22		"				1.05	0.007		VOL.			
508	10-29		"				1.05	0.006		VOL.			
509	11-5		"				1.04	0.007		VOL.			
510	11-12		"				1.07	0.008		VOL.			
511	11-19		"				1.06	0.030		VOL.			
512	11-22		"				1.13	0.16		VOL.			
513	11-26		"				1.13	0.17		VOL.			
514	12-10		"				1.10	0.086		VOL.			
515	12-17		"				1.12	0.13		VOL.			
516	12-26		"	0.8	.125	5.60	1.41	0.70		.5		0	
517	1-14		"	1.1	0.19	1.32	1.19	0.25		.5	6	-.01	
518	1-28		"	0.8	0.15	1.60	1.19	0.24		.5	4	0	
519	2-12		"	0.5	0.10	1.50	1.13	0.15		.5	3	0	
520	2-25		"	0.45	0107	1.14	1.10	0.078		.5	5	0	
521	3-11		"				1.09	0.075		VOL.			
522	3-23		"				1.08	0.045		VOL.			
523	4-8		"				1.08	0.020		VOL.			
524	4-22		"				1.08	0.030		VOL.			
525	5-6		"				1.04	0.008		VOL.			
526	5-20		"				1.05	0.005		VOL.			
527	6-3		"				1.05	0.008		VOL.			
528	6-17		"				1.04	0.004		VOL.			
529	7-1		"				1.04	0.003		VOL.			
530	7-18		"				1.03	0.001		VOL.			
531	7-31		"				1.02	0.001		VOL.			
532	8-12		"				1.03	0.001		VOL.			
533	8-26		"				1.03	0.002		VOL.			
534	9-9		"				1.03	0.001		VOL.			
535	9-23		"				1.03	0.001		VOL.			

F. C. Dist. Form 52 4-46

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, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.01	0.13	0.08	0.06	0.34	0.24	0.08	0.01		
2			0.01	0.13	0.08	0.06	0.35	0.24	0.08	0.02		
3			0.01	0.13	0.27	0.06	0.26	0.24	0.08	0.01		
4			0.01	0.13	0.17	0.06	0.24	0.21	0.08	0.01		
5			0.01	0.13	0.13	0.06	0.24	0.21	0.06	0.01		
6			0.01	0.11	0.13	0.06	0.26	0.19	0.06	0.01		
7			0.01	0.11	0.11	0.08	0.26	0.19	0.05	0.01		
8		e 0.006	0.01	0.11	0.11	0.08	0.24	0.19	0.05	0.01	e 0.004	
9			0.02	0.09	0.11	0.06	0.24	0.21	0.05	0.01		
10			0.02	0.09	0.11	0.06	0.24	0.21	0.05	0.01		
11			0.02	0.09	0.11	0.06	0.24	0.19	0.03	0.01		
12			0.02	0.09	0.11	0.06	0.26	0.17	0.02	0.01		
13			0.02	0.09	0.11	0.06	0.26	0.17	0.03	0.01		
14			0.02	0.09	0.11	0.06	0.26	0.17	0.03	0.01		e 0.002
15			0.02	0.09	0.11	0.06	0.26	0.17	0.02	0.01		
16	e 0.005	0.01	0.02	0.09	0.11	0.06	0.26	0.17	0.02			
17		0.01	0.03	0.09	0.11	0.06	0.24	0.17	0.02			
18		0.01	0.03	0.09	0.11	0.06	0.24	0.17	0.02			
19		0.01	0.03	0.09	0.11	0.13	0.26	0.17	0.01			
20		0.01	0.03	0.09	0.11	0.06	0.26	0.15	0.02			
21		0.01	0.68	0.09	0.11	0.05	0.26	0.13	0.02			
22		0.01	1.4	0.09	0.11	0.05	0.24	0.13	0.03	e 0.005	e 0.002	
23		0.01	1.2	0.09	0.11	0.04	0.24	0.13	0.03			
24		0.01	0.25	0.09	0.09	0.05	0.24	0.11	0.02			
25		0.01	0.17	0.09	0.08	0.05	0.24	0.11	0.02			
26		0.01	0.15	0.09	0.08	0.06	0.24	0.13	0.02			
27		0.01	0.13	0.09	0.08	0.06	0.24	0.11	0.02			
28		0.01	0.13	0.09	0.06	0.11	0.24	0.09	0.03			
29		0.01	0.13	0.09		0.27	0.24	0.08	0.03			0.01
30		0.01	0.13	0.09		4.3	0.24	0.08	0.02			0.02
31			0.13	0.08		0.65		0.08				
	0.155	0.240	4.86	3.04	3.12	7.00	7.63	5.01	1.10	0.240	0.092	0.086
MEAN	0.0050	.0080	.157	.098	.111	.226	.254	.162	.037	.0077	.0030	.0029
ACRE-FEET	0.3	.5	9.6	6.0	6.2	14.	15.	9.9	2.2	.5	.2	.2

Remarks: e - Maximum daily discharge during period less than 0.01 sec.ft.

YEAR OR PERIOD MEAN .0892
ACRE-FEET 65

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.003		0.11	0.26	0.17	0.08	0.04	0.01				
2			0.09	0.26	0.15	0.08	0.04	0.01				
3	0.01		0.08	0.26	0.15	0.08	0.04	0.01				
4	0.05		0.08	0.26	0.15	0.08	0.04	0.01				
5	0.07		0.11	0.26	0.15	0.08	0.04	0.01				
6	0.05	e 0.006	0.13	0.26	0.15	0.08	0.04	0.01				
7	0.05		0.11	0.26	0.15	0.08	0.03	0.01				
8	0.05		0.09	0.26	0.15	0.08	0.03	0.01				
9	0.05		0.08	0.24	0.15	0.08	0.04	0.01				
10	0.04		0.08	0.24	0.15	0.08	0.03	0.01				
11	0.01		0.08	0.24	0.15	0.08	0.02	0.01				
12	0.01	0.06	0.09	0.24	0.15	0.08	0.03	0.01				
13	0.01	0.32	0.11	0.24	0.15	0.06	0.03	0.01				
14	0.01	0.09	0.11	0.24	0.15	0.05	0.02	0.01				
15	0.01	0.05	0.13	0.24	0.15	0.05	0.03	0.01	e 0.005	e 0.002	e 0.001	e 0.001
16	0.01	0.04	0.13	0.21	0.15	0.04	0.03	0.01				
17	0.01	0.03	0.13	0.21	0.15	0.04	0.03	0.01				
18	0.01	0.03	0.13	0.21	0.15	0.05	0.03	0.01				
19		0.03	0.13	0.21	0.15	0.04	0.03	0.01				
20		0.55	0.13	0.21	0.15	0.04	0.03	0.01				
21		0.15	0.13	0.19	0.13	0.04	0.03	0.01				
22	e 0.006	0.15	0.13	0.19	0.12	0.04	0.03	0.01				
23		0.24	0.13	0.19	0.09	0.04	0.03	0.01				
24		0.19	0.17	0.21	0.08	0.04	0.03	0.01				
25		0.17	0.88	0.19	0.08	0.04	0.03	0.01				
26	0.01	0.17	1.3	0.17	0.09	0.04	0.03	0.01				
27	0.03	0.15	0.36	0.17	0.09	0.05	0.03	0.01				
28		0.13	0.29	0.24	0.09	0.06	0.03	0.01				
29	e 0.005	0.11	0.29	0.19		0.05	0.03	0.01				
30		0.11	0.29	0.19		0.05	0.02	0.01				
31			0.29	0.19		0.05		0.01				
	0.558	2.836	6.39	6.93	3.79	1.83	0.94	0.31	0.150	0.062	0.031	0.030
MEAN	0.0180	0.0945	0.206	0.224	0.135	0.059	0.031	0.010	0.005	0.002	0.001	0.001
ACRE-FEET	1.1	5.6	13	14	7.5	3.6	1.9	0.6	0.3	0.1	0.06	0.06

Remarks: e Indicates maximum discharge during period less than 0.01 sec. ft.

YEAR OR PERIOD MEAN 0.0654
ACRE-FEET 48

STATION F287-R
LA TUNA CREEK at Belmont Country Club

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

DRAINAGE AREA: 5.1 SQUARE MILES.

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

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

RECORDER: INSTALLED MARCH 13, 1946 OVER A 21 INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE "L" WEEKLY RECORDER WAS IN SERVICE FROM MARCH 13, 1946 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: MARCH 13, 1946 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 102, SECOND-FEET FOR PERIOD OF RECORD.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 132 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LA TUNA

AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	3/19	1045A / 1050A	DEVORE	2.4	0.32	0.47		0.15		FLOAT	5	-.03	
2	3/30	937A / 946A	WADDICOR	17.6	6.56	1.91	3.23	12.5		.6	7	-.02	FC22
3	3/31	1240P / 1248P	"	6.0	1.97	1.47	3.00	2.9		.6	7	0	"
4	4/3	702A / 710A	"	3.5	0.60	0.83	2.84	0.5		.6	6	0	"

DISCHARGE MEASUREMENTS OF LA TUNA CREEK

AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
5	11-13	1040A / 1050A	TURNER - RILEY	22.0	8.19	1.97	3.26	16.1		.6	10	-.01	FC43
6	11-14	155P / 200P	" "	8.0	2.11	0.90	2.99	1.9		.5	7	0	"
7	11-20	235P / 245P	" "	18.0	5.25	1.31	3.12	6.9		.6	11	0	"
8	11-21	115P / 123P	" "	9.0	1.59	0.53	2.92	0.84		.5	8	0	"
9	11-23	1010A / 1015A	" "	6.0	2.93	1.47	3.09	4.3		.6	5	0	"
10	12-25	1105A / 1125A	TURNER	23.5	18.9	4.33	3.76	82.0		.6	7	-.03	"
11	12-26	905A / 920A	TURNER - RILEY	15.7	5.24	3.15	3.24	16.5		.6	9	0	"
12	1-3	220P / 255P	TURNER	7.0	0.81	0.51	2.80	0.41		.5	6	0	"
13	1-9	220P / 225P	"	5.0	0.38	0.48	2.70	0.18		FLOATS	5	0	

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

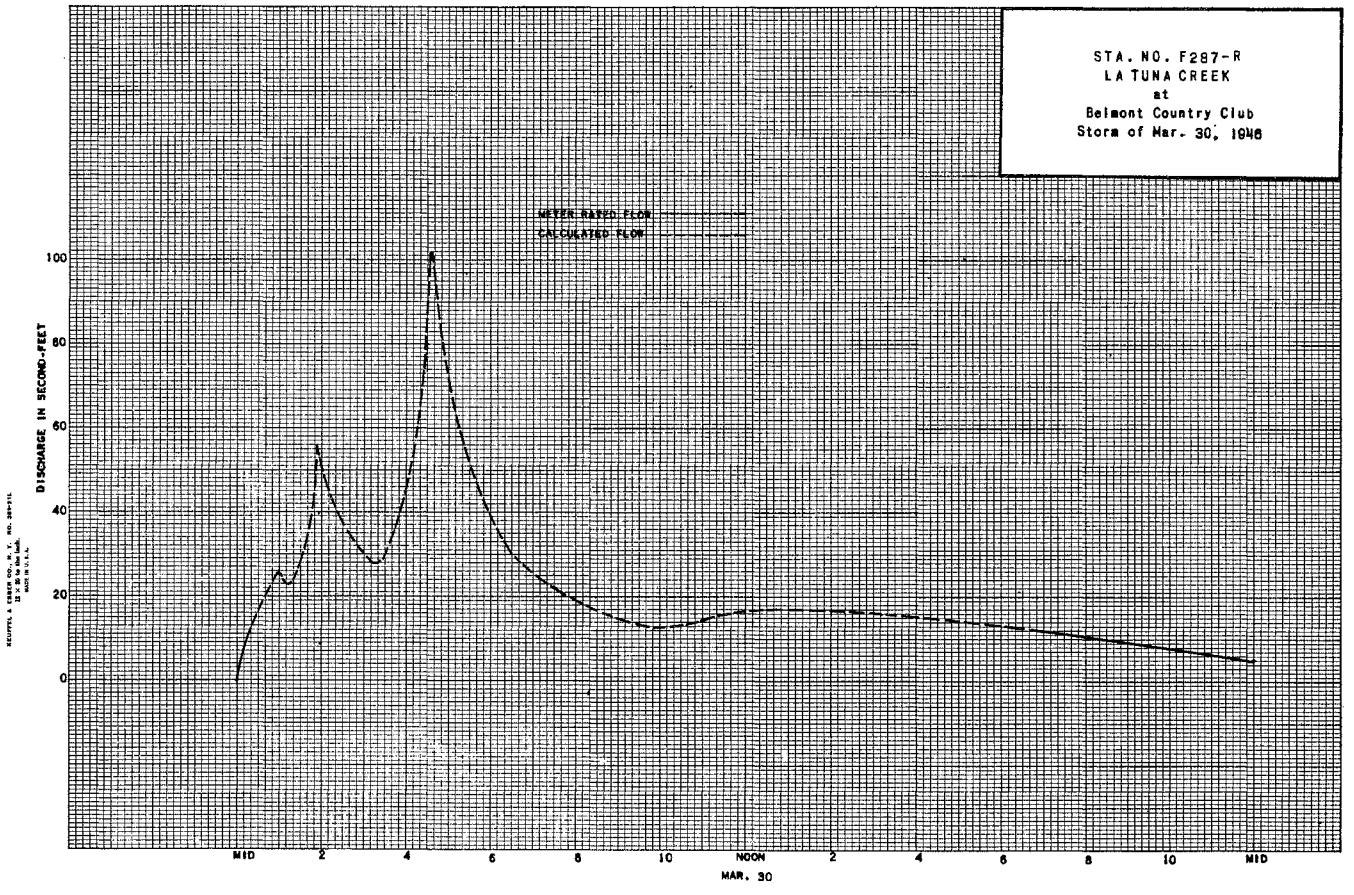
Sta. No. F 287-R

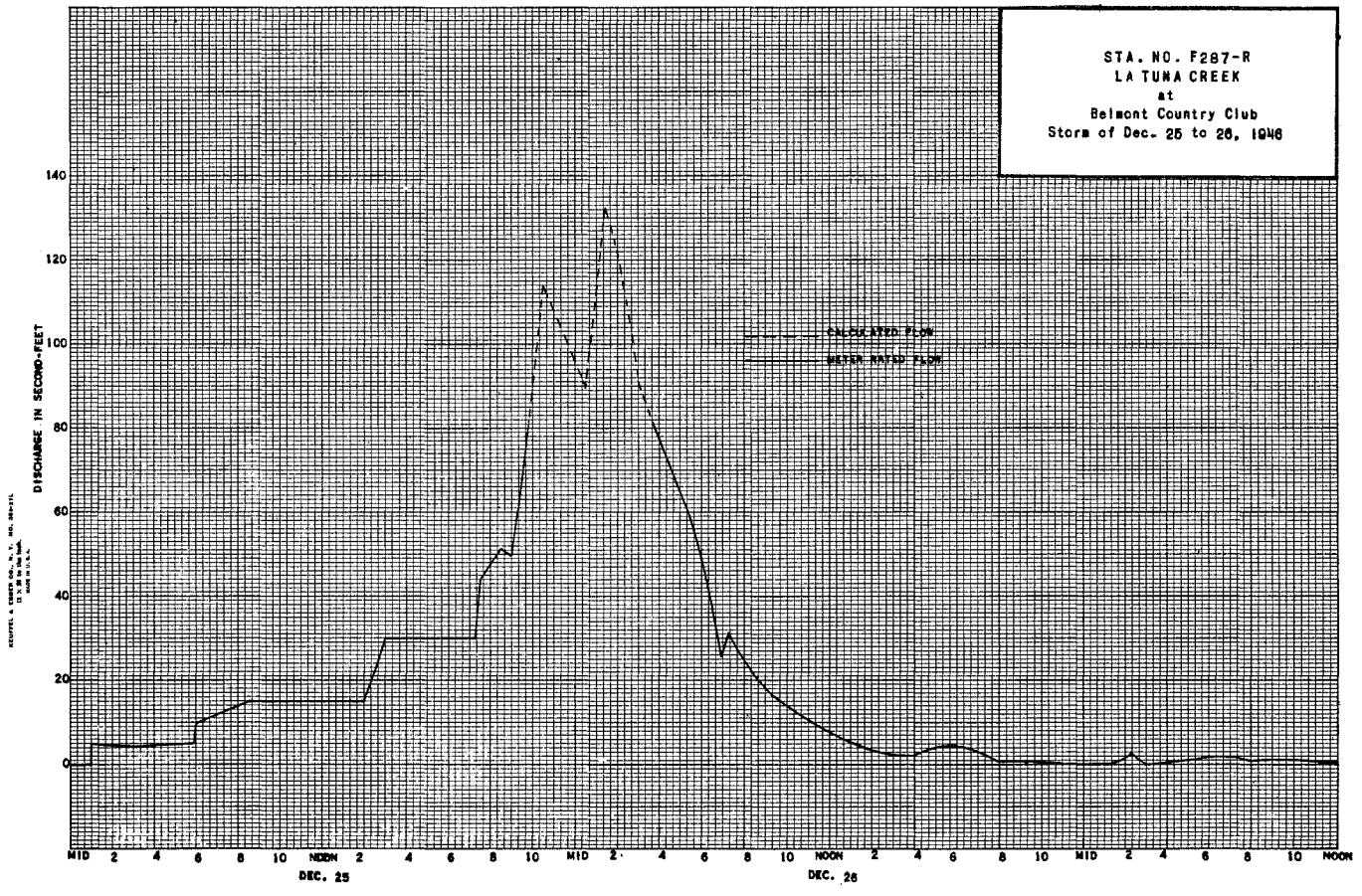
Daily discharge, in second-feet of LA TUNA CREEK at Belmont Country Club, for the year ending September 30, 1947

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	0.4	0	0	0	0	0	0	0	0
4	0	0	0	0.6	0	0	0	0	0	0	0	0
5	0	0	0	0.6	0	0.1	0	0	0	0	0	0
6	0	0	0	0.6	0	0	0	0	0	0	0	0
7	0	0	0	0.5	0	0	0	0	0	0	0	0
8	0	0	0	0.4	0	0	0	0	0	0	0	0
9	0	0	0	0.3	0	0	0	0	0	0	0	0
10	0	0	0	0.2	0	0	0	0	0	0	0	0
11	0	0	0	0.2	0	0	0	0	0	0	0	0
12	0	0	0	0.2	0	0	0	0	0	0	0	0
13	0	3.2	0	0.1	0	0	0	0	0	0	0	0
14	0	5.7	0	0.1	0	0	0	0	0	0	0	0
15	0	+	0	+	0	0	0	0	0	0	0	0
16	0	0.	0	0	0	0	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	5.3	0	0	0	0	0	0	0	0	0	0
21	0	0.4	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	2.3	0	0	0	0	0	0	0	0	0	0
24	0	1.2	0	0	0	0	0	0	0	0	0	0
25	0	0.2	2.7	0	+	0	0	0	0	0	0	0
26	0	0	2.9	0	0.1	0	0	0	0	0	0	0
27	0	0	0.4	0	0	0	0	0	0	0	0	0
28	0	0	0.1	0.3	0	0	0	0	0	0	0	0
29	0	0	0	+		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0		
	0	18.3	5.65	4.5	0.1	0.1	0	0	0	0	0	0
MEAN	0	0.61	1.82	0.15	+	+	0	0	0	0	0	0
ACRE-FEET	0	36.3	112	8.9	0.2	0.2	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.22
ACRE-FEET 158


STA. NO. F287-R
LA TUNA CREEK
at
Belmont Country Club
Storm of Mar. 30, 1946
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
MAR. 30


STA. NO. F287-R
LA TUNA CREEK
at
Belmont Country Club
Storm of Dec. 25 to 26, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
20
40
60
80
100
120
140
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
DEC. 25
DEC. 26

STATION F149-R
LIMEKILN WASH at Devonshire Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°15'27", LONG. 118°33'29", ON THE LEFT (EAST) ABUTMENT OF A CONCRETE, DOUBLE BOX CULVERT UNDER DEVONSHIRE AVENUE ABOUT 2¼ MILES EAST OF CHATSWORTH. ELEVATION OF GATE ABOUT 970 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM TOP OF 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

RECORDS AVAILABLE: NOVEMBER 9, 1939 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 93 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 33 SECOND-FEET, DECEMBER 25.
MINIMUM NO FLOW MOST OF YEAR.
1939-1947
MAXIMUM 318 SECOND-FEET, FEBRUARY 17, 1941.
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 LIMEKILN WASH

AT ~~NEAR~~ Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
105	12/22	248A / 255A	DEVORE	5.6	3.84	3.52	0.60	13.5		.6	4	0	FC42
106	12/23	441P / 449P	"	5.0	0.50	2.00	0.46	1.0		FLOAT	7	0	
107	12/27	313P / 317P	"	1.6	0.12	1.00	0.39	0.12		"	2	0	
108	1/2	135P / 139P	"	1.3	0.07	0.43	0.34	0.03		"	4	0	
109	3/20	107P / 113P	"	3.5	0.31	1.35	0.28	0.42		"	5	0	
110	3/30	707A / 715A	WADDICOR	4.4	1.81	2.71	0.42	4.9		.6	5	+05	FC22
111	3/30	1117A / 1124A	"	4.3	0.82	1.59	0.39	1.3		.6	5	0	"
112	3/31	155P / 200P	"	1.8	0.18	0.56	0.29	0.10		.6	3	0	"

DISCHARGE MEASUREMENTS OF LIMEKILN WASH

AT ~~NEAR~~ Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
113	11-12	900A / 905A	TURNER	2.5	0.27	0.67	0.17	0.18		.5	4	0	FC13
114	11-13	830A / 840A	TURNER - RILEY	7.0	4.20	3.47	0.64	14.6		.5	S	-.01	FC43
115	11-14	1130A / 1135A	TURNER	2.0	0.30	0.50	0.09	0.15		.5	4	0	"
116	11-20	1018A / 1023A	TURNER - RILEY	5.0	1.28	1.95	0.26	2.5		.5	5	0	"
117	12-26	1245P / 1250P	TURNER	5.0	1.62	2.96	0.44	4.8		.5	5	0	"
118	12-31	1220P / 1223P	"	1.0	0.10	1.10	0.16	0.1		SURF FLOAT	2	0	
119	1-29	435P / 440P	"	2.0	0.05	0.20	0.10	0.01		"	2	0	
120	2-27	1020A / 1023A	"	1.0	0.08	1.00	0.16	0.08		"	1	0	

F. C. Dist. Form 93 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F149-R

Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Avenue for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	+	+	0	f 0.9	+				
2	0	0	0	+	+	0	f 0.7	+				
3	0	0	0	+	1.4	0	f 0.5	0				
4	0	0	0	+	0.5	0	0.2	0				
5	0	0	0.1	+	+	0	0.3	0				
6	1.9	0	0	0	0	0	+	0				
7	0	1.3	0	+	0	0	+	0				
8	1.0	2.4	0	+	0	0	+	0				
9	0	0	0	+	0	0	+	+				
10	0	0	0	+	0	0	+	0				
11	0	1.2	+	+	0	+	+	0				
12	0	0.1	+	0	0	0.5	+	0				
13	0	0	0	0	0	0.5	+	0				
14	0	0	0	0	0	+	+	0				
15	0	0	0	0	0	0.2	+	+				
16	0	0	0	0	0	0.4	+	+				
17	0	0	+	0	0	+	+	+				
18	0	0	0	0	0	+	+	+				
19	0	0	+	0	0	1.0	+	+				
20	0	0	0.1	0	0	+	+	+				
21	0	0	1.1	0	0	+	+	+				
22	0	0	1.2	0	0	0	+	+				
23	0	0	5.2	0	0	0	+	+				
24	0	0	+	0	0	0	+	+				
25	0	0	0.9	0	0	0	+	+				
26	0	0	0.3	0	0	+	+	+				
27	0	0	f 0.1	0	0	+	+	+				
28	0	0	d +	0	0	1.2	+	0				
29	0	0	d +	0		2.4	+					
30	0	0	d +	0		3.8	+					
31	0		d +	0		0.3						
	2.9	5.0	29.7	+	1.9	10.3	2.6	+				
MEAN	0.09	0.17	0.96	+	0.07	0.33	0.09	+				
ACRE-FEET	5.8	9.9	59.	+	3.8	20.	5.2	+				

Recorder stopped for Summer May 29, 1946

Recorder stopped for Summer

Recorder stopped for Summer

Recorder stopped for Summer

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

YEAR OR PERIOD MEAN 0.14
ACRE-FEET 104.

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

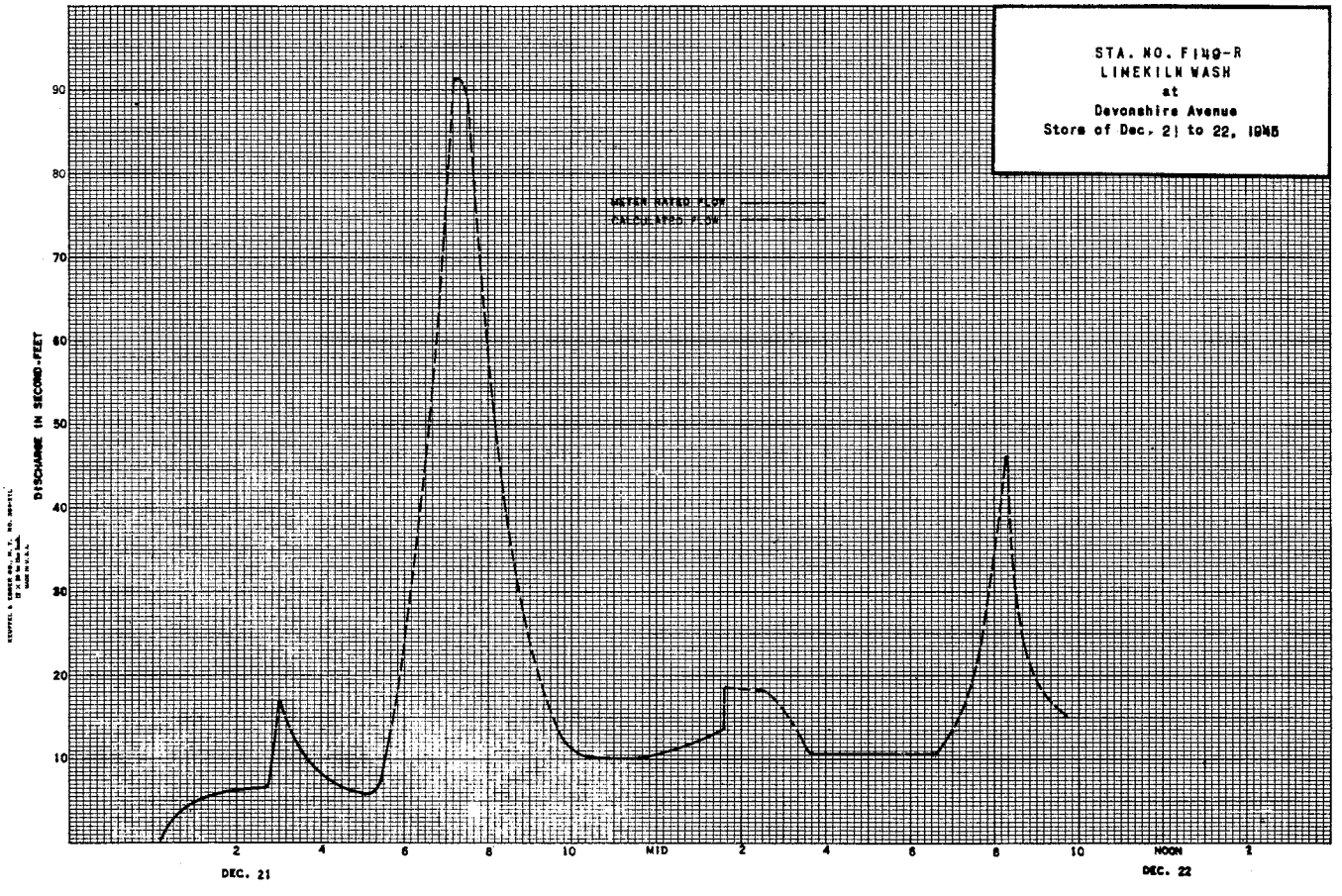
Sta. No. F 149 - R

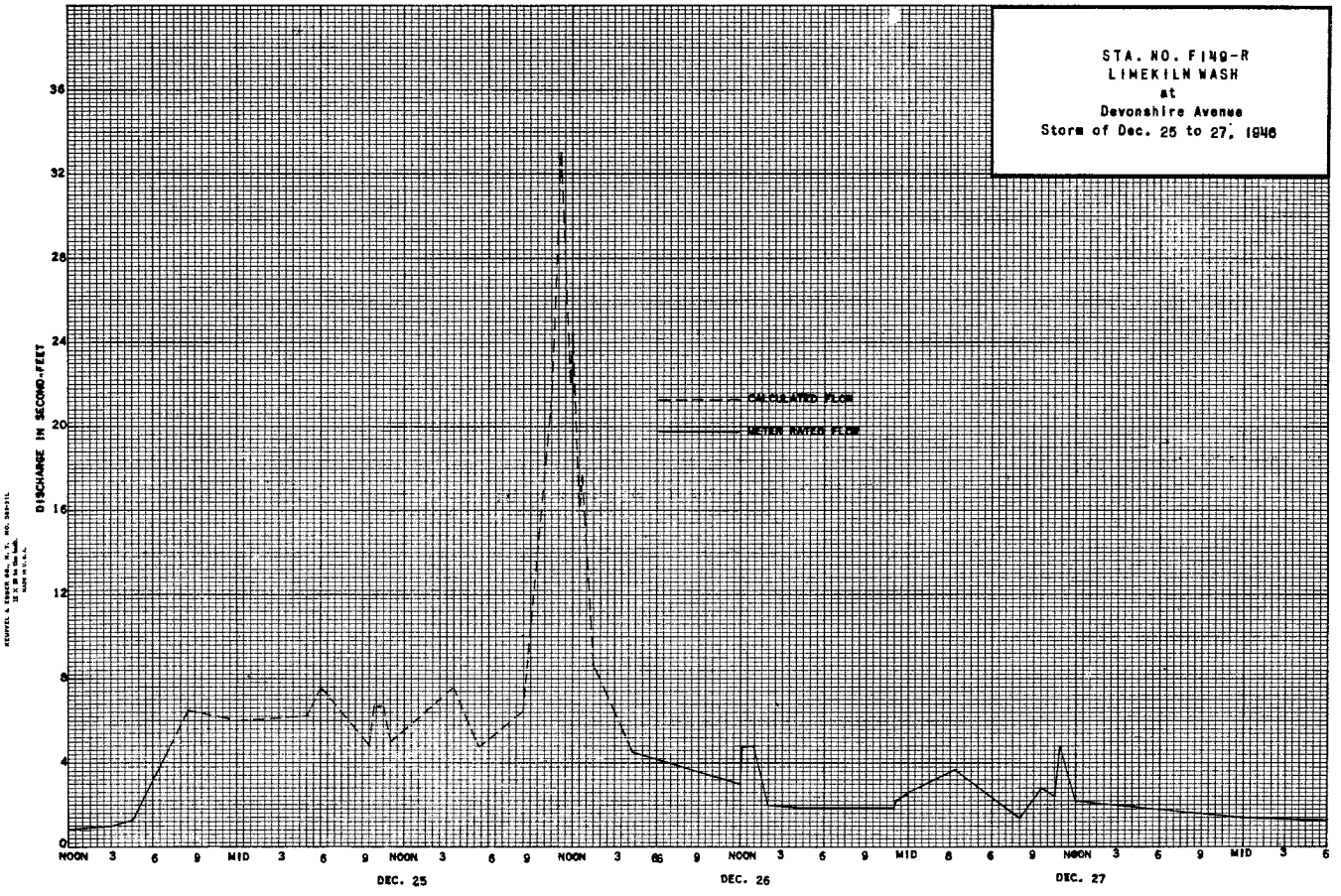
Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Avenue for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	0	+	0	0	0	0	0	0
2	0	0	0	0.2	0	+	0	0	0	0	0	0
3	0	0	0	0.1	0	0	+	0	0	0	0	0
4	0	0	0	0.1	0	0	0.3	0	0	0	0	0
5	0	0	0	0	0	0.5	0	+	0	0	0	0
6	0	0.1	2.1	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0.6	0	0	0	0	0	0	0
10	0	0.2	0	0	0.1	0	0	0	0	0	0	0
11	0	0.1	0	0	0	0	0	0	0	0	0	0
12	0	0.3	0	0	0	0	0	0	0	0	0	0
13	0	5.4	0	0	0	0	0	0	0	0	0	0
14	0	1.2	0	0	0	0	0	0	0	0	0	0
15	0.4	0	0	0	0	0	0	0	0	0	0	0
16	1.4	0	0	0	0	0	0	0	0	0	0	0
17	0.9	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	0.2	1.4	0	0	0	+	0	0	0	0	0	0
21	0.2	0.1	0.4	0	0	+	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	6.1	0	0	0	0	0	0	0	0	0	0
24	0	0.3	1.8	0	0	0	0	0	0	0	0	0
25	0	0.6	8.1	0	+	0	0	0	0	0	0	0
26	0	0.4	4.1	0	0.1	0	0	0	0	0	0	0
27	0	0	2.2	0.1	+	+	0	0	0	0	0	0
28	0	0	1.3	1.4	+	1.9	+	0	0	0	0	0
29	0	0	0.6	0.1	+	0	0.3	0	0	0	0	0
30	0	0	0.1	0		0	0.3	0	0	0	0	0
31	0			0		0		0		0	0	
	3.1	16.2	20.7	2.3	0.8	2.4	0.9		0	0	0	0
MEAN	0.10	0.54	0.67	0.07	0.03	0.08	0.03	+	0	0	0	0
ACRE-FEET	6.1	32	41	4.6	1.6	4.8	1.8	*	0	0	0	0

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

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 91.9





STATION F65B-R
LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'05", LONG. 117°50'07", ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 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 WIGH 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, 1945 TO SEPTEMBER 30, 1947.

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, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 111 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1946-1947
MAXIMUM 57. SECOND-FEET, NOVEMBER 20.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-1947
MAXIMUM 960 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
379	12/22	948A / 1000A	BREWSTER	20.0	12.8	6.57	0.90	84.1		.6	5	0	FC12
380	12/22	318P / 330P	"	16.0	8.30	2.92	0.88	24.2		.6	5	0	FC12
381	12/23	1147A / 1159A	"	18.0	9.80	3.51	0.89	34.4		.6	5	0	"
382	12/24	1220P / 1230P	"	8.0	3.20	1.94	0.65	6.2		.6	4	0	"
383	12/26	1030A / 1040A	"	8.0	2.60	1.00	0.28	2.6		.6	4	0	"
384	1/2	1030A / 1040A	"	4.0	1.55	1.16	0.20	1.8		.6	4	0	"
385	1/9	1140A / 1150A	"	4.0	1.10	0.85	0.17	0.94		.6	4	0	"
386	1/16	1120A / 1130A	"	5.0	1.50	0.46	0.17	0.69		.6	5	0	"
387	1/23	1020A / 1030A	"	4.0	1.06	0.63	0.16	0.67		.6	4	0	"
388	1/30	908A / 917A	"	4.0	1.10	0.46	0.14	0.51		.6	4	0	"
389	2/3	443P / 455P	"	12.0	3.60	1.86	0.46	6.7		.6	6	-.01	"
390	2/4	1030A / 1040A	"	5.0	1.50	0.93	0.21	1.4		.6	5	0	"
391	2/6	1033A / 1045A	"	5.0	1.32	0.59	0.18	0.78		.6	5	0	"
392	2/13	855A / 905A	"	5.0	1.26	0.54	0.15	0.68		.6	5	0	"
393	2/20	940A / 950A	"	4.0	1.00	0.53	0.14	0.53		.6	4	0	"
394	2/27	907A / 915A	"	4.0	0.98	0.41	0.14	0.40		.6	4	0	"
395	3/6	950A / 958A	"	3.0	0.85	0.42	0.13	0.36		.6	3	0	"
396	3/13	927A / 935A	"	3.0	0.76	0.54	0.13	0.41		.6	3	0	"
397	3/19	1250P / 100P	"	4.0	1.49	0.66	0.18	0.99		.6	4	0	"
398	3/20	932A / 940A	"	3.0	0.87	0.94	0.17	0.82		.6	3	0	"
399	3/27	854A / 902A	"	3.0	0.77	0.61	0.13	0.47		.6	3	0	"
400	3/30	942A / 954A	BREWSTER COOLEY	12.0	5.20	3.13	0.71	16.3		.6	6	0	"
401	3/30	226P / 240P	BREWSTER COOLEY	13.0	6.75	2.95	0.74	19.9		.6	7	-.01	"
402	3/31	1011A / 1025A	BREWSTER COOLEY	12.0	3.52	1.56	0.54	5.5		.6	6	-.01	FC12
403	4/3	816A / 830A	BREWSTER	12.0	2.64	1.17	0.35	3.1		.6	6	0	"
404	4/10	800A / 810A	"	4.0	1.48	1.01	0.24	1.5		.6	4	0	"
405	4/17	1020A / 1030A	"	5.0	1.42	0.85	0.19	1.2		.6	5	0	"
406	4/24	754A / 800A	"	4.0	1.06	0.75	0.17	0.80		.6	4	0	"
407	5/1	1000A / 1010A	"	4.0	1.02	0.66	0.15	0.67		.6	4	0	"
408	5/8	802A / 810A	"	4.0	0.90	0.54	0.14	0.49		.6	4	0	"
409	5/15	900A / 910A	"	4.0	0.98	0.51	0.14	0.50		.6	4	0	"
410	5/22	800A / 808A	"	4.0	0.96	0.52	0.14	0.50		.6	4	0	"
411	5/29	758A / 806A	"	4.0	0.90	0.38	0.13	0.34		.6	4	0	"
412	6/6	905A / 915A	"	4.0	0.86	0.24	0.05	0.21		.6	4	0	"
413	6/12	902A / 910A	"	1.5	0.46	0.39	0.05	0.18		.6	3	0	"
414	6/19	800A / 805A	"	1.0	0.23	0.43	0.05	0.10		.6	2	0	"
415	6/26	900A / 905A	"	1.0	0.12	0.50	0.03	0.06		.6	2	0	"
416	7/3	803A / 808A	"	1.0	0.14	0.71	0.06	0.10		.6	2	0	"

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK

~~NEAR~~ above mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
417	11-12	758A / 802A	BREWSTER	2.0	0.28	0.79	0.12	0.22		.6	2	0	FC12
418	11-12	100P / 105P	"	3.0	0.44	2.07	0.27	0.91		.6	3	0	"
419	11-13	1202P / 1210P	BREWSTER - VINES	6.0	1.85	2.92	0.45	5.4		.6	4	0	"
420	11-14	1107A / 1115A	" "	3.0	1.31	1.15	0.37	1.5		.6	3	0	"
421	11-15	314P / 320P	BREWSTER	3.0	0.99	0.84	0.24	0.83		.6	3	0	"
422	11-20	1100A / 1110A	BREWSTER - VINES	12.0	10.3	5.04	0.99	51.9		.6	5	-.02	"
423	11-20	310P / 320P	" "	10.0	6.20	2.60	0.84	16.1		.6	5	-.02	"
424	11-21	135P / 145P	BREWSTER	10.0	3.00	1.17	0.49	3.5		.6	5	0	"
425	11-23	1120A / 1130A	"	12.0	4.80	2.08	0.64	10.0		.6	5	0	"
426	11-24	1005A / 1015A	"	10.0	2.80	1.25	0.50	3.5		.6	5	0	"
427	11-27	935A / 945A	"	4.0	1.26	1.11	0.36	1.4		.6	4	0	"
428	12-4	932A / 940A	"	4.0	1.06	0.70	0.25	0.74		.6	4	0	"
429	12-11	935A / 945A	"	4.0	0.92	0.71	0.22	0.65		.6	4	0	"
430	12-18	920A / 930A	"	4.0	0.78	0.60	0.20	0.47		.6	4	0	"
431	12-26	950A / 1000A	BREWSTER - VINES	10.0	4.00	1.52	0.61	6.1		.6	5	0	"
432	12-27	145P / 155P	" "	11.0	5.00	2.14	0.70	10.7		.6	6	0	"
433	1-2	135P / 145P	BREWSTER	6.0	2.20	1.18	0.42	2.6		.6	6	0	"
434	1-8	930A / 940A	"	5.0	1.68	0.89	0.36	1.5		.6	5	0	"
435	1-15	850A / 900A	"	5.0	1.42	0.77	0.31	1.1		.6	5	0	"
436	1-22	920A / 930A	"	5.0	1.32	0.73	0.25	0.96		.6	5	0	"
437	1-29	918A / 930A	"	5.0	1.50	0.80	0.33	1.2		.6	5	0	"
438	2-5	800A / 812A	"	5.0	1.24	0.72	0.22	0.89		.6	5	0	"
439	2-11	910A / 920A	"	5.0	1.04	0.67	0.25	0.70		.6	5	0	"
440	2-19	855A / 905A	"	5.0	1.10	0.69	0.25	0.76		.6	5	0	"
441	2-27	810A / 820A	"	5.0	1.16	0.64	0.20	0.74		.6	5	0	"
442	3-6	1045A / 1055A	"	5.0	1.14	0.49	0.23	0.56		.6	5	0	"
443	3-13	805A / 817A	"	5.0	1.06	0.50	0.18	0.53		.6	5	0	"
444	3-20	805A / 815A	"	5.0	1.02	0.63	0.19	0.64		.6	5	0	"
445	3-27	920A / 930A	"	5.0	1.00	0.55	0.16	0.55		.6	5	0	"
446	4-3	840A / 850A	"	5.0	0.96	0.49	0.18	0.47		.6	5	0	"
447	4-9	1030A / 1035A	"	1.0	0.31	1.32	0.16	0.41		.6	2	0	"
448	4-16	1147A / 1155A	"	1.5	0.36	0.94	0.12	0.34		.6	3	0	"
449	4-24	944A / 950A	"	1.5	0.44	1.09	0.15	0.48		.6	3	0	"
450	4-30	124P / 130P	"	1.0	0.29	0.76	0.12	0.22		.6	2	0	"
451	5-7	1225P / 1230P	"	2.0	0.34	0.41	0.10	0.14		.6	2	0	"
452	5-15	955A / 1000A	"	1.0	0.30	0.77	0.12	0.23		.6	2	0	"
453	5-21	1124A / 1130A	"	1.0	0.26	0.46	0.10	0.12		.6	2	0	"
454	5-29	1208P / 1212P	"	0.5	0.12	0.92	0.10	0.11		.6	1	0	"
455	6-4	1040A / 1045A	"	1.0	0.25	0.36	0.09	0.09		.6	2	0	"
456	6-11	925A / 929A	WADDICOR	0.5	0.07	0.57	0.08	0.04		.6	2	0	FC37

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.6	0.5	0.3	2.8	0.6	0.2	0	0	0
2	0	0	0	1.6	0.4	0.3	4.7	0.6	0.3	0	0	0
3	0	0	0	1.9	3.8	0.3	2.4	0.6	0.3	0	0	0
4	0	0	0	1.6	b 1.9	0.3	1.7	0.6	0.3	0	0	0
5	0	0	0	1.6	1.1	0.3	1.6	0.6	0.2	0	0	0
6	0	0	0	1.2	0.8	0.3	1.6	0.6	0.1	0	0	0
7	0	0	0	1.1	0.8	0.3	1.6	0.5	0.1	0	0	0
8	0	0	0	1.0	0.8	0.2	1.5	0.4	0	0	0	0
9	0	0	0	1.0	0.8	0.2	1.5	0.4	0	0	0	0
10	0	0	0	1.0	0.8	0.3	1.4	0.5	0	0	0	0
11	0	0	0	0.8	0.8	0.3	1.1	0.5	0	0	0	0
12	0	0	0	0.7	0.8	0.3	1.1	0.5	0.1	0	0	0
13	0	0	0	0.7	0.7	0.5	1.1	0.5	0.1	0	0	0
14	0	0	0	0.7	0.6	0.5	1.2	0.5	0.2	0	0	0
15	0	0	0	0.7	0.6	0.4	1.1	0.5	0.2	0	0	0
16	0	0	0	0.7	0.7	0.4	1.2	0.5	0.1	0	0	0
17	0	0	0	0.7	0.6	0.4	1.2	0.5	0	0	0	0
18	0	0	0	0.7	0.5	0.5	1.2	0.5	0.1	0	0	0
19	0	0	0	0.7	0.4	0.8	1.1	0.5	0.1	0	0	0
20	0	0	0	0.7	0.5	1.0	1.1	0.5	0.1	0	0	0
21	0	0	1.8	0.7	0.5	0.8	1.0	0.5	0.1	0	0	0
22	0	0	5.7	0.6	0.5	0.6	1.0	0.5	0.1	0	0	0
23	0	0	2.7	0.6	0.4	0.6	0.7	0.5	0	0	0	0
24	0	0	6.8	0.6	0.4	0.5	0.7	0.4	0	0	0	0
25	0	0	3.2	0.6	0.5	0.5	0.6	0.3	0	0	0	0
26	0	0	2.4	0.5	0.4	0.4	0.6	0.4	0	0	0	0
27	0	0	2.0	0.5	0.4	0.4	0.6	0.4	0	0	0	0
28	0	0	2.0	0.5	0.4	0.8	0.7	0.3	0	0	0	0
29	0	0	1.9	0.5		0.7	0.7	0.2	0	0	0	0
30	0	0	1.7	0.5		1.5	0.6	0.2	0	0	0	0
31	0		1.6	0.5		6.1		0.2		0	0	
	0	0	123.6	26.8	21.4	34.3	39.4	14.3	2.7	0	0	0
MEAN	0	0	3.99	0.86	0.76	1.11	1.31	0.46	0.09	0	0	0
ACRE-FEET	0	0	245.	53.	42.	68.	78.	28.	5.4	0	0	0

Remarks:

YEAR MEAN 0.72
OR
PERIOD ACRE-FEET 519.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

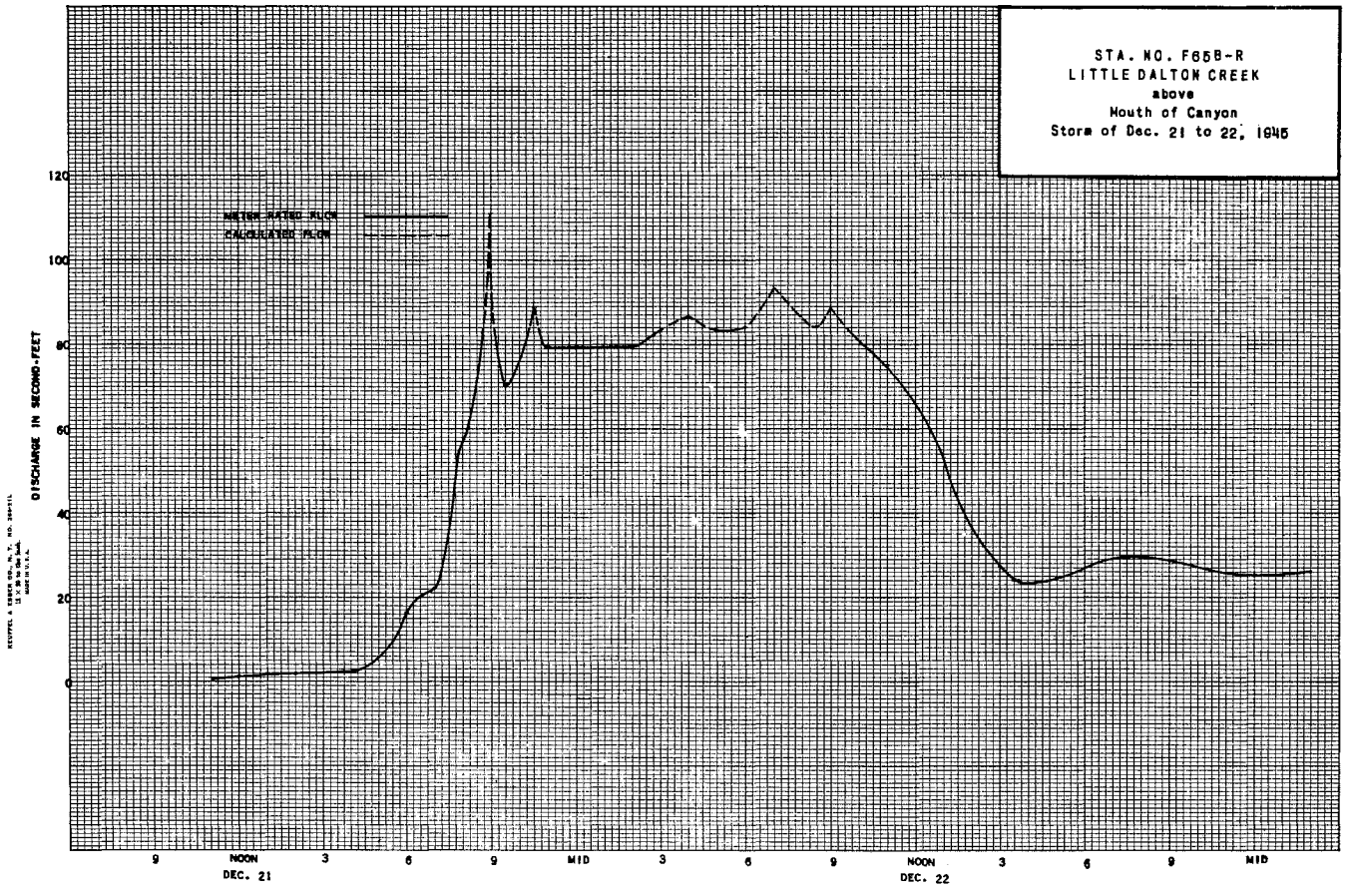
Sta. No. F 65 B-R

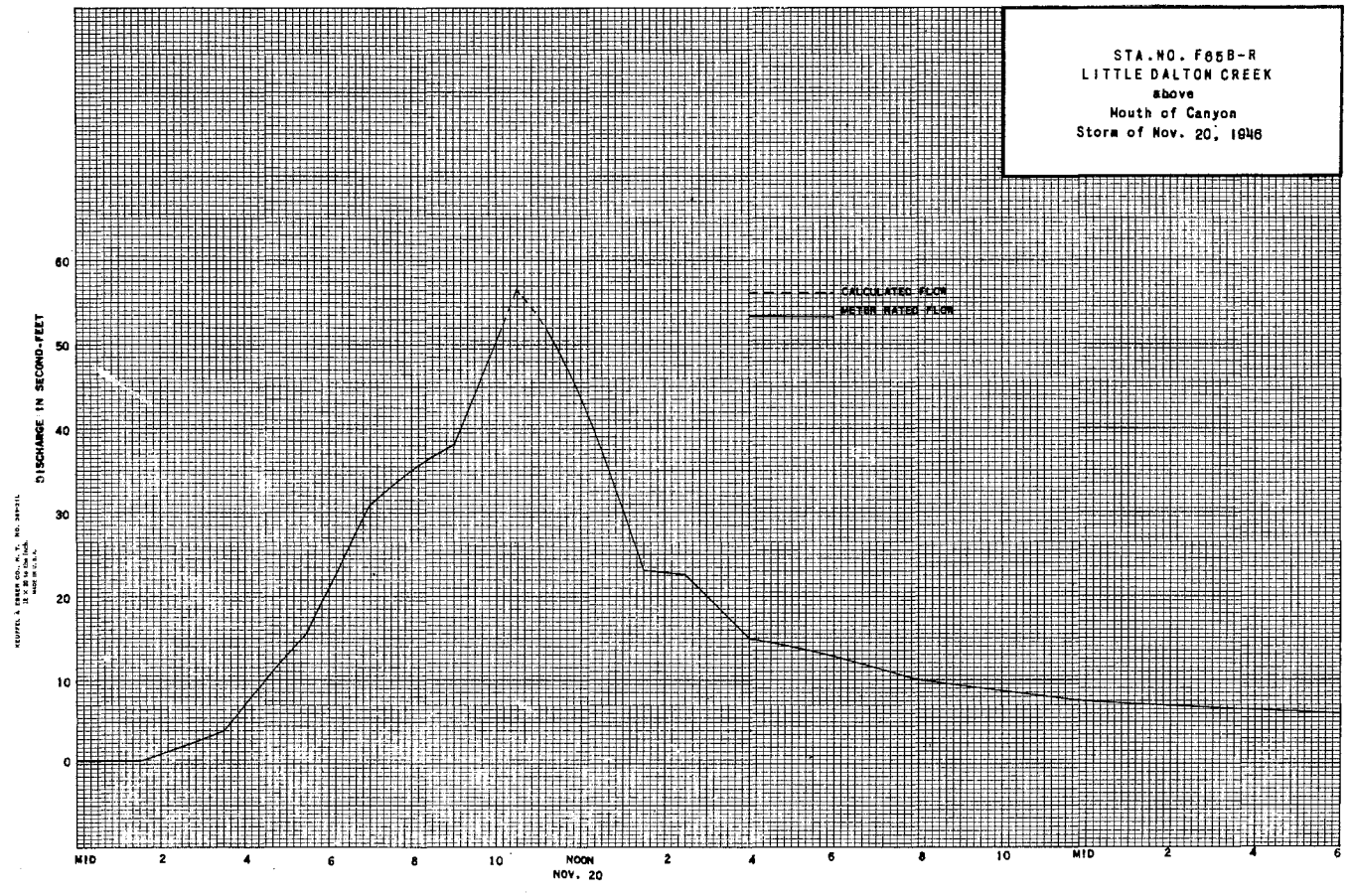
Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.1	3.2	0.6	0.6	0.5	0.1	0.2	0	0	0
2	0	0	1.0	3.0	0.7	0.6	0.5	0.1	0.1	0	0	0
3	0	0	0.8	2.4	0.7	0.6	0.5	0.1	0.1	0	0	0
4	0	0	0.7	2.2	0.7	0.6	0.5	0.1	0.1	0	0	0
5	0	0	0.7	1.9	0.8	0.7	0.5	0.1	0.1	0	0	0
6	0	0	1.2	1.6	0.8	0.5	0.4	0.1	0.1	0	0	0
7	0	0	1.1	1.5	0.8	0.5	0.4	0.2	0	0	0	0
8	0	0	0.8	1.4	0.8	0.5	0.3	0.2	0.1	0	0	0
9	0	0	0.8	1.2	1.1	0.5	0.3	0.2	0.1	0	0	0
10	0	0	0.7	1.2	0.8	0.5	0.3	0.2	0	0	0	0
11	0	0	0.6	1.1	0.6	0.6	0.2	0.2	0	0	0	0
12	0	0.2	0.6	1.0	0.5	0.5	0.1	0.1	0	0	0	0
13	0	b 2.9	0.6	1.0	0.5	0.4	0.2	0.1	0	0	0	0
14	0	1.5	0.5	1.1	0.4	0.4	0.2	0.2	0	0	0	0
15	0	1.0	0.5	1.0	0.4	0.3	0.3	0.2	0	0	0	0
16	0	0.6	0.5	0.7	0.4	0.3	0.3	0.1	0	0	0	0
17	0	0.3	0.5	0.6	0.9	0.4	0.3	0.1	0	0	0	0
18	0	0.2	0.5	0.6	1.1	0.5	0.3	0.1	0	0	0	0
19	0	0.2	0.4	0.8	0.6	0.6	0.4	0.1	0	0	0	0
20	0	19.3	0.4	1.0	0.6	0.6	0.3	0.1	0	0	0	0
21	0	4.6	0.4	0.8	0.5	0.7	0.3	0.1	0	0	0	0
22	0	2.8	0.3	0.8	0.5	0.7	0.3	0.1	0	0	0	0
23	0	6.7	0.3	0.7	0.6	0.6	0.4	0.1	0	0	0	0
24	0	3.6	0.5	0.7	0.6	0.6	0.4	0.1	0	0	0	0
25	0	2.4	4.5	0.6	0.6	0.5	0.4	0.1	0	0	0	0
26	0	1.7	7.8	0.6	0.6	0.4	0.4	0.1	0	0	0	0
27	0	1.4	8.7	0.7	0.7	0.5	0.4	0.3	0	0	0	0
28	0	1.2	7.4	2.4	0.7	1.5	0.4	0.2	0	0	0	0
29	0	1.2	6.0	1.1		0.8	0.4	0.1	0	0	0	0
30	0	1.1	4.6	0.8		0.7	0.3	0.2	0	0	0	0
31	0		3.6	0.7		0.6		0.3		0	0	
	0	52.9	58.1	38.4	18.6	17.8	10.5	4.4	0.9	0	0	0
MEAN	0	1.76	1.87	1.24	0.66	0.57	0.35	0.14	0.03	0	0	0
ACRE-FEET	0	105	115	76	37	35	21	8.7	1.8	0	0	0

Remarks:

YEAR MEAN 0.55
OR
PERIOD ACRE-FEET 400


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Dec. 21 to 22, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
120
100
80
60
40
20
0
9
NOON
DEC. 21
3
6
9
MID
3
6
9
NOON
DEC. 22
3
6
9
MID


STA. NO. F65B-R
LITTLE DALTON CREEK
above
Mouth of Canyon
Storm of Nov. 20, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
60
50
40
30
20
10
0
MID
2
4
6
8
10
NOON
NOV. 20
2
4
6
8
10
MID
2
4
6

STATION LI-R
LITTLE ROCK CREEK above Little Rock Dam

LOCATION: WATER STAGE RECORDER. LAT. 34°27'50", LONG. 118°01'03", ON THE RIGHT (EAST) BANK ABOUT 2 MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK, AND 5 MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE, ABOUT 3,290 FEET.

DRAINAGE AREA: 49.0 SQUARE MILES.

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

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

RECORDER: INSTALLED SEPTEMBER, 1930. WASHED OUT DURING MARCH 2, 1938 STORM. REINSTALLED MARCH 31, 1939. STATION DISMANTLED MAY 20, 1943 AND MOVED ABOUT 500 FEET UPSTREAM OVER A 24" CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1100 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW PART OF YEAR.

1946-1947
MAXIMUM 3180 SECOND-FEET DECEMBER 26.
MINIMUM NO FLOW PART OF YEAR.

1930-1947
MAXIMUM 17,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

NEAR above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
151	10-15	1020A / 1025A	TURNER - HUGHES	12.0	3.16	0.48	3.25	1.5		.5	6	0	FC43
152	11-16	1014A / 1022A	TURNER - LINDSAY	14.0	5.06	0.69	3.38	3.5		.6	8	0	"
153	12-12	1010A / 1020A	TURNER	14.5	5.29	0.53	3.40	2.8		.6	8	0	"
154	12-24	1008A / 1018A	TURNER - PALMER	49.0	42.2	2.88	4.75	118.		.6	13	-.01	"
155	1-14	1230P / 1240P	TURNER - WADDICOR	17.0	6.76	1.18	3.64	8.0		.6	9	0	"
156	1-30	1015A / 1025A	TURNER	16.0	6.16	1.06	3.60	6.5		.6	8	0	"
157	2-25	1100A / 1110A	"	18.0	8.08	1.23	3.69	9.9		.6	9	0	"
158	3-20	1050A / 1105A	"	18.0	8.88	1.28	3.74	11.4		.6	9	0	"
159	3-30	1220P / 1230P	TURNER - WRIGHT	38.0	78.3	7.23	6.25	566.		.6	8	0	"
160	3-30	1230P / 1240P	" "	38.0	78.3	6.99	6.25	547.		.6	8	0	"
161	3-30	130P / 140P	" "	39.0	81.5	8.13	6.45	663.		.6	8	0	"
162	4-9	1030A / 1045A	TURNER	27.0	28.8	2.77	4.50	80.		.6	15	0	"
163	5-3	230P / 245P	"	21.5	15.2	1.88	3.96	29.		.6	11	0	"
164	6-12	1115A / 1120A	LUCE	6.0	3.89	1.00	3.49	3.9		.6	6	0	FC39
165	7-10	610P / 615P	"	5.7	1.89	0.58	3.25	1.1		.6	6	0	"
166	8-9	1040A / 1045A	"	2.5	0.70	0.46	3.16	0.32		.6	5	0	"

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK

NEAR above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
167	10-10	950A / 955A	LUCE	2.5	0.72	0.56	3.21	0.41		.6	5	0	FC39
168	11-1	415P / 425P	"	9.0	4.57	0.46	3.42	2.1		.6	5	0	"
169	11-14	410P / 422P	"	21.5	16.8	1.83	4.00	30.8		.6	11	0	"
170	11-20	300P / 330P	LUCE - WRIGHT	38.0	76.2	5.97	5.97	455.		.6	8	4.02	FC41
171	11-20	410P / 425P	" "	38.0	81.7	6.31	5.99	516.		.6	8	-.02	"
172	11-22	350P / 400P	" "	24.0	21.7	2.50	4.25	54.4		.6	12	0	FC39
173	12-19	1030A / 1038A	LUCE	17.5	12.2	1.37	3.78	16.8		.6	9	0	"
174	12-28	100P / 115P	LUCE - WRIGHT	50.5	58.3	3.56	5.08	207.		.6	14	0	"
175	12-28	115P / 130P	" "	50.5	58.7	3.67	5.08	215.		.6	14	0	"
176	1-3	125P / 135P	LUCE	25.0	23.9	2.24	4.34	53.6		.6	9	0	"
177	1-16	855A / 910A	LUCE	23.0	15.4	1.22	4.01	18.8		.6	10	0	"
178	1-32	1025A / 1035A	"	21.5	14.4	1.11	4.01	16.0		.6	9	0	"
179	2-21	140P / 155P	"	18.5	12.3	0.90	3.87	11.1		.6	9	0	"
180	3-13	240P / 250P	"	18.0	10.6	0.90	3.81	9.6		.6	9	0	"
181	4-4	1240P / 1250P	"	18.5	12.0	1.30	3.94	15.6		.6	8	0	"
182	4-18	350P / 400P	"	17.5	10.5	1.11	3.87	11.6		.6	8	0	"
183	5-1	915A / 930A	"	17.0	9.09	0.90	3.79	8.2		.6	9	0	"
184	5-15	105P / 115P	"	15.7	7.87	0.65	3.71	5.1		.6	7	0	"
185	6-4	415P / 425P	"	12.0	4.60	0.63	3.64	2.9		.6	6	0	"
186	7-10	1020A / 1025A	"	1.8	0.28	0.64	3.30	0.18		.6	3	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 1-1-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	8.3	a 3.1	15	6.6	9.1	85	32	6.9	2.0	0.6	0.02
2	0.2	5.6	3.1	13	6.3	8.7	72	30	6.6	1.9	0.6	0.02
3	0.2	4.0	3.0	13	12	8.7	68	30	6.3	2.0	0.5	0.02
4	0.2	3.4	3.0	12	11	8.7	76	27	5.6	1.8	0.4	0.02
5	0.2	3.2	3.0	11	11	8.3	85	24	5.3	1.6	0.4	0.01
6	0.7	3.2	3.0	11	9.1	7.9	90	22	5.3	1.4	0.4	0.01
7	4.5	3.8	2.9	10	8.7	7.5	94	21	5.0	1.4	0.3	0.01
8	5.3	4.7	2.9	10	8.7	7.5	78	20	5.0	1.4	0.3	0.01
9	4.7	4.7	2.9	9.1	8.3	7.2	82	20	4.4	1.4	0.3	0
10	3.0	4.2	2.9	9.1	8.3	6.9	94	19	4.4	1.3	0.3	0
11	1.9	4.2	2.8	8.7	9.1	6.9	106	19	4.0	1.3	0.2	0
12	1.8	3.8	a 2.8	6.1	9.1	6.9	111	17	3.8	1.2	0.2	0
13	1.4	3.8	2.8	8.7	8.7	7.2	104	16	3.6	1.2	0.2	0
14	1.3	3.6	2.6	7.9	8.7	8.3	101	16	3.2	1.2	0.2	0
15	1.3	3.6	2.6	7.5	9.1	7.5	107	15	2.8	1.0	0.1	0
16	1.8	a 3.5	2.8	7.5	9.6	7.2	112	14	2.6	0.8	0.1	0
17	1.4	3.5	2.8	7.2	9.1	7.2	119	14	2.8	0.8	0.1	0
18	1.3	3.4	2.8	7.2	9.1	6.9	114	13	2.6	2.0	0.1	0
19	1.2	3.4	2.8	7.2	9.6	13	104	12	2.6	5.6	0.1	0
20	1.0	3.4	2.8	7.5	9.6	12	92	12	2.6	5.3	0.1	0
21	1.0	3.4	117	7.5	9.6	10	78	11	2.4	3.6	0.1	0
22	0.8	3.3	604	7.2	10	10	64	11	2.4	2.2	0.06	0
23	0.8	3.3	358	7.2	10	14	56	11	2.6	1.9	0.08	0
24	0.8	3.3	118	6.9	10	19	53	10	2.6	1.9	0.05	0
25	0.8	3.3	60	6.9	10	19	54	10	2.8	2.2	0.03	0
26	1.0	3.2	41	6.6	9.6	17	52	10	2.8	1.8	0.03	0
27	1.0	3.2	31	6.6	9.1	17	48	10	2.6	1.2	0.03	0
28	1.2	3.2	25	6.3	9.1	18	44	9.1	2.6	1.0	0.03	0
29	2.0	3.2	21	6.3		20	39	8.3	2.4	0.8	0.03	0
30	15	a 3.1	18	6.3		370	35	7.2	2.4	0.7	0.03	0
31	15		16	6.3		170		6.9		0.7	0.03	
	73.0	113.8	1466.4	262.8	259.1	847.6	2417	497.5	111.0	54.6	6.02	0.12
MEAN	2.35	3.79	47.3	8.48	9.25	27.3	80.6	16.0	3.70	1.76	0.19	.004
ACRE-FEET	145.	226.	2,910.	521.	514.	1,680	4,790.	987.	220.	108.	12.	.23

Remarks:

YEAR OR PERIOD MEAN 16.7
ACRE-FEET 12,150.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

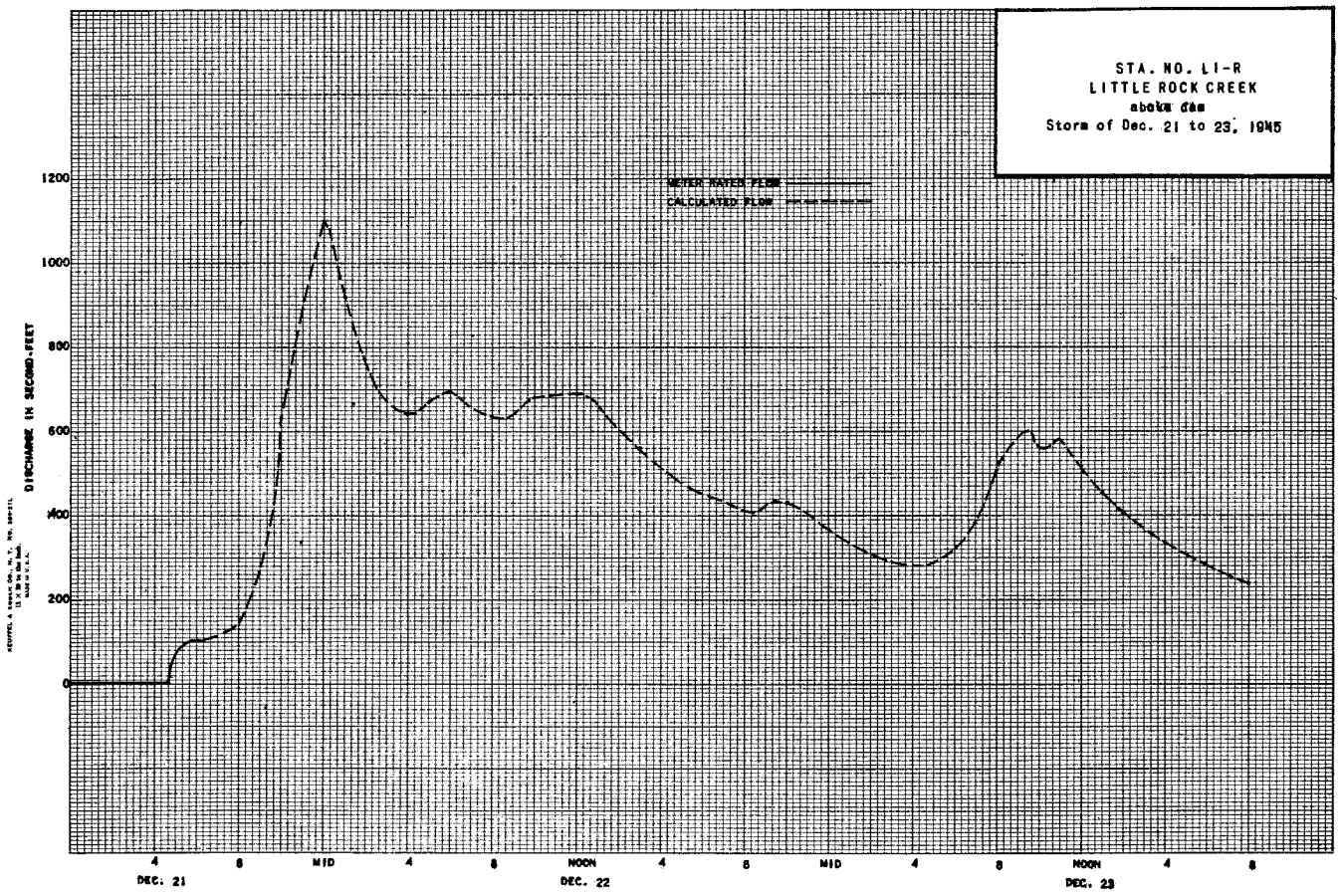
Sta. No. 1-1-R

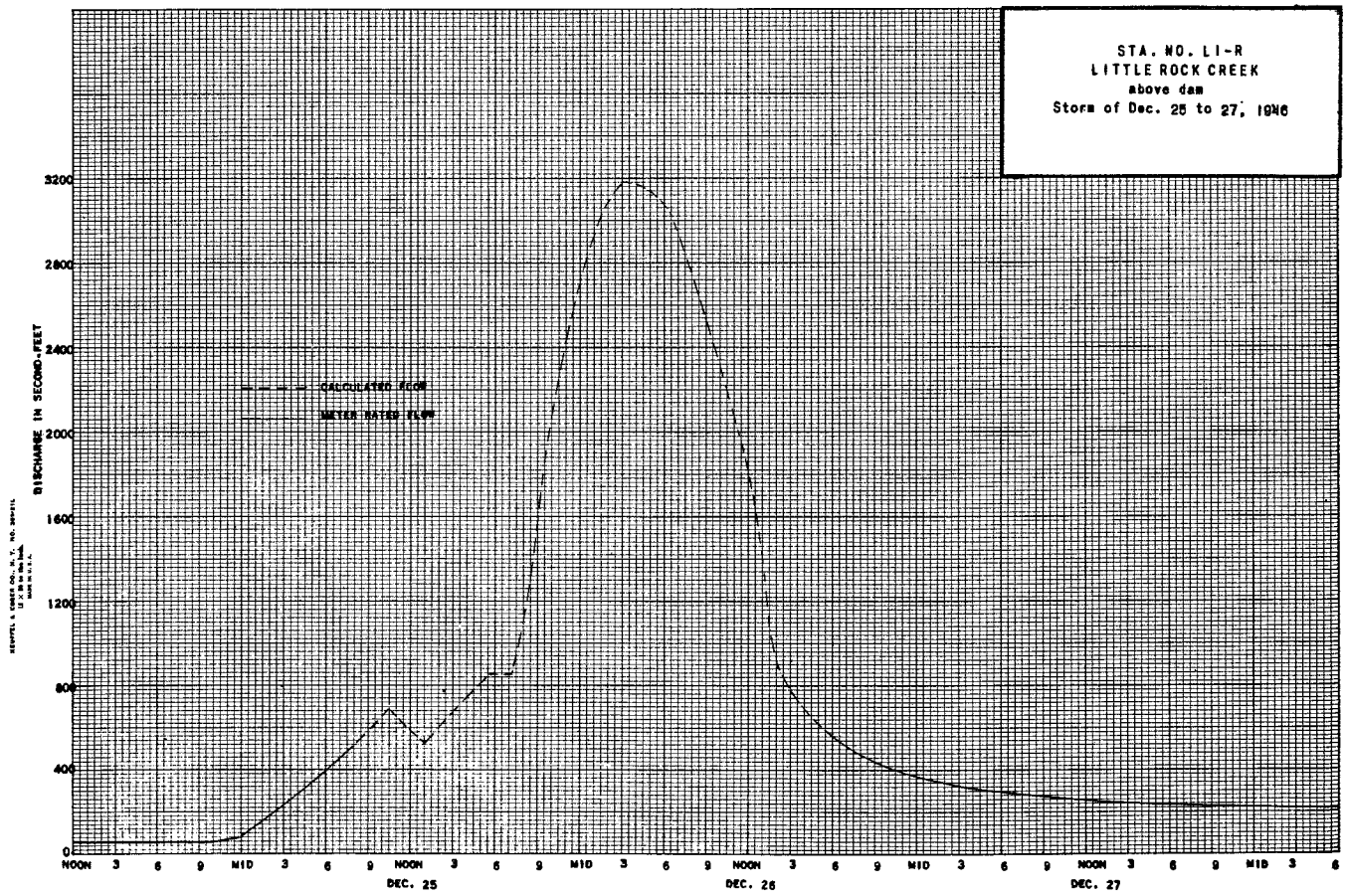
Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	2.2	44	82	16	11	19	8.3	3.8	0.1	b 0.1	b 0
2	0	2.0	41	68	16	11	17	7.5	3.6	0.1	0.1	0
3	0	1.6	39	54	16	10	16	6.9	3.6	0.1	0.1	0
4	0	1.4	42	51	16	10	16	6.6	3.4	0.1	0.1	0
5	0	1.6	44	49	16	10	14	6.8	3.4	0.1	0.1	0
6	0	1.4	57	44	15	10	13	5.6	3.2	0.1	0.1	0
7	0	1.4	55	40	15	10	13	5.6	2.8	0.1	0.1	0
8	0.1	1.8	45	38	14	10	12	5.6	2.8	0.2	0.1	0
9	0.2	1.9	37	35	14	10	12	5.6	2.6	0.2	0.1	0
10	0.4	1.9	32	31	14	10	11	5.6	2.0	0.2	0.1	0
11	0.4	2.4	27	29	14	10	11	5.0	1.7	0.2	0.1	0
12	0.4	8.5	24	27	13	10	10	5.6	1.6	0.2	0.1	0
13	0.4	78	23	26	13	10	11	5.3	1.4	0.2	0.1	0
14	0.4	37	22	24	13	10	11	5.0	1.2	0.2	0.1	0
15	0.4	20	21	23	13	10	11	5.0	0.8	0.2	0	0
16	0.4	15	20	22	12	10	11	5.3	0.7	0.2	0	0
17	0.5	14	19	21	12	10	12	4.7	0.6	0.2	0	0
18	0.8	15	15	20	12	10	12	4.4	0.6	0.2	0	0
19	0.7	16	17	20	11	11	12	4.2	0.5	0.2	0	0
20	0.8	225	16	19	11	13	12	4.2	0.4	0.2	0	0
21	0.8	117	16	19	11	26	12	4.2	0.4	0.2	0	0
22	0.8	63	15	19	11	23	12	4.0	0.3	0.2	0	0
23	1.0	425	16	18	11	20	12	3.6	0.2	0.2	0	0
24	0.8	188	50	18	11	20	11	3.4	0.2	0.2	0	0
25	0.7	89	780	18	11	18	11	3.2	0.2	0.2	0	0
26	0.7	60	1740	17	11	17	11	3.0	0.2	0.2	0	0
27	0.8	54	269	17	11	17	11	3.4	0.2	0.2	0	0
28	1.4	52	202	17	11	22	10	4.0	0.2	0.1	0	0
29	4.0	50	150	17		27	9.6	4.0	0.2	b 0.1	0	0
30	3.4	48	117	16		23	9.1	3.6	0.2	b 0.1	0	b 0
31	2.8		95	16		20		3.8		b 0.1	b 0	
	23.1	1594.1	4090	914	364	439	364.7	153.0	43.0	5.1	1.4	0
MEAN	0.75	53.1	132	29.5	13.0	14.2	12.2	4.94	1.43	0.16	0.05	0
ACRE-FEET	46	3,160	8,110	1,810	722	871	723	303	85	10	2.8	0

Remarks:

YEAR OR PERIOD MEAN 21.9
ACRE-FEET 15,840


STA. NO. LI-R
LITTLE ROCK CREEK
above dam
Storm of Dec. 21 to 23, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
4
8
MID
4
8
NOON
4
8
MID
4
8
NOON
4
8
DEC. 21
DEC. 22
DEC. 23


STA. NO. LI-R
LITTLE ROCK CREEK
above dam
Storm of Dec. 25 to 27, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
3200
2800
2400
2000
1600
1200
800
400
0
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
DEC. 25
DEC. 26
DEC. 27

STATION U3-R

LITTLE SANTA ANITA CREEK above Sierra Madre Dam

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

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1947.

AVERAGE DISCHARGE: 29 YEARS (1916-25, 1926-46), 1.00 SECOND-FOOT.
30 " " " " 47 " " "

EXTREMES:

1945-1946
MAXIMUM DISCHARGE 62 SECOND-FEET DECEMBER 21. (GAGE HEIGHT 2.05 FEET).
MINIMUM DAILY 0.1 SECOND-FOOT JULY 31 TO SEPTEMBER 30.

1946-1947
MAXIMUM DISCHARGE 60 SECOND-FEET NOVEMBER 13 (GAGE HEIGHT 211 FEET).
MINIMUM DAILY DISCHARGE 0.1 SECOND-FOOT ON MANY DAYS.

1916-1947
MAXIMUM DISCHARGE 536 SECOND-FEET MARCH 2, 1938 COMPUTED ON BASIS OF INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR. NO FLOW DURING PERIODS IN 1919, 1924, AND 1925.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 9 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA

~~AT~~ NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
823	10-4		U.S.G.S.	2.0	0.40	.40	.52	.16		.6	8	0	
824	10-11		"	2.0	.45	.44	.55	.20		.6	4	0	
825	10-31		"	2.6	.56	.45	.57	.25		.6	6	0	
826	11-7		"	2.5	.61	.44	.58	.27		.6	10	0	
827	11-15		"	2.4	.60	.42	.56	.25		.6	8	0	
828	11-21		"	2.5	.55	.42	.55	.23		.6	5	0	
829	11-28		"	2.5	.54	.39	.55	.21		.6	5	0	
830	12-5		"	2.5	.55	.33	.55	.18		.6	5	0	
831	12-13		"	2.5	.56	.41	.55	.23		.6	5	0	
832	12-20		"	2.5	.56	.34	.55	.19		.6	5	0	
833	12-28		"	3.2	1.70	.82	.76	1.39		.6	6	0	
834	1-5		"	3.6	1.52	.84	.70	1.27		.6	8	0	
835	1-10		"	3.4	1.19	.50	.66	.59		.6	7	0	
836	1-17		"	3.5	1.26	.42	.65	.53		.6	7	0	
837	1-24		"	3.2	1.00	.51	.63	.51		.6	7	0	
838	1-31		"	3.5	1.13	.47	.62	.53		.6	7	0	
839	2-7		"	3.0	1.07	.43	.65	.46		.6	12	0	
840	2-14		"	4.0	.82	.57	.63	.47		.6	8	0	
841	2-20		"	3.9	.93	.62	.62	.58		.6	8	0	
842	2-27		"	3.8	.87	.55	.61	.48		.5	8	0	
843	3-7		"	4.0	.89	.58	.61	.52		.5	8	0	
844	3-13		"	4.5	1.59	.63	.74	1.00		.6	18	0	
845	3-20		"	4.0	1.55	0.55	0.72	0.86		.6	8	+.01	
846	3-28		"	4.1	1.67	.94	.76	1.58		.5	8	.01	
847	4-3		"	4.5	2.66	1.01	.92	2.69		.6	9	0	
848	4-11		"	4.4	1.68	.75	.78	1.25		.6	8	0	
849	4-19		"	3.8	1.15	.66	.73	.76		.6	8	0	
850	4-25		"	3.3	.94	.84	.70	.79		.6	7	0	
851	5-2		"	3.0	.70	.97	.68	.68		.5	8	0	
852	5-9		"	3.1	.84	.73	.66	.61		.5	7	0	
853	5-17		"	3.6	.85	.65	.66	.55		.5	8	0	
854	5-23		"	2.4	.58	1.02	.65	.59		.5	6	0	
855	5-31		"	3.2	.58	.88	.63	.51		.5	7	0	
856	6-7		"	3.1	.47	.77	.61	.36		.5	6	0	
857	6-12		"	2.0	.48	.56	.61	.27		.5	4	0	
858	6-19		"	1.5	.33	.67	.58	.22		.5	3	0	
859	6-26		"	1.5	.33	.64	.58	.21		.5	3	0	
860	7-5		"	1.2	.23	1.04	.56	.24		.5	4	0	
861	7-10		"	1.2	.24	.75	.55	.18		.5	3	0	
862	7-18		"	1.2	.22	.82	.53	.18		.5	3	0	
863	7-24		"	1.2	.22	.77	.53	.17		.5	3	0	
864	7-31		"	1.2	.22	.68	.52	.15		.5	4	0	
865	8-9		"	1.2	.16	.56	.49	.09		.5	4	0	
866	8-16		"	.9	.10	.70	.48	.07		.5	3	0	
867	8-22		"	.9	.12	1.00	.49	.12		.5	3	0	
868	8-30		"	0.8	0.12	0.67	0.49	0.08		.6	3	0	
869	9-6		"	.8	.09	.67	.48	.06		.6	3	0	
870	9-20		"	.8	.10	.70	.48	.07		.6	4	0	
871	9-26		"	.8	.10	.71	.48	.07		.5	4	.01	

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA

~~AT~~ NEAR above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
872	10-3		U.S.G.S.	1.01	0.24	0.58	0.52	0.14		.6	4	0	
873	10-10		"	1.00	0.23	0.70	0.52	0.16		.6	5	0	
874	10-17		"	0.9	0.26	0.77	0.55	0.20		.6	4	0	
875	10-24		"	0.9	0.25	0.64	0.53	0.16		.6	5	0	
876	10-31		"	0.8	0.24	0.88	0.5	0.21		.6	5	0	
877	11-6		"	0.8	0.24	0.79	0.54	0.19		.6	5	0	
878	11-13		"	5.5	3.83	2.32	1.28	8.9		.6	7	.04	
879	11-21		"	4.5	2.52	1.58	1.04	3.98		.6	7	0	
880	11-26		"	4.0	2.06	1.25	0.88	2.58		.6	8	0	
881	12-4		"	4.0	1.38	0.77	0.75	1.06		.6	8	0	
882	12-10		"	2.2	0.86	1.09	0.72	0.94		.5	6	0	
883	12-18		"	2.5	0.90	0.90	0.68	0.81		.6	6	0	
884	12-23		"	2.5	0.89	0.80	0.66	0.71		.6	5	0	
885	1-2		"	14.0	4.31	0.99	1.01	4.27		.6	14	0	
886	1-15		"	2.4	1.36	1.48	0.82	2.01		.6	7	0	
887	1-22	345P / 350P	MOON	4.0	1.55	1.06	0.77	1.64		.5	4	0	FC22
888	1-29		U.S.G.S.	2.25	1.20	1.29	0.78	1.55		.6	7	0	
889	2-10		"	2.1	1.08	1.08	0.74	1.17		.6	6	0	
890	2-22	1115A / 1121A	MOON	1.9	0.94	1.17	0.70	1.05		.5	4	0	FC22
891	2-26		U.S.G.S.	1.9	0.88	1.02	0.70	0.90		.6	6	0	
892	3-12		"	2.0	0.87	0.87	0.68	0.76		.6	6	0	
893	3-26		"	2.0	0.86	0.79	0.66	0.68		.6	6	0	
894	4-2	833A / 838A	MOON	1.8	0.80	0.99	0.67	0.79		.5	4	0	FC22
895	4-9		U.S.G.S.	1.9	0.81	0.85	0.66	0.69		.6	6	0	
896	4-23		"	1.8	0.69	0.78	0.65	0.54		.6	6	0	
897	4-30	905A / 910A	MOON	1.8	0.72	0.85	0.64	0.61		.5	3	0	FC22
898	5-7		U.S.G.S.	1.8	0.72	0.65	0.62	0.47		.6	7	0	
899	5-21		"	1.8	0.71	0.63	0.61	0.45		.6	7	0	
900	5-28	835A / 840A	MOON	1.8	0.70	0.79	0.62	0.55		.5	4	0	FC22
901	6-4		U.S.G.S.	1.8	0.72	0.72	0.61	0.52		.6	6	0	
902	6-18		"	1.4	0.48	0.73	0.57	0.35		.5 .6	8	0	
903	6-25	920A / 925A	MOON	1.4	0.48	0.83	0.58	0.40		.5	3	0	FC22
904	7-1		U.S.G.S.	1.3	0.45	0.69	0.56	0.31		.5 .6	7	0	
905	7-15		"	1.3	0.39	0.56	0.53	0.22		.5	6	0	
906	7-24	252P / 256P	MOON	1.4	0.36	0.53	0.50	0.19		.5	3	0	FC22
907	7-28		U.S.G.S.	1.1	0.32	0.56	0.50	0.18		.5	6	0	
908	8-11		"	0.9	0.25	0.64	0.51	0.16		.5	5	0	
909	8-21	825A / 827A	MOON	1.0	0.20	0.80	0.50	0.16		.5	2	0	FC22
910	8-25		U.S.G.S.	1.0	0.16	0.75	0.50	0.12		.5	5	0	
911	9-8		"	1.0	0.25	0.48	0.48	0.12		.5	6	0	
912	9-17	815A / 820A	STUNDEN	1.0	0.26	0.65	0.49	0.17		.5	2	0	FC40
913	9-22		U.S.G.S.	1.0	0.26	0.58	0.50	0.15		.5	6	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam for the year ending September 30, 19 48

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.3	0.2	1.2	0.4	0.5	4.1	0.7	0.4	0.2	0.1	0.1
2	0.2	0.3	0.2	1.1	0.4	0.5	3.4	0.7	0.4	0.2	0.1	0.1
3	0.2	0.2	0.2	1.3	1.5	0.5	2.8	0.6	0.4	0.2	0.1	0.1
4	0.2	0.2	0.2	1.2	0.8	0.5	2.2	0.6	0.4	0.2	0.1	0.1
5	0.2	0.2	0.2	1.3	0.6	0.5	2.0	0.6	0.4	0.2	0.1	0.1
6	0.2	0.3	0.2	1.1	0.6	0.5	2.0	0.6	0.4	0.2	0.1	0.1
7	0.2	0.3	0.2	1.0	0.5	0.5	1.8	0.5	0.4	0.2	0.1	0.1
8	0.2	0.3	0.2	0.8	0.5	0.5	1.6	0.5	0.4	0.2	0.1	0.1
9	0.2	0.3	0.2	0.7	0.5	0.5	1.6	0.6	0.4	0.2	0.1	0.1
10	0.2	0.2	0.2	0.6	0.5	0.4	1.3	0.6	0.4	0.2	0.1	0.1
11	0.2	0.2	0.2	0.6	0.5	0.4	1.3	0.6	0.4	0.2	0.1	0.1
12	0.2	0.2	0.2	0.6	0.5	0.4	1.3	0.6	0.4	0.2	0.1	0.1
13	0.2	0.2	0.2	0.6	0.5	0.6	1.3	0.6	0.4	0.2	0.1	0.1
14	0.2	0.2	0.2	0.5	0.5	0.5	1.2	0.6	0.4	0.2	0.1	0.1
15	0.2	0.2	0.2	0.5	0.5	0.4	1.2	0.6	0.4	0.2	0.1	0.1
16	0.2	0.2	0.2	0.5	0.5	0.4	1.1	0.6	0.3	0.2	0.1	0.1
17	0.2	0.2	0.2	0.5	0.5	0.4	1.0	0.6	0.3	0.2	0.1	0.1
18	0.2	0.2	0.2	0.5	0.5	0.4	1.0	0.5	0.3	0.2	0.1	0.1
19	0.2	0.2	0.2	0.5	0.5	1.2	0.9	0.6	0.3	0.2	0.1	0.1
20	0.2	0.2	0.2	0.5	0.6	0.9	0.9	0.6	0.3	0.2	0.1	0.1
21	0.2	0.2	4.9	0.5	0.6	0.8	0.9	0.6	0.5	0.2	0.1	0.1
22	0.2	0.2	15	0.5	0.6	0.7	0.9	0.6	0.3	0.2	0.1	0.1
23	0.2	0.2	16	0.5	0.6	0.6	0.8	0.6	0.3	0.2	0.1	0.1
24	0.2	0.2	4.3	0.5	0.5	0.6	0.8	0.6	0.3	0.2	0.1	0.1
25	0.2	0.2	2.6	0.4	0.5	0.6	0.7	0.5	0.3	0.2	0.1	0.1
26	0.2	0.2	1.9	0.4	0.5	0.6	0.7	0.6	0.3	0.2	0.1	0.1
27	0.2	0.2	1.6	0.4	0.5	0.5	0.7	0.6	0.3	0.2	0.1	0.1
28	0.2	0.2	1.4	0.4	0.5	0.8	0.7	0.5	0.3	0.2	0.1	0.1
29	0.3	0.2	1.3	0.4		1.1	0.7	0.5	0.3	0.2	0.1	0.1
30	0.4	0.2	1.2	0.4		1.3	0.7	0.5	0.3	0.2	0.1	0.1
31	0.3		1.2	0.4		6.2		0.5		0.1	0.1	
	6.6	6.6	55.4	20.4	15.7	36.0	41.6	18.0	10.5	6.1	3.1	3.0
MEAN	0.21	.22	1.79	.66	.56	1.16	1.39	.58	.35	.20	.10	.10
ACRE-FEET	13.	13.	110.	40.	31.	71.	83.	35.	21.	12.	6.1	6.0

Remarks:

YEAR OR PERIOD MEAN .61
ACRE-FEET 442.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.2	1.5	5.1	1.2	0.9	0.8	0.5	0.5	0.3	0.1	0.1
2	0.2	0.2	1.3	4.7	1.2	0.9	0.7	0.5	0.5	0.2	0.1	0.1
3	0.2	0.2	1.2	4.3	1.1	0.9	0.8	0.5	0.5	0.2	0.1	0.1
4	0.2	0.2	1.2	3.7	1.1	0.9	0.7	0.5	0.5	0.2	0.1	0.1
5	0.2	0.2	1.1	3.4	1.1	0.9	0.7	0.5	0.5	0.2	0.1	0.1
6	0.2	0.2	1.4	3.1	1.1	0.9	0.7	0.5	0.4	0.2	0.1	0.1
7	0.2	0.2	1.2	2.8	1.1	0.8	0.7	0.5	0.4	0.2	0.1	0.1
8	0.2	0.3	1.1	2.7	1.1	0.8	0.7	0.5	0.4	0.2	0.2	0.1
9	0.2	0.3	1.1	2.4	1.1	0.8	0.7	0.5	0.4	0.2	0.2	0.1
10	0.2	0.3	1.0	2.3	1.1	0.8	0.6	0.5	0.4	0.2	0.2	0.1
11	0.1	0.4	0.9	2.2	1.1	0.8	0.6	0.5	0.4	0.2	0.2	0.1
12	0.1	2.6	0.9	2.1	1.0	0.8	0.6	0.5	0.4	0.2	0.1	0.1
13	0.1	7.8	0.9	2.1	1.0	0.7	0.6	0.5	0.3	0.2	0.1	0.1
14	0.1	2.6	0.8	2.0	1.0	0.7	0.6	0.5	0.3	0.2	0.1	0.1
15	0.1	1.3	0.8	1.9	0.9	0.7	0.6	0.5	0.3	0.2	0.1	0.1
16	0.3	0.8	0.8	1.8	0.9	0.7	0.6	0.5	0.3	0.2	0.1	0.1
17	0.2	0.6	0.8	1.7	0.9	0.7	0.6	0.5	0.3	0.2	0.1	0.2
18	0.2	0.5	0.8	1.7	0.9	0.7	0.6	0.5	0.3	0.2	0.1	0.2
19	0.2	0.5	0.7	1.6	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.2
20	0.2	1.3	0.7	1.6	0.9	0.8	0.6	0.5	0.4	0.2	0.1	0.1
21	0.2	4.3	0.7	1.5	0.9	0.8	0.6	0.5	0.4	0.2	0.1	0.1
22	0.2	2.3	0.7	1.4	0.9	0.8	0.6	0.5	0.4	0.2	0.1	0.1
23	0.2	4.3	0.7	1.4	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.1
24	0.2	4.1	0.8	1.4	0.8	0.8	0.6	0.4	0.3	0.2	0.1	0.1
25	0.2	3.1	8.5	1.3	0.8	0.7	0.6	0.4	0.4	0.2	0.1	0.1
26	0.1	2.6	15	1.2	0.9	0.7	0.6	0.4	0.4	0.2	0.1	0.1
27	0.3	2.2	15	1.2	0.9	0.7	0.6	0.5	0.4	0.2	0.2	0.1
28	0.3	2.0	11	2.1	0.9	1.0	0.6	0.5	0.4	0.1	0.2	0.1
29	0.2	1.7	9.3	1.5		0.8	0.6	0.4	0.3	0.1	0.2	0.1
30	0.2	1.6	7.5	1.4		0.8	0.5	0.5	0.3	0.1	0.1	0.1
31	0.2		6.2	1.3		0.8		0.5		0.1	0.1	
	6.3	60.6	95.6	68.9	27.7	24.7	19.0	15.1	11.4	5.9	3.8	3.3
MEAN	0.20	2.02	3.08	2.22	0.99	0.80	0.63	0.49	0.38	0.19	0.12	0.11
ACRE-FEET	12	120	190	137	55	49	38	30	23	12	7.5	6.5

Remarks:

YEAR OR PERIOD MEAN 0.94
ACRE-FEET 680

STATION F67B-R
LITTLE SANTA ANITA CREEK below Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER, LAT 34°10'33", LONG. 118°02'33", ON THE LEFT (EAST) BANK ABOUT 270 FEET BELOW SIERRA MADRE DAM AND ABOUT 1-1/4 MILES NORTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 1082.69 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RUBBLE MASONRY, DEPTH 7.5 FEET, WIDTH 24.6 FEET AT TOP AND 22.5 FEET AT BOTTOM. ARTIFICIAL CONCRETE CONTROL WITH LOW FLOW CHANNEL.

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

RECORDER: INSTALLED JANUARY 28, 1929 AT STATION F67-R ABOUT 1000 FEET DOWNSTREAM FROM PRESENT LOCATION. REMOVED MAY 20, 1936. REINSTALLED MAY 21, 1936 IN A 4 FT. X 3 FT. COMBINATION CONCRETE STILLING WELL AND HOUSE. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 60 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1946-1947
MAXIMUM 55 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW MOST OF YEAR.
1929-1947
MAXIMUM 620 SECOND FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS DURING MOST YEARS.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK
at Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
226	12/24	145P / 148P	MOON - HOLMES	1.3	0.28	8.21	0.84	2.3		.6	2	0	FC22
227	3/30	1020A / 1027A	MOON-- ROCKENMEYER	2.2	1.63	12.6	1.55	20.5		PITOT	3	0	

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK
at Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
228	11-14	130P / 133P	MOON - ROCKENMEYER	1.6	0.27	11.1	0.88	3.0		.5	4	0	PITOT
229	11-20	1035A / 1040A	" "	5.5	3.57	14.0	2.12	50.0		.5 / .6	3	-.01	"
230	11-29	335P / 340P	STUNDEN	2.5	0.48	1.42	0.75	0.68		.5	3	0	FC36
231	12-27	135P / 142P	MOON - STEVENS	2.0	1.42	11.8	1.49	16.7		.6	4	0	PITOT
232	1-8	915A / 925A	MOON	4.0	1.56	1.15	0.82	1.8		.6	7	0	FC22
233	1-15	410P / 415P	"	4.0	1.21	0.99	0.79	1.2		.6	5	0	"
234	1-29	1015A / 1020A	"	2.5	0.56	1.11	0.74	0.62		.6	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F67B-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK below Sierra Madre Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	2.6	0	0	0	+	+
2	0	0	0	0	0	0	2.3	0	0	0		
3	0	0	0	0	0.5	0	1.8	0	0	0		
4	0	0	0	0	0	0	1.0	0	0	0		
5	0	0	0	0	0	0	0.4	0	0	0	+	+
6	0	0	0	0	0	0	0.5	0	+	0	+	+
7	0	0	0	0	0	0	0.6	0	0	0		
8	0	0	0	0	0	0	0.6	0	0	0		
9	0	0	0	0	0	0	0.4	0	0	0		
10	0	0	0	0	0	0	0.2	0	0	0	+	+
11	0	0	0	0	0	0	0.1	0	0	+	+	+
12	0	0	0	0	0	0	0.1	0	0	0		
13	0	0	0	0	0	0	0.1	0	+	0		
14	0	0	0	0	0	0	0.1	0	+	0		
15	0	0	0	0	0	0	0	0	0	0	+	+
16	0	0	0	0	0	0	0	0	0	0	+	+
17	0	0	0	0	0	0	0	0	0	0		
18	0	0	0	0	0	0	0	0	0	0		
19	0	0	0	0	0	0.2	0	0	0	0		
20	0	0	0	0	0	0	0	0	+	0	+	+
21	0	0	6.8	0	0	0	0	0	0	0	+	+
22	0	0	21	0	0	0	0	0	0	0		
23	0	0	20	0	0	0	0	0	0	0		
24	0	0	2.9	0	0	0	0	0	0	0		
25	0	0	1.4	0	0	0	0	0	0	0	+	+
26	0	0	0.8	0	0	0	0	0	0	0	+	+
27	0	0	0.5	0	0	0	0	0	0	0		
28	0	0	0.3	0	0	0	0	0	0	0		
29	0	0	0.2	0		0	0	0	0	0		
30	0	0	0.1	0		16	0	0	0	0		+
31	0		0.1	0		5.3		0		+	+	
	0	0	54.1	0	0.5	21.5	10.8	0				
MEAN	0	0	1.75	0	0.02	0.69	0.36	0	+	+	+	+
ACRE-FEET	0	0	107.	0	1.0	43.	21.	0	+	+	+	+

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

YEAR OR PERIOD MEAN 0.24
ACRE-FEET 172.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

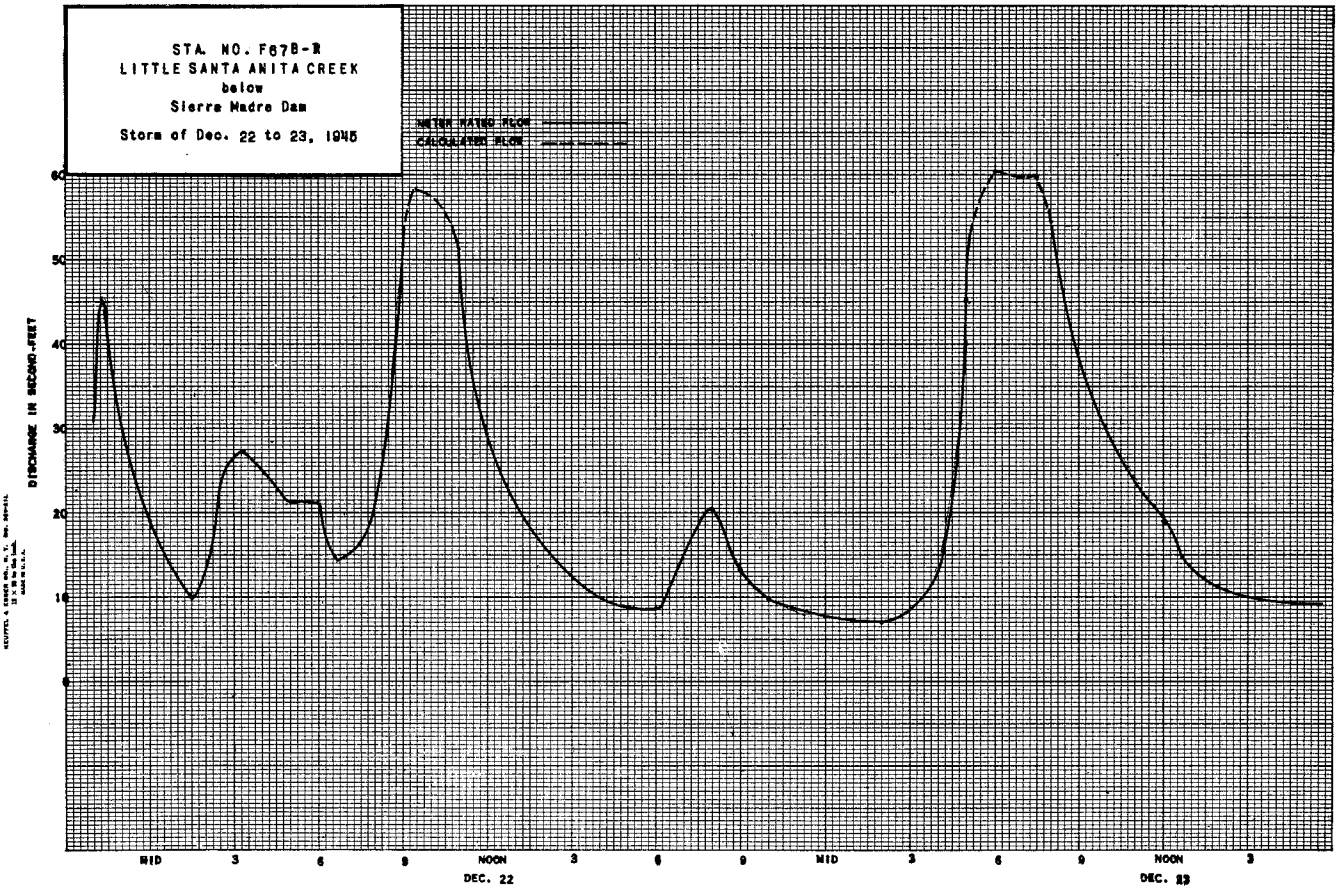
Sta. No. F 67 B-R

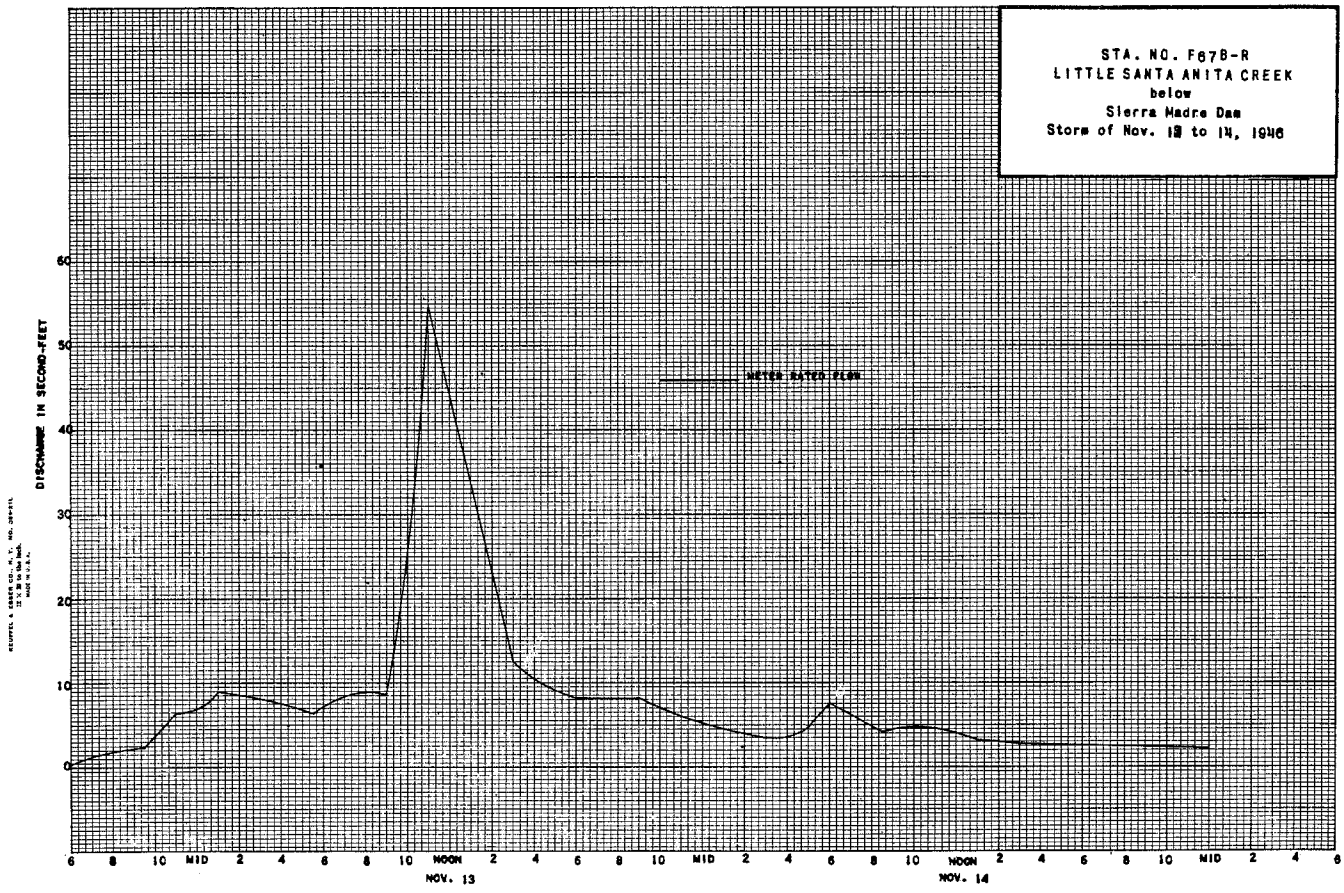
Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK below Sierra Madre Dam for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.7	6.4	0.5	0.1	0	0	0	0	0	0
2	0	0	0.5	4.7	0.4	0.1	0	0	0	0	0	0
3	0	0	0.3	3.7	0.3	0.1	0	0	0	0	0	0
4	0	0	0.3	3.0	0.3	0.1	0	0	0	0	0	0
5	0	0	0.2	2.5	0.3	0.1	0	0	0	0	0	0
6	0	0	0.4	2.1	0.3	0.1	0	0	0	0	0	0
7	0	0	0.4	1.9	0.3	0.1	0	0	0	0	0	0
8	0	0	0.3	1.9	0.3	0.2	0	0	0	0	0	0
9	0	0	0.3	1.9	0.5	0.1	0	0	0	0	0	0
10	0	0	0.2	1.9	0.3	0.1	0	0	0	0	0	0
11	0	0.2	0.1	1.9	0.3	0.1	0	0	0	0	0	0
12	0	0.9	0.1	1.8	0.2	0	0	0	0	0	0	0
13	0	1.4		1.6	0.2	0	0	0	0	0	0	0
14	0	3.7	0	1.5	0.2	0	0	0	0	0	0	0
15	0	1.6	0	1.5	0.2	0	0	0	0	0	0	0
16	0	0.7	0	1.5	0.1	0	0	0	0	0	0	0
17	0	0.3	0	1.3	0.1	0	0	0	0	0	0	0
18	0	0.1	0	1.2	0.1	0	0	0	0	0	0	0
19	0	0.1	0	1.1	0.1	0	0	0	0	0	0	0
20	0	2.0	0	1.1	0.1	0	0	0	0	0	0	0
21	0	7.3	0	0.9	0.1	0	0	0	0	0	0	0
22	0	3.4	0	0.7	0.1	0	0	0	0	0	0	0
23	0	7.1	0	0.7	0.1	0	0	0	0	0	0	0
24	0	4.1	0.1	0.6	0.1	0	0	0	0	0	0	0
25	0	2.8	9.6	0.5	0.1	0	0	0	0	0	0	0
26	0	2.4	21	0.4	0.1	0	0	0	0	0	0	0
27	0	1.8	19	0.4	0.1	0	0	0	0	0	0	0
28	0	1.6	12	1.3	0.1	0	0	0	0	0	0	0
29	0	1.3	9.0	0.9		0	0	0	0	0	0	0
30	0	0.9	8.4	0.8		0	0	0	0	0	0	0
31	0		8.2	0.7		0		0		0	0	
	0	74.3	91.1	52.4	5.9	1.2	0	0	0	0	0	0
MEAN	0	2.48	2.94	1.69	0.21	0.04	0	0	0	0	0	0
ACRE-FEET	0	147	181	104	12	2.4	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.62
ACRE-FEET 446


STA. NO. F67B-R
LITTLE SANTA ANITA CREEK
below
Sierra Madre Dam
Storm of Dec. 22 to 23, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
60
50
40
30
20
10
0
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
DEC. 22
DEC. 23


STA. NO. F67B-R
LITTLE SANTA ANITA CREEK
below
Sierra Madre Dam
Storm of Nov. 13 to 14, 1946
METER RATED FLOW
DISCHARGE IN SECOND-FEET
60
50
40
30
20
10
0
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
NOV. 13
NOV. 14

STATION F267-R
LITTLE SANTA ANITA CREEK at Woodland Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'19", LONG. 118°01'41", ON THE LEFT (NORTHEAST) CHANNEL WALL ABOUT 30 FEET UPSTREAM FROM SANTA ANITA WASH, ABOUT 20 FEET EAST OF THE INTERSECTION OF WOODLAND AVENUE AND FIRST STREET AND ABOUT ONE MILE NORTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT, 557.22 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 6 FEET DEEP AND 10 FEET WIDE. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM DOWNSTREAM ROAD CULVERT HEADWALL AT STATION.

RECORDER: 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, 1945 TO SEPTEMBER 30, 1947.

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:

1945-1946
MAXIMUM 188 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 112 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW MOST OF YEAR.

1938-1947
MAXIMUM NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 542 SECOND-FEET, JANUARY 22, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

REMARKS: SEVERAL PRIOR YEARS RECORDS ARE NOT PUBLISHED DUE TO INSUFFICIENT RELIABLE RECORDS.

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK
AT NEAR Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
72	11/6	1232P / 1234P	MOON	10.0	0.60	3.00	0.06	1.8			2	0	FLOATS

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK
AT NEAR Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
73	11-20	1144A / 1146A	MOON-ROCKENMEYER	10.0	5.40	10.2	0.63	54.8		.6	5	+.01	PITOT
74	11-20	1212P / 1214P	" "	10.0	4.60	9.51	0.52	43.7		.6	5	-.02	" "

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK at Woodland Avenue, for the year ending September 30, 1946

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	0.4	0	0	0	0	0
3	0	0	0	0.1	3.1	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	1.2	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	0.4	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0.1	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	1.8	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	18	0	0	0	0	0	0	0	0	0
22	0	0	35	0	0	0	0	0	0	0	0	0
23	0	0	28	0	0	0	0	0	0	0	0	0
24	0	0	0.2	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	0.6	0	0	0	0	0	0
29	0	0	0	0		0.2	0	0	0	0	0	0
30	0	0	0	0		18	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	82.4	0.1	3.2	21.0	0.4	0	0	0	0	0
MEAN	0	0	2.66	+	0.12	0.68	+	0	0	0	0	0
ACRE-FEET	0	0	163.	0.2	6.3	42.	0.8	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 212.

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

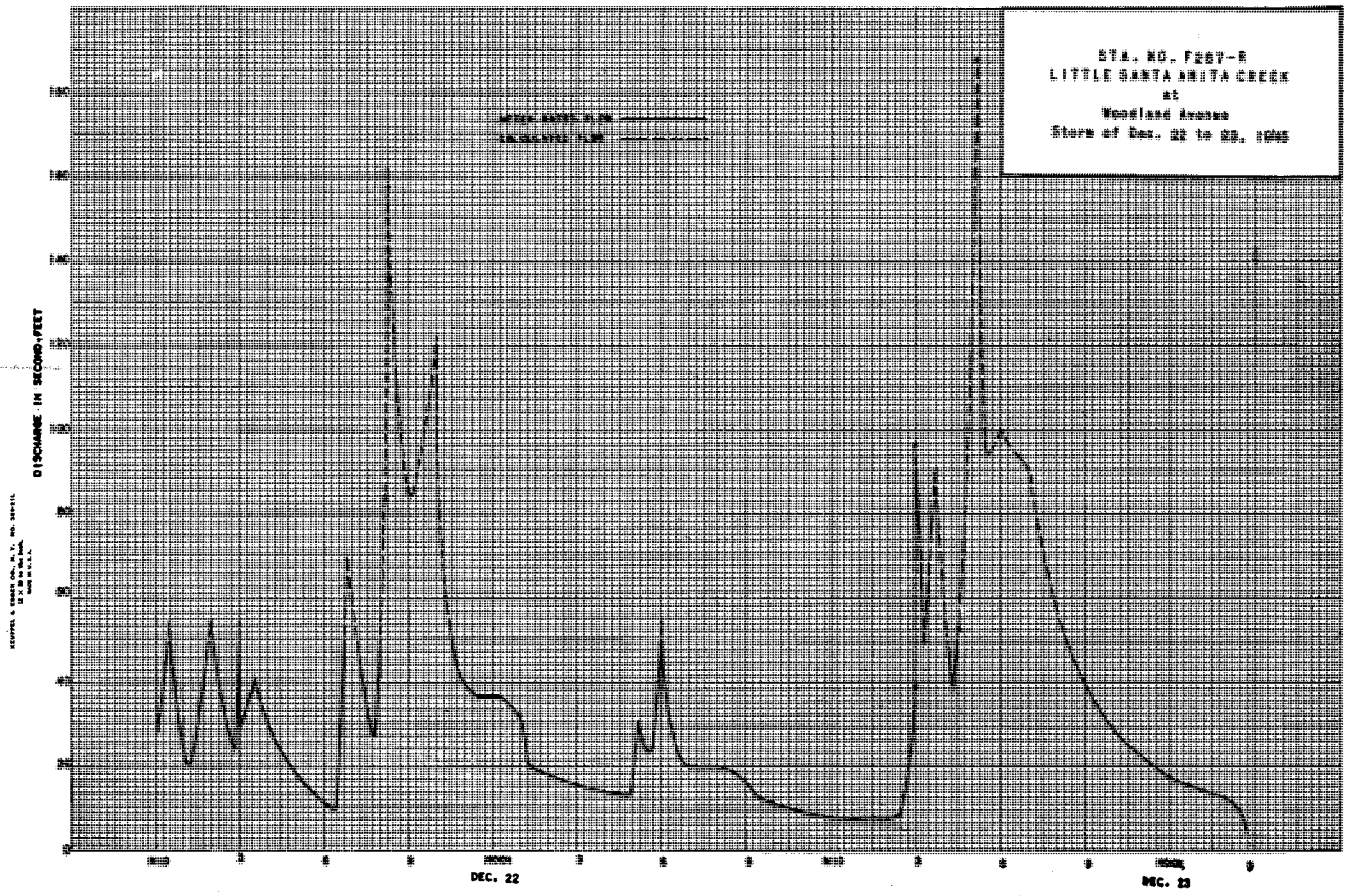
Sta. No. F 267-R

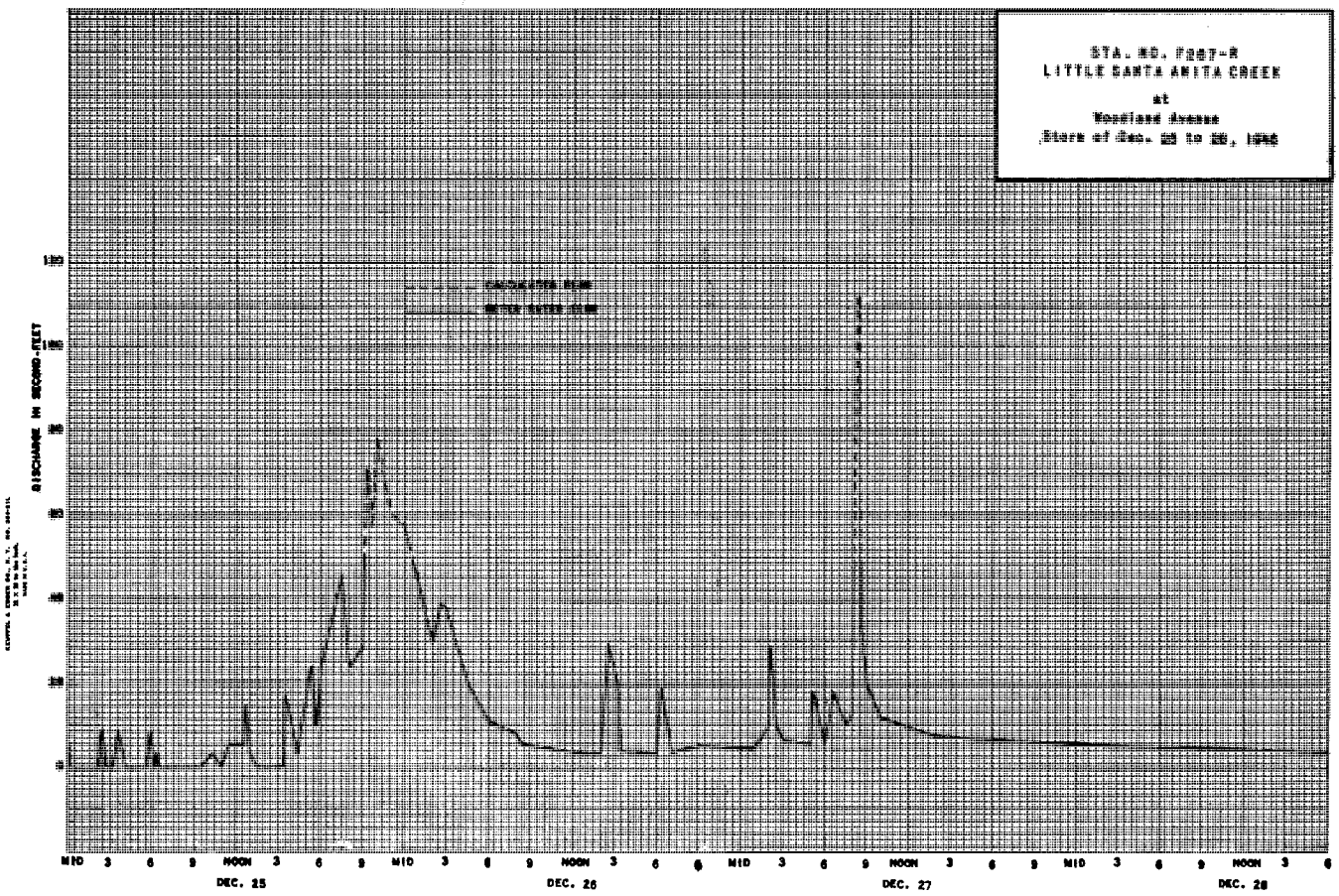
Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK at Woodland Avenue for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	0	0	1.4	0	0	0	0	0	0	0	0
2	0	0	0	1.4	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	1.0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	1.6	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	1.2	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0.8	0	0	0	0	0	0	0	0	0	0
12	0	6.0	0	0	0	0	0	0	0	0	0	0
13	0	17.7	0	0	0	0	0	0	0	0	0	0
14	0	2.4	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0.3	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	2.6	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	3.4	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	14.2	0	0	0	0	0	0	0	0	0
26	0	0	12.7	0	0	0	0	0	0	0	0	0
27	0	0	10.4	0	0	0	0	0	0	0	0	0
28	0	0	4.6	1.6	0	0	0	0	0	0	0	0
29	0	0	2.7	0		0	0	0	0	0	0	0
30	0	0	1.8	0		0	0	0	0	0	0	0
31	0		1.4	0		0		0		0	0	
	2.1	57.9	488	4.4	1.2	0	0	0	0	0	0	0
MEAN	0.07	1.93	1.57	0.14	0.04	0	0	0	0	0	0	0
ACRE-FEET	4.2	115	97	8.7	2.4	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 227





STATION F18-R
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°16'28", LONG. 118°22'20", ON DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE, 4 MILES EAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT, 1067.88 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 244 SECOND-FEET NOVEMBER 11.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 200 SECOND-FEET, NOVEMBER 20.
MINIMUM NO FLOW MOST OF YEAR.

1928-1947
MAXIMUM 8,500 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
384	12/21	918P / 930P	DEVORE	37.0	21.1	4.69	3.79	98.9		.6	6	-03	FC42
385	12/23	209P / 223P	"	TWO CHANNELS			3.38	20.5		.6	9	-.01	"
386	3/19	948A / 958A	"	12.4	2.59	2.51	3.28	6.5		.5	7	-01	"
387	3/30	1015A / 1030A	WADDICOR	TWO CHANNELS			3.76	96.		.6	11	0	FC22
388	3/31	332P / 347P	"	"	"		3.48	21.		.6	12	0	"
389	4/3	943A / 954A	"	10.0	2.54	2.76	3.27	6.9		.6	10	0	"
390	4/10	930A / 935A	"	4.3	0.82	1.71	3.26	1.4		.6	5	0	"
391	4/17	845A / 850A	"	1.1	0.05	0.60	3.21	0.03		.6	2	0	FC37

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

AT NEAR Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
392	11-13	1245P / 1255P	TURNER - RILEY	30.0	7.10	3.79	3.58	26.9		.5	9	0	FC43
393	11-20	825A / 845A	TURNER	THREE CHANNELS			3.90	155.		.6	11	-.20	"
394	11-20	115P / 128P	TURNER - RILEY	38.0	16.6	5.02	3.68	83.4		.6	11	0	"
395	11-21	1105A / 1111A	" "	10.0	1.99	1.76	3.11	3.5		.5	8	0	"
396	11-23	755A / 805A	" "	31.0	13.0	3.45	3.53	44.8		.6	8	0	"
397	11-25	140P / 149P	TURNER	9.6	1.94	1.55	3.10	3.0		.5	9	0	"
398	11-27	945A / 950A	"	5.5	0.94	1.38	3.10	1.3		.5	7	0	"
399	12-26	822A / 837A	TURNER - RILEY	31.0	14.1	3.57	3.69	50.3		.6	9	0	"
400	1-3	805A / 815A	TURNER	10.5	1.82	2.53	3.21	4.6		.5	6	0	"
401	1-15	955A / 1000A	"	6.0	0.60	1.42	3.18	0.85		.5	6	0	"
402	1-23	1105A / 1110A	"	3.0	0.30	0.87	3.02	0.26		.5	4	0	"
403	1-29	1235P / 1241P	"	9.0	1.03	0.97	3.12	1.0		.5	6	0	"
404	2-10	930A / 935A	"	3.5	0.71	1.48	3.07	1.05		.5	4		"
405	2-27	405P / 410P	"	1.5	0.16	0.56	2.94	0.09		.5	3	0	"

F. C. Dist. Form 62 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	12	0	0	0	0	0
2	0	0	0	0	0	0	9.8	0	0	0	0	0
3	0	0	0	0	9.9	0	5.6	0	0	0	0	0
4	0	0	0	0	2.2	0	4.3	0	0	0	0	0
5	0	0	0	0	+	0	3.5	0	0	0	0	0
6	0	+	0	0	0	0	4.0	0	0	0	0	0
7	0	0	0	0	0	0	3.5	0	0	0	0	0
8	0	0	0	0	0	0	3.0	0	0	0	0	0
9	0	0	0	0	0	0	1.8	0	0	0	0	0
10	0	0	0	0	0	0	0.8	0	0	0	0	0
11	0	0	0	0	0	0	0.3	0	0	0	0	0
12	0	0	0	0	0	0	0.3	0	0	0	0	0
13	0	0	0	0	0	0	0.2	0	0	0	0	0
14	0	0	0	0	0	0	0.1	0	0	0	0	0
15	0	0	0	0	0.2	0	0.1	0	0	0	0	0
16	0	0	0	0	0.1	0	+	0	0	0	0	0
17	0	0	0	0	0	0	+	0	0	0	0	0
18	0	0	0	0	0	0	+	0	0	0	0	0
19	0	0	0	0	0	1.9	+	0	0	0	0	0
20	0	0	0	0	0	0.1	+	0	0	0	0	0
21	0	0	16	0	0	0	+	0	0	0	0	0
22	0	0	49	0	0	0	+	0	0	0	0	0
23	0	0	36	0	0	0	0	0	0	0	0	0
24	0	0	2.4	0	0	0	0	0	0	0	0	0
25	0	0	+	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	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		3.5	0	0	0	0	0	0
30	0	0	0	0		96	0	0	0	0	0	0
31	0		0	0		24		0		0	0	
	0	+	103.4	0	12.4	126.5	48.3	0	0	0	0	0
MEAN	0	0	3.34	0	0.44	4.08	1.61	0	0	0	0	0
ACRE-FEET	0	+	205.	0	25.	251.	96.	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.80
ACRE-FEET 577.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

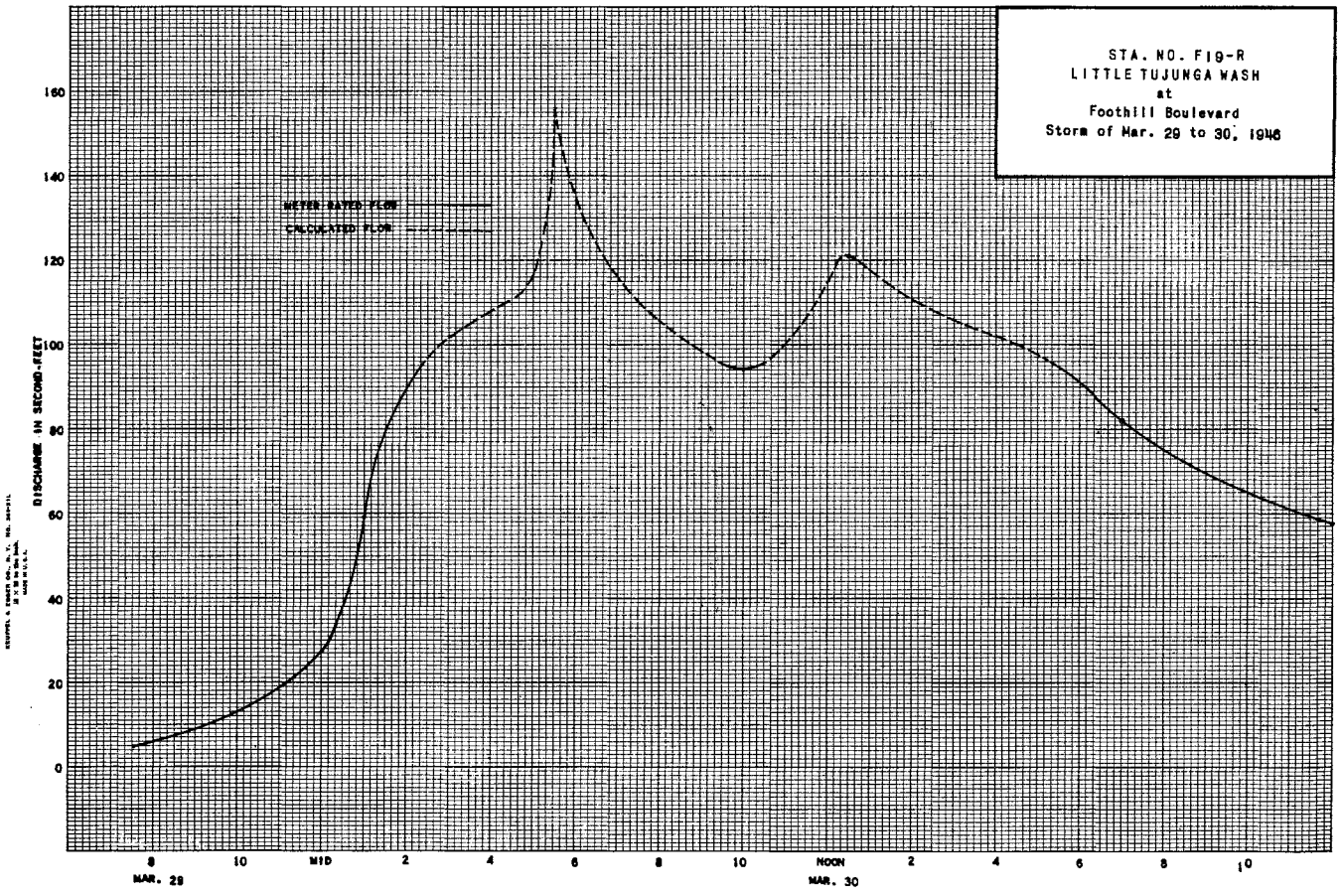
Sta. No. F 19-R

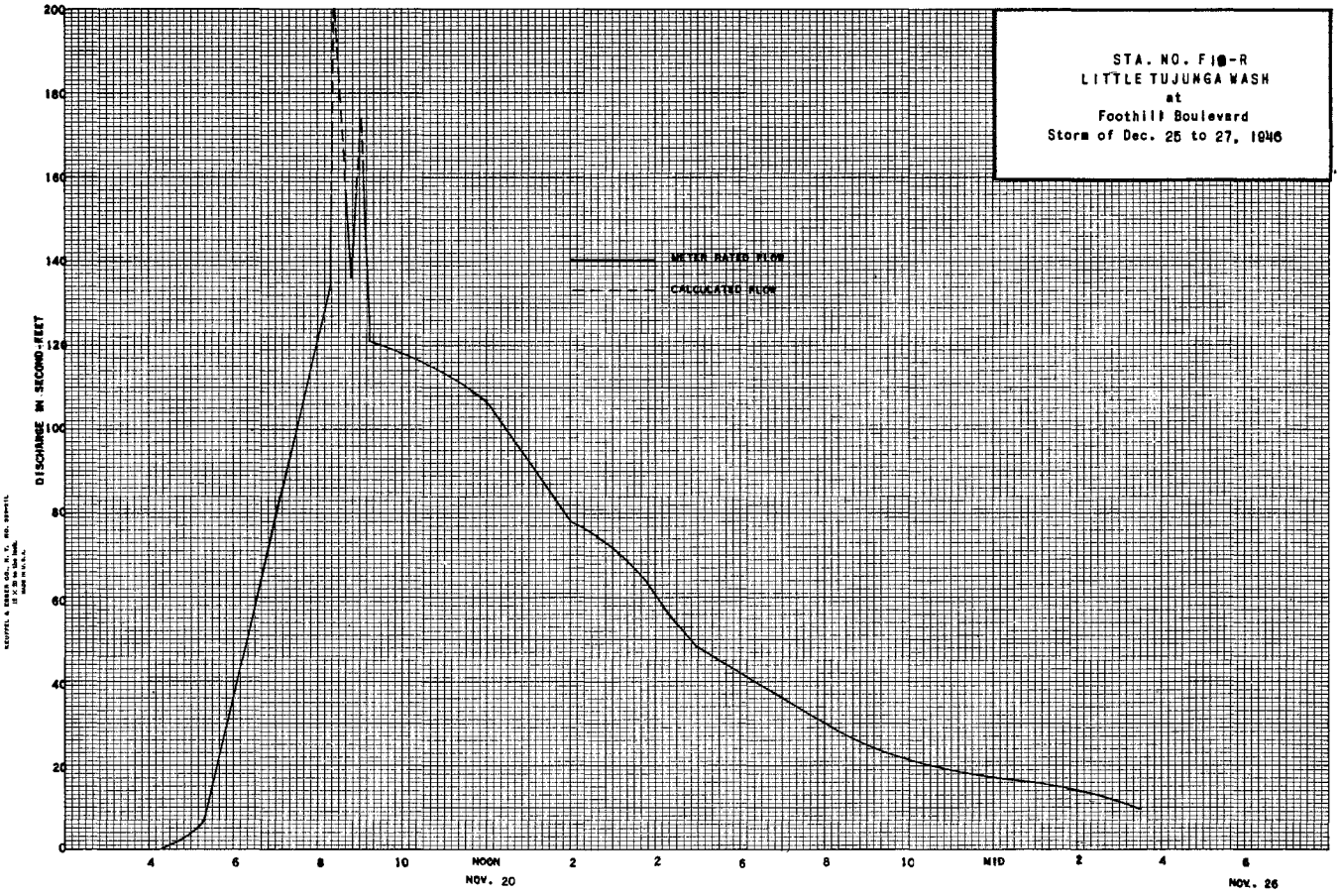
Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	6.4	+	+	0	0	0	0	0	0
2	0	0	+	5.2	+	+	0	0	0	0	0	0
3	0	0	0	4.0	+	+	0	0	0	0	0	0
4	0	0	0	2.7	+	+	0.1	0	0	0	0	0
5	0	0	0	2.0	+	0.6	0	0	0	0	0	0
6	0	0	0.6	3.2	+	0.1	0	0	0	0	0	0
7	0	0	0.3	2.5	+	+	0	0	0	0	0	0
8	0	0	0.1	1.8	0.6	0	0	0	0	0	0	0
9	0	0	+	1.8	1.2	0	0	0	0	0	0	0
10	0	0	0	2.2	1.0	0	0	0	0	0	0	0
11	0	0	0	2.2	0.6	0	0	0	0	0	0	0
12	0	0.7	0	1.9	0.5	0	0	0	0	0	0	0
13	0	1.0	0	1.2	0.4	0	0	0	0	0	0	0
14	0	1.2	0	1.2	0.2	0	0	0	0	0	0	0
15	0	0	0	0.7	0.1	0	0	0	0	0	0	0
16	0	0	0	1.3	0.1	0	0	0	0	0	0	0
17	0	0	0	1.2	0.1	0	0	0	0	0	0	0
18	0	0	0	1.0	0.1	0	0	0	0	0	0	0
19	0	0	0	0.8	0.1	0	0	0	0	0	0	0
20	0	5.2	0	0.6	+	0.3	0	0	0	0	0	0
21	0	6.0	0	0.2	+	0.4	0	0	0	0	0	0
22	0	2.2	0	0.3	0.1	0.1	0	0	0	0	0	0
23	0	3.5	0	0.4	+	+	0	0	0	0	0	0
24	0	9.9	0.4	0.2	+	0.1	0	0	0	0	0	0
25	0	3.2	2.6	0.1	+	0	0	0	0	0	0	0
26	0	2.0	5.4	0.1	+	0	0	0	0	0	0	0
27	0	1.0	3.6	0.2	+	0.1	0	0	0	0	0	0
28	0	0.4	2.4	2.6	+	1.3	0	0	0	0	0	0
29	0	0.1	1.7	1.0		0.5	0	0	0	0	0	0
30	0		8.4	0.6		0.2	0	0	0	0	0	0
31	0		7.2	0.1		0.1		0		0	0	
	0	123.7	174.0	49.6	5.1	3.8	0.1	0	0	0	0	0
MEAN	0	4.12	5.61	1.60	0.18	0.12	+	0	0	0	0	0
ACRE-FEET	0	245	345	98.4	10.1	7.5	0.2	0	0	0	0	0

Remarks: + = 0.05 cfs. or less

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 706.2





STATION F31-R
LIVE OAK CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'34", LONG. 117°44'37", ON THE RIGHT (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT 2 MILES NORTHEAST OF LA VERNE. ELEVATION OF GAGE, ABOUT 1,335 FEET.

DRAINAGE AREA: 2.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND ROCKS. CONTROL - CONCRETE WITH A 2 FOOT CIPOLLETTI WEIR 12 INCHES DEEP.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM BRIDGE 350 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 4, 1928 IN A CONCRETE HOUSE OVER A 3 FT. X 4' FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 40 SECOND FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 1.9 SECOND-FEET, JANUARY 1.
MINIMUM NO FLOW MOST OF YEAR.

1928-1947
MAXIMUM 257 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK

AT NEAR near Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
143													
144	12/22	1133A / 1145A	BREWSTER	7.0	1.87	1.02	0.42	1.9		.6	6	+ .09	FC12
145	12/23	1102A / 1110A	"	4.0	0.86	0.93	0.24	0.80		.6	4	0	"
146	12/26	237P / 245P	"	4.0	1.44	1.18	0.40	1.7		.6	4	0	"
147	1/2	231P / 240P	"	4.0	1.55	1.03	0.39	1.6		.6	4	0	"
148	1/9	24CP / 250P	"	4.0	1.15	1.13	0.34	1.3		.6	4	0	"
149	2/3	526P / 530P	"	1.0	0.24	0.50	0.06	0.12		.6	2	- .01	"
150	3/30	309P / 313P	"	1.0	0.29	1.21	0.13	0.35		.6	2	0	"
151	3/31	941A / 945A	"	0.5	0.11	0.45	0.03	0.05		.6	1	0	"
152	6/12	217P / 225P	"	2.0	0.85	0.91	0.21	0.77		.6	4	0	"
153	6/19	1220P / 1230P	"	2.0	1.11	0.68	0.23	0.75		.6	4	0	"
154	6/26	150P / 158P	"	1.5	0.66	0.52	0.13	0.34		.6	3	0	"

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK

AT NEAR mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
155	11-20	914A / 920A	BREWSTER	1.5	0.39	1.59	0.20	0.62		.6	3	0	FC12
156	12-27	358P / 404P	"	3.0	0.56	0.77	0.16	0.43		.6	3	0	"
157	1-2	1010A / 1020A	"	3.5	1.64	1.10	0.41	1.8		.6	4	0	"
158	1-8	340P / 350P	"	5.0	1.32	1.21	0.36	1.6		.6	5	0	"
159	5-14	1122A / 1130A	"	2.0	0.49	1.06	0.18	0.52		.6	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F31-R

Daily discharge, in second-feet of LIVE OAK CREEK near Mouth of Canyon for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.6	0	0	0	0	0	0	0	0
2	0	0	0	1.6	0	0	0	0	0	0	0	0
3	0	0	0	1.5	0.1	0	0	0	0	0	0	0
4	0	0	0	1.5	0	0	0	0	0	0	0	0
5	0	0	0	1.5	0	0	0	0	0	0	0	0
6	0	0	0	1.4	0	0	0	0	0	0	0	0
7	0	0	0	1.4	0	0	0	0	0	0	0	0
8	0	0	0	1.3	0	0	0	0	0	0	0	0
9	0	0	0	0.8	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	0.2	0	0	0
12	0	0	0	0	0	0	0	0	0.7	0	0	0
13	0	0	0	0	0	0	0	0	0.9	0	0	0
14	0	0	0	0	0	0	0	0	0.9	0	0	0
15	0	0	0	0	0	0	0	0	0.9	0	0	0
16	0	0	0	0	0	0	0	0	0.9	0	0	0
17	0	0	0	0	0	0	0	0	0.9	0	0	0
18	0	0	0	0	0	0	0	0	0.8	0	0	0
19	0	0	0	0	0	0	0	0	0.7	0	0	0
20	0	0	0	0	0	0	0	0	0.7	0	0	0
21	0	0	0	0	0	0	0	0	0.7	0	0	0
22	0	0	0.6	0	0	0	0	0	0.7	0	0	0
23	0	0	2.7	0	0	0	0	0	0.6	0	0	0
24	0	0	0	0	0	0	0	0	0.6	0	0	0
25	0	0	0.6	0	0	0	0	0	0.5	0	0	0
26	0	0	1.7	0	0	0	0	0	0.4	0	0	0
27	0	0	1.7	0	0	0	0	0	0.2	0	0	0
28	0	0	1.7	0	0	0	0	0	0	0	0	0
29	0	0	1.7	0		0	0	0	0	0	0	0
30	0	0	1.6	0		0.2	0	0	0	0	0	0
31	0		1.6	0		0.1		0		0	0	
	0	0	139	126	0.1	0.3	0	0	113	0	0	0
MEAN	0	0	0.45	0.42	.004	0.01	0	0	0.38	0	0	0
ACRE-FEET	0	0	28.	25.	0.20	0.60	0	0	22.	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 76.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 31-R

Daily discharge, in second-feet of LIVE OAK CREEK near Mouth of Canyon for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.9	0	0	0	0	0	0	0	0
2	0	0	0	1.8	0	0	0	0	0	0	0	0
3	0	0	0	1.8	0	0	0	0	0	0	0	0
4	0	0	0	1.6	0	0	0	0	0	0	0	0
5	0	0	0	1.6	0	0	0	0	0	0	0	0
6	0	0	0	1.6	0	0	0	0	0	0	0	0
7	0	0	0	1.6	0	0	0	0	0	0	0	0
8	0	0	0	1.2	0	0	0	0	0	0	0	0
9	0	0	0	0.04	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	0.2	0	0	0	0
15	0	0	0	0	0	0	0	0.5	0	0	0	0
16	0	0	0	0	0	0	0	0.6	0	0	0	0
17	0	0	0	0	0	0	0	0.4	0	0	0	0
18	0	0	0	0	0	0	0	0.1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	a 0.1	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	0.2	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	0.02	0	0	0	0	0	0	0	0	0
26	0	0	0.4	0	0	0	0	0	0	0	0	0
27	0	0	0.2	0	0	0	0	0	0	0	0	0
28	0	0	0.04	0	0	0	0	0	0	0	0	0
29	0	0	0.01	0		0	0	0	0	0	0	0
30	0	0	1.0	0		0	0	0	0	0	0	0
31	0		1.8	0		0		0		0	0	
	0	0.3	3.47	13.14	0	0	0	2.4	0	0	0	0
MEAN	0	0.01	0.11	0.42	0	0	0	0.08	0	0	0	0
ACRE-FEET	0	0.60	6.9	26	0	0	0	4.8	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.05
ACRE-FEET 38.3

STATION F5B-R
LOS ANGELES RIVER below Sepulveda Boulevard

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

DRAINAGE AREA: 157 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: AT STATION F5B-R - LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 7 FEET ABOVE GAGE.

RECORDER: INSTALLED DECEMBER 19, 1928 AT STATION F5-R. REMOVED MARCH 2, 1938. REINSTALLED APRIL 28, 1938. MOVED TO STATION F5B-R ON AUGUST 23, 1941 AND INSTALLED OVER A 24 INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. COMMUNICATION TO WELL IS THROUGH 31 FEET OF 36 INCH CORRUGATED IRON PIPE. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1944 TO SEPTEMBER 30, 1947.

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

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

RECORDS AVAILABLE:
AT STATION F5-R - DECEMBER 19, 1928 TO MARCH 2, 1938, AND FROM APRIL 28, 1938 TO AUGUST 23, 1941.
AT STATION F5B-R - AUGUST 23, 1941 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 2,500 SECOND-FEET, DECEMBER 21.
MINIMUM 6.0 SECOND-FEET, VARIOUS TIMES.
1946-1947
MAXIMUM 881, SECOND-FEET, DECEMBER 26.
MINIMUM 6.0 SECOND-FEET, NOVEMBER 2 & 7.
1929-1947
MAXIMUM 12,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM FLOW NEGLIGIBLE AT VARIOUS TIMES.

ACCURACY: RECORDS FAIR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Below Sepulveda Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
376	10/4	1038A / 1046A	BOLLINGER	14.0	10.3	1.04	1.25	10.7		.6	10	0	FC5
377	10/11	823A / 832A	"	14.0	9.13	1.12	1.10	10.2		.6	10	+.01	"
378	10/18	1017A / 1028A	DEVORE - LINDSEY	18.5	10.2	1.02	1.13	10.4		.6	11	0	FC42
379	10/25	211P / 225P	DEVORE	18.0	9.76	1.00	1.09	9.8		.6	11	0	"
380	11/1	252P / 307P	"	18.0	10.0	1.05	1.13	10.5		.6	12	0	"
381	11/8	255P / 310P	HAIG	15.5	10.0	0.99	1.10	9.9		.6	11	0	FC35
382	11/15	1135A / 1145A	"	15.0	8.36	1.01	1.00	8.4		.6	10	0	"
383	11/23	140P / 200P	"	16.0	8.12	0.96	0.98	7.8		.5	10	0	"
384	11/29	155P / 210P	"	16.0	9.12	1.00	1.05	9.1		.5	10	0	"
385	12/6	1250P / 110P	"	27.0	64.7	1.04	3.65	67.3		.6	14	0	"
386	12/13	1125A / 1145A	"	26.5	62.0	1.06	3.42	65.7		.6	13	0	"
387	12/20	1130A / 1155A	"	25.5	54.2	1.12	3.25	62.5		.6	19	0	"
388	12/23	320P / 340P	"	30.0	104.	2.12	4.98	220.		.6	7	-.12	"
389	12/27	1240P / 1256P	"	26.0	61.4	1.29	3.29	79.0		.6	8	0	"
390	1/3	1124A / 1158A	"	23.0	53.4	1.29	2.92	69.0		.6	8	+.01	"
391	1/10	1225P / 1245P	"	12.0	40.6	1.60	2.86	64.9		.6	14	0	"
392	1/17	1210P / 1225P	"	22.5	43.5	1.59	2.83	69.2		.6	12	0	"
393	1/24	1005A / 1025A	"	21.0	39.7	1.52	2.80	60.3		.6	12	0	"
394	1/31	1125A / 1140A	"	15.0	11.4	0.97	1.13	11.0		.6	11	0	"
395	2/7	1025A / 1040A	"	16.0	8.75	1.23	0.93	10.8		.5	10	0	"
396	2/14	115P / 130P	"	16.0	9.39	1.00	0.93	9.4		.6	10	0	"
397	2/18	205P / 218P	"	15.5	8.85	1.08	0.92	9.5		.6	8	0	"
398	2/21	1105A / 1115A	"	15.5	9.06	1.03	0.89	9.3		.6	10	0	"
399	2/27	1113A / 1125A	HAIG	16.5	8.69	1.00	0.87	8.7		.6	10	0	FC35
400	3/7	258P / 313P	"	16.0	8.43	1.02	0.87	8.6		.6	11	0	"
401	3/14	1258P / 112P	"	18.5	9.30	1.00	0.85	9.3		.6	11	-.04	"
402	3/20	1103A / 1118A	"	20.0	15.1	1.21	1.18	18.2		.6	10	-.05	"
403	3/21	1050A / 1100A	"	16.5	10.7	1.16	0.89	12.4		.5	10	0	"
404	3/25	235P / 245P	"	15.5	8.38	1.07	1.05	8.9		.5	10	0	"
405	3/28	815A / 830A	"	20.0	14.7	1.07	1.37	15.8		.6	11	-.10	"
406	3/30	250A / 305A	"	26.0	65.8	1.46	3.80	96.1		.6	6	+.17	"
407	3/30	1205P / 1222P	"	33.0	114.	2.18	5.33	249.		.6	7	-.04	"
408	4/4	250P / 300P	"	16.0	10.0	1.07	1.04	10.7		.6	8	0	"
409	4/11	1055A / 1107A	"	15.5	9.14	1.33	1.04	12.2		.6	9	0	"
410	4/18	1032A / 1042A	"	15.0	9.38	1.06	1.02	9.9		.6	9	0	"
411	4/25	1015A / 1035A	"	25.0	59.9	1.44	3.46	86.1		.6	13	-.02	"
412	5/2	1040A / 1050A	"	15.0	9.85	1.03	1.00	10.2		.5	9	0	"
413	5/9	1118A / 1130A	"	15.0	9.08	0.95	0.95	8.6		.5	10	0	"
414	5/16	954A / 1004A	"	16.0	9.06	0.90	0.92	8.2		.5	10	0	"
415	5/21	240P / 250P	"	14.5	8.62	1.00	0.94	8.7		.5	10	0	"
416	5/23	1035A / 1050A	"	15.0	9.23	1.02	0.93	9.4		.5	9	0	"
417	5/31	1110A / 1123A	"	13.5	8.68	0.94	0.91	8.2		.5	10	0	"
418	6/6	1055A / 1108A	"	16.0	8.84	0.92	0.92	8.1		.6	11	0	"
419	6/13	935A / 948A	BROWN	17.5	10.2	0.95	1.04	9.7		.6	9	0	FC24
420	6/20	1040A / 1055A	HAIG	16.0	10.4	0.82	0.97	8.5		.6	10	0	FC35
421	6/27	1210P / 1222P	"	17.0	9.26	0.93	0.95	8.6		.5	10	0	"
422	7/5	1114A / 1130A	HAIG	15.4	8.55	0.91	0.90	7.8		.5	13	0	FC35
423	7/11	1140A / 1158A	"	15.5	8.58	0.92	0.84	7.9		.5	13	0	"
424	7/17	115P / 130P	"	15.5	9.03	0.92	0.89	8.3		.6	13	0	"
425	7/25	115P / 125P	"	16.0	8.52	0.87	0.87	7.4		.5	11	0	"
426	8/1	1015A / 1030A	"	15.5	8.50	0.94	0.87	8.0		.5	11	0	"
427	8/7	338P / 350P	"	15.0	7.67	0.99	0.86	7.6		.5	10	0	"
428	8/15	925A / 935A	BOLLINGER	16.0	8.89	0.94	0.89	8.3		.6	12	0	FC6
429	8/22	823A / 835A	"	16.0	9.20	0.86	0.94	7.9		.6	12	+.01	"
430	8/28	1127A / 1135A	WADDICOR-BOLLINGER	16.0	9.04	0.87	0.94	7.9		.6	10	-.01	"
431	9/4	907A / 915A	WADDICOR	14.3	8.76	0.99	0.92	8.7		.6	8	0	FC37
432	9/13	928A / 937A	BOLLINGER	13.5	8.03	1.00	0.85	8.0		.6	10	0	FC6
433	9/20	917A / 927A	"	14.0	9.22	1.04	0.94	9.6		.6	11	0	"
434	9/27	800A / 812A	"	13.0	8.15	0.92	0.96	7.5		.6	11	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT below Sepulveda Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
435	10-3	1003A / 1014A	WADDICOR	13.5	21.8	1.06	1.85	23.2		.6	7	-.01	FC37
436	10-10	1040A / 1048A	WADDICOR VAN DER GOOT	12.8	9.34	0.79	0.77	7.4		.6	8	0	"
437	10-17	1008A / 1018A	WADDICOR	13.5	17.9	0.99	1.45	17.7		.6	7	0	"
438	10-24	944A / 954A	"	14.0	21.0	1.07	1.76	22.4		.6	8	0	"
439	10-31	944A / 954A	"	13.0	11.5	0.69	0.92	8.0		.6	8	0	"
440	11-7	1004A / 1014A	"	12.5	9.8	0.60	0.80	5.9		.6	7	0	"
441	11-12	847A / 904A	WADDICOR-OCAMPO	12.0	19.8	0.76	1.88	15.1		.6	6	-.01	"
442	11-13	103P / 120P	" "	39.0	251.	2.48	8.81	623.		.6	8	+.22	"
443	11-13	155P / 214P	" "	45.0	261.	2.58	9.07	673.		.6	9	-.15	"
444	11-14	953A / 1005A	" "	27.0	79.0	1.82	4.32	144.		.6	6	-.07	"
445	11-20	208P / 217P	" "	21.0	39.0	1.41	2.67	55.0		.6	5	-.01	"
446	11-23	1224P / 1245P	" "	40.0	215.	2.20	7.98	473.		.6	8	+.11	"
447	11-29	933A / 943A	WADDICOR	14.0	13.7	0.69	0.87	9.5		.6	7	0	"
448	12-5	957A / 1008A	"	13.0	11.5	0.70	0.83	8.0		.6	7	0	"
449	12-6	102P / 112P	WADDICOR-OCAMPO	13.0	15.4	0.83	1.14	12.8		.6	7	0	"
450	12-19	947A / 958A	WADDICOR	12.5	10.9	0.70	0.82	7.6		.6	7	0	"
451	12-26	220A / 235A	WADDICOR-OCAMPO	41.0	282.	3.10	9.50	874.		.6	6	+.10	"
452	12-26	1008A / 1018A	" "	30.0	126.	2.54	5.75	320.		.6	6	-.02	"
453	12-27	1155A / 1205P	" "	25.0	47.0	1.86	3.05	87.3		.6	6	-.01	"
454	1-2	1045A / 1055A	WADDICOR	12.5	16.0	0.52	0.89	8.3		.6	7	0	"
455	1-9	1038A / 1048A	"	13.5	17.1	0.90	1.00	15.4		.6	7	0	"
456	1-16	947A / 957A	"	13.0	14.8	0.57	0.88	8.4		.6	7	0	"
457	1-23	946A / 956A	"	12.0	12.9	0.56	0.83	7.2		.6	8	0	"
458	1-30	1014A / 1024A	"	11.5	13.4	0.51	0.82	6.8		.6	8	0	"
459	2-6	1052A / 1100A	WADDICOR	15.5	20.0	0.51	0.90	10.2		.6	8	0	FC37
460	2-13	1015A / 1025A	WADDICOR-BLAKELY	24.5	60.0	1.64	3.61	98.3		.6	6	0	"
461	2-20	1040A / 1052A	BLAKELY	26.0	59.0	1.71	3.58	101.		.6	6	-.01	FC35
462	2-27	1040A / 1054A	"	20.0	35.0	1.42	2.48	49.6		.6	6	0	"
463	3-6	1040A / 1051A	"	21.0	36.0	1.60	2.50	57.5		.6	7	0	"
464	3-13	1027A / 1035A	"	15.0	15.0	0.88	1.00	13.2		.6	8	0	"
465	3-20	1031A / 1039A	"	15.5	15.2	0.84	0.94	12.7		.6	9	+.01	"
466	3-27	1053A / 1100A	"	15.4	12.9	0.88	0.88	11.4		.6	8	0	"
467	4-3	1050A / 1058A	"	15.0	11.7	0.90	0.87	10.5		.6	9	-.01	"
468	4-10	1143A / 1148A	"	15.4	12.5	0.86	0.92	10.7		.6	8	0	"
469	4-17	1206A / 1212P	BLAKELY-JOHNSON	14.5	11.1	0.82	0.83	9.1		.6	8	0	"
470	4-24	1018A / 1025A	BLAKELY	15.0	11.5	0.85	0.84	9.8		.6	8	0	"
471	5-1	1048A / 1052A	"	15.5	10.9	0.90	0.79	9.8		.6	8	0	"
472	5-8	1052A / 1058A	"	15.0	10.8	1.00	0.79	10.8		.6	8	0	"
473	5-15	1016A / 1023A	"	14.7	9.73	1.00	0.74	9.7		.6	8	0	"
474	5-21	1045A / 1105A	STUNDEN	12.0	11.7	0.67	0.69	7.8		.6	12	0	FC36
475	6-2	1237P / 1245P	BLAKELY	14.7	8.93	0.94	0.67	8.4		.6	8	0	FC35
476	6-5	1123A / 1128A	"	14.6	9.35	0.93	0.70	8.7		.6	8	0	"
477	6-12	1116A / 1121A	"	14.8	10.7	0.93	0.75	10.0		.6	8	0	"
478	6-20	1135A / 1141A	"	14.5	9.71	0.88	0.69	8.5		.6	8	0	"
479	6-26	1123A / 1130A	"	14.5	9.68	0.87	0.67	8.4		.6	8	0	"
480	7-2	103P / 112P	BOLLINGER	13.2	9.16	0.84	0.62	7.7		.6	9	0	FC6
481	7-10	214P / 220P	BLAKELY	14.6	8.54	0.83	0.60	7.1		.6	8	0	FC35
482	7-17	1102A / 1109A	"	14.7	9.60	0.90	0.64	8.6		.6	8	0	"
483	7-24	1114A / 1121A	"	14.5	9.56	0.90	0.65	8.6		.6	8	0	FC35
484	7-31	1030A / 1037A	"	14.8	9.64	0.87	0.65	8.4		.6	8	0	"
485	8-7	130P / 136P	BLAKELY VAN DER GOOT	14.5	8.67	0.86	0.60	7.5		.6	8	0	"
486	8-13	950A / 1000A	TURNER	13.5	8.11	0.90	0.62	7.3		.6	8	0	FC43
487	8-20	855A / 905A	"	14.0	8.07	0.92	0.59	7.4		.6	8	0	"
488	8-28	1039A / 1050A	BLAKELY	14.5	10.2	0.98	0.67	10.0		.6	8	0	FC35
489	9-4	1009A / 1016A	"	14.5	9.23	0.91	0.61	8.4		.6	8	0	"
490	9-11	1100A / 1108A	"	14.5	8.40	0.92	0.59	7.7		.6	8	0	"
491	9-18	1108A / 1115A	"	14.5	7.82	0.93	0.56	7.3		.6	8	0	"
492	9-25	1045A / 1051A	"	14.1	7.19	0.96	0.56	6.9		.6	8	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F58-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Boulevard, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	11	8.6	69	9.9	a 8.7	12	10	8.4	8.0	8.0	8.3
2	10	10	8.5	69	9.6	8.7	36	10	8.4	8.2	7.9	8.4
3	11	10	8.5	70	41	8.6	54	9.9	8.5	8.0	8.0	8.2
4	10	10	8.7	67	16	8.6	31	9.6	8.5	8.0	a 6.0	8.3
5	9.8	10	8.6	68	11	8.6	a 11	9.4	8.2	7.7	a 6.6	8.1
6	11	9.8	50	70	11	a 8.6	a 14	9.2	8.2	7.7	a 6.8	8.1
7	11	9.2	70	92	11	8.6	a 41	8.9	8.2	7.7	a 7.1	8.2
8	11	9.4	70	68	11	8.6	a 82	8.9	8.2	7.9	7.8	8.2
9	10	9.1	69	67	11	8.6	▼ 58	8.7	8.1	7.8	7.8	8.4
10	10	9.0	68	65	10	8.6	19	8.8	8.2	7.8	8.0	8.3
11	10	8.7	67	65	9.9	8.5	12	8.7	8.1	7.9	8.0	7.8
12	10	8.6	67	65	9.7	8.5	12	8.4	8.7	8.0	7.9	7.9
13	10	8.5	66	67	9.5	8.5	12	8.5	9.5	8.0	8.0	8.0
14	10	8.3	64	68	9.4	9.0	11	8.3	9.2	8.2	8.2	8.1
15	10	8.3	63	70	9.4	9.2	11	8.2	8.9	8.8	8.3	8.2
16	10	8.3	64	69	9.5	a 9.2	10	8.2	8.6	8.2	8.4	8.5
17	10	8.3	65	68	9.6	a 9.2	10	8.4	8.5	8.4	8.6	8.7
18	10	9.0	65	67	9.5	a 9.2	9.9	8.4	8.5	8.5	8.5	8.7
19	10	8.8	65	66	9.5	17	9.8	8.7	8.2	8.5	8.2	8.7
20	10	8.5	63	64	9.5	16	9.7	8.7	8.3	7.8	7.9	8.7
21	10	8.5	256	63	9.3	12	9.6	8.7	8.3	7.9	7.8	8.7
22	11	8.2	479	62	9.2	11	14	9.4	8.4	7.7	7.7	8.9
23	10	7.8	228	62	9.0	10	47	9.4	8.5	7.6	7.7	9.6
24	10	8.5	59	60	8.9	9.8	85	9.2	8.6	7.6	7.7	8.9
25	9.9	8.3	68	60	a 8.8	8.9	88	9.1	8.6	7.5	7.4	9.5
26	10	8.3	78	58	a 8.7	8.8	72	8.9	8.7	7.5	7.2	9.5
27	10	8.5	77	58	a 8.7	8.9	66	8.8	8.7	7.5	7.4	9.5
28	12	8.5	69	59	8.7	12	67	8.6	8.5	7.7	7.7	15
29	12	9.0	78	14		11	69	8.4	8.2	8.1	7.7	20
30	12	8.6	78	11		140	40	8.2	8.1	8.5	7.9	23
31	11		74	11		26		8.2		8.0	8.0	
	321.7	267.0	2562.9	1892	3083	448.9	1023.0	274.8	254.0	246.7	240.2	268.4
MEAN	10.4	8.90	82.7	61.0	11.0	14.5	34.1	8.86	8.47	7.96	7.75	9.61
ACRE-FEET	638.	530.	5,080.	3,750.	611.	890.	2,030.	545.	504.	489.	476.	573.

Remarks:

YEAR OR PERIOD MEAN 22.3
ACRE-FEET 16,120

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

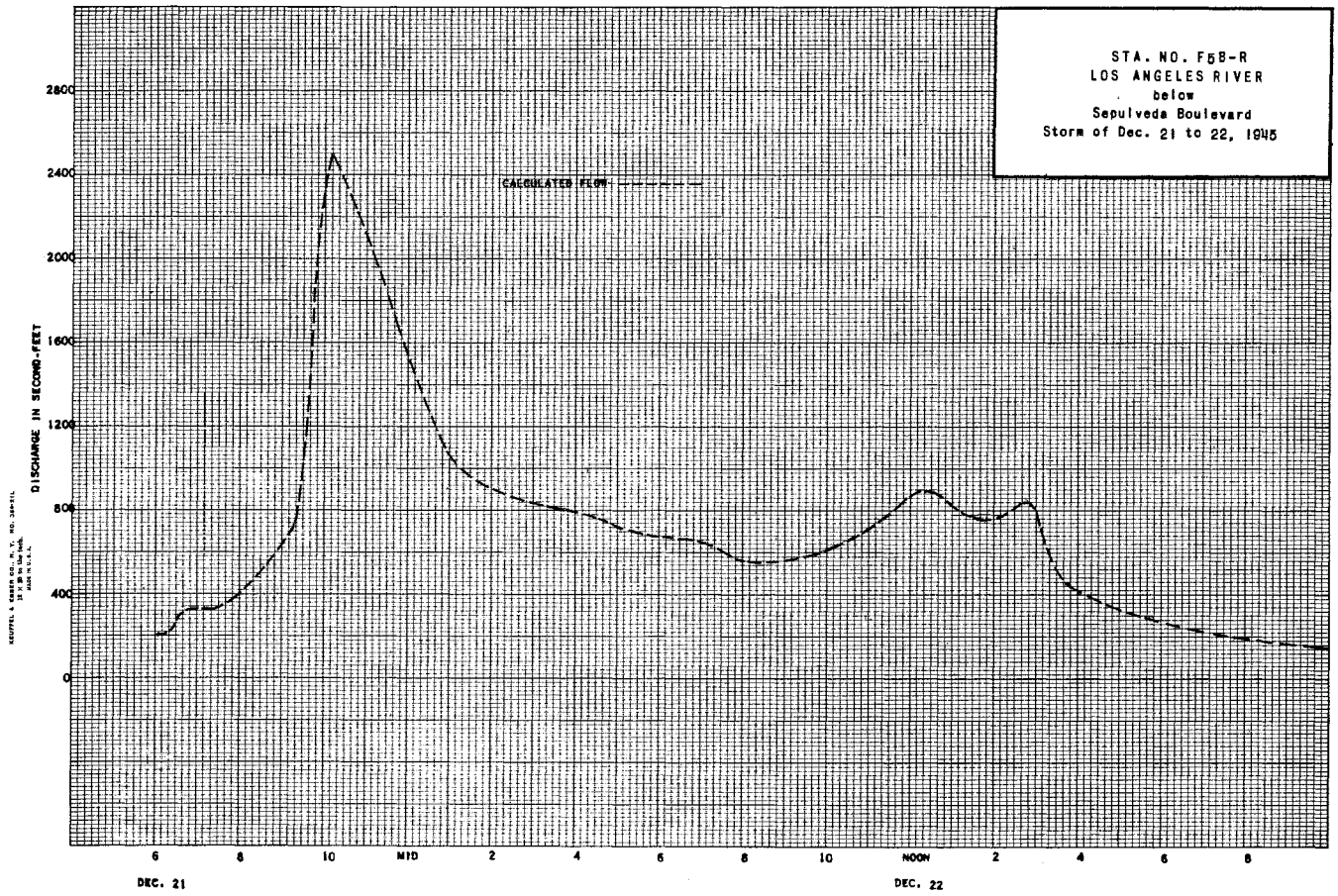
Sta. No. F 58-R

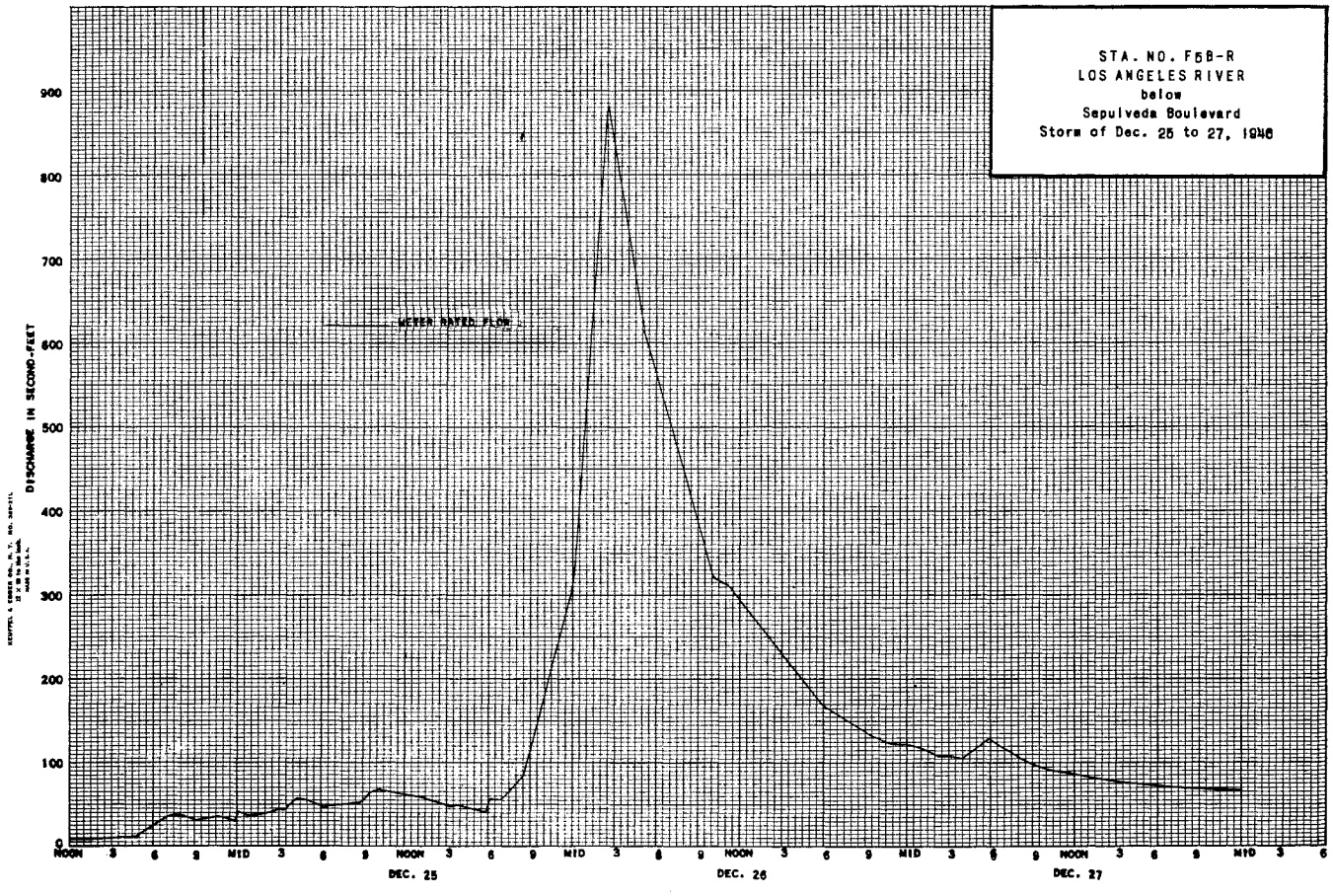
Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	a 7.0	8.6	8.8	47	51	10	9.9	8.3	a 7.9	8.1	7.8
2	24	6.0	8.4	8.3	30	50	10	9.7	8.6	f 7.8	7.9	8.1
3	23	6.0	8.1	22	9.0	49	10	9.3	8.4	8.1	8.5	8.1
4	18	6.0	7.9	56	9.3	49	10	9.0	8.1	8.1	8.1	8.4
5	11	6.0	7.8	42	9.3	65	9.9	9.1	8.4	7.9	7.8	8.4
6	17	6.0	16	13	10	58	10	9.1	8.4	7.6	8.1	8.1
7	18	6.0	13	13	22	58	10	9.7	8.6	7.8	7.4	8.3
8	18	17	8.3	13	49	58	10	10	8.8	7.3	7.9	8.1
9	7.9	8.0	7.9	20	54	58	10	9.5	9.0	7.3	7.8	7.8
10	7.4	7.0	16	38	84	54	10	9.9	8.8	7.3	7.6	7.4
11	12	10	48	64	101	29	9.7	9.9	9.1	7.4	7.6	7.6
12	21	50	48	33	100	21	9.1	9.5	9.5	7.6	7.3	7.4
13	21	a 300	48	9.7	99	15	9.1	9.3	9.0	7.8	7.3	7.3
14	22	101	48	9.3	100	12	9.5	9.5	8.6	7.9	7.1	7.1
15	22	19	31	9.0	100	12	9.5	9.5	8.4	8.3	7.4	7.0
16	23	13	7.8	8.3	100	12	9.5	9.3	7.9	8.8	7.4	7.1
17	21	11	7.6	25	101	12	9.5	10	8.3	8.8	7.4	7.4
18	a 21	10	7.4	47	101	13	9.9	9.7	8.3	8.8	7.3	7.3
19	a 21	10	7.6	30	101	12	10	9.3	8.3	8.8	7.6	7.6
20	a 22	40	21	7.8	102	13	9.7	8.3	8.3	9.0	7.4	7.6
21	a 22	54	46	7.4	101	14	9.5	7.8	7.9	8.3	7.8	7.3
22	22	51	30	7.3	102	15	9.1	7.9	7.8	8.6	7.9	7.1
23	23	213	7.9	7.3	102	16	9.3	8.4	7.8	8.4	8.1	7.1
24	22	94	15	24	104	13	9.5	8.3	8.3	8.6	7.9	7.1
25	22	53	74	48	85	12	9.5	7.6	8.3	8.8	8.3	7.1
26	22	51	358	28	51	12	9.7	7.3	8.1	8.6	8.8	7.0
27	23	38	91	7.4	51	11	9.9	7.9	7.9	9.0	9.7	7.0
28	23	9.3	63	7.4	50	16	9.7	7.9	7.9	8.4	9.7	7.0
29	23	9.3	47	7.0		12	9.9	8.4	a 7.9	8.3	9.1	6.8
30	18	9.0	25	6.8		11	10	8.6	a 7.9	8.3	8.4	7.0
31	a 8.0		9.0	23		10		8.6		8.3	8.4	
	604.3	1220.6	1142.3	650.8	1974.6	843.0	291.5	278.2	250.9	253.9	247.1	224.4
MEAN	19.2	40.7	36.8	21.0	70.5	27.2	9.72	8.97	8.36	8.19	7.97	7.48
ACRE-FEET	1,200	2,420	2,270	1,290	3,920	1,670	578	552	498	504	490	445

Remarks:

YEAR OR PERIOD MEAN 21.9
ACRE-FEET 15,840


STA. NO. F5B-R
LOS ANGELES RIVER
below
Sepulveda Boulevard
Storm of Dec. 21 to 22, 1945
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
2800
2400
2000
1600
1200
800
400
0
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
DEC. 21
DEC. 22


STA. NO. F5B-R
LOS ANGELES RIVER
below
Sepulveda Boulevard
Storm of Dec. 25 to 27, 1948
METER RATED FLOW
DISCHARGE IN SECOND-FEET
900
800
700
600
500
400
300
200
100
0
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
DEC. 25
DEC. 26
DEC. 27

STATION F266-R
LOS ANGELES RIVER at Mariposa Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'17", LONG. 118°18'40", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTER LINE OF MARIPOSA STREET EXTENDED, AND ABOUT 2 MILES SOUTHEAST OF BURBANK. ELEVATION OF ZERO GAGE HEIGHT, 468.61 FEET

DRAINAGE AREA: 430 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 130 FEET WIDE WITH 18 FOOT VERTICAL SIDE WALLS. BOTTOM FORMS A REGULAR TRAPEZOIDAL SECTION 130 FEET X 82 FEET ON THE BOTTOM BY 1.25 FEET DEEP. CHANNEL FORMS CONTROL. CHANNEL BOTTOM USUALLY COVERED BY MUD, MOSS AND GRASS DURING SUMMER MONTHS.

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

RECORDER: INSTALLED DECEMBER 20, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4.3 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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

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

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 2,250 SECOND-FEET, DECEMBER 22.
MINIMUM 6.0 SECOND-FEET, MARCH 14 & 23.

1946-1947
MAXIMUM 1,220 SECOND-FEET, NOVEMBER 13.
MINIMUM 4.0 SECOND-FEET, MARCH 13.

1938-1947
MAXIMUM 9,040 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM 4.0 SECOND-FEET, MARCH 13, 1947.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT NEAR Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
416	10/4	200P / 214P	BOLLINGER ODEKIRK	85.0	16.7	0.95	0.23	15.8		.6	16	0	FC6
417	10/11	920A / 940A	BOLLINGER	85.0	16.6	1.00	0.23	16.5		.6	17	0	"
418	10/25	330P / 349P	DEVORE	88.5	16.0	1.13	0.22	18.1		.5	10	0	FC42 FLOAT
419	11/8	1250P / 115P	HAIG	83.0	13.7	0.98	0.21	13.4		.6	15	0	FC35
420	11/15	920A / 950A	"	86.0	16.4	0.81	0.21	13.2		.5	21	0	"
421	11/23	1128A / 1150A	"	85.0	14.5	0.82	0.20	11.9		.5	16	0	"
422	11/29	1210P / 1226P	"	85.5	14.5	0.96	0.20	13.9		.5	15	0	"
423	12/6	220P / 287P	"	86.0	15.2	0.88	0.21	13.4		.5	15	0	"
424	12/13	100P / 126P	"	89.0	35.2	1.99	0.36	70.0		.6	17	0	"
425	12/20	110P / 130P	"	89.0	35.1	1.88	0.38	65.9		.5	16	0	"
426	12/27	250P / 306P	"	100.	39.2	2.91	0.46	114.		.6	12	0	"
427	1/3	115P / 140P	"	98.0	35.3	2.75	0.46	96.9		.5	15	+.01	"
428	1/10	155P / 215P	"	96.0	35.3	2.67	0.45	94.4		.5	16	0	"
429	1/17	150P / 208P	"	95.0	37.4	2.50	0.38	93.4		.5	12	0	"
430	1/24	1107A / 1125A	"	95.0	36.4	2.43	0.37	88.6		.5	13	0	"
431	1/31	110P / 122P	"	90.0	25.2	1.59	0.30	40.0		.5	9	0	"
432	2/7	858A / 916A	"	90.0	25.7	1.65	0.29	42.4		.5	11	0	"
433	2/14	232P / 248P	"	92.0	26.6	1.55	0.32	41.3		.5	12	0	"
434	2/21	1250P / 108P	"	92.0	27.5	1.62	0.35	44.5		.5	8	0	"
435	2/27	1045A / 1102A	"	90.0	27.2	1.51	0.32	41.0		.5	11	0	"
436	3/7	1255P / 110P	"	90.0	25.7	1.49	0.30	38.3		.5	11	0	"
437	3/14	242P / 255P	"	85.0	8.47	0.80	0.17	6.8		.5	10	0	"
438	3/21	845A / 905A	HAIG	91.0	27.9	1.61	0.31	44.8		.5	13	0	FC35
439	3/28	1125A / 1145A	"	100.0	45.1	2.77	0.48	125.		.5	13	-.01	"
440	3/30	535A / 610A	"	130.0	145.	6.88	1.18	997.		.6 SURF	15	-.12	"
441	4/4	120P / 135P	"	95.0	35.9	2.22	0.36	79.7		.5	11	0	"
442	4/11	125P / 138P	"	86.0	9.95	0.95	0.16	9.5		.5	10	0	"
443	4/18	1116A / 1130A	"	88.0	15.5	1.02	0.22	15.9		.5	11	0	"
444	4/25	1110A / 1130A	"	95.0	43.3	2.89	0.41	125.		.5	13	0	"
445	5/2	1225P / 1240P	"	88.0	13.2	0.87	0.18	11.5		.5	11	0	"
446	5/9	110P / 126P	"	90.0	17.4	0.89	0.23	15.6		.5	13	-.01	"
447	5/16	1120A / 1145A	"	86.0	15.4	0.90	0.24*	13.8		.5	12	0	"
448	5/23	1135A / 1150A	"	80.0	14.4	1.02	0.23	14.6		.5	13	0	"
449	5/31	1230P / 1245P	"	83.0	14.9	0.98	0.29	14.6		.6	13	0	"
450	6/6	1208P / 1226P	"	82.0	15.9	0.86	0.26	13.7		.5	15	0	"
451	6/13	1200N / 1225P	G. BROWN	90.0	26.2	0.89	0.29	23.4		.6	16	0	FC24
452	6/20	1240P / 100P	HAIG	91.0	18.7	0.86	0.25	16.0		.5	15	-.01	FC35
453	6/27	120P / 125P	"	91.0	19.4	0.86	0.27	16.7		.5	19	0	"
454	7/5	1240P / 1257P	"	92.0	24.5	0.73	0.35	17.8		.5	19	0	"
455	7/11	1255P / 108P	"	95.0	17.5	0.87	0.38	15.2		.5	14	0	"
456	7/18	1212P / 1230P	"	91.0	17.1	0.93	0.34	15.9		.5	11	0	"
457	7/25	1125A / 1137A	"	89.0	13.0	1.00	0.33	13.0		.5	14	0	"
458	8/1	1135A / 1155A	"	THREE CHANNELS			0.29	12.5		.5	19	0	"
459	8/8	938A / 952A	"	80.0	12.2	0.96	0.21	11.7		.5	10	0	"
460	8/15	103P / 118P	BOLLINGER	81.0	11.2	0.95	0.20	10.7		.5	12	0	FC6
461	8/22	1000A / 1012A	"	85.5	12.6	0.93	0.20	11.7		.5	11	0	"
462	8/28	105P / 115P	BOLLINGER WADDICOR	79.5	13.8	0.82	0.20	11.3		.6	11	0	"
463	9/4	1021A / 1035A	WADDICOR	80.0	10.5	0.89	0.20	9.3		.6	10	0	FC37
464	9/13	1108A / 1121A	BOLLINGER	85.0	10.6	0.97	0.22	10.3		.5	11	0	FC6
465	9/20	1050A / 1104A	BOLLINGER	85.0	10.7	0.86	0.20	9.2		.5	11	0	"
466	9/27	933A / 946A	"	87.0	11.2	0.95	0.22	10.6		.5	11	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
467	10-3	1100A / 1112A	WADDICOR	86.0	15.7	0.89	0.21	14.0		.6	10	0	FC37
468	10-17	1114A / 1135A	"	94.0	14.9	0.80	0.21	11.9		.6	11	0	"
469	10-31	1054A / 1110A	"	79.5	15.0	0.91	0.23	13.6		.6	10	0	"
470	11-14	1208P / 1220P	WADDICOR-OCAMPO	81.0	51.2	3.48	0.56	178.		.6	10	-.01	"
471	11-21	1037A / 1050A	WADDICOR	84.0	31.7	2.33	0.40	73.8		.6	9	0	"
472	11-29	1050A / 1105A	"	83.0	21.7	1.38	0.29	29.9		.6	10	0	"
473	12-6	750A / 802A	WADDICOR-OCAMPO	79.0	25.8	2.37	0.41	61.2		.6	9	0	"
474	12-12	1127A / 1139A	WADDICOR	TWO CHANNELS			0.50	46.6		.6	9	0	"
475	12-19	1056A / 1110A	"	"	"		0.43	34.7		.5	14	0	"
476	1-2	1230P / 1242P	"	82.0	23.6	1.39	0.30	32.8		.6	10	0	"
477	1-9	1213P / 1223P	"	85.0	23.3	1.47	0.31	34.2		.6	11	0	"
478	1-16	1105A / 1120A	"	83.5	23.2	1.47	0.30	34.1		.6	10	0	"
479	1-23	1105A / 1118A	"	81.5	21.0	1.51	0.32	31.8		.5	10	0	"
480	1-30	1123A / 1135A	"	84.0	22.6	1.36	0.30	30.7		.6	10	0	"
481	2-13	1137A / 1147A	WADDICOR-BLAKELY	93.0	40.3	2.63	0.47	106.		.6	11	0	"
482	2-20	116P / 130P	BLAKELY	98.0	46.4	2.84	0.46	132.		.5	13	0	FC35
483	2-27	122P / 137P	"	100.0	35.2	2.72	0.47	95.6		.5	12	0	"
484	3-6	126P / 140P	"	TWO CHANNELS			0.49	91.9		.5	14	0	"
485	3-13	1120A / 1131A	"	"	"		0.40	49.9		.5	11	0	"
486	3-20	107P / 115P	"	"	"		0.30	13.3		.5	11	0	"
487	3-27	125P / 134P	"	"	"		0.27	15.0		.5	10	0	"
488	4-3	1252P / 102P	"	"	"		0.26	14.0		.5	12	0	"
489	4-10	131P / 140P	"	"	"		0.28	15.9		.5	12	0	"
490	4-17	930A / 940A	BLAKELY-JOHNSON	"	"		0.29	17.4		.5	13	0	"
491	4-24	1122A / 1133A	BLAKELY	"	"		0.30	16.2		.5	17	0	"
492	5-1	120P / 130P	"	"	"		0.34	16.2		.5	14	0	"
493	5-15	106P / 120P	"	"	"		0.39	16.1		.5	18	0	"
494	5-21	1210P / 1235P	STUNDEN	THREE CHANNELS			0.39	14.3		.5	17	0	FC36
495	6-2	131P / 141P	BLAKELY	TWO CHANNELS			0.34	12.6		.5	11	0	FC35
496	6-5	305P / 315P	"	"	"		0.32	12.2		.5	12	0	"
497	6-12	101P / 115P	"	"	"		0.31	13.9		.5	16	0	"
498	6-19	1136A / 1152A	"	"	"		0.31	13.9		.5	15	0	"
499	6-26	400P / 414P	"	"	"		0.32	15.3		.5	14	0	"
500	7-2	205P / 225P	BOLLINGER	"	"		0.33	13.8		.5	16	0	FC6
501	7-10	306P / 317P	BLAKELY	"	"		0.34	13.2		.5	12	0	FC35
502	7-17	1245P / 1255P	"	"	"		0.34	13.6		.5	12	0	"
503	7-24	157P / 207P	"	"	"		0.34	12.5		.5	11	0	"
504	7-31	844A / 855A	"	"	"		0.36	12.7		.5	11	0	"
505	8-7	413P / 422P	"	"	"		0.38	13.0		.5	12	0	"
506	8-13	120P / 135P	TURNER	38.0	11.5	1.18	0.38	13.6		.5	10	0	FC43
507	8-20	145P / 200P	"	THREE CHANNELS			0.33	12.1		.5	11	0	"
508	8-28	125P / 131P	BLAKELY	COMPOSITE OF TWO MEAS.				13.9					FC35
509	9-4	1125A / 1130A	"	"	"	"	"	13.5					"
510	9-11	100P / 108P	"	"	"	"	"	14.1					"
511	9-18	115P / 122P	"	"	"	"	"	13.2					"
512	9-25	102P / 109P	"	"	"	"	"	12.2					"

F. C. Dist. Form 55 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F286-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	19	14	116	34	38	58	37	11	16	8.6	11
2	14	16	14	110	31	38	78	11	14	16	11	11
3	14	16	11	105	190	38	84	19	14	16	8.6	11
4	19	16	11	110	68	34	68	46	14	16	8.6	8.6
5	19	16	11	116	46	42	46	34	14	19	11	8.6
6	19	16	23	110	42	42	50	16	14	23	14	8.6
7	19	14	63	116	46	38	73	16	14	23	14	8.6
8	19	14	68	100	50	34	94	16	16	23	11	8.6
9	16	14	68	94	46	34	105	16	16	27	11	11
10	16	14	68	89	38	34	50	19	11	19	11	11
11	16	14	73	94	38	34	23	16	6.0	16	11	11
12	16	14	73	78	46	31	8.6	16	8.6	19	11	11
13	16	14	68	73	46	17	34	16	16	19	11	11
14	16	14	68	78	46	6.0	24	11	19	8.6	11	11
15	16	14	68	84	50	8.6	11	11	19	8.6	11	8.6
16	19	16	68	89	46	11	11	14	19	14	11	8.6
17	19	14	68	94	38	16	14	14	19	16	11	11
18	19	11	63	94	42	23	14	14	23	16	11	11
19	19	11	63	94	42	104	16	14	23	14	11	8.6
20	19	11	68	89	46	66	16	14	19	14	11	8.6
21	19	11	300	89	38	42	16	14	16	14	11	8.6
22	19	11	792	89	42	20	16	14	16	11	14	11
23	19	11	361	94	38	6.0	81	16	14	14	11	11
24	19	11	251	89	31	8.6	116	23	14	14	11	11
25	19	11	158	89	38	11	116	23	16	14	11	8.6
26	19	14	128	89	42	14	105	23	14	11	11	11
27	19	14	110	89	42	19	100	23	16	11	11	11
28	19	14	128	89	38	93	105	19	16	11	11	8.6
29	23	14	134	58		84	110	16	14	8.6	11	14
30	23	14	122	38		446	105	16	16	8.6	11	14
31	19		116	38		89		14		11	11	
	561	413	3631	2784	1340	15212	1747.6	571	461.6	471.4	342.8	307.2
MEAN	18.1	13.8	117.	89.8	47.8	49.1	58.3	18.4	15.4	15.2	11.1	10.2
ACRE-FEET	1,110.	819.	7,200.	5,520.	2,660.	3,020.	3,470.	1,130	916.	935.	680.	609.

Remarks:

YEAR OR PERIOD MEAN 38.8 ACRE-FEET 28,070.

F. C. Dist. Form 28 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

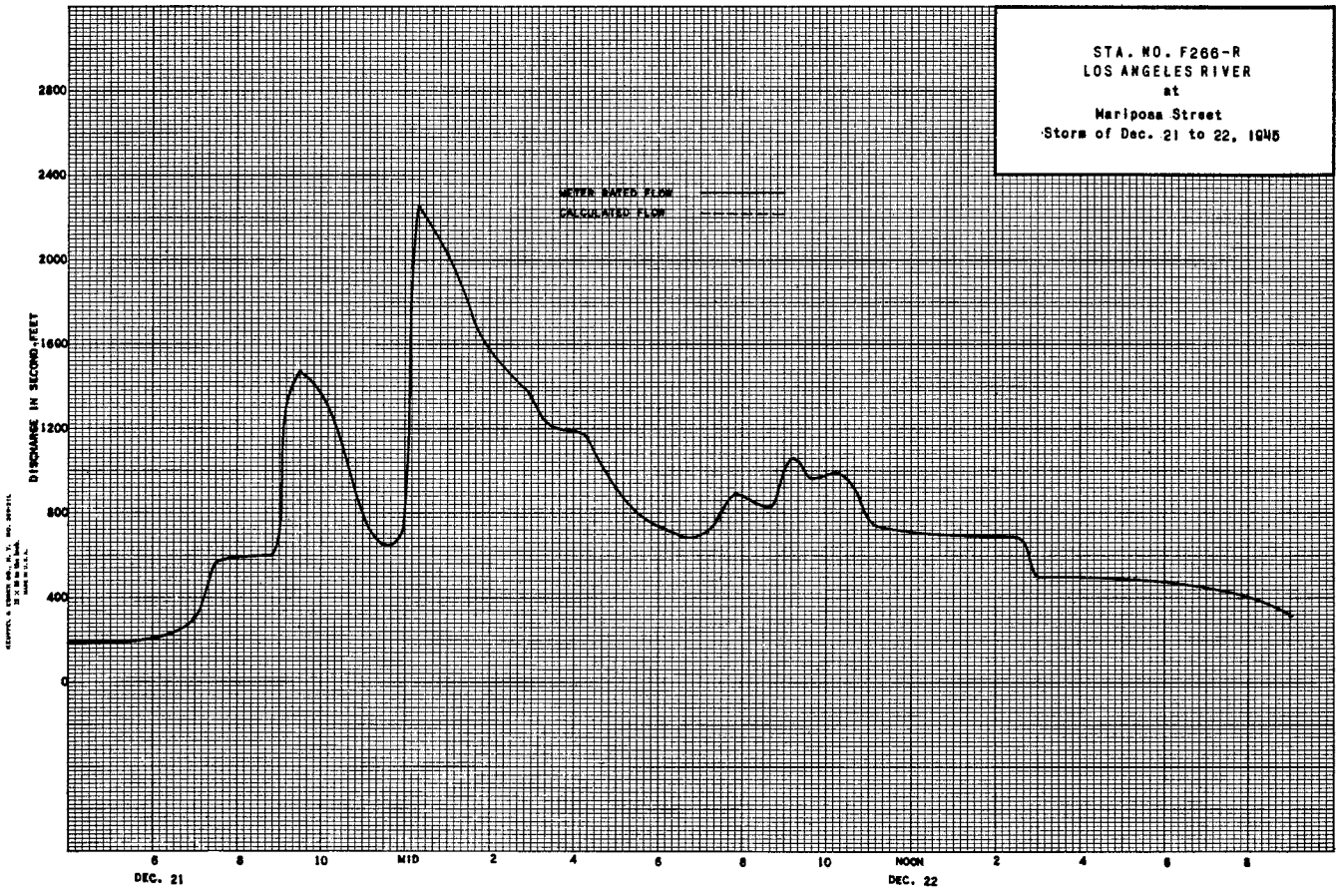
Sta. No. F 266-R

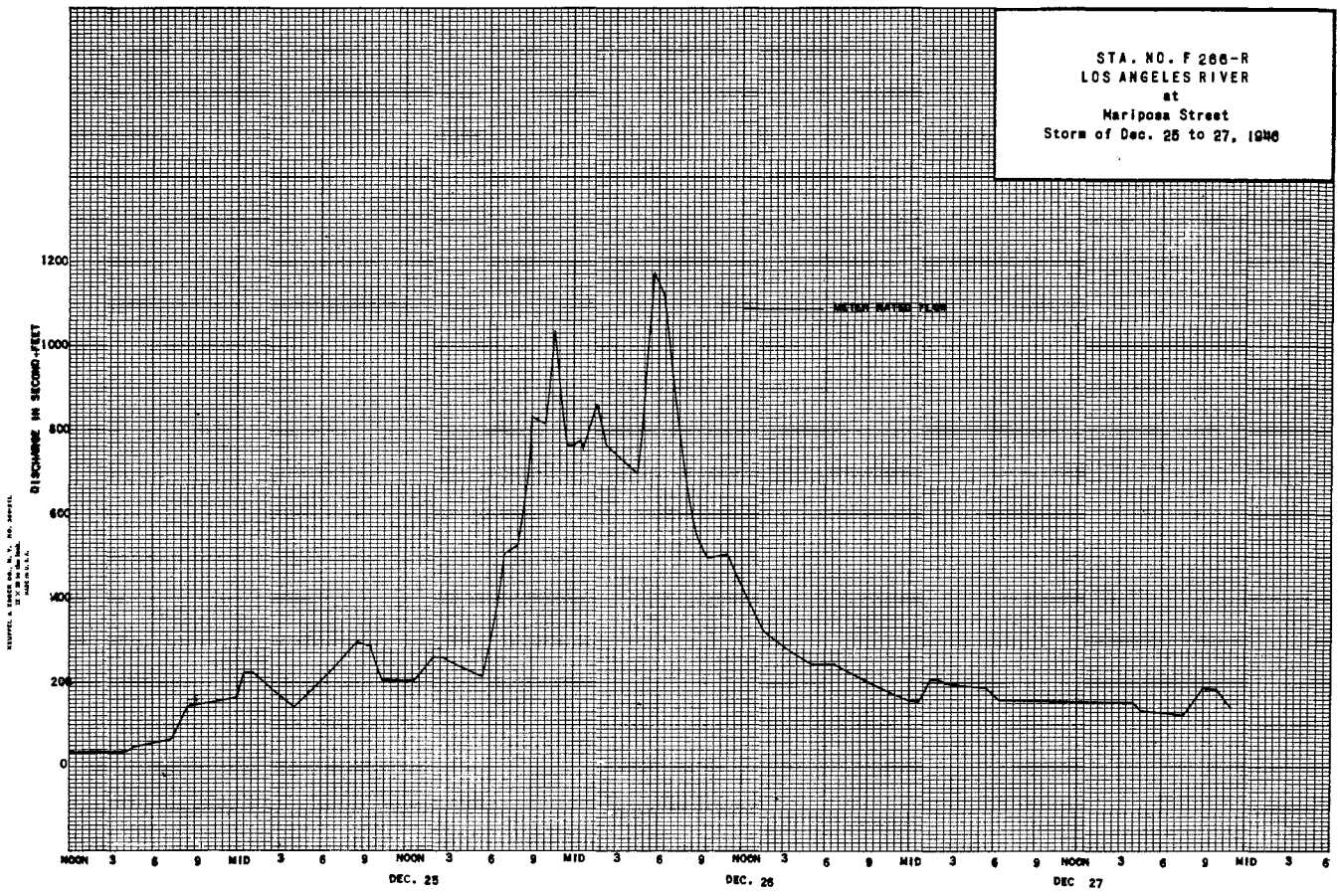
Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	11	27	34	100	100	14	16	13	14	13	14
2	14	11	27	34	78	100	14	16	13	14	13	14
3	19	8.6	27	42	42	100	14	16	13	14	13	14
4	16	8.6	23	68	42	100	14	16	12	14	13	14
5	16	8.6	23	50	42	135	14	16	12	14	13	14
6	16	8.6	39	31	42	94	15	16	12	14	13	14
7	16	11	31	27	46	84	15	16	12	13	13	14
8	16	24	19	23	89	84	16	16	13	13	13	14
9	16	11	▼19	38	113	94	16	16	13	13	13	14
10	14	8.6	19	42	▼90	89	16	16	14	13	14	14
11	11	63	37	58	130	73	16	16	14	13	14	14
12	11	241	47	46	130	58	22	16	14	13	14	14
13	11	500	47	27	130	33	16	16	14	13	14	14
14	11	192	47	27	130	4.0	17	16	14	14	14	14
15	14	54	46	31	130	11	17	16	14	14	14	13
16	55	38	40	31	130	14	17	16	14	14	13	13
17	11	31	35	34	130	16	17	15	14	14	13	13
18	14	27	35	63	130	16	17	15	14	14	12	13
19	14	31	35	58	130	14	17	14	14	14	12	13
20	14	132	35	31	130	25	17	14	14	13	12	13
21	16	73	55	31	130	36	16	14	14	13	12	13
22	16	68	55	31	130	14	16	14	14	12	12	12
23	16	292	▼40	31	130	14	16	14	14	12	13	12
24	16	94	58	38	130	14	16	14	14	12	13	12
25	16	68	341	73	130	14	16	14	14	12	13	12
26	16	63	498	63	100	14	16	14	14	12	14	12
27	36	54	167	38	100	16	16	14	14	12	14	12
28	11	31	▼140	59	▼100	81	16	13	14	13	14	12
29	11	31	100	31		40	16	13	14	13	14	12
30	11	27	68	31		14	16	13	14	13	14	12
31	11		42	50		14		13		13	14	
	533	2221	2222	1271	2934	1515	481	464	407	409	410	395
MEAN	17.2	74.0	71.7	41.0	105	48.9	16.0	15.0	13.6	13.2	13.2	13.2
ACRE-FEET	1,060	4,410	4,410	2,520	5,820	3,000	954	920	807	811	813	783

Remarks:

YEAR OR PERIOD MEAN 36.3
ACRE-FEET 26,310





STATION F570-R
LOS ANGELES RIVER above Arroyo Seco

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'58", LONG. 118°13'35", ON THE RIGHT (WEST) CHANNEL WALL 800 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO. THE FORMER STATION F578-R WAS 450 FEET ABOVE THE JUNCTION WITH THE ARROYO SECO. ELEVATION OF ZERO GAGE HEIGHT, 292.58 FEET.

DRAINAGE AREA: 510 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH AN INVERT 20 FEET WIDE AT TOP. 16 FEET WIDE AT BOTTOM AND 1 FOOT DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED MAY 26, 1938 AT STATION F578-R. REMOVED APRIL 5, 1939. INSTALLED AT STATION F57C-R DECEMBER 8, 1939 IN A 4.5 FT. X 4.5 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. A FRIEZ CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, U.S. ARMY, WAS IN SERVICE FROM OCTOBER 1 1945 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION F266-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN THE GRIFFITH PARK AREA.

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

RECORDS AVAILABLE:
AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.
AT STATION F57B-R - MAY 26, 1938 TO APRIL 5, 1939. APRIL 5, 1939 TO DECEMBER 8, 1939, BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 5,240 SECOND-FEET, DECEMBER 22.
MINIMUM 2.8 SECOND-FEET, SEPTEMBER 15.
1946-1947
MAXIMUM 5,320 SECOND-FEET, DECEMBER 25.
MINIMUM 1.6 SECOND-FEET, AUGUST 6.
1929-1946 (STATIONS F57-R, F57B-R AND F57C-R)
MAXIMUM 68,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

NEAR Above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
743	10/4	354P / 405P	BOLLINGER	17.6	6.49	1.94	0.41	12.6		.6	13	0	FC6
744	10/11	1128A / 1143A	"	17.5	6.67	2.27	0.43	15.1		.6	14	0	"
745	10/18	335P / 345P	DEVORE LINDSAY	17.3	7.07	2.40	0.41	17.0		.6	10	0	FC42
746	10/25	453P / 509P	DEVORE	17.7	7.82	2.44	0.46	19.1		.6	11	0	"
747	10/30	340P / 352P	"	18.5	11.8	3.19	0.66	37.6		.6	9	-.02	"
748	11/1	1015A / 1030A	DEVORE ODEKIRK	17.7	8.07	2.55	0.48	20.6		.6	11	0	"
749	11/8	1020A / 1040A	HAIG	17.7	7.75	2.41	0.43	18.7		.5	11	0	FC35
750	11/15	505P / 525P	"	18.0	7.67	2.17	0.45	16.7		.6	10	0	"
751	11/23	850A / 908A	"	18.0	8.86	1.94	0.50	17.2		.5	14	0	"
752	11/29	920A / 936A	"	18.0	9.77	2.06	0.52	20.0		.6	12	+.01	"
753	12/6	420P / 437P	"	18.0	9.06	2.21	0.52	20.0		.5	11	+.01	"
754	12/13	310P / 328P	"	49.2	18.4	3.79	0.90	69.8		.6	12	0	"
755	12/20	330P / 358P	"	19.3	17.7	4.04	0.94	72.8		.6	12	0	"
756	12/27	358P / 412P	"	THREE CHANNELS			1.09	116.		.6	10	0	"
757	1/3	340P / 400P	"	THREE CHANNELS			1.08	107.		.6	12	0	"
758	1/10	405P / 430P	"	THREE CHANNELS			1.08	96.8		.6	12	0	"
759	1/17	352P / 408P	"	19.5	18.9	4.87	1.08	92.0		.6	11	0	"
760	1/24	215P / 230P	"	19.5	20.4	4.53	1.07	92.3		.6	12	0	"
761	1/31	325P / 340P	"	18.7	12.9	4.23		54.6		.6	10	0	"
762	2/7	405P / 415P	"	19.5	13.3	3.72		49.6		.6	8		"
763	2/11	330P / 345P	"	18.5	12.1	3.70	0.66	44.8		.6	8	0	"
764	2/14	330P / 340P	"	18.5	12.5	3.66	0.66	45.8		.6	8	0	"
765	2/21	338P / 350P	"	38.5	14.4	3.53	0.70	50.7		.6	11	+.01	"
766	2/27	855A / 910A	HAIG	18.5	12.6	3.88	0.71	49.1		.6	11	0	FC35
767	3/7	1140A / 1158A	"	18.5	12.4	3.70	0.71	45.8		.6	12	-.01	"
768	3/14	455P / 507P	"	17.3	5.93	2.07	0.37	12.3		.6	9	0	"
769	3/20	334P / 355P	"	177.0	39.2	3.46	1.12	136.		.6	9	0	"
770	3/21	342P / 358P	"	18.6	13.7	4.02	0.73	55.1		.6	10	-.01	"
771	3/28	232P / 305P	"	177.0	38.0	3.73	1.13	142.		.6 SUR.	17	-.02	"
772	4/4	846A / 903A	"	169.5	26.6	3.53	1.06	93.8		.6	13	0	"
773	4/5	1218P / 122PP	"	18.5	12.9	4.05	0.73	52.3		.6	8	0	"
774	4/11	430P / 442P	P. HAIG W. HAIG	18.3	11.0	3.38	0.60	37.2		.6	9	-.03	"
775	4/12	320P / 335P	HAIG	17.4	6.42	1.95	0.37	12.5		.6	11	0	"
776	4/18	210P / 230P	"	17.5	7.07	2.12	0.40	15.0		.5	11	0	"
777	4/25	205P / 216P	"	177.0	36.7	3.27	1.10	120.		.6	11	0	"
778	5/2	440P / 450P	"	17.5	7.40	2.27	0.43	16.8		.5	13	0	"
779	5/9	420P / 430P	"	18.0	8.38	2.21	0.54	18.5		.6	11	0	"
780	5/16	150P / 210P	"	18.0	10.5	2.23	0.60	23.3		.6	13	+.09	"
781	5/21	850A / 910A	"	17.5	9.59	2.49	0.59	23.8		.6	12	0	"
782	5/23	200P / 216P	"	18.0	9.56	2.25	0.58	21.5		.6	10	0	"
783	5/31	303P / 315P	"	19.0	12.2	1.75	0.74	21.4		.6	12	0	"
784	6/6	210P / 221P	"	18.0	9.76	1.82	0.59	17.9		.6	12	+.02	"
785	6/13	328P / 338P	BROWN	18.5	8.54	1.79	0.52	15.3		.6	12	0	FC24
786	6/20	350P / 406P	HAIG	17.6	8.38	1.79	0.52	15.0		.5	12	0	FC35
787	6/27	325P / 340P	"	17.7	7.61	1.66	0.51	12.6		.5	10	0	"
788	7/5	140P / 155P	"	17.2	7.30	1.71	0.40	12.5		.6	11	0	"
789	7/11	250P / 305P	HAIG	18.0	7.56	1.53	0.45	11.6		.6	11	0	FC35
790	7/18	255P / 310P	"	17.4	7.79	1.46	0.52	11.4		.6	11	0	"
791	7/25	302P / 316P	"	17.3	5.95	1.58	0.40	9.4		.5	12	0	"
792	8/1	150P / 202P	"	17.1	5.15	1.66	0.32	8.5		.5	12	0	"
793	8/8	1055A / 1110A	"	17.3	6.24	1.91	0.37	11.9		.5	12	0	"
794	8/15	240P / 254P	BOLLINGER	17.3	5.86	1.47	0.38	8.6		.6	11	-.01	FC6
795	8/22	355P / 407P	"	17.4	6.19	1.29	0.38	8.0		.6	10	0	"
796	8/18	250P / 302P	BOLLINGER WADDICOR	17.1	5.01	1.36	0.32	6.8		.6	10	0	"
797	9/4	1216P / 1230P	WADDICOR	17.0	4.74	1.18	0.30	5.6		.6	11	0	FC37
798	9/13	256P / 308P	BOLLINGER	17.0	4.68	1.13	0.29	5.3		.6	10	0	FC6
799	9/20	306P / 319P	"	16.9	4.23	0.99	0.27	4.2		.6	11	0	"
800	9/27	1240P / 1255P	"	16.6	3.66	1.26	0.28	4.6		.5	10	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

NEAR above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
801	10-3	100P / 110P	WADDICOR	16.7	4.39	1.61	0.32	7.1		.6	10	0	FC37
802	10-10	1252P / 100P	WADDICOR VAN DER GOOT	16.9	5.13	1.31	0.32	6.7		.6	10	0	"
803	10-17	130P / 142P	WADDICOR	16.0	4.90	1.67	0.35	8.2		.6	10	0	"
804	10-24	1250P / 100P	"	16.3	6.56	1.68	0.45	11.1		.6	9	0	"
805	10-31	1247P / 103P	"	16.9	6.53	1.56	0.43	10.2		.6	10	0	"
806	11-7	1247P / 1258P	"	16.0	6.32	1.33	0.47	8.4		.6	9	0	"
807	11-12	817P / 850P	WADDICOR - OCAMPO	177.	248.	7.61	1.98	1887.		.6	13	-.21	"
808	11-13	912A / 950A	" "	177.	304.	8.28	2.48	2516.		FLOATS	12	+.10	
809	11-14	107P / 112P	" "	177.	96.1	4.65	1.43	448.		"	5	-.03	
810	11-20	314P / 326P	" "	177.	78.2	3.94	1.34	308.		"	9	-.02	
811	11-21	1212P / 1224P	WADDICOR	20.0	18.0	4.67	1.05	84.0		.6	10	0	FC37
812	11-23	1040A / 1047A	WADDICOR - OCAMPO	177.	147.	5.22	1.73	769.		FLOATS	7	-.03	
813	11-29	1249P / 1259P	WADDICOR	17.9	11.5	3.27		37.6		.6	10		FC37
814	12-5	1222P / 1232P	"	17.3	10.4	3.59		37.3		.6	9		"
815	12-6	832A / 838A	WADDICOR - OCAMPO	177.	41.0	3.73	1.13	153.		FLOATS	4		
816	12-12	125P / 107P	WADDICOR	20.0	16.9	3.78	0.94	64.0		.6	10	0	FC37
817	12-19	1247P / 105P	"	18.6	11.2	3.22	0.65	36.4		.6	10	0	"
818	12-25	1115P / 1130P	WADDICOR - OCAMPO	177.	328.	10.3	3.02	3380.		.6	12		"
819	1-2	232P / 242P	WADDICOR	18.6	13.6	4.67		63.5		.6	10		"
820	1-9	200P / 215P	"	16.9	14.1	4.06	0.82	57.2		.6	9	0	"
821	1-16	105P / 120P	"	18.0	11.7	3.59	0.66	42.0		.6	10	0	"
822	1-23	112P / 122P	"	16.4	11.1	3.54	0.68	39.1		.6	9	0	"
823	1-30	150P / 202P	"	18.4	12.6	3.44	0.70	43.3		.6	10	0	"
824	2-6	132P / 142P	"	18.4	12.0	3.45	0.62	41.4		.6	10	0	"
825	2-13	110P / 125P	WADDICOR - BLAKELY	THREE CHANNELS			1.10	114.		.6	11	0	"
826	2-20	220P / 228P	BLAKELY	"	"		1.09	130.		.6	7	0	FC35
827	2-27	240P / 248P	"	20.0	18.8	4.53	0.95	85.2		.6	10	0	"
828	3-6	240P / 249P	"	THREE CHANNELS			0.98	96.4		.6	11	0	"
829	3-13	147P / 154P	"	19.0	13.2	3.71	0.70	48.9		.6	10	0	"
830	3-20	227P / 234P	"	17.5	6.39	1.91	0.42	12.2		.6	7	0	"
831	3-21	1031A / 1041A	"	THREE CHANNELS			0.86	68.2		.6	10	0	"
832	3-27	304P / 310P	"	17.4	6.16	1.69	0.36	10.4		.5	10	0	"
833	4-3	250P / 300P	"	18.0	8.96	2.30	0.50	20.6		.5	10	0	"
834	4-10	250P / 300P	"	17.8	8.45	1.27	0.46	10.7		.5	10	0	"
835	4-17	303P / 310P	BLAKELY - JOHNSON	17.2	5.53	1.34	0.34	7.4		.5	10	0	"
836	4-24	115P / 121P	BLAKELY	17.3	5.76	1.58	0.35	9.1		.6	10	0	"
837	5-1	238P / 245P	"	17.4	6.01	1.46	0.37	8.8		.5	10	0	"
838	5-8	226P / 232P	"	17.6	6.05	1.16	0.41	7.0		.5	10	0	"
839	5-15	300P / 307P	"	17.8	7.06	1.39	0.39	9.8		.5	10	0	"
840	5-21	240P / 300P	STUNDEN	17.6	7.49	1.12	0.45	8.4	.5	.6	12	0	FC36
841	6-2	242P / 252P	BLAKELY	17.6	6.29	1.19	0.37	7.5		.5	10	0	FC35
842	6-5	455P / 505P	"	17.5	6.54	1.27	0.39	8.3		.5	10	0	"
843	6-12	306P / 314P	"	17.3	5.55	1.28	0.31	7.1		.5	10	0	"
844	6-19	201P / 208P	"	17.2	5.20	1.33	0.30	6.9		.5	10	0	"
845	6-26	238P / 244P	"	17.3	5.27	1.31	0.32	6.9		.5	10	0	"
846	7-2	510P / 522P	BOLLINGER	17.3	5.43	1.01	0.38	5.5		.5	11	0	FC6
847	7-10	1005A / 1014A	BLAKELY	17.3	5.41	1.18	0.34	6.4		.5	10	0	FC35
848	7-17	312P / 320P	"	17.3	5.09	1.20		6.1		.5	10	0	"
849	7-24	408P / 416P	"	17.1	4.98	1.18	0.32	5.9		.5	10	0	"
850	7-31	320P / 329P	"	17.2	4.61	0.87	0.20	4.0		.5	10	0	"
851	8-7	925A / 937A	BLAKELY VAN DER GOOT	16.8	2.91	0.69	0.20	2.0		.5	10	0	"
852	8-13	250P / 300P	TURNER	16.5	3.11	0.87	0.16	2.7		.5	11	0	FC43
853	8-20	245P / 255P	"	16.2	2.56	0.82	0.18	2.1		.5	11	0	"
854	8-28	340P / 348P	BLAKELY	16.9	4.06	0.96	0.24	3.9		.5	10	0	FC35
855	9-4	220P / 228P	"	16.9	3.57	1.06	0.22	3.8		.5	11	0	"
856	9-11	300P / 310P	"	17.1	3.97	1.16	0.27	4.6		.5	11	0	"
857	9-18	252P / 300P	"	17.0	4.73	1.20	0.28	5.7		.5	10	0	"
858	9-24	428P / 438P	"	17.1	4.71	1.27	0.27	6.0		.5	10	0	"

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	21	19	109	38	46	88	54	22	14	8.8	5.2
2	15	18	17	107	20	46	121	18	22	15	10	4.6
3	13	17	19	107	710	46	95	20	23	13	8.8	5.2
4	12	15	21	107	104	43	94	30	21	13	8.2	5.2
5	12	12	25	106	54	44	65	41	21	12	8.2	6.4
6	11	20	20	104	51	47	71	16	21	12	8.8	7.0
7	8.8	25	43	104	50	47	94	16	20	12	10	7.0
8	15	19	62	102	48	46	106	19	20	11	12	7.0
9	16	17	63	99	47	43	113	19	17	12	13	6.4
10	15	16	64	97	47	44	80	21	18	12	12	6.4
11	15	16	76	97	44	44	46	20	18	12	11	6.4
12	12	14	71	95	44	40	12	19	19	12	10	7.0
13	13	16	71	95	46	42	24	20	16	12	10	5.8
14	14	16	71	94	46	13	38	20	16	12	10	4.6
15	16	16	69	94	57	13	13	20	15	10	9.4	3.4
16	16	16	69	92	50	13	14	26	13	12	8.8	4.0
17	17	17	68	92	43	17	14	24	13	12	10	4.6
18	17	16	71	92	44	18	16	24	14	11	9.4	5.2
19	18	16	71	92	43	219	18	24	15	12	8.8	5.2
20	17	21	72	92	44	113	19	23	16	13	10	4.6
21	16	20	488	94	46	62	19	24	15	12	9.4	4.0
22	15	19	1880	94	46	40	20	23	14	11	8.2	3.4
23	16	17	860	94	47	17	62	23	12	11	7.6	3.4
24	16	18	320	92	44	16	109	23	12	10	7.0	4.0
25	17	20	208	88	46	15	118	22	12	9.4	6.4	4.0
26	17	19	120	85	46	19	116	21	12	8.8	6.4	4.0
27	17	21	116	82	48	18	111	21	12	9.4	6.4	4.6
28	18	21	115	79	48	216	111	23	13	8.2	7.0	4.0
29	39	21	113	69		151	111	24	14	8.2	6.4	5.8
30	61	20	113	51		983	109	22	15	8.8	6.4	3.4
31	29		111	56		102		22		8.8	5.2	
	549.8	540	5506	2861	2001	2623	2027	722	491	349.6	274.2	151.8
MEAN	17.7	18.0	178.	92.3	71.5	84.6	67.6	23.3	16.4	11.3	8.84	5.06
ACRE-FEET	1,090.	1,070	10,920.	5,670.	3,970.	5,200.	4,020.	1,430.	974.	693.	544.	301.

Remarks:

YEAR OR PERIOD MEAN 49.6
ACRE-FEET 35,880.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

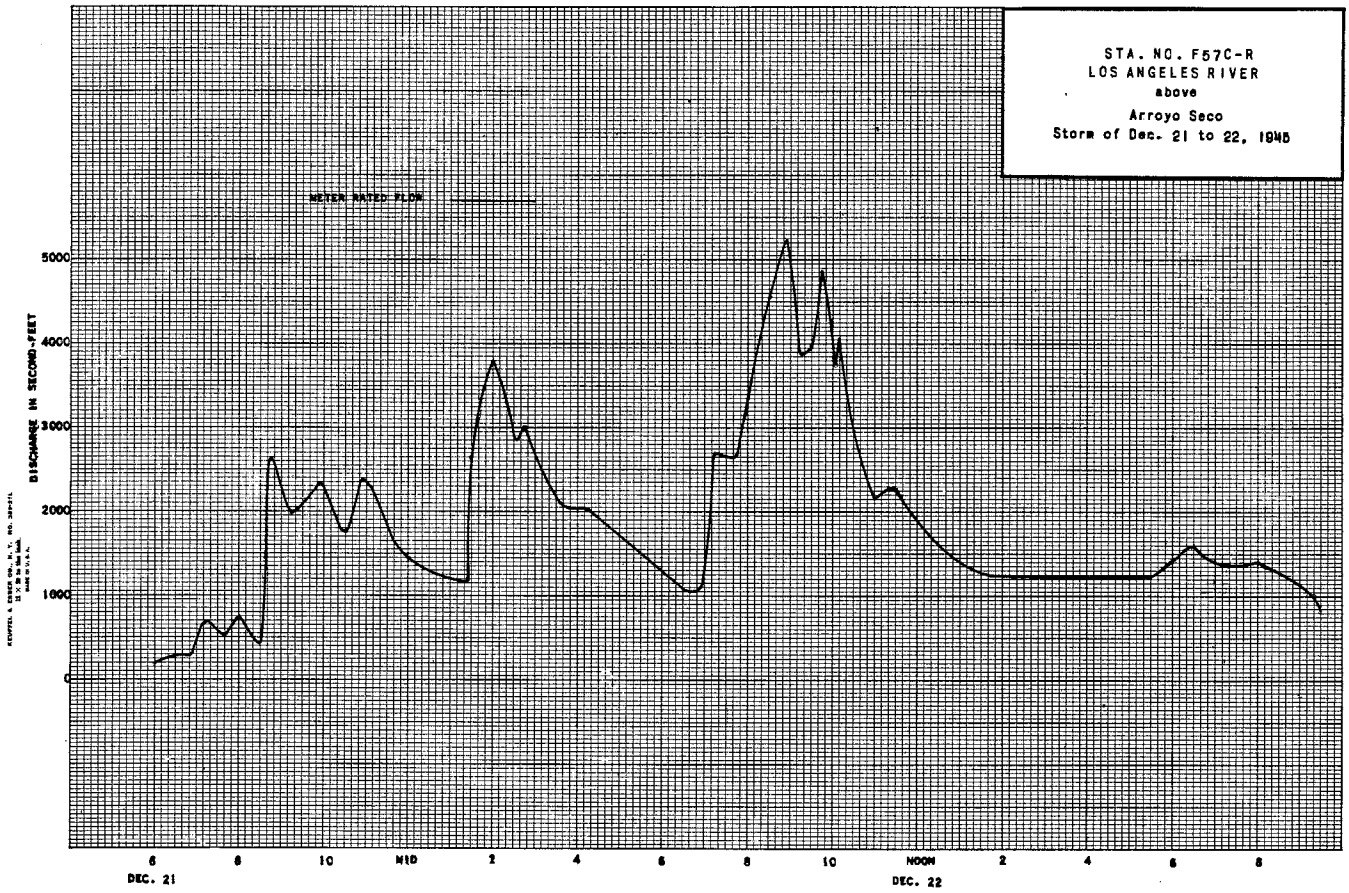
Sta. No. F 57C-R

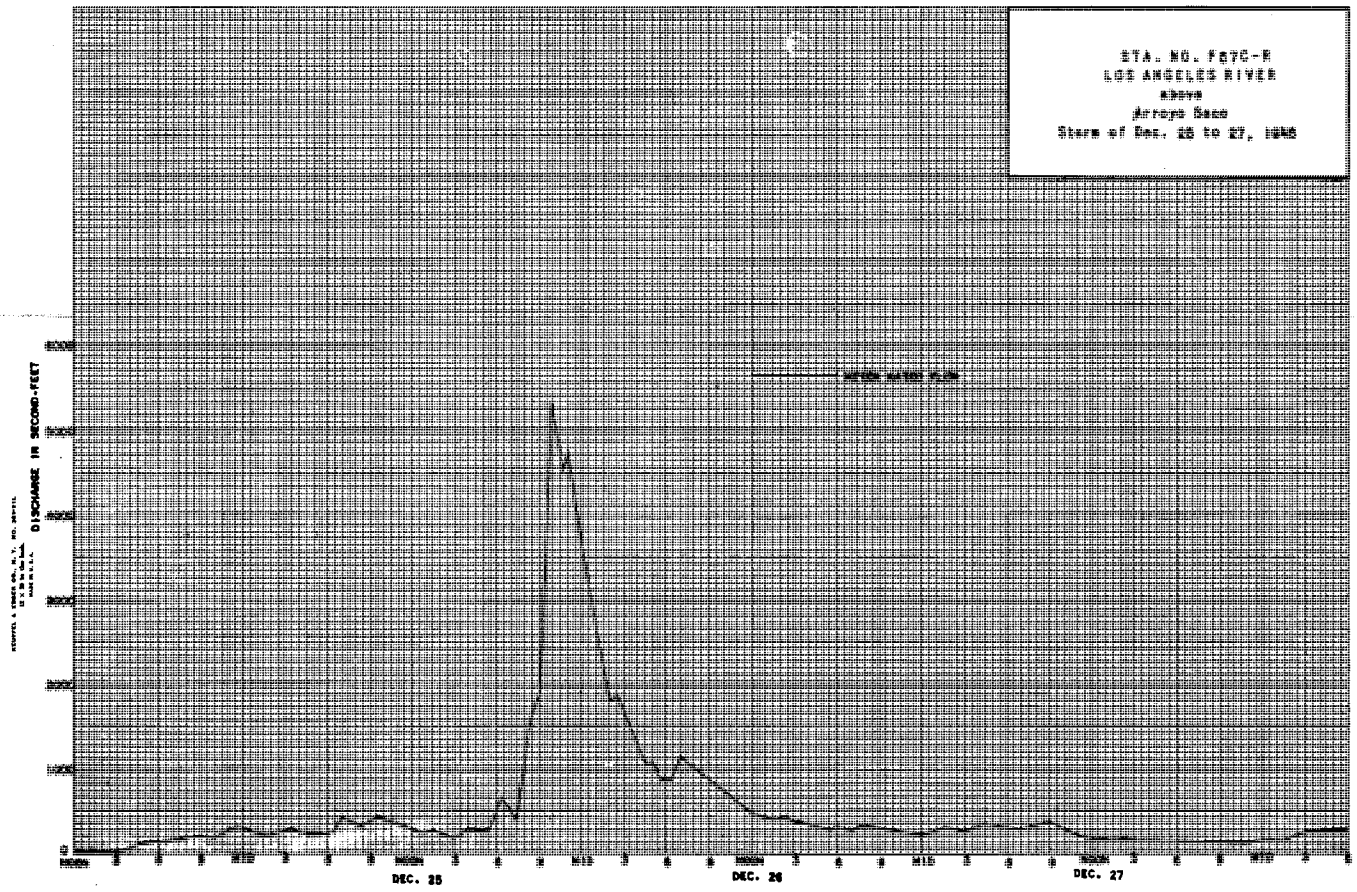
Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	7.9	b 38	b 63	71	83	10	9.0	7.4	5.2	3.6	b 4.1
2	10	6.9	b 38	b 63	70	85	9.5	9.0	7.4	5.2	2.6	b 4.2
3	7.4	6.4	b 38	b 70	42	90	26	7.9	8.4	5.2	2.4	b 4.3
4	8.4	6.9	b 38	b 84	42	101	21	7.9	9.0	5.2	2.3	b 4.4
5	7.4	7.4	b 38	b 66	42	153	13	6.9	8.4	4.9	1.9	4.6
6	6.9	7.4	177	f 42	43	94	14	6.9	7.4	4.9	1.6	4.6
7	5.9	8.4	83	39	42	88	14	6.9	6.9	4.9	1.8	4.2
8	6.9	34	b 38	38	74	88	15	6.9	5.9	5.6	1.9	4.2
9	7.4	9.0	b 38	50	137	88	14	7.9	5.9	6.4	2.1	4.2
10	6.9	7.4	f 38	55	104	90	13	9.0	5.9	6.4	2.1	4.6
11	6.9	91	55	103	▼116	71	11	9.0	5.9	6.4	2.3	4.6
12	7.4	563	65	91	116	59	13	10	6.4	6.4	2.6	4.2
13	7.9	896	65	47	116	43	6.9	13	6.9	6.4	2.6	4.6
14	9.0	502	65	45	116	12	6.4	15	6.9	5.9	b 2.6	4.9
15	11	113	62	43	116	12	7.4	14	6.9	5.6	b 2.5	5.2
16	66	b 80	38	43	116	12	7.9	13	6.9	5.2	b 2.4	5.6
17	14	b 62	37	47	116	12	7.4	11	6.9	5.9	b 2.3	7.4
18	6.4	b 48	37	75	116	12	7.4	10	6.9	6.4	b 2.2	5.9
19	7.4	b 52	37	73	116	12	7.9	10	6.9	6.4	b 2.1	5.2
20	7.4	596	37	45	116	17	7.9	10	6.9	5.9	2.1	5.2
21	7.9	88	57	43	116	48	8.4	10	6.4	5.6	2.1	5.2
22	6.9	b 80	57	43	116	12	9.5	10	5.6	6.4	2.1	5.2
23	10	522	41	40	116	11	9.5	9.5	5.9	6.4	2.4	5.9
24	11	185	88	40	116	11	9.5	9.0	5.6	6.4	2.9	5.9
25	11	b 140	872	74	▼116	11	10	8.4	6.4	5.2	2.9	5.6
26	12	b 95	824	75	90	11	9.0	9.5	6.9	5.2	3.3	5.6
27	34	b 88	230	42	85	15	8.4	18	6.4	4.6	3.6	5.6
28	12	b 56	203	103	85	94	9.0	7.4	5.6	b 4.4	3.6	4.9
29	9.5	b 38	b150	46		39	8.4	6.4	4.9	b 4.2	b 3.8	4.9
30	10	b 38	b120	43		10	9	6.9	4.9	b 4.0	b 3.9	4.6
31	10		b 90	40		9.0		6.9		3.9	b 4.0	
	414.9	4434.7	3794.0	1771.0	2667.0	1493.0	323.4	295.3	199.5	169.9	80.6	149.6
MEAN	13.4	148	122	57.1	95.2	48.2	10.8	9.52	6.65	5.48	2.60	4.99
ACRE-FEET	823	8,800	7,530	3,510	5,290	2,960	641	586	396	337	160	297

Remarks:

YEAR OR PERIOD MEAN 43.3
ACRE-FEET 31,330


STA. NO. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
Storm of Dec. 21 to 22, 1945
METER RATED FLOW
DISCHARGE IN SECOND-FEET
5000
4000
3000
2000
1000
0
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
DEC. 21
DEC. 22


STA. NO. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
Storm of Dec. 25 to 27, 1945
METER RATED FLOW
DISCHARGE IN SECOND-FEET
DEC. 25
DEC. 26
DEC. 27

STATION F34B-R
LOS ANGELES RIVER at Firestone Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°57'03", LONG. 118°10'22", ON THE DOWNSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE, ABOUT 3 MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 95.16 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, ABOUT 340 FEET WIDE WITH 3:1 RIPRAPPED SLOPES. CONTROL - CONCRETE SILL ACROSS CHANNEL BOTTOM ABOUT 150 FEET BELOW STATION.

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

RECORDER: INSTALLED APRIL 11, 1938, OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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

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

RECORDS AVAILABLE:
AT STATION F34-R - MARCH 1, 1928 TO APRIL 11, 1938. (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5.)
AT STATION F34B-R - APRIL 11, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 12,500 SECOND-FEET, DECEMBER 22.
MINIMUM 8.4 SECOND-FEET, MARCH 17.
1946-1947
MAXIMUM 14,870 SECOND-FEET, DECEMBER 25.
MINIMUM 12 SECOND-FEET, SEPTEMBER 1
1928-1946 (STATIONS F34-R AND F34B-R)
MAXIMUM 79,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT WITH COOPERATION OF CORPS OF ENGINEERS, U.S. 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, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
751	10/4	953A / 1012A	BONADIMAN	TWO CHANNELS			3.53	30.4		.6	14		FC19
752	10/11	936A / 1000A	"	" "			3.57	32.5		.6	13		"
753	10/18	944A / 1000A	"	" "			3.56	28.3		.6	13		"
754	10/25	900A / 920A	"	" "			3.58	31.8		.6	15		"
755	11/1	918A / 930A	"	" "			3.60	39.9		.6	9	0	"
756	11/8	910A / 926A	"	74.0	39.7	0.91	3.59	36.0		.6	11	0	"
757	11/15	922A / 938A	"	TWO CHANNELS			3.60	35.5		.6	13	0	"
758	11/21	932A / 944A	"	75.0	39.2	1.04	3.60	40.8		.6	10	0	"
759	11/29	952A / 1012A	"	TWO CHANNELS			3.62	38.9		.6	15	0	"
760	12/6	928A / 942A	"	" "			3.63	41.4		.6	12	0	"
761	12/13	920A / 940A	"	85.0	65.6	1.50	3.84	98.7		.6	10	0	"
762	12/20	902A / 920A	"	80.0	69.0	1.33	3.85	92.2		.6	10	0	"
763	12/21	342P / 352P	BONADIMAN	200.0	287.	2.03	4.52	583.		.6	7	+.01	"
764	12/21	912P / 940P	BONADIMAN KASIMOFF	350.0	653.	5.25	5.25	3430.		.6	11	-.23	"
765	12/23	846A / 915A	BONADIMAN KASIMOFF	210.0	586.	4.98	5.02	2910.		.6	9	-.17	"
766	12/24	945A / 953A	BONADIMAN	187.0	325.	1.75	3.85	569.		.6	11	0	"
767	12/27	800A / 828A	"	178.0	184.	1.05	3.48	193.		.6	10	0	"
768	1/3	823A / 836A	"	175.0	180.	1.53	3.54	276.		.6	10	0	"
769	1/10	900A / 923A	"	TWO CHANNELS			3.52	126.		.6	18	0	"
770	1/17	830A / 900A	"	" "			3.59	122.		.6	17	0	"
771	1/24	900A / 925A	"	" "			3.60	123.		.6	17	0	"
772	1/31	913A / 932A	"	" "			3.56	82.0		.6	16	0	"
773	2/4	322P / 334P	"	175.0	161.	0.77	3.42	124.		.6	7	0	"
774	2/3	141P / 200P	BONADIMAN	325.0	908.	7.17	5.80	6520.		.6	10	0	FC19
775	2/7	914A / 936A	"	TWO CHANNELS			3.32	85.0		.6	17	0	"
776	2/14	830A / 850A	"	" "			3.31	70.0		.6	16	0	"
777	2/21	930A / 950A	"	" "			3.32	76.0		.6	14	0	"
778	2/28	842A / 900A	"	" "			3.32	69.6		.6	14	0	"
779	3/7	910A / 930A	"	" "			3.34	64.6		.6	13	0	"
780	3/14	905A / 925A	"	" "			3.30	43.5		.6	13	0	"
781	3/19	750A / 820A	"	320.0	751.	3.65	4.87	2740.		.6	15	+.09 +.05 -.08	"
797	5/23	845A / 900A	BONADIMAN	50.0	31.7	1.42	3.42	45.1		.6	10	0	FC19
798	5/29	910A / 924A	"	44.0	30.0	1.47	3.42	44.0		.6	9	0	FC19
799	6/6	858A / 918A	"	42.0	29.3	1.43	3.43	42.3		.6	8	0	"
800	6/13	954A / 1006A	"	42.0	28.0	1.38	3.44	38.7		.6	9	0	"
801	6/21	912A / 925A	"	41.0	25.8	1.45	3.43	37.3		.6	9	0	"
802	6/27	943A / 955A	"	41.0	23.6	1.42	3.46	33.6		.6	10	0	"
803	7/3	923A / 940A	"	41.0	24.5	1.49	3.45	36.7		.6	10	0	"
804	7/11	923A / 934A	"	43.0	24.3	1.41	3.44	34.4		.6	9	0	"
805	7/18	940A / 952A	"	45.0	24.4	1.40	3.47	34.1		.6	9	0	"
806	7/25	907A / 920A	"	45.0	25.8	1.25	3.45	32.3		.6	9	0	"
807	8/2	902A / 915A	"	45.0	29.7	1.37	3.48	40.7		.6	9	0	"
808	8/9	1027A / 1040A	"	45.0	25.9	1.39	3.47	36.0		.6	11	0	"
809	8/16	932A / 952A	"	45.0	23.2	1.26	3.48	29.3		.6	10	0	"
810	8/23	920A / 934A	"	45.0	24.8	1.22	3.46	30.2		.6	10	0	"
811	8/29	952A / 1005A	BONADIMAN WADDICOR	45.0	22.3	1.28	3.49	28.6		.6	11	0	"
812	9/5	930A / 940A	WADDICOR	25.8	13.6	1.42	3.46	19.3		.6	9	-.01	FC37
813	9/19	934A / 945A	"	23.0	13.8	1.36	3.48	18.8		.6	8	0	"
814	9/26	925A / 937A	"	43.0	21.0	1.11	3.50	23.3		.6	10	0	"
782	3/20	855A / 920A	"	TWO CHANNELS			3.43	132.		.6	10	0	"
783	3/20	1242P / 115P	KASIMOFF BONADIMAN	310.0	544.	2.35	4.35	1280.		.6	17	+.03 -.03	"
784	3/21	930A / 1010A	KASIMOFF BONADIMAN	TWO CHANNELS			3.38	108.		.6	18	0	"
785	3/28	902A / 925A	BONADIMAN	304.0	646.	3.34	4.78	2160.		.6	17	-.14	"
786	3/29	102P / 120P	BONADIMAN	179.0	132.	1.30	3.48	172.		.6	11	-.05	"
787	3/30	631A / 652A	"	333.0	779.	5.40	5.08	4210.		.6	14	-.04	"
788	3/31	922A / 950A	KASIMOFF BONADIMAN	183.0	208.	1.28	3.59	266.		.6	11	0	"
789	4/2	910A / 926A	BONADIMAN	186.0	293.	1.91	4.12	561.		.6	12	-.06	"
790	4/4	847A / 904A	"	183.0	153.	1.13	3.45	173.		.6	11	0	"
791	4/11	937A / 956A	"	TWO CHANNELS			3.38	75.6		.6	16	0	"
792	4/18	905A / 921A	"	" "			3.28	37.4		.6	13	0	"
793	4/25	840A / 903A	"	" "			3.62	162.		.6	16	0	"
794	5/2	830A / 852A	"	" "			3.41	47.7		.6	13	0	"
795	5/9	820A / 838A	"	" "			3.37	41.8		.6	12	0	"
796	5/16	840A / 900A	"	" "			3.40	42.0		.6	11	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT OR NEAR Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
815	10-3	1000A / 1010A	BONADIMAN	42.0	23.4	1.41	3.45	33.0		.6	9	0	FC19
816	10-10	912A / 923A	"	42.0	21.4	1.22	3.47	26.1		.6	9	0	"
817	10-16	912A / 926A	"	202.0	229.	1.97	4.21	452.		.6	12	-.06	"
818	10-17	946A / 958A	"	48.0	35.6	1.37	3.55	49.1		.6	11	0	"
819	10-24	907A / 920A	"	48.0	26.4	1.18	3.48	31.2		.6	9	0	"
820	10-31	840A / 858A	"	46.0	26.2	1.28	3.55	33.7		.6	9	0	"
821	11-7	916A / 928A	"	47.0	23.3	1.21	3.50	28.3		.6	9	0	"
822	11-12	547A / 600A	"	188.0	341.	3.78	4.78	1290.		.6	10	+.03	"
823	11-12	502P / 520P	BONADIMAN LANG	218.0	657.	8.05	6.02	5290.		.6	8	+.55	"
824	11-13	1000A / 1030A	"	358.0	1280.	6.44	6.85	8240.		.6	10	+.30	"
825	11-14	900A / 915A	"	200.0	456.	3.75	4.72	1710.		.6	7	0	"
826	11-15	944A / 958A	BONADIMAN	175.0	200.	1.00	3.54	201.		.6	10	0	"
827	11-20	842A / 907A	"	340.0	857.	5.30	5.56	4540.		.6	12	+.32	"
828	11-21	856A / 909A	"	178.0	232.	1.09	3.56	254.		.6	11	0	"
829	11-23	720A / 730A	BONADIMAN LANG	300.0	522.	3.78	4.80	1980.		.6	10	+.05	"
830	11-23	1016A / 1042A	"	340.0	832.	5.44	5.45	4530.		.6	11	+.10	"
831	11-24	906A / 923A	BONADIMAN	180.0	257.	1.61	3.74	414.		.6	11	0	"
832	11-27	850A / 908A	"	183.0	162.	1.07	3.43	174.		.6	11	0	"
833	12-6	950A / 1000A	"	168.0	187.	1.34	3.69	250.		.6	9	0	"
834	12-7	931A / 945A	"	183.0	158.	0.82	3.42	130.		.6	12	0	"
835	12-12	840A / 856A	"	55.0	68.3	1.44	3.45	98.5		.6	12	0	"
836	12-19	830A / 845A	"	53.0	48.0	1.16	3.37	55.9		.6	12	0	"
837	12-25	840A / 904A	BONADIMAN	198.0	454.	3.57	4.62	1620.		.6	12	+.09	FC19
838	12-26	801A / 814A	"	295.0	657.	3.23	4.84	2120.		.6	9	0	"
839	12-27	846A / 905A	BONADIMAN - LANG	300.0	687.	2.65	4.58	1820.		.6	12	-.06	"
840	12-28	920A / 936A	BONADIMAN	195.0	404.	2.53	4.15	1020.		.6	12	0	"
841	1-2	845A / 918A	"	TWO CHANNELS			3.40	104.		.6	17	0	"
842	1-9	840A / 910A	"	"	"		3.35	64.6		.6	17	0	"
843	1-16	840A / 908A	"	"	"		3.38	58.4		.6	16	0	"
844	1-23	836A / 900A	"	"	"		3.40	53.5		.6	15	0	"
845	1-28	412P / 425P	"	190.0	307.	2.10	4.08	644.		.6	10	-.04	"
846	1-29	835A / 858A	"	TWO CHANNELS			3.38	95.4		.6	9	0	"
847	2-6	810A / 840A	"	"	"		3.34	52.4		.6	18	0	"
848	2-9	815P / 830P	BONADIMAN - LANG	185.0	343.	3.85	4.66	1320.		.6	7	-.04	"
849	2-10	902A / 912A	" "	TWO CHANNELS			3.51	186.		.6	11	0	"
850	2-13	824A / 838A	BONADIMAN	183.0	169.	1.22	3.53	206.		.6	11	0	"
851	2-20	800A / 820A	"	184.0	159.	1.19	3.58	189.		.6	11	0	"
852	2-27	830A / 846A	"	183.	97.2	1.08	3.55	105.		.6	12	0	"
853	3-5	850A / 914A	"	188.	251.	2.00	4.11	502.		.6	12	+.12	"
854	3-6	800A / 828A	"	TWO CHANNELS			3.55	124.		.6	13	0	"
855	3-13	832A / 855A	"	" "			3.47	56.1		.6	17	0	"
856	3-20	836A / 848A	"	26.5	23.0	1.23	3.36	28.2		.6	7	0	"
857	3-27	844A / 856A	"	54.0	35.6	0.94	3.40	33.4		.6	9	0	"
858	4-3	820A / 836A	"	53.0	38.4	0.71	3.37	27.3		.6	10	0	"
859	4-10	830A / 846A	"	53.0	31.8	0.94	3.40	30.0		.6	10	0	"
860	4-17	840A / 856A	"	53.0	27.4	1.00	3.38	27.5		.6	10	0	"
861	4-23	844A / 900A	"	52.0	32.5	0.82	3.39	26.8		.6	10	0	"
862	5-1	820A / 834A	"	52.0	27.2	1.00	3.36	27.3		.6	10	0	"
863	5-8	844A / 856A	"	53.0	24.8	1.04	3.40	25.7		.6	9	0	"
864	5-15	824A / 838A	"	33.0	23.2	1.38	3.44	31.9		.6	9	0	"
865	5-22	844A / 856A	"	34.0	26.4	1.08	3.45	28.6		.6	9	0	"
866	5-29	808A / 820A	"	33.0	21.9	1.18	3.47	26.0		.6	9	0	"
867	6-5	848A / 900A	"	33.0	23.0	1.03	3.48	23.6		.6	7	0	"
868	6-12	828A / 841A	"	34.0	23.9	0.89	3.50	21.3		.6	8	0	"
869	6-19	845A / 900A	"	34.0	20.1	1.05	3.48	21.1		.6	9	0	"
870	6-26	842A / 850A	"	34.0	21.9	1.17	3.50	25.7		.6	9	0	"
871	7-3	826A / 840A	"	32.0	20.3	1.03	3.48	21.3		.6	9	0	"
872	7-10	844A / 856A	"	33.0	21.0	1.01	3.49	21.2		.6	9	0	"
873	7-17	830A / 840A	"	34.0	21.1	1.07	3.47	22.5		.6	7	0	"
874	7-24	848A / 900A	"	33.0	20.0	0.97	3.46	19.5		.6	8	0	"
875	7-31	830A / 846A	"	33.0	18.3	0.92	3.46	16.9		.6	8	0	"
876	8-7	842A / 856A	"	32.0	17.4	0.98	3.46	17.0		.6	8	0	"
877	8-14	834A / 846A	"	33.0	18.4	0.94	3.50	17.3		.6	8	0	"
878	8-21	846A / 903A	"	35.0	19.0	1.03	3.48	19.6		.6	9	0	"
879	8-28	844A / 856A	"	34.0	17.7	0.97	3.50	17.2		.6	7	0	"
880	9-3	825A / 835A	WADDICOR	25.0	17.3	1.19	3.51	20.6		.6	8	0	FC37
881	9-10	835A / 845A	"	19.0	16.5	1.29	3.50	21.3		.6	6	0	"
882	9-17	845A / 855A	"	24.0	16.5	1.33	3.50	21.9		.6	7	0	"
883	9-24	850A / 900A	"	31.0	21.7	1.14	3.53	24.7		.6	7	0	"

F. C. Dist. Form 51 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34B-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	30	38	174	73	65	123	89	41	26	34	12
2	26	26	30	174	73	61	303	38	45	30	38	9.6
3	22	30	30	219	1220	57	181	26	45	38	34	12
4	30	26	38	188	129	57	174	41	45	30	30	22
5	34	30	53	167	94	61	128	57	49	30	30	22
6	41	46	38	138	85	65	114	30	45	38	30	20
7	41	45	45	145	85	65	188	30	45	38	38	20
8	34	34	77	138	81	61	152	34	41	34	41	16
9	30	26	81	128	73	61	188	41	41	34	41	16
10	34	34	81	128	73	65	118	49	41	34	38	16
11	34	30	99	123	69	61	81	41	41	34	34	11
12	30	26	77	114	69	65	45	38	38	34	30	11
13	30	30	81	104	65	85	38	41	38	26	30	12
14	22	34	94	109	77	45	61	45	34	26	34	20
15	26	34	94	114	85	16	34	41	30	22	30	20
16	30	34	89	118	94	11	38	45	22	30	30	20
17	34	41	89	128	65	8.4	38	45	30	38	30	20
18	34	41	89	128	69	9.6	38	45	34	34	34	20
19	34	41	94	128	69	725	38	45	38	34	30	22
20	34	45	94	123	77	465	34	45	38	34	38	22
21	26	45	1110	118	81	123	26	45	38	30	38	26
22	26	38	4000	109	81	81	22	45	30	30	34	22
23	30	34	1650	109	77	53	45	45	30	34	34	20
24	26	38	629	118	65	49	109	49	30	34	38	20
25	26	41	498	128	69	49	167	45	26	34	38	20
26	26	38	351	133	69	53	174	41	26	34	41	22
27	30	41	196	114	69	53	145	45	30	38	38	22
28	30	41	181	109	73	563	138	45	30	30	38	20
29	102	61	188	99		290	152	45	34	34	30	20
30	147	41	181	73		2800	152	41	26	34	26	20
31	61		188	73		324		38		38	16	
	1152	1101	10583	3971	3309	6547	3244	1350	1081	1014	1045	555.6
MEAN	37.2	36.7	341.	128.	118.	211.	108.	43.5	36.0	32.7	33.7	18.5
ACRE-FEET	2,280.	2,180.	20,990.	7,880.	6,560.	12,990.	6,430.	2,680.	2,140.	2,010.	2,070.	1,100.

Remarks:

YEAR OR PERIOD MEAN 95.8
ACRE-FEET 69,310.

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

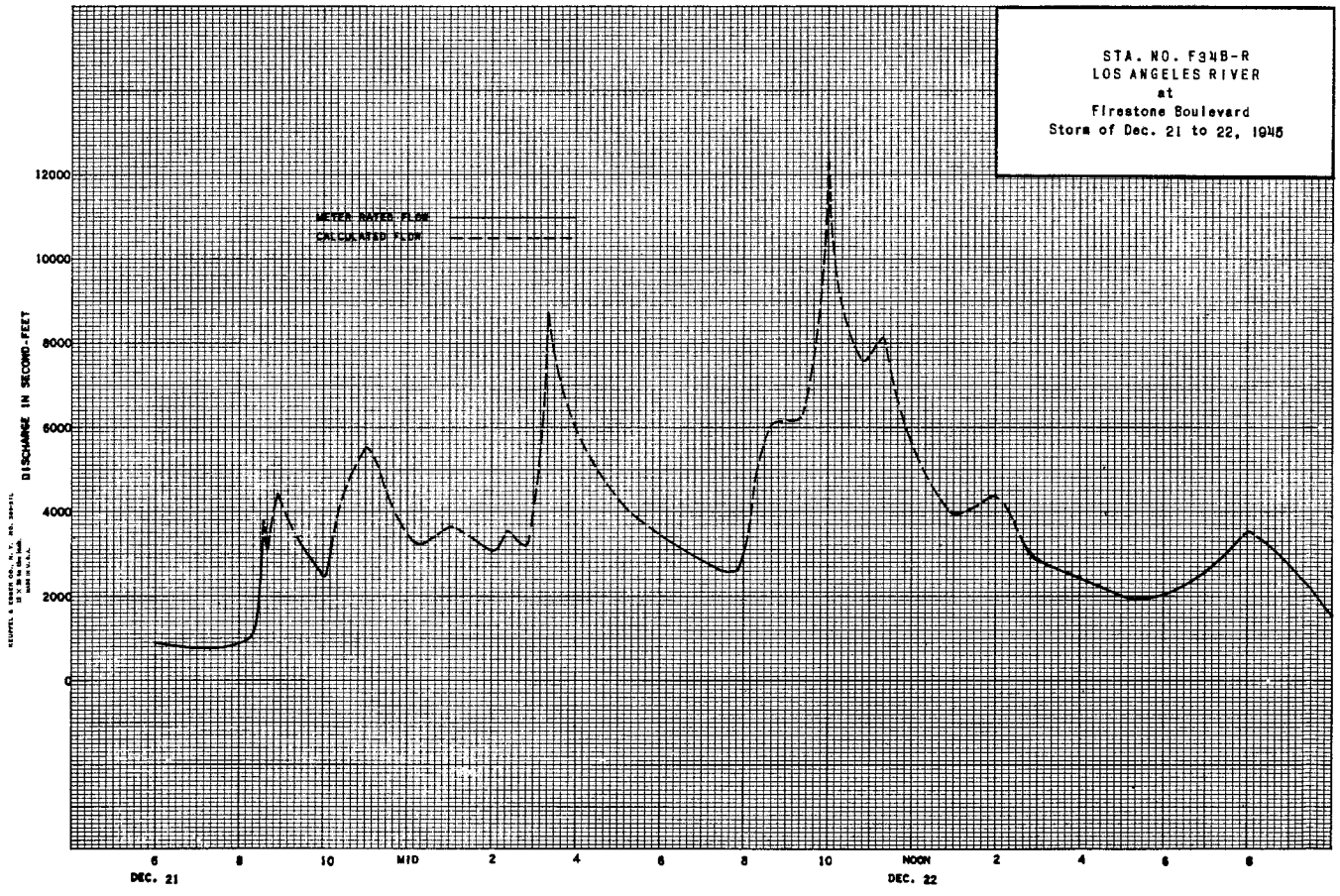
Sta. No. F 34B-R

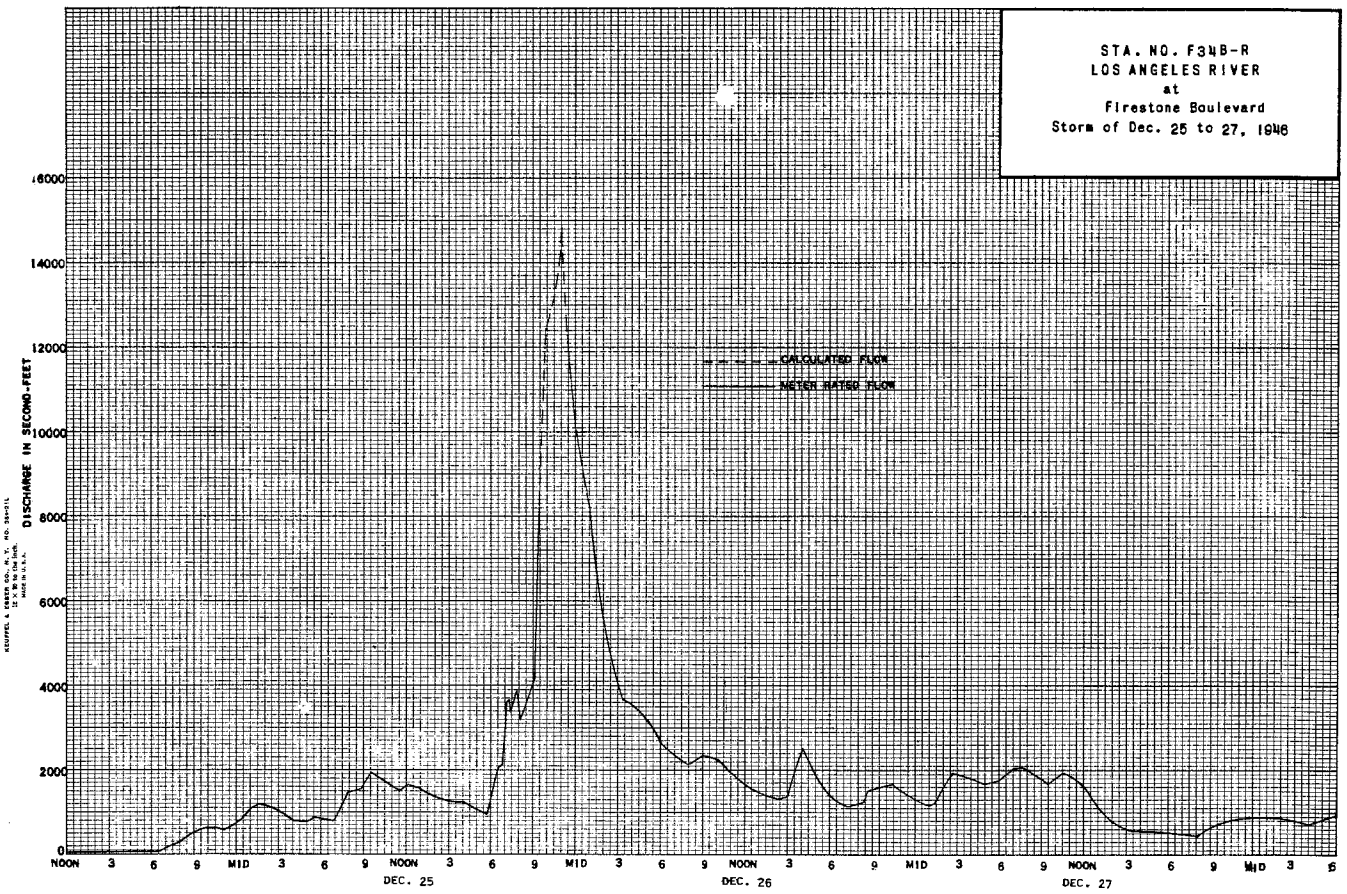
Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	233	30	87	122	87	98	26	30	26	24	20	14
2	55	30	87	105	98	91	28	28	28	20	20	15
3	35	28	84	98	77	109	30	26	26	22	19	20
4	35	30	77	105	60	102	46	24	25	19	20	22
5	31	31	74	98	58	256	28	28	25	16	22	24
6	31	31	316	84	55	129	24	28	25	18	20	22
7	31	30	148	72	55	102	26	28	22	19	20	19
8	30	48	98	66	74	98	28	26	22	19	25	20
9	26	39	87	66	414	91	28	28	22	20	19	25
10	25	30	80	74	203	91	28	44	24	22	14	25
11	24	136	87	94	201	84	25	30	22	22	16	25
12	24	2360	94	94	208	66	24	30	22	22	16	24
13	24	1790	94	77	208	55	24	31	22	19	16	24
14	25	1060	91	63	208	31	24	33	22	22	18	19
15	28	201	91	60	201	28	26	31	19	24	16	19
16	146	154	80	58	194	26	26	33	20	25	16	22
17	50	112	63	58	215	26	28	31	24	25	15	30
18	33	80	58	72	201	28	28	30	20	a 25	18	26
19	30	80	55	80	187	26	28	28	24	a 24	19	24
20	28	1390	55	63	194	39	26	28	24	24	20	25
21	33	236	66	58	194	66	28	26	22	18	19	20
22	33	331	77	55	180	39	35	28	19	22	20	22
23	33	1480	60	55	167	31	28	28	24	25	19	25
24	30	484	148	52	180	28	26	25	25	22	19	25
25	30	350	2850	66	180	26	28	22	25	22	18	26
26	30	194	2610	77	142	30	25	26	25	20	19	25
27	66	180	1220	69	105	33	24	25	25	16	18	24
28	48	142	761	290	105	124	26	31	25	20	16	20
29	37	109	304	102		55	28	26	24	22	16	22
30	33	102	222	84		28	30	28	22	22	16	22
31	31		180	77		26		26		20	15	
	1348	11298	10404	2594	4451	2062	830	886	700	660	564	675
MEAN	43.5	377	333	83.7	159	66.5	27.7	28.6	23.3	21.3	18.2	22.5
ACRE-FEET	2,670	22,410	20,458	5,150	8,830	4,090	1,650	1,760	1,390	1,310	1,120	1,340

Remarks:

YEAR OR PERIOD MEAN 99.7 ACRE-FEET 72,178





STATION F180-R
LOS ANGELES RIVER at Pacific Coast Highway

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

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

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

RECORDER: INSTALLED OCTOBER 31, 1931, OVER AN 18 INCH DIAMETER CORRUGATED IRON STILLING WELL. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1 1945 TO SEPTEMBER 30, 1947. AN AUXILIARY STILLING WELL AND RECORDER ARE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34B-R AND STATION F45-R.

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

RECORDS AVAILABLE: OCTOBER 31, 1931 TO SEPTEMBER 30, 1947. FOR EARLIER RECORDS, SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 12,800 SECOND-FEET, DECEMBER 22.
MINIMUM 30 SECOND-FEET AT VARIOUS TIMES.

1946-1947
MAXIMUM 18,810 SECOND-FEET, DECEMBER 26.
MINIMUM 17.8 SECOND FEET, SEPTEMBER 3.

1931-1947
MAXIMUM 99,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES IN 1934.

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 AND CORPS OF ENGINEERS, U.S. ARMY.

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
				WEST STAFF GAGE									
753	10/4	130P / 150P	BONADIMAN	53.0	35.4	1.12		39.5		.6	11	0	FC19
754	10/10	1120A / 1140A	"	TWO CHANNELS				41.0		.6	15	0	"
755	10/18	100P / 122P	"	37.0	36.0	1.09		39.3		.6	8	0	"
756	10/25	1139A / 1155A	BONADIMAN LINDSAY	THREE CHANNELS				41.3		.6	15		"
757	11/1	100P / 120P	BONADIMAN	56.0	50.0	1.31		65.7		.6	10	0	"
758	11/8	NOON / 1226P	"	TWO CHANNELS				49.3		.6	15	0	"
759	11/15	NOON / 1226P	"	" "				46.7		.6	14	0	"
760	11/21	NOON / 1222P	"	" "				48.2		.6	14	0	"
761	11/29	110P / 130P	"	" "				105.		.6	14	0	"
762	12/6	110P / 132P	"	" "				48.3		.6	17	0	"
763	12/13	110P / 150P	"	" "			5.98	106.		.6	19	0	"
764	12/20	1206P / 1240P	"	THREE CHANNELS			5.95	107.		.6	19	0	"
765	12/22	1202A / 1235A	BONADIMAN KASIMOFF	454.0	948.	4.03	8.72	3820.		.6	11	+.05	"
766	12/22	1057A / 1135A	BONADIMAN KASIMOFF	456.0	1450.	6.66	9.53	9660.		.6	11	+.66	"
767	12/22	1205P / 1220P	KASIMOFF BONADIMAN	456.0	1920.	6.67	10.20	12800.	FLOAT	10		0	
768	12/23	251P / 340P	KASIMOFF BONADIMAN	THREE CHANNELS			7.32	1850.		.6	18	-.04	FC19
769	12/24	350P / 420P	BONADIMAN	TWO CHANNELS			6.10	560.		.6	12	0	"
770	12/27	252P / 310P	"	107.0	126.	1.82	5.72	229.		.6	8	0	"
771	1/3	1105A / 1120A	"	106.0	124.	1.35	5.73	167.		.6	7	0	"
772	1/10	1117A / 1130A	"	TWO CHANNELS			5.92	200.		.6	9	0	"
773	1/17	1132A / 1151A	" " "				6.10	203.		.6	11	0	"
774	1/24	1142A / 1208P	"	88.0	87.1	1.61	5.87	140.		.6	16	0	"
775	1/31	1204P / 1220P	"	88.0	69.8	1.39	5.71	97.0		.6	12	0	"
776	2/3	420P / 455P	BONADIMAN	456.0	1416.	5.07	9.30	7180.		.6	13	0	FC19
777	2/4	200P / 215P	"	53.0	84.9	3.24	5.66	275.		.6	6	0	"
778	2/7	1152A / 1210P	"	53.0	50.8	1.73	5.46	88.0		.6	6	0	"
779	2/14	1107A / 1128A	"	82.0	53.0	1.32	5.46	70.2		.6	12	0	"
780	2/21	1202P / 1226P	"	87.0	59.6	1.22	5.48	73.0		.6	13	0	"
781	2/28	1122A / 1144A	"	90.0	60.1	1.19	5.49	71.6		.6	14	0	"
782	3/7	1132A / 1155A	"	89.0	59.4	1.41	5.53	83.8		.6	13	0	"
783	3/14	1140A / 1158A	"	90.0	64.2	1.10	5.56	70.8		.6	12	0	"
784	3/19	1142A / 1230P	"	451.0	894.	3.10	7.76	2720.	.6 SURF	23		+.05 -.06	"
785	3/20	542P / 631P	KASIMOFF BONADIMAN	TWO CHANNELS			7.34	1360.		.6	17	+.17	"
786	3/21	112P / 145P	KASIMOFF BONADIMAN	108.0	122.6	2.10	5.71	258.		.6	11	0	"
787	3/28	107P / 136P	BONADIMAN	TWO CHANNELS			7.35	1480.		.6	18	+.14	"
788	3/29	1118A / 1140A	"	130.0	224.	2.34	6.12	525.		.6	11	0	"
789	3/30	902A / 935A	BONADIMAN KASIMOFF	454.0	972.	5.34	8.68	5200.		.6	22	+.07	"
790	3/31	1203P / 100P	BONADIMAN KASIMOFF	FOUR CHANNELS			5.88	423.		.6	17	0	"
791	4/4	1137A / NOON	BONADIMAN	TWO CHANNELS			5.65	196.		.6	10	0	"
792	4/11	1132A / 1158A	"	38.0	59.1	1.71	5.35	101.		.6	10	0	"
793	4/18	102P / 126P	"	51.0	48.2	1.03	5.18	49.7		.6	11	0	"
794	4/25	1230P / 100P	"	76.0	93.2	1.74	5.76	162.		.6	13	0	"
				EAST STAFF GAGE									
795	5/2	114P / 130P	"	TWO CHANNELS			7.32	62.2		.6	11	0	"
796	5/9	1152A / 1212P	"	48.0	38.8	1.49	7.38	57.8		.6	10	0	"
797	5/16	1147A / NOON	"	48.0	35.2	1.34	7.23	47.1		.6	10	0	"
798	5/23	1124A / 1140A	BONADIMAN	43.0	33.6	1.48	7.08	49.8		.6	9	0	FC19
799	5/29	1144A / NOON	"	45.0	33.7	1.46	7.02	49.4		.6	10	0	"
800	6/6	1204P / 1222P	"	46.0	32.6	1.72	6.78	56.0		.6	9	0	"
801	6/13	1202P / 1220P	"	51.0	34.6	1.56	6.57	54.2		.6	10	0	"
802	6/21	1140A / 1156A	"	40.0	26.4	1.57	6.00	41.3		.6	9	0	"
803	6/27	NOON / 1220P	"	40.0	27.1	1.49	5.97	40.4		.6	9	0	"
804	7/3	120P / 136P	"	41.0	30.0	1.53	5.79	45.9		.6	10	0	"
805	7/11	1140A / NOON	"	35.0	28.3	1.69	5.74	47.8		.6	7	0	"
806	7/18	1210P / 1224P	"	52.0	28.8	1.58	5.36	45.4		.6	10	0	"
807	7/25	1202P / 1216P	"	30.0	21.9	1.52	5.11	33.2		.6	7	0	"
808	8/2	1136A / 1150A	"	27.0	23.2	1.60	5.12	37.2		.6	8	0	"
809	8/9	1252P / 104P	"	24.0	24.8	1.52	5.11	37.8		.6	7	0	"
810	8/16	140P / 152P	"	33.0	27.8	1.20	4.94	33.4		.6	8	0	"
811	8/23	1130A / 1150A	"	32.0	27.7	1.18	4.88	32.8		.6	7	0	"
812	8/29	100P / 110P	BONADIMAN WADDICOR	24.0	29.8	1.28	4.82	38.1		.6	8	0	"
813	9/5	1122A / 1135A	WADDICOR	24.0	31.5	1.05	4.96	33.2		.6	9	0	FC37
814	9/13	1122A / 1132A	"	22.5	27.2	1.15	4.96	31.2		.6	8	0	"
815	9/19	1140A / 1150A	"	23.0	27.4	1.11	5.52	30.4		.6	8	0	"
816	9/26	1205P / 1217P	"	23.0	27.7	1.10	5.02	30.4		.6	8	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
				EAST STAFF GAGE									
817	10-3	132P / 142P	BONADIMAN	43.0	32.1	1.58	3.79	53.8		.6	8	0	FC19
818	10-10	1204P / 1224P	"	52.0	31.6	1.16	3.62	36.8		.6	10	0	"
819	10-17	1237P / 1250P	"	60.0	57.1	1.52	3.54	87.2		.6	9	0	"
820	10-24	1106A / 1119A	"	36.0	29.0	1.39	3.39	40.4		.6	7	0	"
821	10-31	1102A / 1122A	"	53.0	36.1	1.12	3.36	40.4		.6	12	0	"
822	11-7	1152A / 1204P	"	30.0	21.7	2.08	3.80	45.2		.6	8	0	"
823	11-12	1102A / 1120A	BONADIMAN - LANG	TWO CHANNELS			5.40	1900.		.6	10	0	"
824	11-12	910P / 950P	" "	451.0	1840.	5.70	7.13	10500.		.6	10	+.25	"
825	11-13	310P / 340P	" "	478.0	1270.	6.72	6.63	8570.		.6	11	-.45	"
826	11-14	305P / 340P	" "	436.0	735.	4.02	5.55	2950.		.6	19	-.10	"
				WEST STAFF GAGE									
827	11-15	500P / 510P	BONADIMAN	130.0	165.	1.41	4.44	232.		.6	7	0	"
828	11-16	1040A / 1052A	"	105.0	138.	1.43	4.35	197.		.6	7	0	"
829	11-20	1230P / 120P	"	451.0	1150.	6.37	6.58	7330.		.6	11	-.10	"
830	11-21	121P / 131P	"	125.0	150.	2.50	4.50	375.		.6	8	0	"
831	11-23	135P / 155P	BONADIMAN - LANG	423.0	1120.	6.68	6.45	7500.		.6	11	-.10	"
832	11-24	134P / 200P	BONADIMAN	211.0	274.	2.09	4.68	574.		.6	13	0	"
833	11-27	1210P / 1226P	"	193.0	133.	1.28	4.26	170.		.6	11	0	"
834	12-6	115P / 130P	"	196.0	200.	0.76	4.28	153.		.6	12	0	"
835	12-7	127P / 146P	"	TWO CHANNELS			4.26	189.		.6	14	0	"
836	12-12	120P / 150P	"	" "			4.36	234.		.6	13	0	"
837	12-19	1237P / 1258P	"	THREE CHANNELS			4.14	99.5		.6	13	0	"
838	12-25	1202P / 1238P	"	322.0	791.	1.50	5.42	1190.		.6	15	+.15	"
839	12-26	1216P / 1254P	"	436.0	976.	3.20	5.40	3120.		.6	20	0	"
840	12-27	205P / 245P	BONADIMAN - LANG	TWO CHANNELS			5.30	2140.		.6	22	-.19	"
841	12-28	1142A / 1206P	BONADIMAN	242.0	334.	2.89	4.87	966.		.6	17	0	"
842	1-2	150P / 210P	"	105.5	115.	1.77	4.00	204.		.6	9	0	"
843	1-9	140P / 200P	"	50.0	50.0	1.91		95.8		.6	5		"
844	1-16	130P / 145P	"	51.0	48.0	2.27		109.		.6	6		"
845	1-23	240P / 250P	"	50.0	59.0	2.08		123.		.6	7		"
846	1-28	515P / 526P	"	52.0	89.2	3.13	3.21	279.		.6	5	+.02	"
847	1-29	1150A / 1202P	"	106.0	90.6	1.95	3.04	177.		.6	8	0	"
848	1-30	202P / 214P	"	106.0	82.4	1.68	2.91	138.		.6	8	0	"
849	2-6	132P / 144P	"	106.0	84.5	1.25	2.90	106.		.6	9	0	"
850	2-9	1112P / 1135P	BONADIMAN - LANG	158.0	359.	7.10	3.71	2550.		.6	10	+.10	"
851	2-10	1112A / 1122A	" "	105.4	183.	1.92	3.40	351.		.6	9	0	"
852	2-13	142P / 154P	BONADIMAN	106.0	149.	1.62	3.13	242.		.6	8	0	"
853	2-20	107P / 121P	"	106.0	114.	0.92	3.12	105.		.6	8	0	"
854	2-27	207P / 220P	"	106.	91.1	1.37	3.06	125.		.6	8	0	"
855	3-5	102P / 120P	"	120.	289.	3.25	3.70	940.		.6	10	+.08	"
856	3-6	104P / 116P	"	106.	151.	1.10	3.18	166.		.6	8	0	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
857	3-13	132P / 150P	"	TWO CHANNELS			2.86	95.0		.6	9	0	"
858	3-20	146P / 158P	"	"	"		2.70	55.4		.6	8	0	"
859	3-27	152P / 204P	"	"	"		2.70	46.0		.6	8	0	"
860	4-3	132P / 144P	"	"	"		2.70	49.5		.6	8	0	"
861	4-10	1240P / 105P	"	112.	51.3	0.74	2.68	37.8		.6	19	0	"
862	4-17	122P / 148P	"	117.	48.6	0.83	2.68	40.4		.6	24	0	"
863	4-23	134P / 156P	"	106.	52.8	0.97	2.74	51.3		.6	17	0	"
864	5-1	1240P / 110P	"	113.	53.2	0.80	2.70	42.6		.6	20	0	"
865	5-8	112P / 124P	"	73.0	40.0	0.78	2.66	31.0		.6	9	0	"
866	5-15	130P / 144P	"	76.0	41.6	0.85	2.68	35.3		.6	11	0	"
867	5-22	137P / 150P	"	85.0	48.8	0.80	2.73	39.1		.6	10	0	"
868	5-29	104P / 118P	"	73.0	43.0	0.75	2.69	32.4		.6	10	0	"
869	6-5	122P / 136P	"	74.0	44.9	0.91	2.70	40.7		.6	13	0	"
870	6-12	1144A / 1200N	"	76.0	40.0	0.71	2.63	28.3		.6	12	0	"
871	6-19	103P / 118P	"	71.0	36.6	0.65	2.64	23.8		.6	12	0	"
872	6-26	100P / 125P	"	78.0	41.4	0.79	2.70	33.6		.6	13	0	"
873	7-3	1200N / 1216P	"	81.0	34.1	0.72	2.60	24.3		.6	10	0	"
874	7-10	1240P / 1258P	"	78.0	35.1	0.75	2.68	26.4		.6	12	0	"
875	7-17	1035A / 1100A	"	83.0	37.0	0.92	2.78	33.9		.6	11	0	"
876	7-24	104P / 120P	"	89.0	38.0	0.86	2.74	32.6		.6	11	0	"
877	7-31	112P / 128P	"	100.0	37.4	0.81	2.74	30.2		.6	12	0	"
878	8-7	132P / 146P	"	97.0	38.0	0.78	2.72	29.5		.6	11	0	"
879	8-14	148P / 206P	"	97.0	34.4	0.77	2.72	26.3		.6	12	0	"
880	8-21	108P / 126P	"	96.0	41.0	0.65	2.73	26.5		.6	12	0	"
881	8-28	126P / 142P	"	97.0	52.6	0.68	2.73	35.8		.6	11	0	"
882	9-3	1045A / 1055A	WADDICOR	37.0	21.3	0.84	2.71	17.8		.6	8	0	FC37
883	9-10	1105A / 1120A	"	62.0	32.1	0.79	2.75	25.4		.6	8	0	"
884	9-17	1040A / 1050A	"	50.0	27.1	1.25	2.75	33.9		.6	7	0	"
885	9-24	1050A / 1100A	"	61.0	37.6	0.92	2.75	34.7		.6	8	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F180-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 40	b 66	b 89	174	92	72	404	b106	d 52.	d 44	d 36	d 36
2	40	64	81	157	85	73	977	d 62	52	45	37	35
3	40	61	72	174	1380	70	398	61	53	46	37	34
4	40	59	64	170	330	64	194	61	54	46	37	34
5	40	56	56	174	194	70	174	60	55	46	37	33
6	40	54	48	180	120	75	154	60	56	47	38	33
7	40	51	59	214	85	81	233	59	56	47	38	33
8	41	49	70	222	87	75	183	59	56	47	38	32
9	41	49	81	222	83	70	206	58	55	48	38	32
10	41	48	92	210	75	62	187	56	55	48	37	32
11	41	48	b103	226	72	59	107	55	55	48	36	31
12	41	48	114	222	70	59	98	53	54	48	36	31
13	40	48	107	230	72	62	83	52	54	47	35	31
14	40	47	107	206	70	75	79	50	52	47	34	31
15	40	47	107	214	79	42	79	49	51	46	34	31
16	40	47	104	206	105	41	61	47	49	46	33	31
17	b 39	b 47	102	187	68	40	b 54	d 47	d 47	d 45	d 33	d 30
18	39	47	102	164	62	38	b 49	48	46	45	33	30
19	39	48	104	164	66	633	49	48	44	43	33	30
20	40	48	107	151	72	609	51	49	43	42	33	30
21	40	48	651	151	73	329	48	49	41	40	33	30
22	40	48	6440	157	73	187	46	50	41	38	33	30
23	40	48	3030	154	72	139	48	50	41	36	33	30
24	41	48	604	133	66	114	107	50	41	35	34	30
25	41	48	691	127	64	98	154	50	40	33	35	30
26	45	48	564	127	70	87	157	49	40	34	35	30
27	48	48	256	124	70	79	142	49	40	34	36	30
28	52	48	214	127	72	622	136	49	41	35	37	30
29	55	105	210	136		528	136	49	42	35	38	30
30	59	b 97	206	110		2760	151	50	d 43	36	37	d 30
31	b 62		190	98		639		d 51		d 36	d 36	
	1325	1618	14825	5311	3827	7952	4945	1686	1449	1313	1100	940
MEAN	42.7	53.9	478.2	171.3	136.7	256.5	164.8	54.4	48.3	42.4	35.5	31.3
ACRE-FEET	2,630.	3,210.	29,400.	10,530.	7,590.	15,770.	9,810.	3,340.	2,870.	2,600.	2,180.	1,860.

Remarks:

YEAR OR PERIOD MEAN 126.9
ACRE-FEET 91,790.

P. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

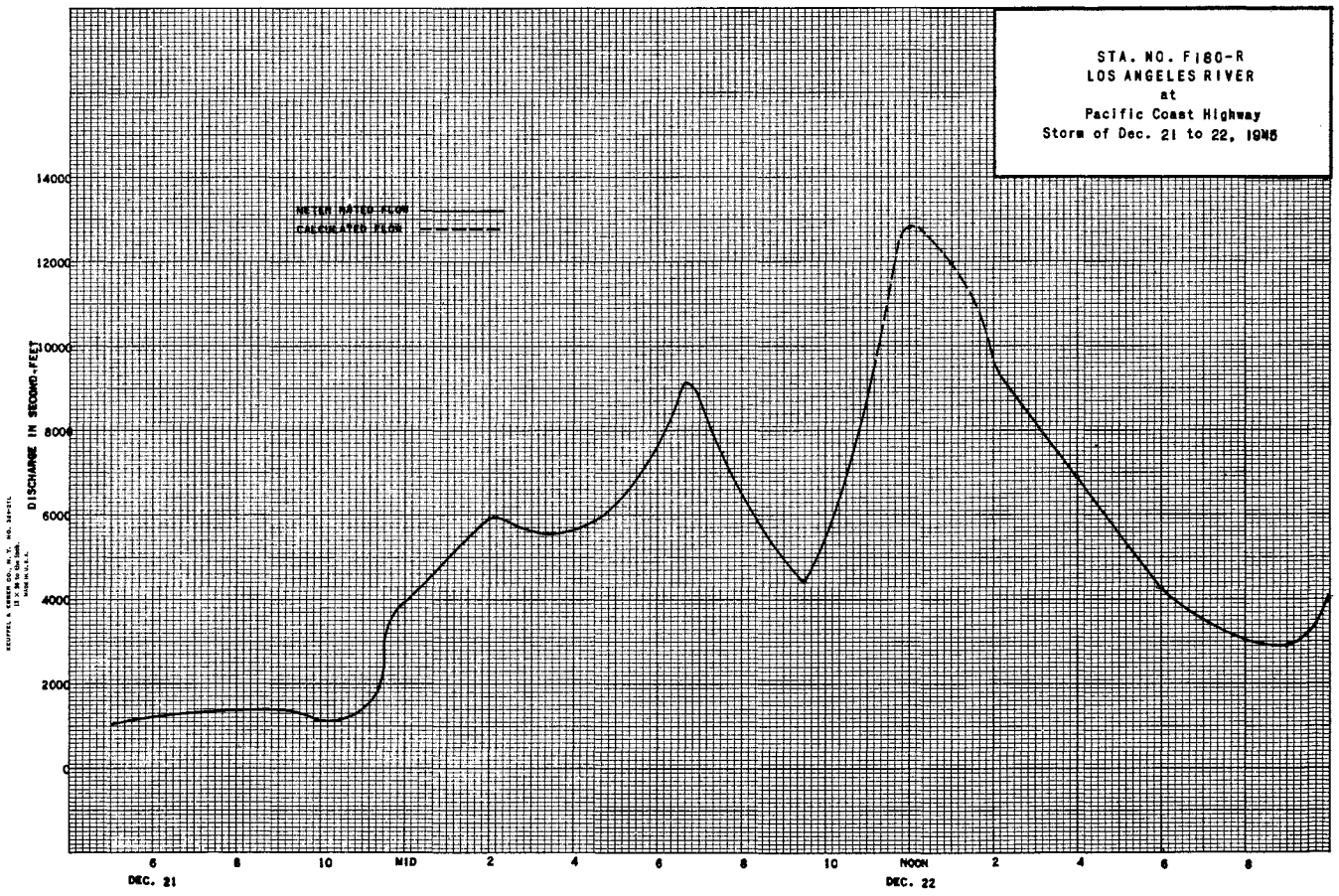
Sta. No. F 180-R

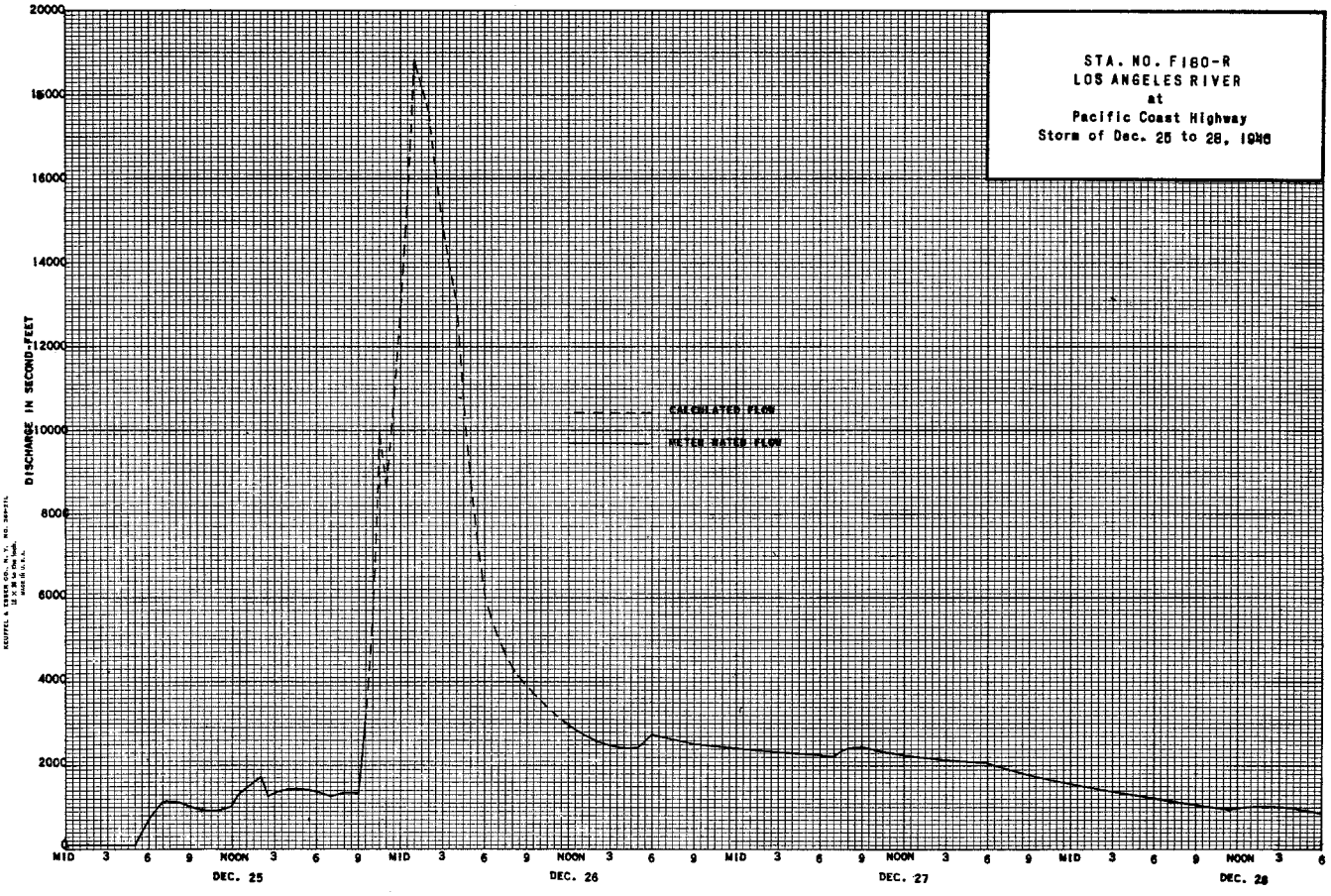
Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 300	b 40	b 110	275	b 106	115	48	43	34	27	b 27	b 24
2	b 130	41	100	204	113	132	52	34	30	29	26	21
3	53	41	98	b 160	102	132	48	32	35	29	26	18
4	50	42	95	140	90	136	71	30	35	28	26	19
5	46	44	b 153	135	b 80	523	56	28	41	22	26	20
6	42	43	427	130	106	246	46	30	39	21	27	21
7	41	45	b 341	125	119	128	35	29	37	21	30	22
8	39	51	189	110	124	128	41	29	30	22	29	23
9	39	42	130	96	290	128	41	29	27	23	29	24
10	36	35	150	98	739	124	39	29	30	32	28	25
11	b 33	b 45	210	102	184	132	39	48	32	41	20	26
12	32	2610	234	100	216	119	39	b 32	30	41	23	28
13	32	4530	215	92	232	102	39	b 32	32	37	23	29
14	33	2050	196	80	194	85	32	35	29	37	26	30
15	35	232	180	84	172	52	41	35	27	37	24	31
16	b 160	197	155	109	162	48	41	34	b 24	35	23	33
17	87	b 160	135	100	162	44	41	34	26	34	22	34
18	b 55	b 100	114	95	150	52	44	32	25	34	21	34
19	42	b 350	100	90	124	58	46	b 31	25	35	23	34
20	37	1850	90	94	106	62	48	b 30	26	35	24	34
21	42	b 481	86	100	106	162	46	b 30	b 26	35	26	35
22	42	b 375	88	113	128	119	66	b 36	23	34	27	35
23	41	2080	80	123	132	60	52	37	20	b 33	29	35
24	40	658	b 150	115	145	50	44	34	24	33	30	35
25	40	482	1770	100	167	50	48	29	27	33	32	34
26	40	442	5750	93	156	46	44	28	32	32	33	34
27	76	170	2150	91	128	50	43	39	32	32	35	33
28	61	b 158	1050	279	115	124	39	52	26	28	36	33
29	48	b 150	623	177		172	44	32	27	27	33	32
30	42	b 125	442	138		68	41	37	24	27	30	b 32
31	b 40		347	b 119		44		34		b 27	b 27	
	1834	17669	15958	3867	4648	3491	1354	1044	875	961	841	868
MEAN	59.2	589	515	125	166	113	45.1	33.7	29.2	31.0	27.1	28.9
ACRE-FEET	3,640	35,050	31,650	7,670	9,220	6,920	2,690	2,070	1,740	1,910	1.670	1.720

Remarks:

YEAR OR PERIOD MEAN 146
ACRE-FEET 106,000





STATION F130-R
MALIBU CREEK at Crater Camp

LOCATION: WATER-STAGE RECORDER LAT. 34°04'38", LONG. 118°42'05", AT UPPER END OF MALIBU GORGE, ABOUT 0.2 MILE DOWNSTREAM FROM CRATER CAMP IN THE SANTA MONICA MOUNTAINS, AND 6 MILES SOUTHWEST OF CALABASAS. ELEVATION OF ZERO GAGE HEIGHT, 430.51 FEET.

DRAINAGE AREA: 103 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 17, 1931 OVER AN 18 INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947

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, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 506 SECOND-FEET, MARCH 30.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES.

1946-1947
MAXIMUM 980 SECOND-FEET, NOVEMBER 13.
MINIMUM 0.1 SECOND-FOOT, VARIOUS TIMES.

1931-1947
MAXIMUM 12,240 SECOND-FEET, JANUARY 22, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT ~~NEAR~~ Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
382	10/18	258P / 300P	BOLLINGER	2.1	0.50	0.80	4.10	0.40		.6	3	0	FC6
383	11/1	415P / 431P	"	5.5	1.43	0.43	3.97	0.61		.6	6	0	"
384	11/8	418P / 425P	HAIG	4.3	1.31	0.40	4.03	0.52		.6	6	0	FC35
385	11/15	145P / 150P	"	3.0	0.75	0.40	4.12	0.30		.6	4	0	"
386	11/23	430P / 436P	"	4.0	1.03	0.56	4.12	0.58		.5	5	0	"
387	12/6	1105A / 1113A	"	4.0	1.68	0.44	4.17	0.74		.5	5	0	"
388	12/20	1005A / 1012A	"	4.0	1.15	0.67	4.18	0.77		.5	6	0	"
389	12/23	134P / 200P	"	62.6	77.5	3.47	5.80	269.		.6	18	-.08	"
390	12/27	1005A / 1024A	"	28.5	14.5	0.70	4.42	10.1		.6 .5	13	0	"
391	1/3	1006A / 1014A	"	TWO CHANNELS			4.30	4.9		.5	10	0	"
392	1/10	1015A / 1020A	"	10.0	3.51	0.84	4.26	3.0		.6	6	0	"
393	1/17	1010A / 1020A	"	6.5	2.85	0.92	4.24	2.6		.6	8	0	"
394	1/23	1014A / 1021A	HAIG BOLLINGER	5.4	2.76	0.87	4.24	2.4		.5	7	0	"
395	1/31	930A / 945A	HAIG	4.3	2.62	0.92	4.23	2.4		.6	5	0	"
396	2/3	347P / 356P	"	24.0	16.8	1.89	4.70	31.8		.6	10		"
397	2/7	1210P / 1222P	"	5.6	2.85	2.03	4.35	5.8		.6	8	0	"
398	2/14	1110A / 1130A	"	5.0	2.86	1.51	4.28	4.3		.6	7	0	"
399	2/21	937A / 945A	"	4.2	2.05	2.14	4.28	4.4		.6	7	0	"
400	2/27	208P / 220P	"	14.5	5.49	0.66	4.28	3.8		.6	9	0	"
401	3/14	1145A / 1155A	"	8.1	2.98	0.94	4.29	2.8		.6	9	0	"
402	3/19	1113A / 1123A	BOLLINGER ECKERT	16.3	8.04	0.60	4.39	4.8		.6	11	0	FC6
403	3/21	135P / 146P	BOLLINGER	10.0	7.42	1.13	4.48	8.4		.6	9	0	"
404	3/28	105P / 112P	BOLLINGER	10.5	6.20	1.03	4.40	6.4		.6	9	0	FC6
405	3/30	930A / 955A	HAIG	63.0	117.	3.88	6.48	456.		.6	7	-.04	FC35
406	3/31	415P / 429P	BOLLINGER ECKERT	45.0	52.8	2.58	5.45	139.		.6	9	0	FC6
407	4/4	117P / 132P	BOLLINGER	35.2	32.8	0.72	4.59	23.8		.6	17	0	"
408	4/11	112P / 128P	"	29.0	23.0	0.43	4.41	9.9		.6	12	0	"
409	4/18	127P / 135P	"	16.0	16.2	0.43	4.35	7.0		.6	9	0	"
410	4/25	306P / 327P	"	TWO CHANNELS			4.32	4.7		5	14	0	"
411	5/2	256P / 306P	"	7.9	3.79	1.28		4.9		.6	9	0	"
412	5/6	1120A / 1127A	"	7.2	2.69	1.45	4.30	3.9		.5	7	0	"
413	5/16	320P / 328P	"	7.3	2.84	1.27	4.28	3.6		.5	7	0	"
414	5/23	338P / 346P	"	7.3	3.42	0.99	4.27	3.4		.6	7	0	"
415	5/31	404P / 413P	"	6.0	2.95	0.88	4.24	2.6		.5	8	0	"
416	6/13	405P / 410P	"	4.0	2.52	0.79	4.21	2.0		.5	6	0	"
417	6/27	330P / 337P	"	3.8	1.83	0.60	4.18	1.1		.5	7	0	"
418	7/10	357P / 401P	HAIG	2.2	0.71	0.85	4.16	0.60		.5	4	0	FC35
419	7/25	300P / 309P	BOLLINGER	3.2	0.63	0.46	4.14	0.29		.5	4	0	FC6
420	8/8	309P / 313P	"	2.5	0.32	0.50	4.14	0.16		.5	3	0	"
421	8/21	250P / 256P	"	2.1	0.31	0.45	4.10	0.14		.5	3	0	"
422	9/19	315P / 321P	"	2.2	0.41	0.32	4.15	0.13		.5	3	0	"

DISCHARGE MEASUREMENTS OF MALIBU CREEK

AT ~~NEAR~~ Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
423	10-3	202P / 207P	BOLLINGER	2.3	0.55	0.29	4.16	0.16		.5	3	0	FC6
424	10-10	327P / 332P	"	2.0	0.53	0.47	4.16	0.25	FLOATS		4	0	
425	10-16	1245P / 1249P	BOLLINGER-WADDICOR	1.3	0.14	1.36	4.17	0.19		"	3	0	
426	10-23	943A / 948A	BOLLINGER	1.7	0.48	0.65	4.18	0.31		"	3	0	
427	10-31	353P / 357P	"	2.2	0.46	1.06	4.19	0.49		"	3	0	
428	11-7	412P / 417P	"	3.0	0.56	0.55	4.21	0.31		.5	3	0	FC6
429	11-12	200P / 205P	WADDICOR-OCAMPO	2.5	0.52	0.31	4.22	0.16		.6	3	0	FC37
430	11-15	357P / 408P	BOLLINGER	14.9	15.2	0.81	4.35	12.3		.6	9	0	FC6
431	11-20	1155A / 1210P	WADDICOR-OCAMPO	40.0	86.1	2.28	6.10	196.		.6	7	0	FC37
432	11-21	438P / 450P	BOLLINGER	24.5	37.6	0.73	4.63	27.4		.6	13	0	FC36
433	11-24	1027A / 1046A	"	35.0	41.4	1.63	4.97	67.4		.6	8	0	"
434	11-27	438P / 456P	"	TWO CHANNELS			4.38	15.9		.6	17	0	"
435	12-5	350P / 408P	" "	" "			4.15	5.0		.6	13	0	"
436	12-6	1055A / 1105A	WADDICOR-OCAMPO	21.0	22.4	0.45	4.33	10.1		.6	6	0	FC37
437	12-12	440P / 449P	BOLLINGER	15.0	8.57	0.70	4.12	6.0		.6	9	0	FC6
438	12-19	423P / 436P	"	15.0	6.72	0.91	4.14	6.1		.6	10	0	"
439	12-27	1015A / 1030A	WADDICOR-OCAMPO	TWO CHANNELS			4.84	44.8		.6	15	0	FC37
440	12-29	1134A / 1150A	BOLLINGER	23.5	22.8	1.36	4.58	30.9		.6	14	0	FC6
441	1-2	930A / 944A	"	25.5	21.1	0.86	4.40	18.1		.6	13	0	"
442	1-9	915A / 930A	"	23.0	16.2	0.66	4.27	10.7		.6	13	0	"
443	1-16	950A / 1002A	"	17.0	9.30	0.89	4.22	8.3		.6	10	0	"
444	1-23	932A / 945A	"	23.0	14.4	0.49	4.18	7.1		.6	12	0	"
445	1-30	1000A / 1015A	"	22.5	14.7	0.48	4.20	7.1		.6	13	0	"
446	2-6	1100A / 1115A	"	14.0	9.83	0.57	4.17	5.6		.6	11	0	"
447	2-13	930A / 942A	"	14.0	9.75	0.58	4.23	5.7		.6	9	0	"
448	2-20	953A / 1004A	"	17.0	8.25	0.39	4.12	3.2		.6	11	0	"
449	2-27	1000A / 1008A	"	12.5	3.31	0.94	4.18	3.1		.5	8	0	"
450	3-6	915A / 927A	"	17.3	9.54	0.35	4.19	3.3		.6	10	0	"
451	3-13	940A / 950A	"	15.0	8.15	0.29	4.16	2.4		.6	11	0	"
452	3-20	309P / 316P	"	13.0	8.81	0.43	4.15	3.8		.5	7	0	"
453	3-27	345P / 355P	"	12.5	7.84	0.33	4.11	2.5		.6	10	0	"
454	4-3	328P / 335P	"	6.2	3.67	1.06	4.08	3.9		.6	6	0	"
455	4-10	440P / 446P	"	12.0	3.95	0.68	4.03	2.7		.5	7	0	"
456	4-18	348P / 356P	"	12.0	3.01	0.63	3.95	1.9		.6	8	0	"
457	4-24	330P / 340P	"	8.5	2.40	0.83	4.29	2.0		.5	6	0	"
458	5-1	415P / 422P	"	7.5	2.00	0.70	4.25	1.4		.6	7	0	"
459	5-15	400P / 406P	"	7.5	2.27	0.40	4.19	0.90		.5	7	0	"
460	5-29	458P / 506P	"	3.0	0.57	0.89	4.15	0.51		.5	5	0	"
461	6-19	405P / 411P	"	3.8	0.75	0.45	4.08	0.29		.5	6	0	"
462	7-2	945A / 953A	"	1.5	0.18	0.83	4.08	0.15		.5	2	0	"
463	7-24	1045A / 1050A	BOLLINGER VAN DER GOOT	5.0	0.30	0.80	4.11	0.22	FLOATS		1	0	
464	8-13	400P / 402P	MOON	1.0	0.14	0.50	4.07	0.07		.5	2	0	FC22
465	9-4	345P / 350P	BOLLINGER	2.3	0.27	0.37	4.06	0.10	FLOATS		3	0	

F. C. Dist. Form 52 4-46

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, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a 0.3	a 0.6	0.7	6.2	2.4	3.3	70	d 5.0	3.0	1.0	0.3	0.1
2	0.3	b 0.6	0.7	5.6	2.7	3.0	45	4.5	3.0	1.0	0.3	0.1
3	0.3	0.6	0.8	5.0	21	2.7	34	4.5	3.0	0.9	0.3	0.1
4	0.3	0.6	0.7	5.0	18	2.7	25	4.2	2.7	0.9	0.3	0.1
5	0.3	0.5	0.7	4.5	10	3.3	22	3.9	2.4	0.8	0.3	0.1
6	0.3	0.5	0.7	4.2	6.7	3.0	18	d 3.6	2.4	0.8	0.2	0.1
7	a 0.3	0.5	0.8	3.9	5.6	3.0	17	3.0	2.4	0.7	0.2	0.1
8	0.3	b 0.5	0.8	3.6	4.5	3.0	14	3.0	2.4	0.7	0.2	0.2
9	0.3	0.5	0.8	3.0	4.2	2.7	11	3.0	2.4	0.6	0.1	0.3
10	0.3	0.5	0.8	3.0	4.5	2.7	9.4	3.0	2.1	0.6	0.1	0.3
11	0.3	0.5	a 0.8	2.4	4.2	3.0	10	3.0	2.1	0.6	0.1	0.2
12	0.3	0.5	0.8	2.1	4.2	2.7	9.4	3.9	1.8	0.5	0.1	0.2
13	0.3	0.5	0.8	2.1	3.9	2.7	9.4	3.6	2.1	0.5	0.1	0.2
14	0.3	0.5	0.8	2.4	3.9	2.7	8.4	3.6	2.1	0.4	0.1	0.2
15	0.3	0.5	0.8	3.0	4.2	3.0	8.4	3.6	1.5	0.3	0.1	0.2
16	0.3	a 0.5	0.8	3.0	4.2	3.0	9.4	3.6	1.5	0.2	0.2	0.3
17	0.4	0.5	0.8	2.7	4.5	2.7	7.8	3.6	1.5	0.2	0.1	0.2
18	a 0.4	0.5	0.8	2.7	4.5	2.7	7.2	3.3	1.4	0.2	0.1	0.2
19	0.4	0.5	0.8	2.7	5.0	5.0	7.2	3.6	1.5	0.3	0.1	0.1
20	0.4	0.6	a 0.8	2.7	5.0	7.8	6.2	3.3	1.4	0.3	0.1	0.1
21	0.4	0.5	71 a	2.7	4.5	7.8	5.0	3.3	1.4	0.3	0.1	0.1
22	0.5	a 0.6	133 a	2.4	4.5	6.2	5.0	3.3	1.4	0.3	0.2	0.3
23	0.5	0.6	166 a	2.4	3.9	3.9	5.6	3.3	1.3	0.2	0.3	0.3
24	0.5	0.7	44	2.4	4.2	3.6	5.0	3.3	1.3	0.3	0.3	0.3
25	0.5	0.7	21 b	2.4	4.2	3.3	5.0	3.3	1.2	0.3	0.1	0.2
26	0.5	0.7	15 b	2.1	3.9	3.0	5.0	3.3	1.2	0.3	0.2	0.2
27	0.5	0.7	11	2.1	3.9	2.7	5.0	3.3	1.1	0.3	0.1	0.2
28	0.5	0.7	8.9	2.4	3.9	5.0	5.6	3.6	1.1	0.3	0.2	0.2
29	0.6	0.7	8.4	2.4		10	5.6	2.7	1.0	0.2	0.2	0.1
30	0.6	0.7	7.2	2.4		267	d 5.6	2.7	1.0	0.3	0.1	0.1
31	a 0.6		7.2	2.4		157		4.3		0.3	0.1	
	12.1	17.1	508.2	95.9	156.2	534.2	401.2	109.2	54.7	14.6	5.3	5.4
MEAN	0.39	0.57	16.4	3.09	5.57	17.2	13.4	3.52	1.82	0.47	0.17	1.80
ACRE-FEET	24.	34.	1,010.	190.	310.	1,060	796.	217.	108.	29.	11.	11.

Remarks:

YEAR OR PERIOD MEAN 5.24
ACRE-FEET 3,800.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

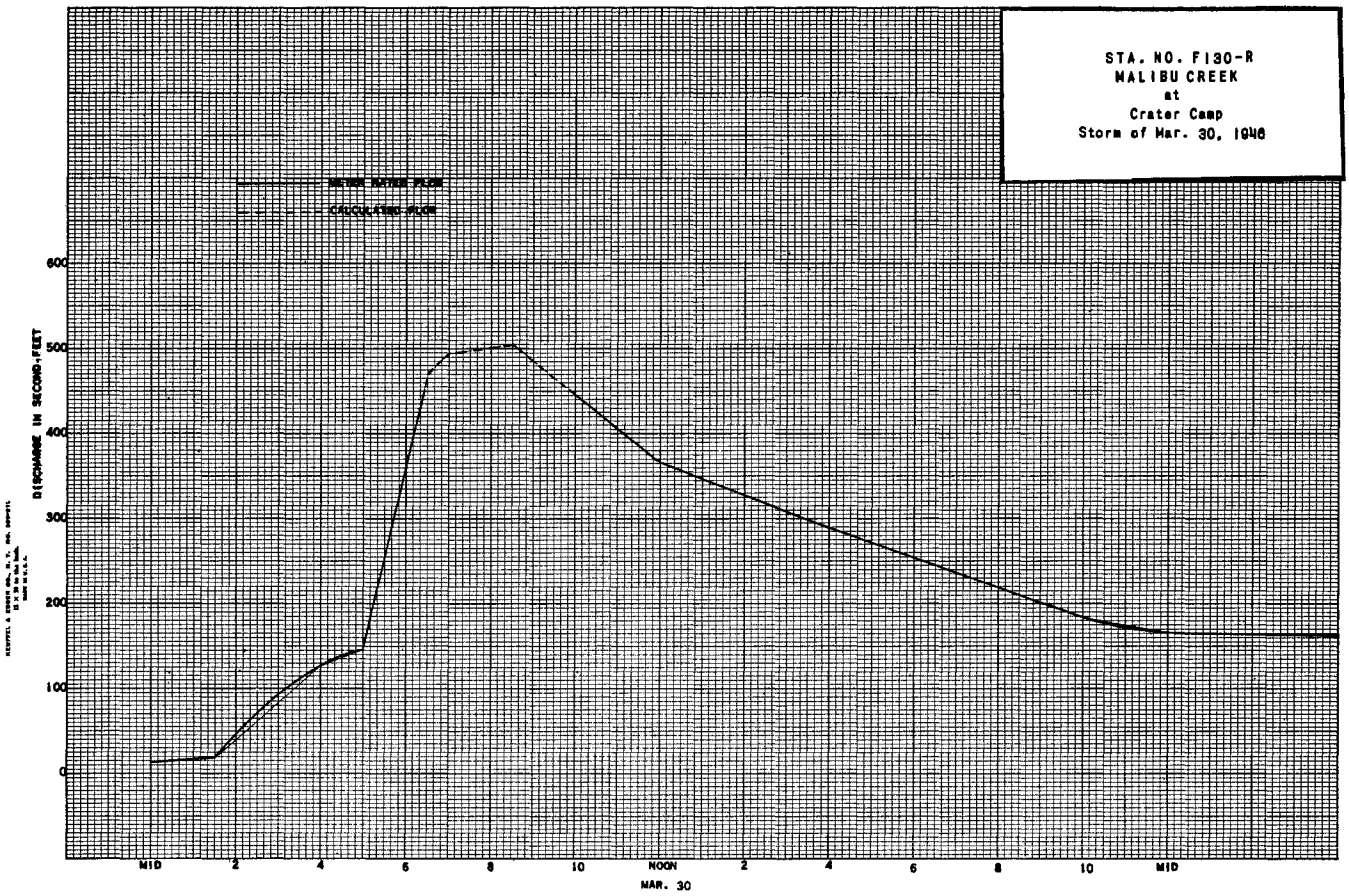
Sta. No. F 130-R

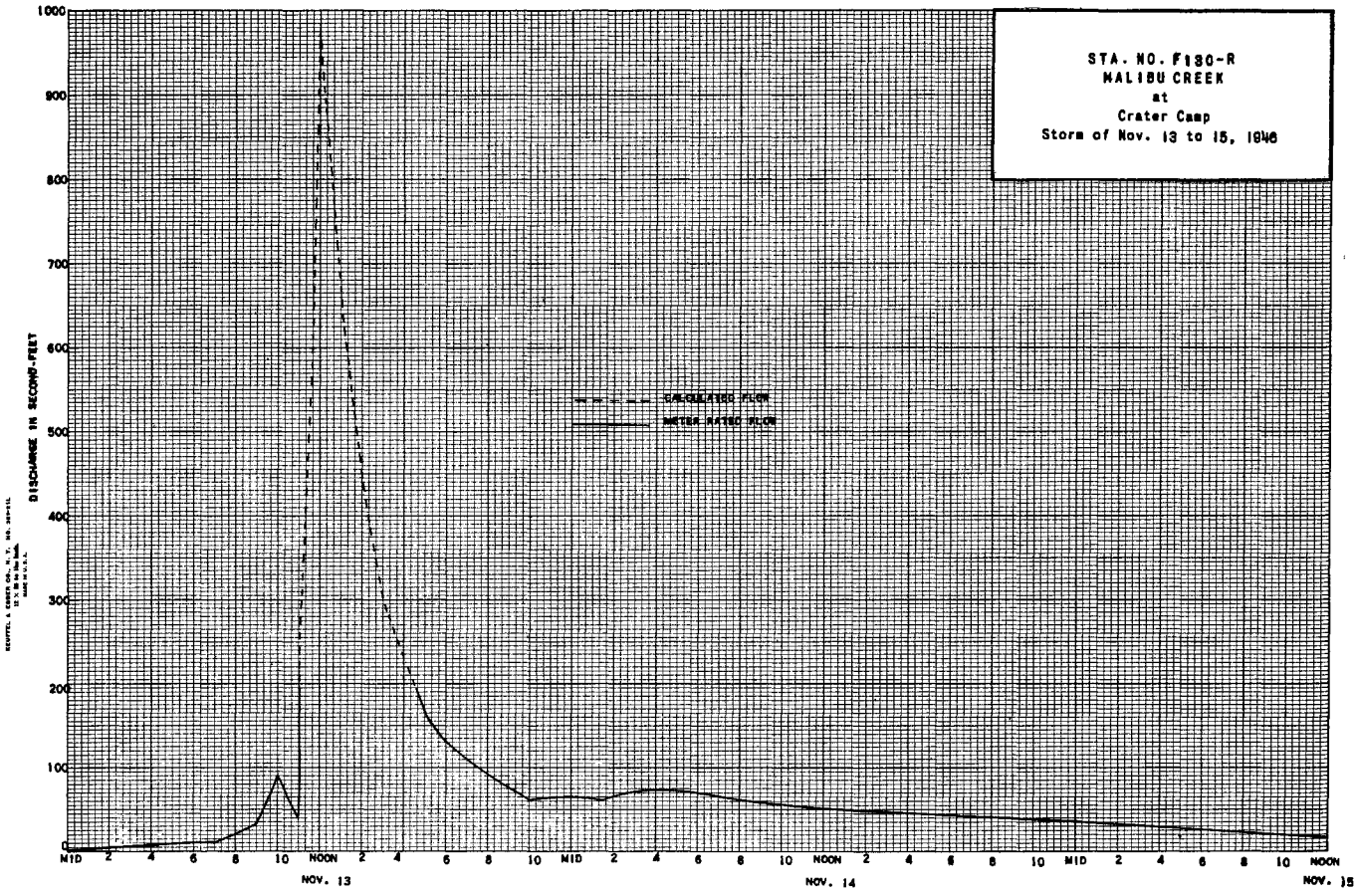
Daily discharge, in second-feet of MALIBU CREEK at Crater Camp, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.5	8.4	20	5.8	3.2	4.3	1.4	0.5	d 0.2	d 0.1	d 0.1
2	0.2	0.4	6.6	a 18	5.5	3.2	4.0	1.4	0.4	0.2	0.1	0.1
3	0.2	0.2	6.1	17	5.2	3.4	4.0	1.4	0.4	0.2	0.1	0.1
4	0.2	0.2	5.5	16	5.2	3.4	4.3	1.2	0.3	0.2	0.1	0.1
5	0.3	0.1	4.9	15	4.9	4.6	4.0	1.2	0.5	0.2	0.1	0.1
6	0.2	0.3	8.7	14	5.5	3.4	3.7	1.2	0.4	0.2	0.1	0.1
7	0.2	0.2	15	13	5.5	3.7	3.4	1.1	0.3	0.2	0.1	0.1
8	0.2	0.2	14	a 12	5.2	4.0	3.2	1.1	0.1	0.2	0.1	0.1
9	0.2	0.2	13	f 11	7.2	4.3	3.2	1.0	0.2	0.2	0.1	0.1
10	0.2	0.2	10	10	9.2	4.0	3.0	0.9	0.2	0.2	0.1	0.1
11	0.2	0.2	8.8	10	8.4	3.4	2.7	1.0	0.2	0.2	0.1	0.1
12	0.2	0.2	6.8	12	6.4	2.7	2.3	1.0	0.1	0.2	0.1	0.1
13	0.2	142	6.4	10	5.5	2.5	2.3	1.0	0.2	0.2	0.1	0.1
14	0.2	53	5.8	9.6	31	2.5	1.9	1.0	0.2	0.2	0.1	0.1
15	0.2	b 20	5.5	8.8	8.8	2.7	1.6	0.9	0.2	0.2	0.1	0.1
16	0.2	6.8	4.9	8.0	4.9	3.0	1.9	0.9	0.2	0.2	0.1	0.1
17	0.2	4.9	4.9	7.6	3.7	3.0	2.1	0.9	0.3	0.2	0.1	0.1
18	0.3	3.7	4.9	7.2	3.4	3.2	1.9	0.8	0.3	0.2	0.1	0.1
19	0.3	3.0	6.1	6.8	3.4	3.4	1.9	0.8	0.4	0.2	0.1	0.1
20	0.3	124	4.6	7.2	3.2	3.7	1.9	0.8	d 0.3	0.2	0.1	0.1
21	0.3	40	4.0	7.6	3.0	4.3	1.9	0.8	0.3	0.2	0.1	0.1
22	0.3	18	3.7	7.6	4.6	4.6	1.9	0.8	0.3	0.2	0.1	0.1
23	0.3	138	3.4	7.2	3.7	4.6	1.9	0.8	0.3	0.2	0.1	0.1
24	0.3	68	8.9	7.2	3.2	3.7	1.9	0.7	0.3	0.2	0.1	0.1
25	0.3	44	4.4	6.8	3.4	3.4	1.9	0.5	0.3	0.2	0.1	0.1
26	0.3	36	5.7	6.1	3.0	2.7	1.6	0.5	0.2	0.2	0.1	0.1
27	0.3	b 19	5.0	6.1	3.2	2.5	1.6	0.6	0.2	0.2	0.1	0.2
28	0.4	14	3.9	11	3.4	6.1	1.9	0.6	0.2	0.2	0.1	0.2
29	0.4	11	2.9	8.8		6.8	2.1	0.5	0.2	0.2	0.1	0.2
30	0.4	9.6	2.7	7.2		5.2	1.9	0.5	d 0.2	0.2	0.1	d 0.2
31	0.5		2.2	6.8		4.6		0.5		d 0.2	d 0.1	
	8.2	757.9	439.1	315.6	165.4	115.8	76.2	27.8	8.2	6.2	3.1	3.4
MEAN	.265	25.3	14.2	10.2	5.91	3.74	2.54	0.90	0.27	0.20	0.10	0.11
ACRE-FEET	16	1,500	871	626	328	230	151	55	16	12	6.1	6.7

Remarks:

YEAR OR PERIOD MEAN 5.28
ACRE-FEET 3,820


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Mar. 30, 1946
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
600
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
MAR. 30


STA. NO. F130-R
MALIBU CREEK
at
Crater Camp
Storm of Nov. 13 to 15, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
100
200
300
400
500
600
700
800
900
1000
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
NOV. 13
NOV. 14
NOV. 15

STATION F63-R
MISSION CREEK at San Gabriel Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'47", LONG. 118°04'07", ON THE UP-STREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE, JUST EAST OF THE RIO HONDO, ABOUT 2 MILES NORTHEAST OF MONTEBELLO. ELEVATION OF GAGE ABOUT 193 FEET.

DRAINAGE AREA: ABOUT 6 SQUARE MILES. FLOW ORIGINATES ALMOST ENTIRELY FROM RISING WATER.

CHANNEL AND CONTROL: CHANNEL - SAND COVERED WITH WEEDS AND BRUSH; SOME CROSS FENCES WHICH CATCH DEBRIS. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING APPROXIMATELY 400 FEET BELOW STATION. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: INSTALLED JUNE 14, 1930, OVER AN 18 INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. HORIZONTAL RATIONAL 7 DAY RECORDER IN SERVICE OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: SOME WATER PUMPED JUST DOWNSTREAM FROM BRIDGE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RECORDER RECORDS JUNE 14, 1930 TO SEPTEMBER 30, 1947. SOME WEEKLY STREAM MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 67 SECOND-FEET, DECEMBER 23.
MINIMUM 17 SECOND-FEET, AUGUST 23.

1946-1947
MAXIMUM 80 SECOND-FEET, DECEMBER 25.
MINIMUM 15 SECOND-FEET, VARIOUS TIMES.

1930-1947
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM 4.8 SECOND-FEET, OCTOBER 4, 1934.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT ~~NEAR~~ San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
482	10/4	835A / 855A	BREWSTER	16.0	15.2	1.28	6.00	19.4		.6	8	0	FC12
483	10/11	900A / 915A	"	15.0	15.6	1.36	6.03	21.2		.6	8	0	"
484	10/18	855A / 910A	"	16.0	16.2	1.30	6.05	21.1		.6	8	0	"
485	10/25	845A / 901A	"	15.0	15.3	1.40	6.02	21.4		.6	8	0	"
486	11/1	845A / 900A	BREWSTER DILLEY	17.0	17.1	1.23	6.09	21.0		.6	8	0	"
487	11/8	841A / 857A	BREWSTER	17.0	17.1	1.21	6.08	20.7		.6	8	0	"
488	11/15	844A / 902A	"	15.0	16.5	1.26	6.08	20.8		.6	8	0	"
489	11/23	840A / 856A	"	16.0	17.4	1.16	6.05	20.2		.6	8	0	"
490	11/29	842A / 858A	"	15.0	16.5	1.26	6.05	20.8		.6	8	0	"
491	12/6	843A / 859A	"	15.0	16.9	1.24	6.07	21.0		.6	8	0	"
492	12/13	846A / 902A	"	16.0	17.2	1.22	6.04	21.0		.6	8	0	"
493	12/20	844A / 902A	"	15.0	16.6	1.29	6.05	21.4		.6	8	0	"
494	12/27	909A / 925A	"	15.0	16.0	1.49	6.26	23.9		.6	8	0	"
495	1/3	834A / 850A	"	15.0	15.3	1.57	6.20	24.0		.6	8	0	"
496	1/10	822A / 840A	"	16.0	16.1	1.45	6.15	23.3		.6	8	0	"
497	1/17	847A / 905A	"	15.0	15.1	1.56	6.12	23.6		.6	8	0	"
498	1/24	850A / 910A	"	18.0	16.2	1.40	6.06	22.6		.6	9	0	"
498	1/31	901A / 918A	"	16.0	14.6	1.58	6.04	23.0		.6	8	0	"
500	2/7	910A / 928A	"	17.0	16.8	1.40	6.13	23.6		.6	9	0	"
501	2/14	905A / 925A	"	17.0	16.1	1.51	6.07	24.3		.6	9	0	"
502	2/21	840A / 858A	"	17.0	15.7	1.55	6.09	24.3		.6	9	0	"
503	2/28	844A / 900A	"	18.0	16.8	1.40	6.09	23.5		.6	9	0	"
504	3/7	858A / 916A	"	18.0	18.0	1.24	6.08	22.3		.6	9	0	"
505	3/14	828A / 846A	BREWSTER	16.0	17.0	1.36	6.07	23.1		.6	8	0	FC12
506	3/21	858A / 916A	"	15.0	18.6	1.56	6.28	29.0		.6	8	0	"
507	3/28	735A / 750A	"	18.0	20.0	1.25	6.23	25.1		.6	9	+.02	"
508	4/4	850A / 905A	"	15.0	16.6	1.65	6.28	27.4		.6	8	0	"
509	4/11	842A / 902A	"	18.0	17.8	1.42	6.18	25.2		.6	9	0	"
510	4/18	845A / 901A	"	18.0	16.7	1.44	6.11	24.1		.6	8	0	"
511	4/25	850A / 905A	"	17.0	16.1	1.39	6.09	22.4		.6	8	0	"
512	5/2	840A / 858A	"	16.0	15.6	1.40	6.11	21.9		.6	8	0	"
513	5/9	835A / 851A	"	15.0	14.9	1.52	6.09	22.6		.6	8	0	"
514	5/16	839A / 855A	"	17.0	16.3	1.39	6.12	22.6		.6	8	0	"
515	5/23	846A / 904A	"	18.0	16.8	1.28	6.09	21.5		.6	8	0	"
516	5/31	844A / 900A	"	17.0	16.1	1.30	6.09	20.9		.6	8	0	"
517	6/7	831A / 846A	"	17.0	16.2	1.24	6.07	20.1		.6	8	0	"
518	6/13	835A / 851A	"	17.0	15.9	1.20	6.06	19.1		.6	8	0	"
519	6/20	840A / 856A	"	17.0	16.0	1.18	6.05	18.8		.6	8	0	"
520	6/27	850A / 906A	"	16.0	15.4	1.20	6.04	18.5		.6	8	0	"
521	7/5	837A / 851A	"	17.0	16.4	1.11	5.98	18.2		.6	8	0	"
522	7/11	840A / 856A	"	15.0	15.7	1.23	5.96	19.3		.6	8	0	"
523	7/18	836A / 852A	"	17.0	16.3	1.15	5.95	18.8		.6	8	0	"
524	7/25	843A / 859A	"	15.0	15.9	1.19	5.95	19.0		.6	8	0	"
525	8/1	815A / 827A	BREWSTER BONADIMAN	16.0	15.8	1.12	5.91	17.7		.6	8	0	"
526	8/8	850A / 900A	BONADIMAN	16.0	16.4	1.16	5.94	19.0		.6	9	0	FC19
527	8/15	815A / 825A	BONADIMAN	16.0	16.6	1.09	5.95	18.2		.6	8	0	FC19
528	8/22	755A / 806A	"	15.0	14.7	1.20	5.94	17.6		.6	8	0	"
529	8/29	849A / 905A	BREWSTER	16.0	16.0	1.14	5.92	18.2		.6	8	0	FC12
530	9/5	840A / 856A	"	16.0	16.0	1.14	5.90	18.2		.6	8	0	"
531	9/12	845A / 900A	"	15.0	15.7	1.18	5.90	18.5		.6	8	0	"
532	9/19	826A / 842A	"	15.0	15.8	1.25	5.91	19.7		.6	8	0	"
533	9/26	825A / 840A	"	17.0	16.0	1.19	5.94	19.1		.6	8	0	"

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT San Gabriel Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
534	10-3	845A / 900A	BREWSTER	15.0	15.8	1.22	5.94	19.3		.6	8	0	FC12
535	10-10	855A / 911A	"	16.0	15.8	1.20	5.92	19.0		.6	8	0	"
536	10-17	838A / 854A	"	15.0	16.0	1.21	5.94	19.4		.6	8	0	"
537	10-24	835A / 849A	"	15.0	15.8	1.32	5.92	20.8		.6	8	0	"
538	10-31	842A / 856A	"	16.0	16.4	1.23	5.93	20.1		.6	8	0	"
539	11-7	842A / 858A	"	16.0	16.4	1.21	5.92	19.9		.6	8	0	"
540	11-14	155P / 205P	BREWSTER - VINES	18.0	25.8	1.30	6.65	33.6		.6	5	0	"
541	11-15	850A / 905A	BREWSTER	15.0	18.8	1.24	6.32	23.4		.6	8	-.01	"
542	11-22	805A / 820A	"	15.0	18.2	1.22	6.27	22.2		.6	8	.0	"
543	11-29	809A / 825A	"	15.0	17.8	1.24	6.18	22.1		.6	8	0	"
544	12-5	815A / 830A	"	15.0	18.4	1.22	6.16	22.4		.6	8	0	"
545	12-12	815A / 825A	"	16.0	18.2	1.25	6.12	22.7		.6	5	0	"
546	12-19	850A / 905A	"	15.0	17.0	1.34	6.10	22.8		.6	8	0	"
547	12-26	128P / 140P	BREWSTER - VINES	18.0	28.5	1.59	6.80	45.3		.6	6	0	"
548	12-27	830A / 840A	" "	18.0	19.6	1.32	6.48	26.8		.6	5	0	"
549	1-3	913A / 925A	BREWSTER	15.0	16.4	1.45	6.16	23.7		.6	6	0	"
550	1-9	910A / 925A	"	16.0	16.8	1.42	6.13	23.9		.6	8	0	"
551	1-16	858A / 914A	"	18.0	18.6	1.27	6.10	23.7		.6	9	0	"
552	1-23	854A / 912A	"	18.0	17.8	1.31	6.08	23.4		.6	9	0	"
553	1-30	901A / 917A	"	17.0	16.8	1.38	6.13	23.1		.6	8	0	"
554	2-6	847A / 903A	"	17.0	16.7	1.35	6.08	22.5		.6	8	0	"
555	2-13	850A / 905A	"	15.0	16.3	1.40	6.11	22.9		.6	8	0	"
556	2-20	847A / 857A	BREWSTER-WADDICOR	16.0	15.8	1.47	6.07	23.2		.6	8	0	"
557	2-27	847A / 859A	WADDICOR	15.3	15.5	1.33	6.06	20.6		.6	9	0	FC37
558	3-6	930A / 940A	"	13.5	15.5	1.34	6.11	20.8		.6	7	0	"
559	3-13	848A / 858A	"	15.0	15.6	1.34	6.06	21.0		.6	8	0	"
560	3-20	900A / 912A	"	15.0	16.3	1.31	6.04	21.4		.6	10	0	"
561	3-27	909A / 919A	WADDICOR VAN DER GOOT	16.1	16.2	1.28	6.02	20.7		.6	9	0	"
562	4-2	855A / 905A	WADDICOR	14.3	14.2	1.42	6.06	20.2		.6	8	0	"
563	4-10	902A / 912A	"	15.0	14.6	1.30	5.98	19.0		.6	8	0	"
564	4-17	905A / 915A	"	13.3	12.4	1.25	5.94	15.5		.6	8	0	"
565	4-24	850A / 900A	"	14.1	13.7	1.26	5.96	17.2		.6	8	0	"
566	5-1	903A / 911A	WADDICOR-MELLEN	16.0	15.2	1.28	5.95	19.5		.6	10	0	"
567	5-8	855A / 905A	WADDICOR	14.8	14.3	1.26	5.92	18.0		.6	9	0	"
568	5-15	855A / 905A	"	14.0	14.0	1.31	5.94	18.4		.6	9	0	"
569	5-22	857A / 908A	"	13.8	13.4	1.22	5.93	16.4		.6	8	0	"
570	5-29	847A / 859A	"	15.0	14.6	1.27	5.93	18.6		.6	8	0	"
571	6-5	858A / 908A	"	15.0	14.8	1.25	5.93	18.5		.6	9	0	"
572	6-12	855A / 905A	"	15.5	15.4	1.23	5.97	19.0		.6	8	0	"
573	6-19	850A / 900A	"	15.2	14.3	1.29	5.92	18.4		.6	9	0	"
574	6-26	855A / 905A	"	15.0	14.6	1.28	5.91	18.7		.6	9	0	"
575	7-3	850A / 900A	"	15.2	14.0	1.23	5.85	17.2		.6	9	0	"
576	7-10	900A / 910A	"	16.0	15.8	1.04	5.85	16.5		.6	9	0	"
577	7-17	857A / 907A	"	16.0	16.5	0.98	5.87	16.1		.6	9	0	"
578	7-24	850A / 900A	"	15.8	15.5	1.06	5.87	16.4		.6	9	0	"
579	7-31	850A / 900A	"	15.5	14.8	1.08	5.85	16.0		.6	9	0	"
580	8-7	835A / 853A	BREWSTER	17.0	15.2	1.03	5.84	15.7		.6	8	0	FC12
581	8-14	830A / 848A	"	14.0	14.5	1.14	5.83	16.6		.6	7	0	"
582	8-21	832A / 848A	"	15.0	14.4	1.24	5.84	17.9		.6	8	0	"
583	8-28	902A / 912A	WADDICOR	16.2	15.8	1.09	5.85	17.3		.6	9	0	FC37
584	9-4	825A / 835A	"	15.5	15.5	1.05	5.79	16.2		.6	8	0	"
585	9-11	840A / 850A	"	15.5	15.1	1.03	5.82	15.5		.6	8	0	"
586	9-18	848A / 858A	"	16.0	16.5	1.07	5.88	17.6		.6	9	0	"
587	9-25	915A / 925A	"	14.8	16.1	1.01	5.85	16.3		.6	9	0	"

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	21	21	23	23	23	30	22	20	19	18	18
2	20	21	21	23	23	23	30	22	21	19	18	18
3	20	21	21	24	27	23	28	22	20	19	18	18
4	19	21	21	23	26	23	27	22	20	19	18	18
5	20	21	21	24	24	22	27	22	20	18	18	18
6	20	21	21	24	24	22	26	22	20	18	18	18
7	20	21	21	23	23	22	26	22	20	19	19	18
8	21	21	21	23	23	22	26	22	20	19	19	18
9	21	21	21	23	24	22	26	23	20	19	18	18
10	21	21	21	23	24	23	26	23	19	19	19	18
11	21	21	21	24	24	23	25	23	19	19	18	18
12	21	21	21	24	24	22	24	23	19	19	18	19
13	21	21	21	24	24	23	24	23	19	19	18	19
14	21	21	21	24	24	23	24	23	19	19	18	19
15	21	21	21	24	25	23	24	22	19	19	18	19
16	21	21	21	24	25	23	24	23	19	19	18	19
17	21	21	21	24	25	23	24	22	19	19	18	20
18	21	21	21	23	25	23	24	22	19	19	18	20
19	21	21	21	23	25	26	24	22	19	19	18	19
20	21	20	21	23	25	30	24	22	19	19	18	19
21	22	20	24	23	24	28	23	22	19	19	18	19
22	21	20	52	23	24	27	23	22	19	19	17	19
23	22	20	48	23	24	27	23	22	19	19	17	19
24	21	20	28	23	24	26	22	22	19	19	17	19
25	21	20	26	23	24	26	22	22	18	19	18	19
26	21	20	25	23	24	26	22	22	19	18	18	19
27	21	21	24	23	24	26	22	22	18	18	18	18
28	21	21	23	23	23	25	22	22	18	18	18	18
29	21	21	23	23		25	22	22	19	18	18	18
30	21	21	23	23		42	22	21	19	18	18	19
31	21		23	23		35		21		18	18	
	645	623	739	723	678	777	736	667	577	561	558	558
MEAN	20.8	20.8	23.8	23.3	24.2	25.1	24.5	22.2	19.2	18.7	18.0	18.6
ACRE-FEET	1,280.	1,240.	1,470.	1,430.	1,340.	1,540.	1,460.	1,360.	1,140.	1,150.	1,110.	1,110.

Remarks:

YEAR OR PERIOD MEAN 21.6
ACRE-FEET 15,630.

P. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

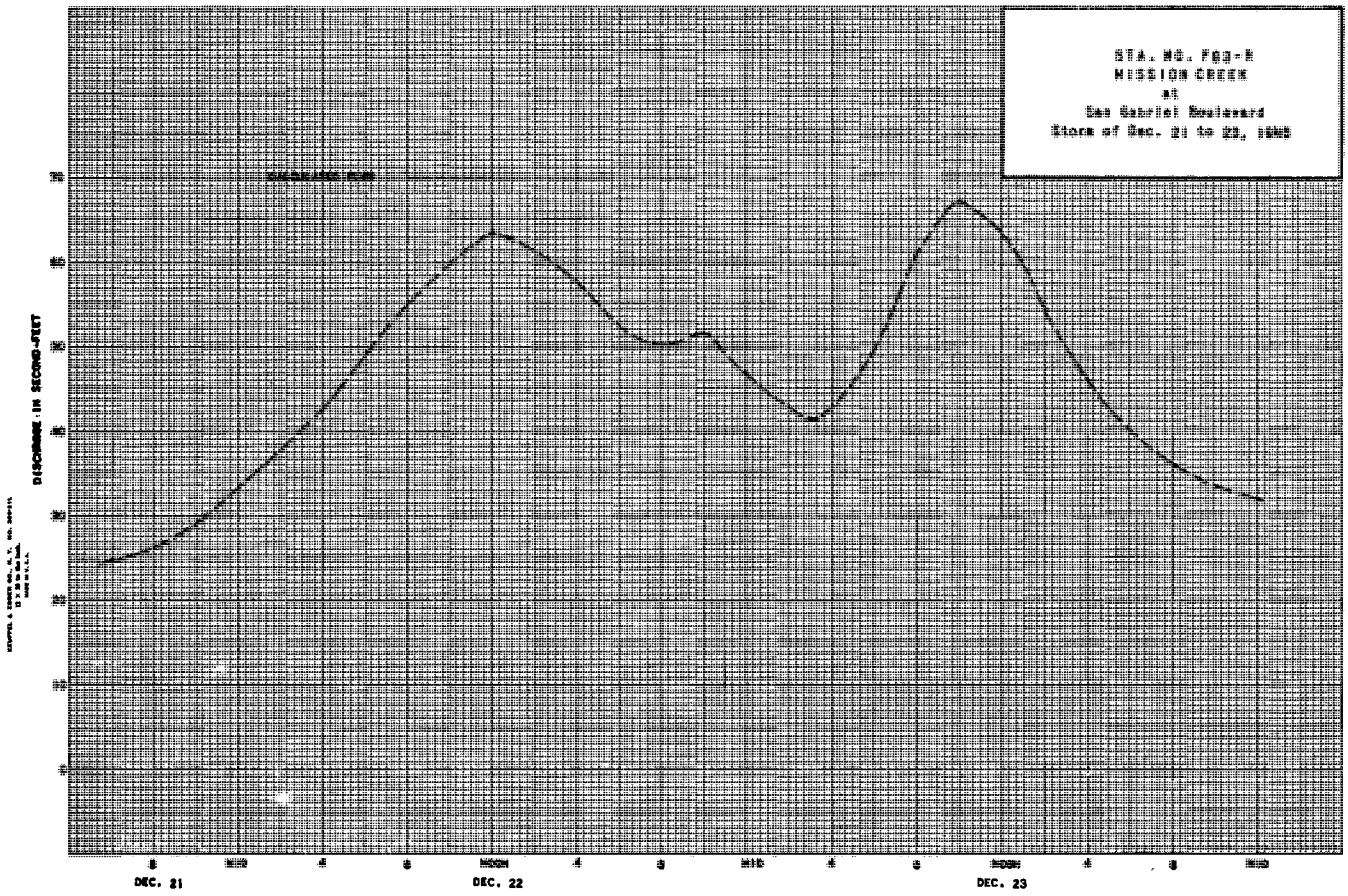
Sta. No. F 83-R

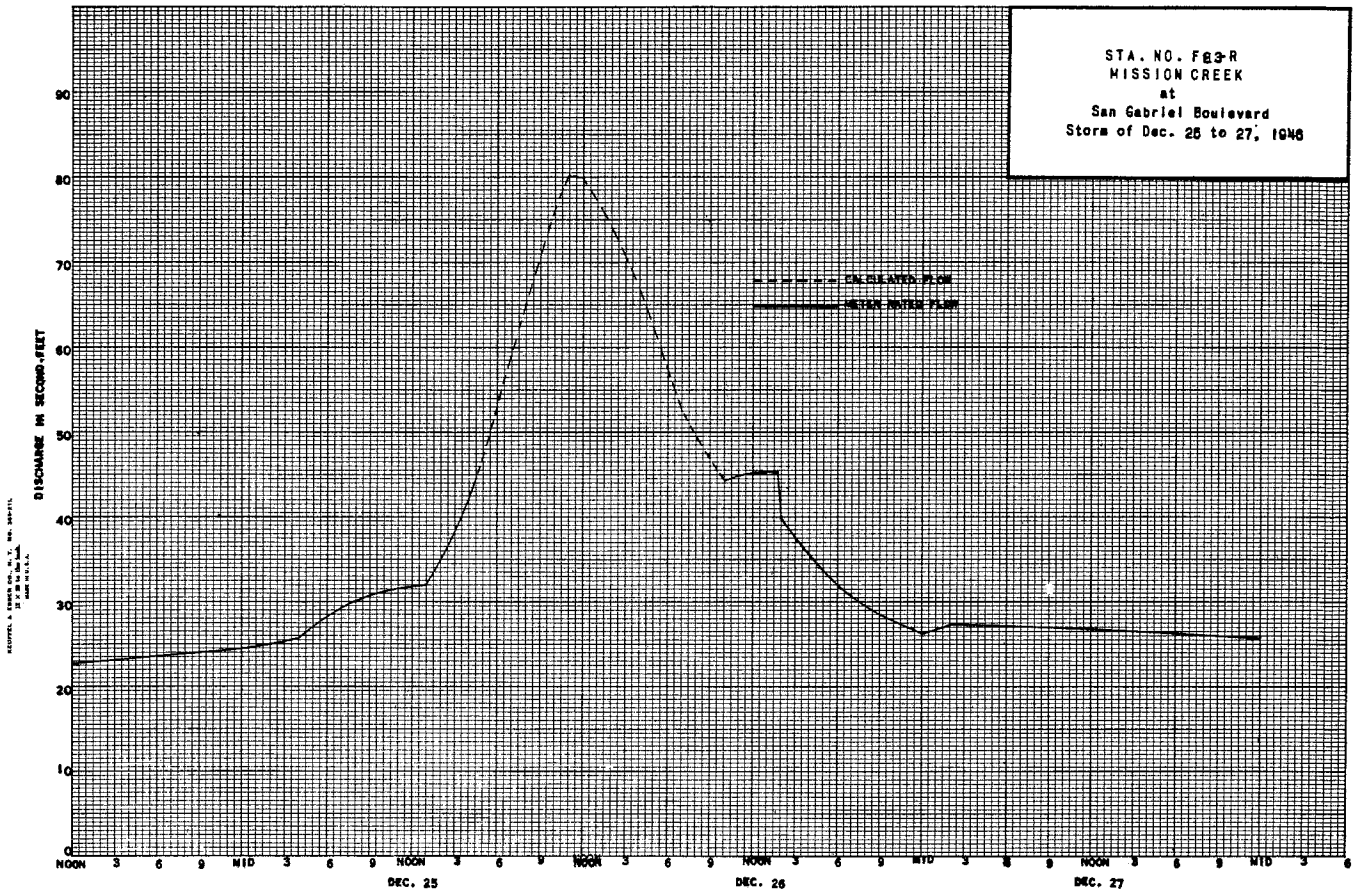
Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	20	22	23	23	20	20	19	18	17	15	16
2	19	20	22	23	23	20	20	19	18	17	16	16
3	19	20	22	24	23	20	20	18	18	17	16	16
4	19	20	22	24	22	21	20	18	18	17	16	16
5	19	20	22	24	22	22	20	18	18	17	16	16
6	19	20	24	24	22	21	20	18	18	17	16	16
7	19	20	23	24	22	21	20	18	18	17	15	16
8	19	20	23	24	22	21	20	18	18	17	16	16
9	19	20	23	24	24	21	20	18	18	16	16	16
10	19	21	23	23	24	21	19	18	19	16	16	15
11	19	21	22	24	23	21	18	18	19	16	16	15
12	18	26	22	24	23	21	17	18	19	16	16	15
13	19	40	22	23	23	21	17	18	18	16	16	16
14	19	31	23	23	23	20	17	18	19	16	16	16
15	19	23	23	24	22	20	16	18	19	16	16	16
16	19	21	23	24	23	21	15	18	19	16	17	16
17	19	20	23	23	23	21	15	18	18	16	17	16
18	19	20	22	23	23	20	15	17	18	16	17	17
19	20	19	22	23	23	21	16	17	18	16	17	17
20	20	28	22	24	23	21	16	17	18	16	17	17
21	20	25	22	24	22	22	16	16	19	16	17	17
22	20	22	22	23	22	22	17	16	19	16	17	17
23	21	36	22	23	22	22	17	16	18	16	17	16
24	20	30	23	24	21	21	17	17	18	16	17	16
25	20	24	41	24	21	20	17	17	18	16	17	16
26	20	23	45	24	21	20	17	17	18	16	17	16
27	20	22	26	24	20	21	18	18	18	16	17	16
28	20	22	23	25	20	21	18	18	18	16	17	16
29	20	22	23	24		21	18	18	18	16	17	16
30	21	22	22	23		21	18	18	18	16	17	16
31	20		23	23		21		18		16	17	
	603	698	742	733	625	647	534	548	548	504	510	482
MEAN	19.5	23.3	23.9	23.6	22.3	20.9	17.8	17.7	18.3	16.3	1.65	16.1
ACRE-FEET	1,200	1,380	1,470	1,450	1,240	1,280	1,060	1,090	1,090	1,000	1,010	956

Remarks:

YEAR OR PERIOD MEAN 19.7
ACRE-FEET 14,230





STATION Fg2-R
MONROVIA CREEK above Sawpit Creek

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'26", LONG. 117°59'22", ON THE RIGHT (WEST) BANK OF MONROVIA CREEK 200 FEET UPSTREAM FROM SAWPIT CREEK AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF ZERO GAGE HEIGHT, 1152.66 FEET.

DRAINAGE AREA: 1.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL. CONTROL - NATURAL CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED NOVEMBER 10, 1927 IN A CONCRETE RUBBLE HOUSE OVER A 4 FT. X 3 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: MONROVIA PIPE LINE DIVERTS WATER ABOVE GAGE.

RECORDS AVAILABLE: NOVEMBER 10, 1927 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 55 SECOND-FEET, DECEMBER 23.
MINIMUM .01 SECOND-FOOT, PART OF YEAR.

1946-1947
MAXIMUM 40 SECOND FEET, NOVEMBER 20.
MINIMUM 0.02 SECOND-FOOT, PART OF YEAR.

1927-1947
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 109 SECOND-FEET, APRIL 8, 1935.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR Above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
552	10/11	1000A / 1003A	STUNDEN	0.7	0.06	0.33	3.56	0.02		.5	1	0	FC36
553	10/25	1002A / 1004A	MOON	0.8	0.08	0.50	3.42	0.04		.5	1	0	FC22
554	11/8	1030A / 1032A	"	0.9	0.09	0.44	3.43	0.04		.6	2	0	"
555	11/21	1012A / 1014A	"	0.8	0.08	0.50	3.43	0.04		.5	1	0	"
556	12/6	950A / 952A	"	0.9	0.09	0.44	3.44	0.04		.5	1	0	"
557	12/20	1027A / 1029A	"	0.9	0.09	0.44	3.45	0.04		.6	1	0	"
558	12/24	303P / 310P	"	4.5	1.51	1.52	3.74	2.30		.6	5	0	"
559	12/27	1132A / 1135A	"	3.0	0.43	0.70	3.61	0.30		.5	2	0	"
560	1/10	1104A / 1106A	"	1.5	0.14	0.57	3.57	0.08		.5	2	0	"
561	1/24	855A / 857A	"	1.0	0.16	0.62	3.59	0.10		.6	2	0	"
562	2/7	952A / 954A	"	1.8	0.12	0.58	3.58	0.07		.5	2	0	"
563	2/20	127P / 129P	"	1.5	0.08	0.62	3.57	0.05		.5	2	0	"
564	2/28	912A / 914A	"	1.5	0.08	0.75	3.57	0.06		.5	2	0	"
565	3/13	1020A / 1022A	"	1.5	0.09	0.67	3.57	0.06		.6	2	0	"
566	3/21	1010A / 1012A	"	1.5	0.09	0.56	3.58	0.05		.5	2	0	"
567	3/30	632A / 636A	MOON ROCKENMEYER	5.0	1.30	2.46	3.85	3.2		.6	4	0	"
568	3/30	134P / 139P	MOON ROCKENMEYER	8.0	2.95	4.10	3.94	12.1		.6	5	0	"
569	4/5	1113A / 1114A	MOON	2.0	0.15	1.00	3.60	0.15		.5	2	0	"
570	4/18	950A / 952A	"	1.8	0.12	0.67	3.57	0.08		.5	2	0	"
571	5/3	1155A / 1157A	"	1.8	0.12	0.50	3.57	0.06		.5	2	0	"
572	5/16	312P / 314P	"	1.8	0.10	0.40	3.56	0.04		.5	2	0	"
573	5/30	1009A / 1011A	"	1.5	0.10	0.40	3.57	0.04		.5	2	0	"
574	6/13	1056A / 1058A	"	1.0	0.07	0.57	3.59	0.04		.5	2	0	"
575	6/27	954A / 956A	MOON	1.0	0.07	0.43	3.57	0.03		.5	2	0	FC22
576	7/11	1015A / 1017A	MOON	1.0	0.07	0.43	3.54	0.03		.5	2	0	"
577	7/25	930A / 932A	"	1.0	0.04	0.75	3.54	0.03		.5	2	0	"
578	8/22	952A / 954A	"	1.0	0.03	0.67	3.53	0.02		.5	2	0	"
579	9/5	1000A / 1003A	STUNDEN	1.0	0.04	0.50		0.02		SURF	2		FC36
580	9/19	930A / 933A	"	1.0	0.05	0.20		0.01		"	1		"
581	9/25	1255A / 1257A	"	0.5	0.03	0.67		0.02		"	1		"

DISCHARGE MEASUREMENTS OF MONROVIA CREEK

~~AT~~ NEAR above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
582	10-3	1012A / 1014A	MOON	1.5	0.10	0.50	3.52	0.05		.5	2	0	FC22
583	10-23	1232P / 1234P	"	1.3	0.10	0.40	3.52	0.04		.5	1	0	"
584	11-6	110P / 112P	"	1.5	0.12	0.33	3.57	0.04		.5	2	0	"
585	11-13	1120A / 1124A	MOON ROCKENMEYER	6.0	3.50	1.46	3.94	5.1		.6	4	0	"
586	11-15	856A / 901A	MOON	2.0	0.22	1.09	3.64	0.24		.5	4	0	"
587	11-22	315P / 317P	MOON ROCKENMEYER	2.0	0.36	1.61	3.65	0.58		.5	3	0	"
588	11-29	105P / 110P	STUNDEN	1.5	0.24	0.42	3.57	0.10		.5	3	0	FC36
589	12-5	1051A / 1053A	MOON	1.4	0.11	0.73	3.56	0.08		.5	2	0	FC22
590	12-12	849A / 851A	"	1.2	0.10	0.80	3.56	0.08		.5	2	0	"
591	12-18	952A / 954A	"	1.2	0.10	0.80	3.55	0.08		.6	2	0	"
592	12-25	752P / 757P	MOON STEVENS	8.0	3.10	1.71	3.92	5.3		.6	5	0	"
593	12-27	246P / 251P	"	6.0	2.25	1.38	3.85	3.1		.6	4	+.01	"
594	1-8	122P / 124P	MOON	1.0	0.08	0.75	3.54	0.06		.6	2	0	"
595	1-15	1150A / 1152A	"	1.0	0.10	0.90	3.53	0.09		.5	2	0	"
596	1-22	1112A / 1114A	"	1.0	0.10	0.80	3.59	0.08		.5	2	0	"
597	1-30	942A / 944A	"	1.2	0.12	0.67	3.56	0.08		.5	2	0	"
598	2-5	1132A / 1134A	"	1.4	0.14	0.57	3.55	0.08		.5	2	0	"
599	2-14	1012A / 1014A	"	1.0	0.07	0.57	3.54	0.04		.5	2	0	"
600	2-20	904A / 906A	"	1.0	0.07	0.57	3.53	0.04		.5	2	0	"
601	2-27	212P / 214P	"	1.2	0.07	0.57	3.53	0.04		.5	2	0	"
602	3-6	312P / 314P	"	1.2	0.07	0.57	3.52	0.04		.5	2	0	"
603	3-13	1015A / 1017A	"	1.2	0.07	0.57	3.52	0.04		.5	2	0	"
604	3-20	852A / 854A	"	1.2	0.07	0.57	3.51	0.04		.5	2	0	"
605	3-26	128P / 130P	"	1.2	0.06	0.50	3.51	0.03		.5	2	0	"
606	4-10	1027A / 1029A	"	1.2	0.06	0.67	3.53	0.04		.5	2	0	"
607	4-17	920A / 922A	"	1.2	0.06	0.50	3.49	0.03		.5	2	0	"
608	5-1	248P / 250P	"	1.0	0.07	0.43	3.51	0.03		.5	2	0	"
609	5-8	342P / 344P	"	1.0	0.07	0.43	3.53	0.03		.5	2	0	"
610	5-14	412P / 414P	"	1.0	0.06	0.50	3.52	0.03		.5	2	0	"
611	5-22	430P / 432P	"	1.0	0.07	0.57	3.53	0.04		.5	2	0	"
612	5-28	504P / 506P	"	1.0	0.08	0.62	3.53	0.05		.5	2	0	"
613	6-5	1102A / 1104A	"	1.0	0.09	0.67	3.54	0.06		.5	2	0	"
614	6-11	250P / 252P	"	1.0	0.06	0.67	3.53	0.04		.5	2	0	"
615	6-19	1123A / 1125A	"	1.0	0.06	0.50	3.51	0.03		.5	2	0	"
616	6-25	227P / 229P	"	1.0	0.06	0.67	3.50	0.04		.5	2	0	"
617	7-2	422P / 424P	"	0.90	0.04	0.75	3.48	0.03		.5	2	0	"
618	7-9	1247P / 1249P	"	0.90	0.04	0.50	3.48	0.02		.5	2	0	"
619	7-17	1055A / 1057A	MOON - PAYNE	1.00	0.05	0.60	3.48	0.03		.5	2	0	"
620	7-23	300P	MOON				3.48	0.03		V NOTCH WEIR		0	
621	7-30	1210P	"				3.47	0.02		"		0	
622	8-14	1107A	"				3.47	0.02		"		0	
623	9-4	835A / 837A	STUNDEN	0.80	0.05	0.40	3.44	0.02		SURF	1	0	FC36
624	9-11	155P / 158P	"	0.70	0.35	0.57	3.45	0.02		"	1	0	"
625	9-17	250P / 252P	"	0.80	0.05	0.60	3.46	0.03		"	1	0	"
626	9-25	158P / 200P	"	0.80	0.04	0.50	3.45	0.02		"	1	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F22-R

Daily discharge, in second-feet of MONROVIA CREEK above Sawpit Creek for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.03	0.04	0.04	0.2	0.09	0.06	2.0	V 0.06	V 0.04	V 0.03	V 0.03	V 0.02
2	0.03	0.04	0.04	0.2	0.09	0.06	0.6	0.06	0.04	0.03	0.03	0.02
3	0.03	0.04	0.04	0.2	0.5	0.06	0.3	0.06	0.04	0.03	0.03	0.02
4	0.03	0.04	0.04	0.09	0.2	0.06	0.2	0.06	0.04	0.03	0.03	0.02
5	0.03	0.04	0.04	0.09	0.07	0.06	0.2	0.06	0.04	0.03	0.03	0.02
6	0.03	0.04	0.04	0.09	0.07	0.06	V 0.2	0.06	0.04	0.03	0.03	0.02
7	0.02	0.04	0.04	0.09	0.07	0.06	0.1	0.05	0.04	0.03	0.03	0.02
8	0.02	0.04	0.04	0.08	0.07	0.06	0.1	0.05	0.04	0.03	0.03	0.02
9	0.02	0.04	0.04	0.08	0.07	0.06	0.1	0.05	0.04	0.03	0.02	0.02
10	0.02	0.04	0.04	0.06	0.07	0.06	0.1	0.05	0.04	0.03	0.02	0.02
11	0.02	0.04	0.04	0.08	0.07	0.06	0.1	0.05	0.04	0.03	0.02	0.02
12	0.02	0.04	0.04	0.08	0.08	0.06	0.1	0.04	0.04	0.03	0.02	0.02
13	0.03	0.04	0.04	0.08	0.08	0.06	0.09	0.04	0.04	0.03	0.02	0.01
14	0.04	0.04	0.04	0.09	0.07	0.06	0.09	0.04	0.04	0.03	0.02	0.01
15	0.04	0.04	0.04	0.09	0.07	0.06	0.09	0.04	0.04	0.03	0.02	0.01
16	0.04	0.04	0.04	0.09	0.07	0.06	0.08	V 0.04	V 0.04	V 0.03	V 0.02	V 0.01
17	0.04	0.04	0.04	0.09	0.07	0.06	0.08	0.04	0.04	0.03	0.02	0.01
18	0.04	0.04	0.04	0.09	0.06	0.06	0.08	0.04	0.04	0.03	0.02	0.01
19	0.04	0.04	0.04	0.09	0.06	0.05	0.08	0.04	0.04	0.03	0.02	0.01
20	0.04	0.04	0.04	0.09	0.06	0.05	0.08	0.04	0.03	0.03	0.02	0.01
21	0.04	0.04	1.7	0.1	0.06	0.05	0.08	0.04	0.03	0.03	0.02	0.01
22	0.04	0.04	7.8	0.1	0.06	0.05	0.08	0.04	0.03	0.03	0.02	0.02
23	0.04	0.04	13	0.1	0.06	0.05	0.08	0.04	0.03	0.03	0.02	0.02
24	0.04	0.04	2.2	0.1	0.06	0.05	0.07	0.04	0.03	0.03	0.02	0.02
25	0.04	0.04	1.7	0.1	0.06	0.04	0.07	0.04	0.03	0.03	0.02	0.02
26	0.04	0.04	0.7	0.09	0.06	0.04	0.07	0.04	0.03	0.03	0.02	0.02
27	0.04	0.04	0.3	0.09	0.06	0.04	0.07	0.04	0.03	0.03	0.02	0.02
28	0.04	0.04	0.2	0.09	0.06	0.04	0.07	0.04	0.03	0.03	0.02	0.02
29	0.04	0.04	0.2	0.09		0.04	0.06	0.04	0.03	0.03	0.02	0.02
30	0.04	0.04	0.2	0.09		6.9	V 0.06	0.04	V 0.03	0.03	0.02	V 0.02
31	0.04		0.2	0.09		4.6		V 0.04		V 0.03	V 0.02	
	1.05	1.20	29.0	3.11	2.57	13.09	5.48	1.41	1.09	0.93	0.70	0.51
MEAN	0.03	0.04	0.94	0.10	0.09	0.42	0.18	0.05	0.04	0.03	0.02	0.02
ACRE-FEET	2.1	2.4	58.	6.2	5.1	26.	11.	2.8	2.2	1.8	1.4	1.0

Remarks:

YEAR MEAN 0.16
OR
PERIOD ACRE-FEET 120.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

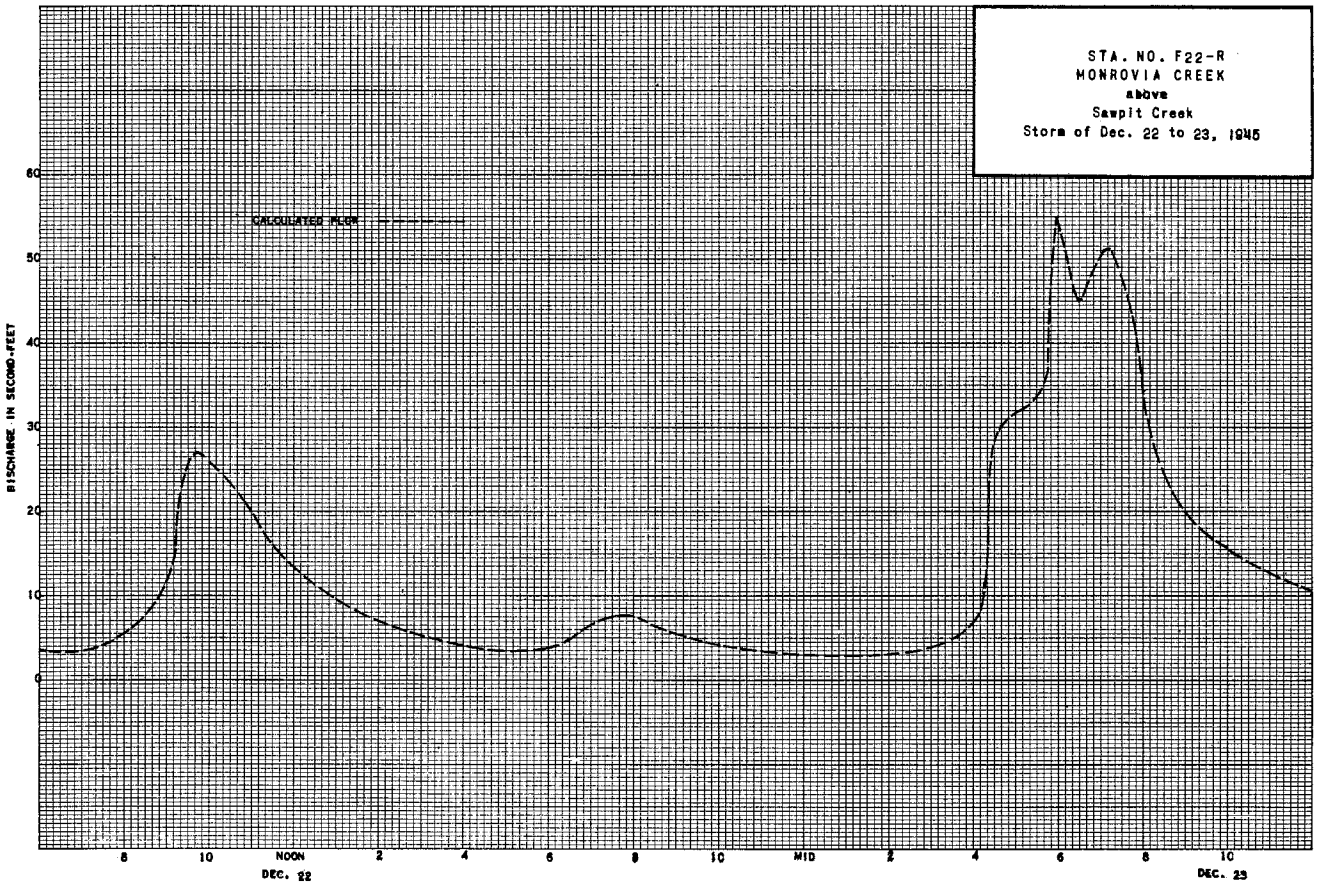
Sta. No. F 22-R

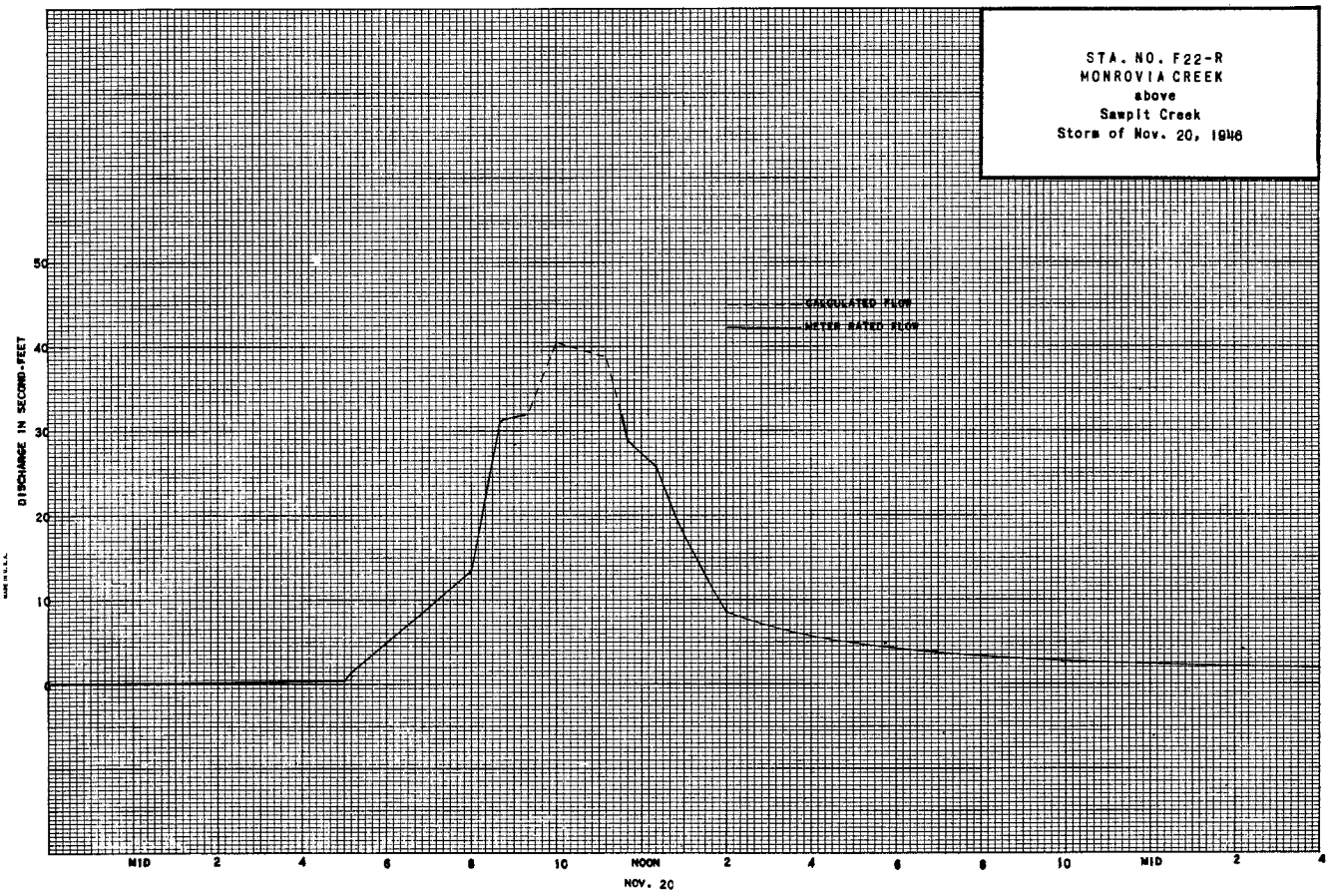
Daily discharge, in second-feet of MONROVIA CREEK above Sawpit Creek for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.05	0.04	0.1	0.3	0.08	0.04	0.03	0.03	0.05	0.03	0.02	0.02
2	0.05	0.04	0.09	0.2	0.08	0.04	0.03	0.03	0.06	0.03	0.02	0.02
3	0.05	0.04	0.08	0.09	0.08	0.04	0.04	0.03	0.06	0.03	0.02	0.02
4	0.05	0.04	0.08	0.08	0.08	0.04	0.04	0.03	0.06	0.03	0.02	0.02
5	0.05	0.04	0.08	0.07	0.08	0.04	0.04	0.03	0.06	0.02	0.02	0.02
6	0.05	0.04	0.08	0.07	0.08	0.04	0.04	0.03	0.06	0.02	0.02	0.02
7	0.05	0.04	0.08	0.07	0.08	0.04	0.04	0.03	0.05	0.02	0.02	0.02
8	0.05	0.04	0.08	0.06	0.07	0.04	0.04	0.03	0.05	0.02	0.02	0.02
9	0.05	0.04	0.08	0.06	0.07	0.04	0.04	0.03	0.04	0.02	0.02	0.02
10	0.05	0.04	0.08	0.06	0.06	0.04	0.04	0.03	0.04	0.02	0.02	0.02
11	0.05	0.04	0.08	0.07	0.06	0.04	0.04	0.03	0.04	0.02	0.02	0.02
12	0.05	0.09	0.08	0.07	0.05	0.04	0.04	0.03	0.04	0.02	0.02	0.02
13	0.04	2.7	0.08	0.08	0.05	0.04	0.04	0.03	0.04	0.02	0.02	0.02
14	0.04	1.0	0.08	0.08	0.04	0.04	0.03	0.03	0.04	0.03	0.02	0.02
15	0.04	0.2	0.08	0.09	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03
16	0.04	0.1	0.08	0.09	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03
17	0.04	0.09	0.08	0.09	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03
18	0.04	0.09	0.08	0.09	0.04	0.04	0.03	0.03	0.03	0.03	0.02	0.03
19	0.04	0.09	0.07	0.08	0.04	0.04	0.03	0.04	0.03	0.03	0.02	0.03
20	0.04	9.9	0.06	0.08	0.04	0.04	0.03	0.04	0.03	0.03	0.02	0.03
21	0.04	1.5	0.06	0.08	0.04	0.04	0.03	0.04	0.03	0.03	0.02	0.02
22	0.04	0.5	0.06	0.08	0.04	0.04	0.03	0.04	0.03	0.03	0.02	0.02
23	0.04	1.5	0.06	0.08	0.04	0.04	0.03	0.04	0.04	0.03	0.02	0.02
24	0.04	1.2	0.07	0.08	0.04	0.03	0.03	0.04	0.04	0.03	0.02	0.02
25	0.04	0.5	1.6	0.08	0.04	0.03	0.03	0.04	0.04	0.03	0.02	0.02
26	0.04	0.3	3.9	0.08	0.04	0.03	0.03	0.05	0.04	0.03	0.02	0.02
27	0.04	0.2	2.9	0.08	0.04	0.03	0.03	0.05	0.04	0.02	0.02	0.02
28	0.04	0.2	1.7	0.08	0.04	0.03	0.03	0.05	0.03	0.02	0.02	0.02
29	0.04	0.1	1.2	0.08		0.03	0.03	0.05	0.03	0.02	0.02	0.02
30	0.04	0.1	0.7	0.08		0.03	0.03	0.05	0.03	0.02	0.02	0.02
31	0.04		0.5	0.08		0.03		0.05		0.02	0.02	
	1.36	20.8	14.55	2.76	1.52	1.16	1.01	1.12	1.22	0.79	0.62	0.66
MEAN	0.044	0.693	0.467	0.089	0.054	0.037	0.034	0.036	0.04	0.025	0.02	0.02
ACRE-FEET	2.7	41	29	5.5	3.0	2.3	2.0	2.2	2.4	1.6	1.2	1.3

Remarks:

YEAR MEAN 0.13
OR
PERIOD ACRE-FEET 94.2


STA. NO. F22-R
MONROVIA CREEK
above
Sawpit Creek
Storm of Dec. 22 to 23, 1945
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
0
10
20
30
40
50
60
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
DEC. 22
DEC. 23


STA. NO. F22-R
MONROVIA CREEK
above
Sawpit Creek
Storm of Nov. 20, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
0
10
20
30
40
50
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
NOV. 20

STATION F195-R
MONROVIA STORM DRAIN at Peck Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'27", LONG. 118°00'13". ON THE LEFT (EAST) WING WALL OF APPROACH TO CONCRETE OUTLET CHANNEL OF MONROVIA STORM DRAIN INTO PECK ROAD AND ABOUT 1 MILE SOUTH OF MONROVIA. ELEVATION OF GAGE ABOUT 387 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 374 SECOND-FEET, DECEMBER 22
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 288 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW MOST OF YEAR.

1932-1947
MAXIMUM 1,200 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN

AT ~~NEAR~~ Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
16	3/19	405P / 413P	MOON	21.0	6.49	4.28	1.08	27.8		.6	8	-.06	FC22

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN

AT ~~NEAR~~ Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
17	10-1	902A / 906A	MOON	TWO CHANNELS			1.10	28.9		.5 / .6	5	-.01	FC22

F. C. Dist. Form 52 4-46

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, 1946

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	1.5	0	0	0	0	0
3	0	0	0	0	18	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	0.5	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	0.1	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	0.6	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	6.8	0	0	0	0	0	0
20	0	0	0	0	0	1.2	0	0	0	0	0	0
21	0	0	29	0	0	0.6	0	0	0	0	0	0
22	0	0	55	0	0	0	0	0	0	0	0	0
23	0	0	25	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	+	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	2.8	0	0	0	0	0	0
29	0.4	0	0	0		0.3	0	0	0	0	0	0
30	0.3	0	0	0		21	0	0	0	0	0	0
31	0		0	0		0.4		0		0	0	
	12	0	1091	0	18	337	1.5	0	0	0	0	0
MEAN	0.04	0	3.52	0	0.64	1.09	0.05	0	0	0	0	0
ACRE-FEET	2.4	0	216.	0	36.	67.	3.0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 324.

F. C. Dist. Form 91 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

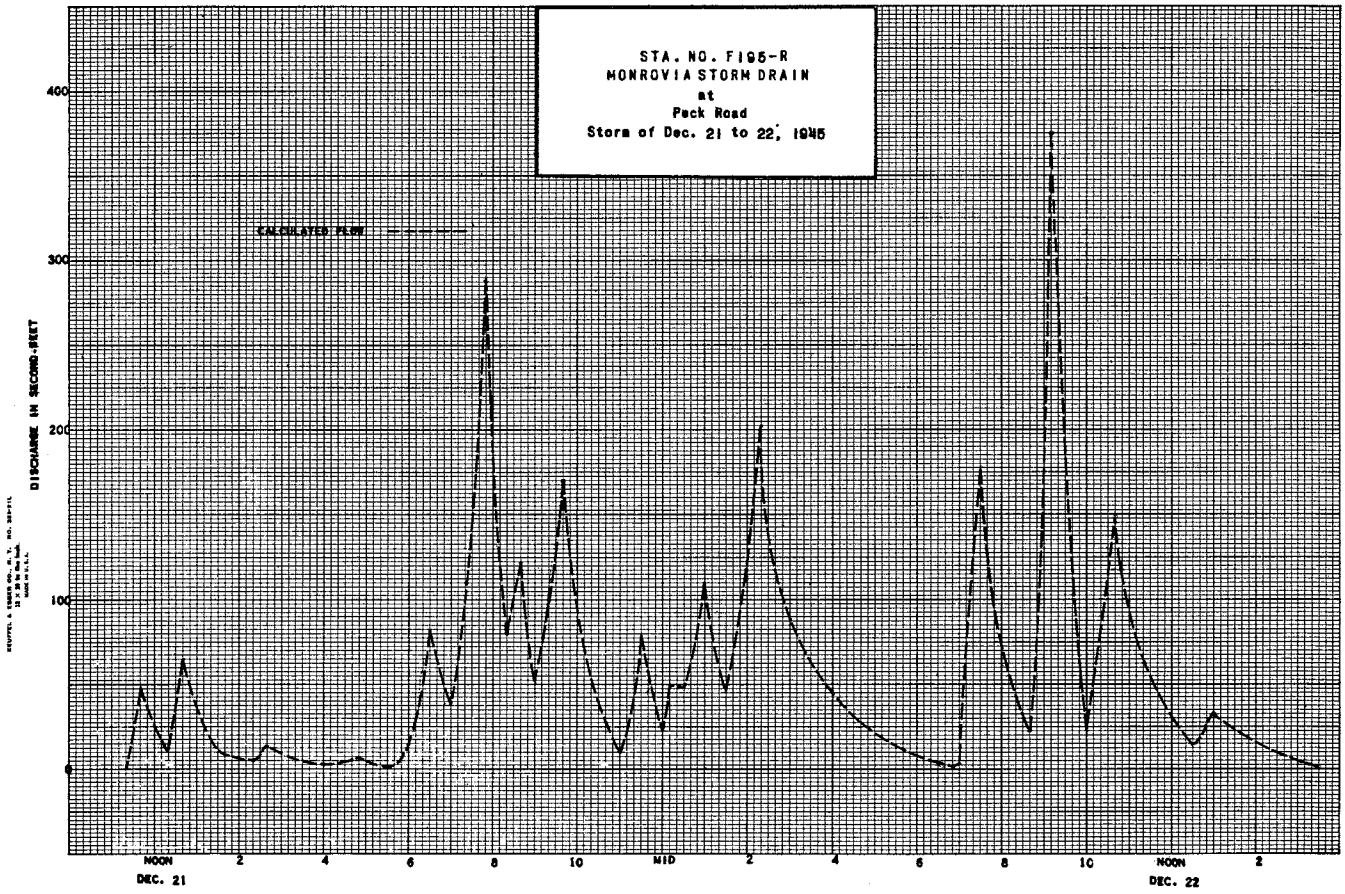
Sta. No. F 195-R

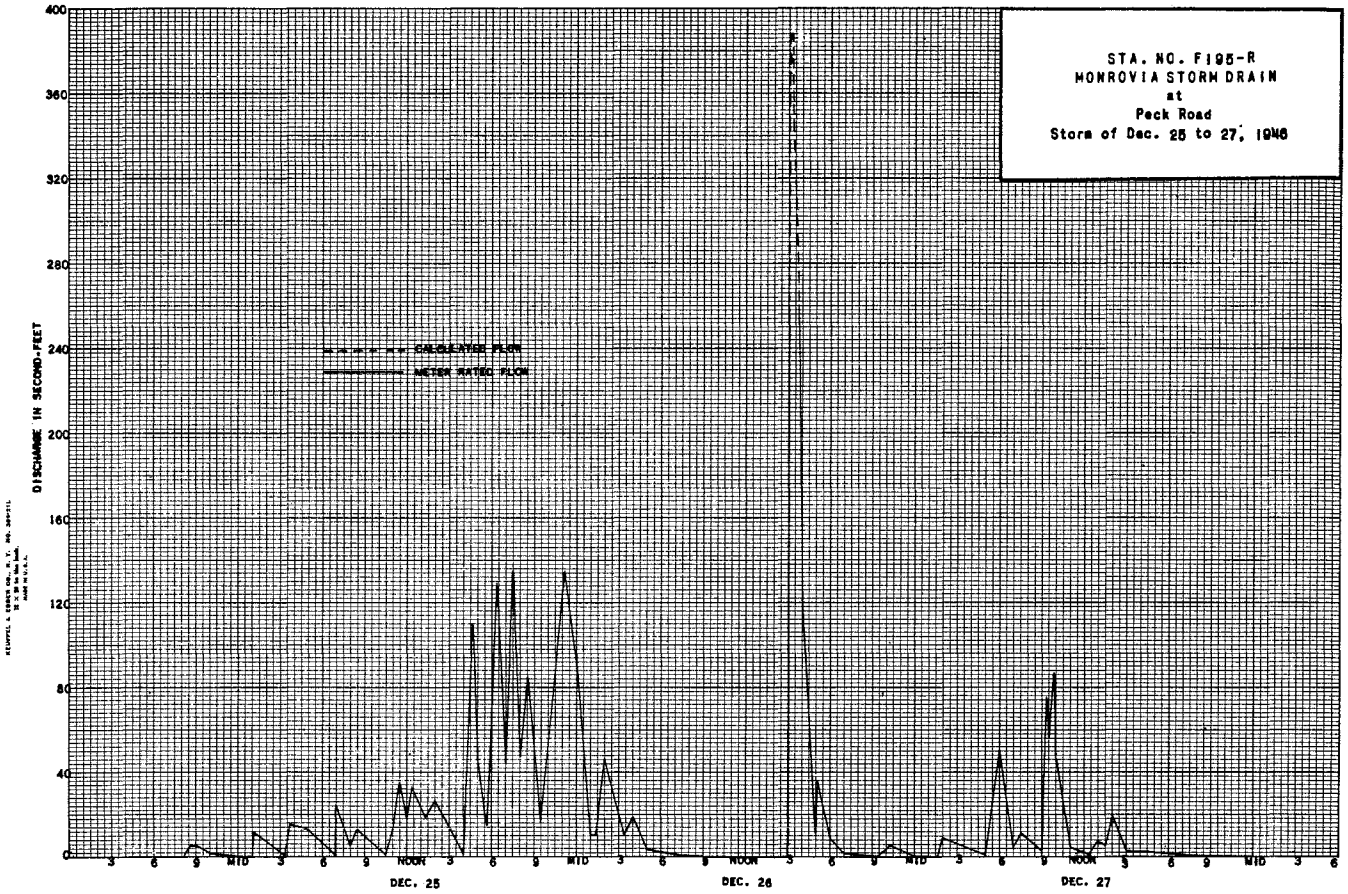
Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	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	1.3	0	0	0	0	0	0
6	0	0	0.6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	3.4	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	2.8	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	3.0	0	0	0	0	0	0	0	0	0	0
12	0	25	0	0	0	0	0	0	0	0	0	0
13	0	14	0	0	0	0	0	0	0	0	0	0
14	0	5.1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0.4	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	23	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0.3	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	14	0	0	0	0	0	0	0	0	0	0
24	0	0	0.4	0	0	0	0	0	0	0	0	0
25	0	0	3.2	0	0	0	0	0	0	0	0	0
26	0	0	22	0	0	0	0	0	0	0	0	0
27	0.3	0	8.6	0	0	0	0	0	0	0	0	0
28	0	0	0	3.1	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	3.5	87.5	63.6	3.1	2.8	1.3	0.3	0	0	0	0	0
MEAN	0.113	2.92	2.05	0.100	0.100	0.042	0.01	0	0	0	0	0
ACRE-FEET	6.9	174	126	6.1	5.6	2.6	0.6	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.44
ACRE-FEET 322





STATION F181-R
MONTEBELLO STORM DRAIN above Rio HONDO

LOCATION: WATER-STAGE RECORDER, LAT. 33°59'59", LONG. 118°06'17", ON THE RIGHT (SOUTH) WING WALL OF THE STORM DRAIN OUTLET, 200 FEET EAST OF THE EAST END OF MINES AVENUE AND 220 FEET WEST OF WEST BANK OF THE RIO HONDO NEAR MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT, 161.97 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE APRON WITH WING WALLS BELOW A 14 FT. X 10 FT. CONCRETE-COVERED DRAIN. A DROP OFF EXISTS JUST BELOW THE STATION. ON APRIL 11, 1935 A DIVERSION WALL 4 INCHES HIGH WAS BUILT ACROSS THE DRAIN 20 FEET ABOVE THE STATION. THE STAGE - DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET. HIGH FLOWS MEASURED FROM HEAD WALL AT END OF COVERED SECTION.

RECORDER: INSTALLED JANUARY 21, 1932 OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE PRIOR TO APRIL 11, 1935. SUBSEQUENT TO APRIL 11, 1935, A GATED TWELVE INCH PIPE DIVERTS THE SUMMER FLOW FROM A POINT 20 FEET ABOVE THE STATION TO THE RIO HONDO. NO DIVERSIONS DURING THE WINTER MONTHS.

RECORDS AVAILABLE: JANUARY 12, 1932 TO SEPTEMBER 30, 1945.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 384 SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW AT VARIOUS TIMES.

1946-1947
MAXIMUM 1,240 SECOND FEET, NOVEMBER 13.
MINIMUM NO FLOW AT VARIOUS TIMES.

1931-1947
MAXIMUM 1,400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR. LOW FLOWSUSUALLY ESTIMATED DUE TO COMMUNICATION BEING OBSTRUCTED BY SAND.

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

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN

~~AT~~ NEAR above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
153X	10/11	815A	BONADIMAN				0.12	0.10					
154	2/3	200P 212P	"	14.0	19.7	7.82	1.55	154.		6	7	0	FC19
155	3/20	205P 211P	BONADIMAN-KASIMOFF	14.0	8.53	5.98	0.75	51.0		6	4	0	"
156	3/28	815A 825A	BONADIMAN	14.0	9.92	6.49	0.82	64.4		6	6	0	"
157	3/30	601A 611A	"	14.0	15.0	7.40	1.20	111.		6	6	-.10	"

DISCHARGE MEASUREMENTS OF MONTEBELLO STORM DRAIN

~~AT~~ NEAR above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
158	11-12	925A 935A	BONADIMAN - LANG	14.0	7.10	5.61	0.67	39.8		6	6	-.02	FC19
159	11-12	355P 400P	" "	14.0	37.5	10.9	2.58	407.	SURF	6	6	+.04	"
160	11-12	406P 416P	" "	14.0	33.8	10.1	2.42	342.		6	6	-.15	"
161	11-23	845A 855A	" "	14.0	25.7	8.95	1.90	230.		6	6	+.22	"
162	11-23	900A 910A	" "	14.0	25.1	9.97	2.00	250.		6	6	+.08	"
163	12-25	730A 745A	BONADIMAN	14.0	8.95	5.54	0.73	49.6		6	7	+.02	"
164	3-5	800A 815A	WADDICOR	14.0	8.18	4.11	0.54	33.6		6	7	+.06	FC37

F. C. Dist. Form 52 4-45

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.7	0.3	b 0.1	b 0.3	b 0.1	1.3	b 0.3	0	e	0	0
2	0.1	b 0.3	0.3	b 0.1	b 0.3	0.1	8.9	0.3	0	e	0	0
3	0.5	0.3	0.3	0.7	24	0.1	b 0.3	0.1	0	e	0	0
4	0.7	0.3	0.7	b 0.1	0.9	0.1	0.3	0.1	0	e	0	0
5	0.7	b 0.3	1.1	0.1	b 0.3	0.1	0.3	0.1	0	e	0	0
6	0.7	1.4	0.3	0.3	0.1	0.1	0.3	0.1	0	0	0	0
7	0.5	0.9	0.1	0.3	0.1	0.1	0.3	0.1	0	0	0	0
8	0.5	b 0.3	0.1	0.3	0.1	0.1	0.3	0.1	0	0	0	0
9	0.7	b 0.3	0.1	0.3	0.1	0.1	0.3	0.1	0	0	0	0
10	0.5	b 0.3	0.1	0.3	0.1	0.1	0.3	0.1	0	0	0	0
11	0.5	0.5	0.1	0.3	0.1	0.1	0.3	0.1	0	0	0	0
12	0.5	b 0.3	0	0.3	0.1	b 0.1	0.3	0.1	0	0	0	0
13	0.5	0.3	0	0.3	0.1	3.2	0.3	0	0	0	0	0
14	0.3	0.3	0	0.3	0.1	0.7	0.3	b 0	0	0	0	0
15	0.3	0.3	0	0.3	0.3	b 0.1	0.3	0	0	0	0	0
16	0.5	0.3	0	0.3	0.3	0.1	0.3	0	0	0	0	0
17	0.7	0.3	0	0.3	0.1	0.1	0.3	0	0	0	0	0
18	0.5	0.3	0	0.3	0.1	b 0.1	0.3	0	0	0	0	0
19	0.5	0.3	0	0.3	0.1	19	0.3	0	0	0	0	0
20	0.3	0.3	0	0.3	0.1	18	0.3	0	0	0	0	0
21	0.9	0.3	35	0.3	0.1	0.7	0.3	0	0	0	0	0
22	b 0.3	0.3	92	0.3	0.1	b 0.3	0.3	0	0	0	0	0
23	0.3	0.3	42	0.3	0.1	0.3	0.3	0	0	0	0	0
24	0.3	0.3	2.8	0.3	0.1	0.3	0.3	0	0	0	0	0
25	0.3	0.3	3.2	0.3	0.1	0.3	0.3	0	0	0	0	0
26	0.3	0.3	1.1	0.3	0.1	0.3	0.3	0	0	0	0	0
27	0.3	0.3	0.7	0.3	0.1	b 0.3	0.3	0	0	0	0	0
28	b 0.3	b 0.3	b 0.3	0.3	b 0.1	18	0.3	0	0	0	0	0
29	4.7	1.9	0.3	0.3		18	0.3	0	0	0	0	0
30	3.8	0.9	b 0.1	0.3		76	b 0.3	0	0	0	0	0
31	0.5		b 0.1	b 0.3		4.6		0		0	0	
	21.6	13.5	161.1	8.9	28.5	161.6	18.6	1.6	0	0	0	0
MEAN	0.70	0.45	5.84	0.29	1.02	5.21	0.62	0.05	0	0	0	0
ACRE-FEET	43.	27.	359.	18.	57.	321.	37.	3.2	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.19 ACRE-FEET 865.

F. C. Dist. Form 52 4-45

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

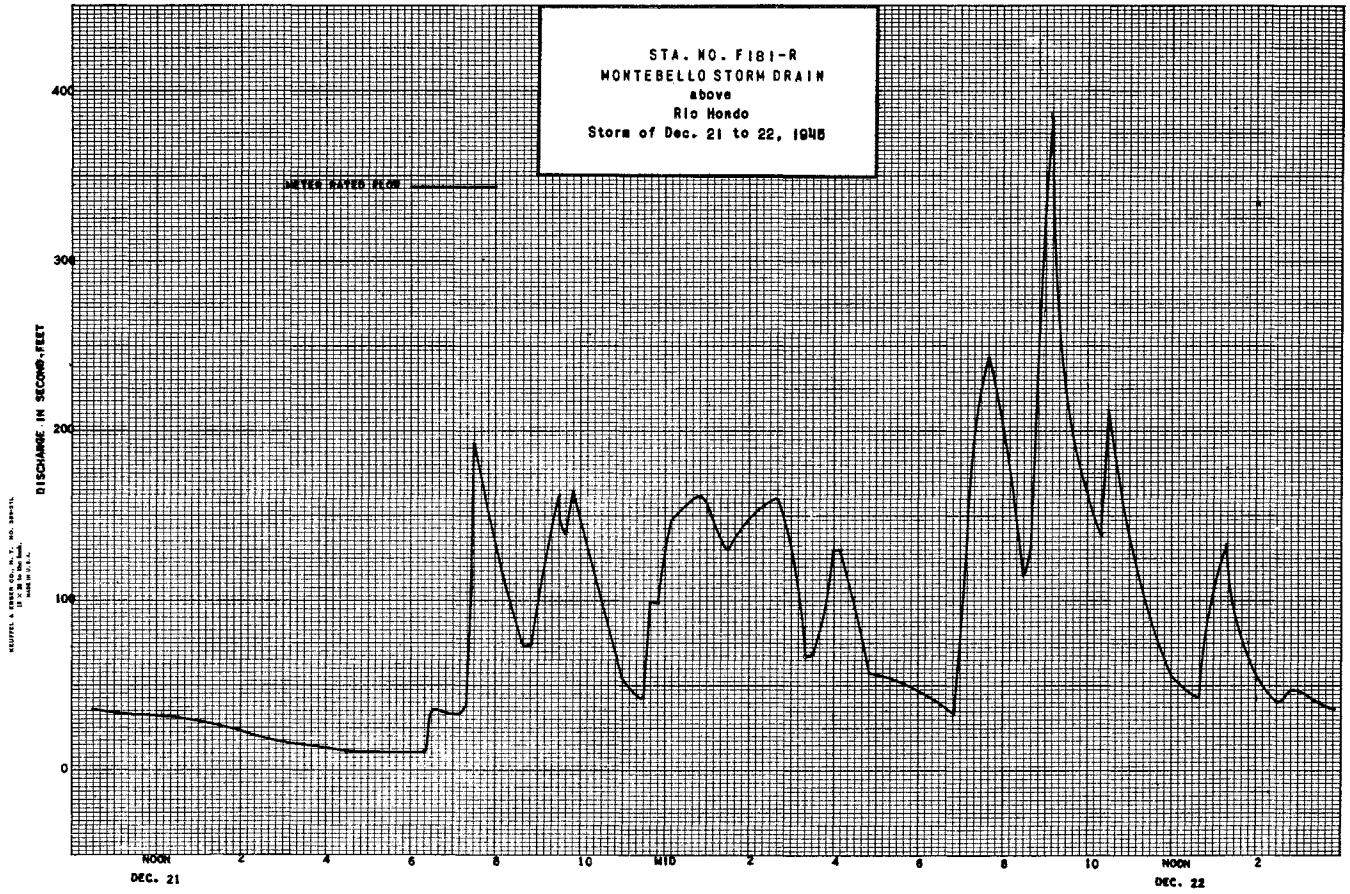
Sta. No. F 181-R

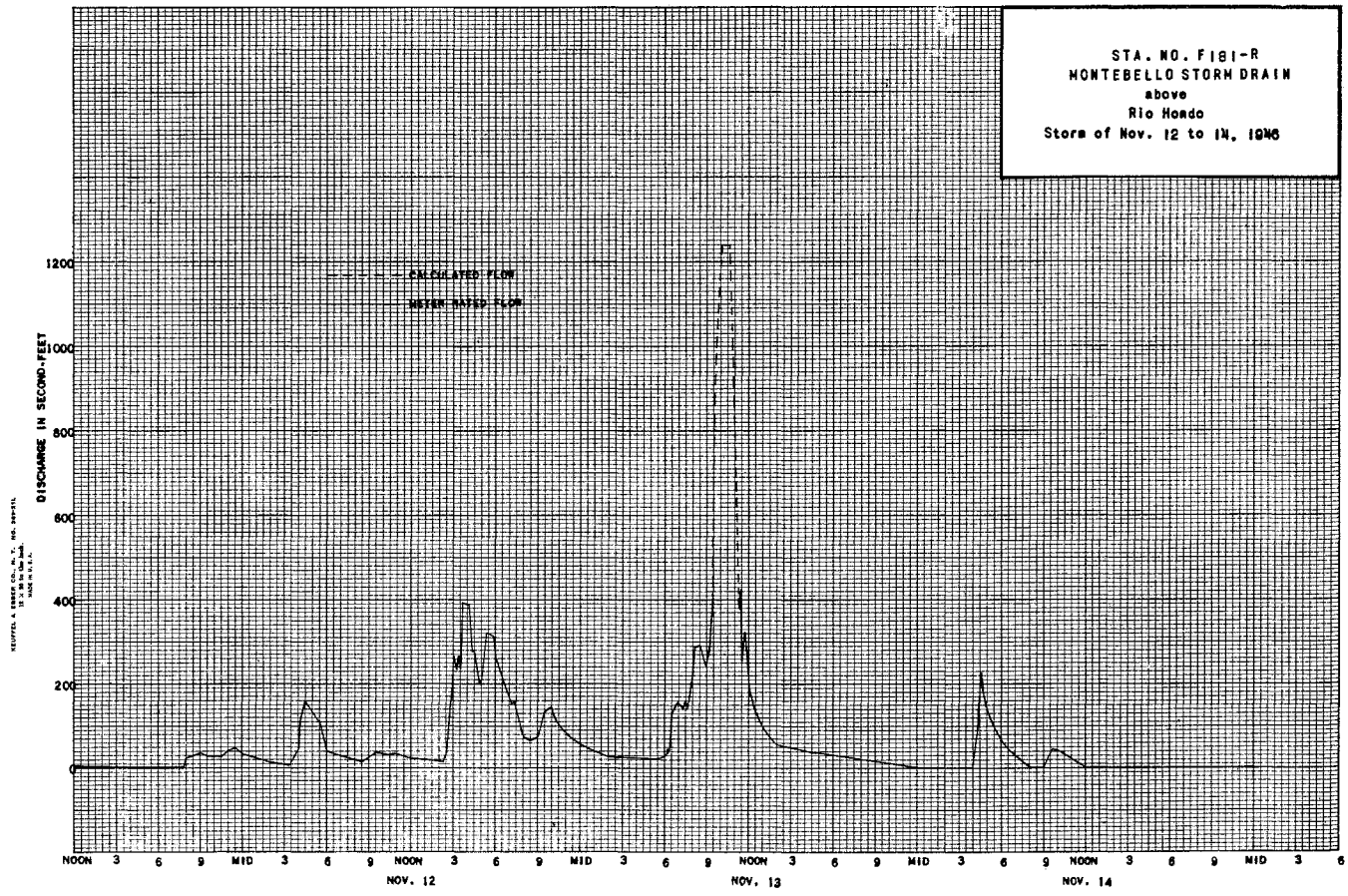
Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.1	0.5	0.1	0.3	0.1	0.1	0.7	0.1	a 0.1	a 0.1	a 0.1	a 0.1
2	1.3	0.5	0.1	0.1	0.1	0.1	0.4	0.1	0.1	0.1	0.1	0.1
3	1.1	0.5	0.1	0.1	0.1	0.9	1.1	0.1	0.1	0.1	0.1	0.1
4	1.1	0.5	0.1	0.1	0.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1
5	1.1	0.5	0.1	0.1	0.1	7.0	0.1	0.1	0.1	0.1	0.1	0.1
6	0.9	0.5	6.8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7	0.9	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8	1.1	1.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	a 0.1	a 0.1
9	1.1	1.1	0.1	0.3	19.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
10	1.1	1.1	0.1	0.1	1.7	0.1	0.1	7.9	0.1	0.1	0.1	0.7
11	1.1	7.9	0.1	0.3	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.5
12	0.9	9.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
13	1.1	14.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
14	1.1	16.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
15	0.9	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
16	3.7	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
17	1.3	0.1	0.1	0.1	1.8	0.1	0.1	0.1	0.1	0.1	0.1	1.7
18	1.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.3
19	1.1	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20	1.1	5.0	0.1	0.5	0.1	1.4	0.1	0.1	0.1	0.1	0.1	0.1
21	1.1	1.7	0.1	0.1	0.7	0.6	0.1	0.1	0.1	0.1	0.1	0.1
22	1.1	0.7	0.1	0.1	0.1	0.1	0.5	a 0.1	0.1	0.1	0.1	0.1
23	1.3	5.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24	1.3	1.7	3.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
25	1.1	0.5	8.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
26	1.1	0.1	3.9	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
27	3.2	0.1	2.6	0.1	0.3	1.4	0.1	0.1	0.1	0.1	0.1	0.3
28	0.7	0.1	1.3	11.0	0.1	3.7	0.1	0.1	0.1	0.1	0.1	0.5
29	0.5	0.1	0.9	0.3		0.1	0.1	0.1	0.1	0.1	0.1	0.3
30	a 0.5	0.1	0.3	0.1		0.1	0.1	0.1	a 0.1	0.1	0.1	0.3
31	a 0.5		0.1	0.1		0.1		a 0.1		a 0.1	a 0.1	
	42.6	377.7	163.7	15.4	26.4	18.1	5.3	10.9	3.0	3.1	3.1	10.0
MEAN	1.37	12.6	5.28	0.50	0.94	0.58	0.18	0.35	0.10	0.10	0.10	0.33
ACRE-FEET	84	749	325	31	52	36	11	22	6.0	6.1	6.1	20

Remarks:

YEAR OR PERIOD MEAN 1.86 ACRE-FEET 1,350


STA. NO. F181-R
MONTEBELLO STORM DRAIN
above
Rio Hondo
Storm of Dec. 21 to 22, 1945
METER RATED FLOW
DISCHARGE IN SECOND-FEET
400
300
200
100
0
NOON
DEC. 21
2
4
6
8
10
MID
2
4
6
8
10
NOON
DEC. 22
2


STA. NO. F181-R
MONTEBELLO STORM DRAIN
above
Rio Hondo
Storm of Nov. 12 to 14, 1945
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
1200
1000
800
600
400
200
0
NOON
3
6
9
MID
3
6
9
NOON
NOV. 12
3
6
9
MID
3
6
9
NOON
NOV. 13
3
6
9
MID
3
6
9
NOON
NOV. 14
3
6
9
MID
3
6

STATION F118B-R
PACOIMA CREEK below Pacoima Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°20'07", LONG. 118°23'50", 4 MILES NORTHEAST OF SAN FERNANDO, AND ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM; FORMER STATION F118-R WAS APPROXIMATELY 450 FEET DOWNSTREAM. FORMER STATION U13-R WAS APPROXIMATELY 0.5 MILE DOWNSTREAM. ELEVATION OF GAGE, ABOUT 1,650 FEET.

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME. CONTROL - A 10 FOOT SAN DIMAS TYPE RUBBLE AND CONCRETE FLUME. A 90 V-NOTCH WEIR CAN BE DROPPED TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: INSTALLED AT STATION F118-R ON MARCH 24, 1933; REMOVED FEBRUARY 1, 1935. INSTALLED AT STATION F118B-R ON FEBRUARY 9, 1935; REMOVED APRIL 28, 1937. REINSTALLED JUNE 25, 1937. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: REGULATED BY PACOIMA DAM. STATIONS F118-R AND F118B-R DO NOT INCLUDE SPILLWAY DISCHARGE. 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, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 241 SECOND-FEET, FEBRUARY 5.
MINIMUM NO FLOW AT VARIOUS TIMES.
1946-1947
MAXIMUM 237 SECOND-FEET, JANUARY 7.
MINIMUM NO FLOW AT VARIOUS TIMES.
1916-1929 (STATION U13-R)
MAXIMUM 1,860 SECOND-FEET, FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-1946 (STATIONS F118-R, F118B-R, AND PARSHALL FLUME AND DAM RECORDS)
MAXIMUM 685 SECOND FEET, MARCH 2, 1938.
MAXIMUM 2,060 SECOND FEET, MARCH 3, 1938 INCLUDING SPILLWAY DISCHARGE.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR FOR HIGH FLOWS DUE TO POOR APPROACH CONDITIONS. GOOD FOR LOW FLOWS MEASURED BY V-NOTCH WEIR.

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

~~NEAR~~ below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
219	10/18	205P	210P	TURNER	1.5	0.17	1.70		0.29		.5	3		FC43
220	10/25	905A	"	"				0.52	0.5		V WEIR			
221	12/12	403P	408P	DEVORE	3.4	0.26	1.27		0.33		FLOAT	6		FLOAT
222	1/30	154P	200P	"	2.7	0.24	0.50		0.12		FLOAT	3		"
223	2/5	1247P	107P	DEVORE - WHISLER	10.0	21.9	11.00	2.28	241.		SURF VEL	10	0.02	FC42
224	2/5	236P	253P	" "	10.0	15.0	9.08	1.65	137.		.6	10	0	FC42
225	3/20	1006A	1014A	DEVORE	1.4	0.27	0.67		0.18		FLOAT	5		FLOATS
226	4/24	907A		WADDICOR				0.40	0.26		V WEIR			
227	5/1	1050A		"				0.43	0.31		"			
228	5/8	1035A		"				1.76	10.2		"			
229	5/15	1015A		"				1.72	9.62		"			
230	7/25	825A		LUCE				1.58	7.8		"			
231	8/5	1055A		TURNER				1.62	8.3		"			
232	9/12	900A		LUCE				1.58	7.8		"			
233	9/19	915A		"				1.24	4.3		"			
234	9/26	350P	410P	TURNER	9.9	7.04	0.61	1.23	4.3		.6& FLOATS	10	0	FC43

DISCHARGE MEASUREMENTS OF PACOIMA CREEK FLUME

~~NEAR~~ below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
235	10-20	450P	505P	TURNER - MOORE	9.9	7.36	7.61		56.		.6	7		FC43
236	10-20	900P	915P	" "	9.9	14.5	9.31		135.		.6	6		"
237	10-21	945A	1000A	TURNER - WHISLER	9.9	14.1	9.08		128.		.6	6		"
238	10-21	1245P	100P	" "	9.9	16.1	9.50		153.		.6	6		"
239	10-22	827A	845A	TURNER	9.9	16.2	9.07		147.		.6	6		"
240	10-22	925A	940A	TURNER - MOORE	9.9	16.4	9.03		148.		.6	10		"
241	10-24	930A	950A	" "	9.9	17.6	9.32		164.		.6	10		"
242	12-18	835A	900A	TURNER	9.9	20.9	9.86		206.		.6	10		"
243	12-18	935A	945A	TURNER - MOORE	9.9	16.3	9.20		150.		.6	10		"
244	1-7	355P	405P	BLAKELY - MOORE	9.9	22.3	10.2		228.		.6	12		FC35
245	1-8	935A	945A	TURNER - LUCE	9.9	21.4	9.91		212.		.6	10		FC43
246	1-8	1115A	1129A	TURNER - LUCE	9.9	22.7	10.0		227.		.6	10		"
247	1-8	155P	213P	" "	9.9	22.6	10.3		232.		.6	10		"
248	1-9	500P	510P	TURNER - MOORE	9.9	18.8	10.0		188.		.6	10		"
249	3-13	1215P		STUNDEN					6.9		V NOTCH WEIR			
250	6-5	1150P	1155A	TURNER	4.5	0.93	0.86		0.80		SURF	5		FC43
251	6-12	230P	235P	STUNDEN	3.5	0.63	1.35		0.85		.5	4		FC36
252	6-19	205P	210P	STUNDEN	2.5	0.47	1.00		0.47		.5	5		"
253	6-25	335P	340P	"	2.0	0.64	1.34		0.86		.5	4		"
254	7-17	600P	605P	TURNER	1.5	0.33	1.12		0.37		.5	3		PC43
255	8-28	535P	540P	"	2.5	0.28	1.50		0.42		.5	4		"
256	9-11	1130A	1135A	"	2.4	0.36	1.11		0.40		.5	5		"
257	9-23	245P	250P	"	2.2	0.29	0.86		0.25		.5	4		"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-R

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.5	b	b 0.1	b 0.1	b +	b 0.1	0.3	11.4	4.6	8.2	7.9
2	0.1	0.5	+	0.1	b 0.1	+	0.1	0.3	10.9	4.6	8.7	7.8
3	0.1	0.5	+	0.1	b 0.1	+	0.1	0.3	10.6	4.6	8.2	7.8
4	0.1	0.5	+	0.1	b 0.1	+	0.1	0.2	10.5	4.6	8.4	7.8
5	0.0	0.5	+	0.1	1.37	+	0.1	0.2	10.5	4.5	8.3	7.8
6	0.2	0.5	+	0.1	1.30	0.1	0.1	7.2	10.5	4.5	8.3	7.9
7	0.3	0.4	+	0.1	0.41	0.1	0.1	10.3	10.5	4.5	8.3	7.8
8	0.4	0.4	+	0.1	b +	0.1	0.1	9.6	10.5	4.5	8.0	7.8
9	0.4	0.4	+	0.1	+	0.1	0.1	8.6	10.5	4.5	5.5	7.8
10	0.4	0.4	+	0.1	+	0.1	0.1	8.8	10.5	4.5	6.8	7.8
11	0.4	0.5	+	0.1	+	0.1	0.2	9.2	4.6	4.5	7.9	7.8
12	0.5	0.5	+	0.1	+	0.1	0.2	9.5	2.2	4.4	7.9	7.8
13	0.5	0.4	+	0.1	+	0.1	0.2	9.6	4.9	4.4	7.9	7.7
14	0.5	0.4	+	0.1	+	0.1	0.2	9.5	4.9	4.4	7.9	7.8
15	0.5	0.4	+	0.1	+	0.1	0.2	9.5	4.9	4.4	7.9	7.8
16	0.5	0.2	+	0.1	+	0.1	0.2	9.5	4.8	4.4	7.9	7.8
17	0.5	+	+	0.1	+	0.1	0.2	9.5	4.8	4.4	7.9	5.8
18	0.5	+	+	0.1	+	0.1	0.2	9.5	4.8	4.4	7.9	4.3
19 f	0.5	+	+	0.1	+	0.1	0.2	9.5	4.8	4.4	7.9	4.3
20	0.5	+	+	0.1	+	0.1	0.2	9.4	4.8	4.4	7.9	4.3
21	0.5	+	+	0.1	+	0.1	0.2	9.4	4.8	4.4	8.0	4.3
22	0.5	+	+	0.1	+	0.1	b 0.2	10.3	4.7	4.4	8.2	4.3
23	0.5	b +	b +	0.1	+	0.1	0.3	10.3	4.7	7.4	8.0	4.3
24	0.5	+	1.25	0.1	+	0.1	0.3	10.3	4.7	8.6	8.0	4.3
25	0.5	+	2.95	0.1	+	0.1	0.3	10.5	4.7	9.8	7.9	4.3
26	0.5	+	1.51	0.1	+	0.1	0.3	10.5	4.1	9.2	7.9	4.3
27	0.5	+	b +	0.1	+	0.1	0.3	10.3	4.6	11.2	7.9	4.3
28	0.5	+	+	0.1	+	0.1	0.3	9.9	4.6	11.2	7.8	4.3
29	0.6	+	+	0.1	b +	0.1	0.3	9.6	4.6	9.8	7.9	4.3
30	0.6	b +	+	0.1		0.1	0.3	10.7	4.6	10.4	7.9	4.3
31	0.5		b +	b 0.1		b 0.1		11.2		8.4	7.9	
	12.8	7.0	57.1	3.1	308.4	2.6	5.8	253.5	198.0	164.3	245.1	186.6
MEAN	0.41	0.23	1.84	0.10	11.0	0.08	0.19	8.18	6.60	5.96	7.90	6.22
ACRE-FEET	25.	14.	113.	6.1	612.	5.2	11.5	503.	393.	366.	486.	370.

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

YEAR OR PERIOD MEAN 4.01
ACRE-FEET 2,900.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 118 B-R

Daily discharge, in second-feet of PACOIMA CREEK below Pacoima Dam for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.6	0	0	0	0	4.6	5.9	6.8	0	0.8	0.4	0.4
2	4.3	0	0	0	0	4.6	5.9	6.8	0.6	0.7	0.4	0.4
3	4.3	0	0	0	0	4.5	5.9	6.8	3.0	0.7	0.4	0.4
4	4.3	0	0	0	0	4.5	6.0	6.8	0.8	0.7	0.4	0.4
5	4.3	0	0	0	0	4.5	6.0	6.8	0.8	0.7	0.4	0.4
6	4.3	0	0	0.0	0	4.4	6.0	6.8	0.8	0.7	0.4	0.4
7	4.3	0	0	2.26	1.4	4.5	6.0	6.8	0.8	0.6	0.4	0.4
8	4.3	0	0	2.30	4.7	4.5	6.0	6.8	0.8	0.6	0.4	0.4
9	4.3	0	0	2.11	5.3	3.0	6.0	6.4	0.8	0.6	0.4	0.4
10	4.3	0	0	1.76	0	2.4	6.0	6.3	0.8	0.6	0.4	0.4
11	4.3	0	0	45	3.1	3.0	6.1	5.9	0.8	0.5	0.4	0.4
12	4.3	0	0	28	6.0	4.8	6.2	5.8	0.8	0.5	0.4	0.4
13	4.3	0	0	15	5.9	7.0	6.4	5.7	0.8	0.5	0.4	0.4
14	4.3	0	0	0	5.9	6.9	6.4	6.6	0.8	0.5	0.4	0.4
15	4.3	0	0	0	6.0	7.0	6.4	6.3	0.8	0.4	0.4	0.4
16	4.3	0	4.0	0	6.0	7.1	3.8	6.1	0.8	0.4	0.4	0.4
17	4.3	0	48	0	6.0	7.1	6.6	5.4	0.8	0.4	0.4	0.3
18	4.3	0	1.72	0	3.6	7.2	6.6	5.5	0.8	0.4	0.4	0.4
19	4.3	0	1.54	0	4.9	7.2	6.8	5.8	0.8	0.4	0.4	0.3
20	3.2	0	1.32	0	6.4	7.1	6.8	5.7	0.8	0.4	0.4	0.3
21	1.38	0	0	0	6.3	7.1	6.8	5.5	0.8	0.4	0.4	0.3
22	1.49	0	0	0	6.1	7.1	6.8	4.9	0.8	0.4	0.4	0.3
23	1.55	0	0	0	6.1	7.1	6.8	3.6	0.8	0.4	0.4	0.2
24	1.63	0	0	0	5.4	6.4	6.9	0.8	0.8	0.4	0.4	0.3
25	1.25	0	0	0	4.6	5.7	6.8	0.8	0.9	0.4	0.4	0.3
26	0.5	0	0	0	4.6	5.9	6.8	1.4	0.9	0.4	0.4	0.3
27	0.4	0	0	0	4.6	5.9	6.8	1.8	0.9	0.4	0.4	0.3
28	0.4	0	0	1.4	4.6	6.0	6.8	1.6	0.8	0.4	0.4	0.4
29	0.4	0	0	2.8		6.0	6.8	2.9	0.8	0.4	0.4	0.4
30	0.3	0	0	0		6.0	6.6	1.3	0.8	0.4	0.4	0.4
31	0		0	0		6.0		0		0.4	0.4	
	846.0	0	510.0	995.2	107.5	175.1	189.7	150.5	25.5	15.5	12.4	10.9
MEAN	27.3	0	16.5	32.1	38.4	5.64	6.32	4.72	0.85	0.50	0.40	0.36
ACRE-FEET	1,680	0.0	1,010	1,970	213	347	376	299	51	31	25	22

Remarks:

YEAR OR PERIOD MEAN 8.32
ACRE-FEET 6,020

STATION F16-R
PACOIMA WASH at Parthenia Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°13'42", LONG. 118°27'32", ON THE DOWNSTREAM SIDE OF PARTHENIA STREET BRIDGE APPROXIMATELY 3 MILES NORTHWEST OF VAN NUYS. ELEVATION OF ZERO GAGE HEIGHT, 812.94 FEET.

DRAINAGE AREA: 50.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COMPOSED OF SAND AND GRAVEL. WEEDS AND BRUSH ALONG BANKS. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED DECEMBER 26, 1928. OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: TWO SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO THE PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 171 SECOND-FEET, DECEMBER 21.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 157 SECOND-FEET, NOVEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1929-1947
MAXIMUM 2,400 SECOND FEET, ESTIMATED MARCH 3, 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 PACOIMA WASH

AT ~~NEAR~~ Parthenia Street DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
220	12/23	735A / 745A	TURNER - PALMER	33.0	16.6	3.22	4.50	53.3		.6	11	-01	FC43
221	12/25	1050A / 1101A	DEVORE	25.5	8.27	3.22	4.32	26.6		.6	7	0	FC42
222	12/25	326P / 336P	"	21.5	4.87	2.44	4.18	11.9		.5	7	0	"
223	3/20	213P / 227P	"	20.1	5.55	2.52	4.28	14.0		.6	11	+04	"
224	3/30	600A / 612A	WADDICOR	30.0	13.5	2.84	4.56	38.4		.6	9	-.05	FC22

DISCHARGE MEASUREMENTS OF PACOIMA WASH

AT ~~NEAR~~ Parthenia Street DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
225	11-12	1000A / 1012A	TURNER	TWO CHANNELS			4.17	10.1		.6	10	+.06	FC13
226	11-13	945 / 957A	TURNER - RILEY	33.0	22.3	4.57	4.73	102.		.6	9	-.05	FC43
227	11-14	945A / 955A	" "	8.5	2.59	1.70	3.80	4.4		.5	9	0	"
228	11-20	1105A / 1113A	" "	24.0	8.94	3.06	4.28	27.5		.6	8	0	"
229	11-23	1100A / 1112A	" "	46.0	22.6	3.66	4.62	82.7		.6	12	+.22	"
230	12-26	1025A / 1030A	TURNER	6.0	0.57	0.95	3.57	0.5		.5	5	0	"
231	1-9	955A / 1007A	"	28.0	11.4	3.32	4.25	37.9		.6	10	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F16-R

Daily discharge, in second-feet of PACOIMA WASH at Parthenia Street, for the year ending September 30, 19 46

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
3	0	0	0	0	5.5	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	1.8	0	0	0	0	0	0	0
6	0	0	0	0	0	0	+	0	0	0	0	0
7	0	0	0	0	2.7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	2.3	0	0	0	0	0	0
20	0	0	0	0	0	3.5	0	0	0	0	0	0
21	0	0	18	0	0	0	0	0	0	0	0	0
22	0	0	22	0	0	0	0	0	0	0	0	0
23	0	0	17	0	0	0	0	0	0	0	0	0
24	0	0	0.5	0	0	0	0	0	0	0	0	0
25	0	0	20	0	0	0	0	0	0	0	0	0
26	0	0	12	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	2.7	0	0	0	0	0	0
29	0	0	0.0	0		1.3	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	89.5	0	10.0	23.8	+	0	0	0	0	0
MEAN	0	0	2.89	0	0.36	0.77	+	0	0	0	0	0
ACRE-FEET	0	0	178.	0	20.	47.	+	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.34
ACRE-FEET 245.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

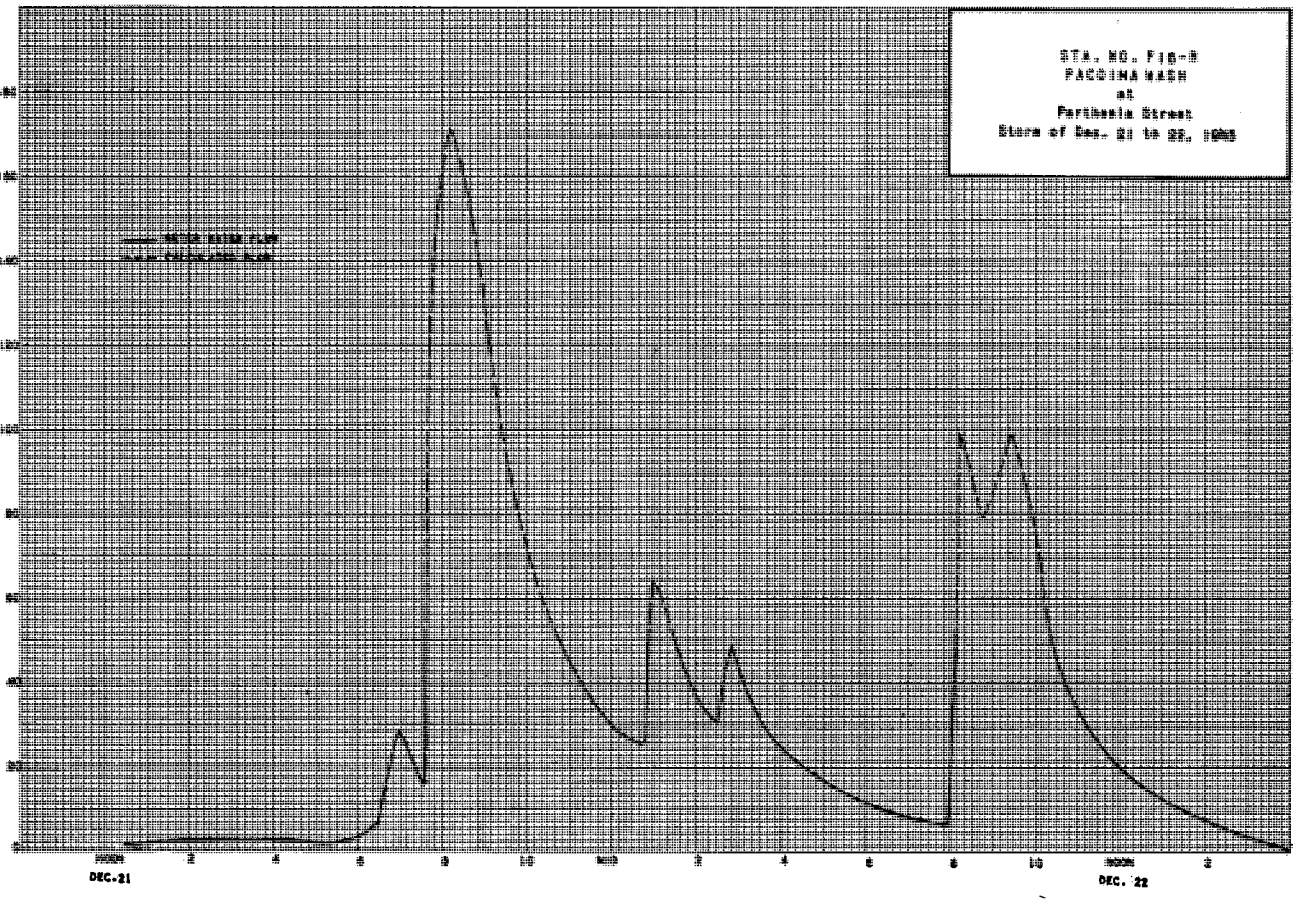
Sta. No. F 16-R

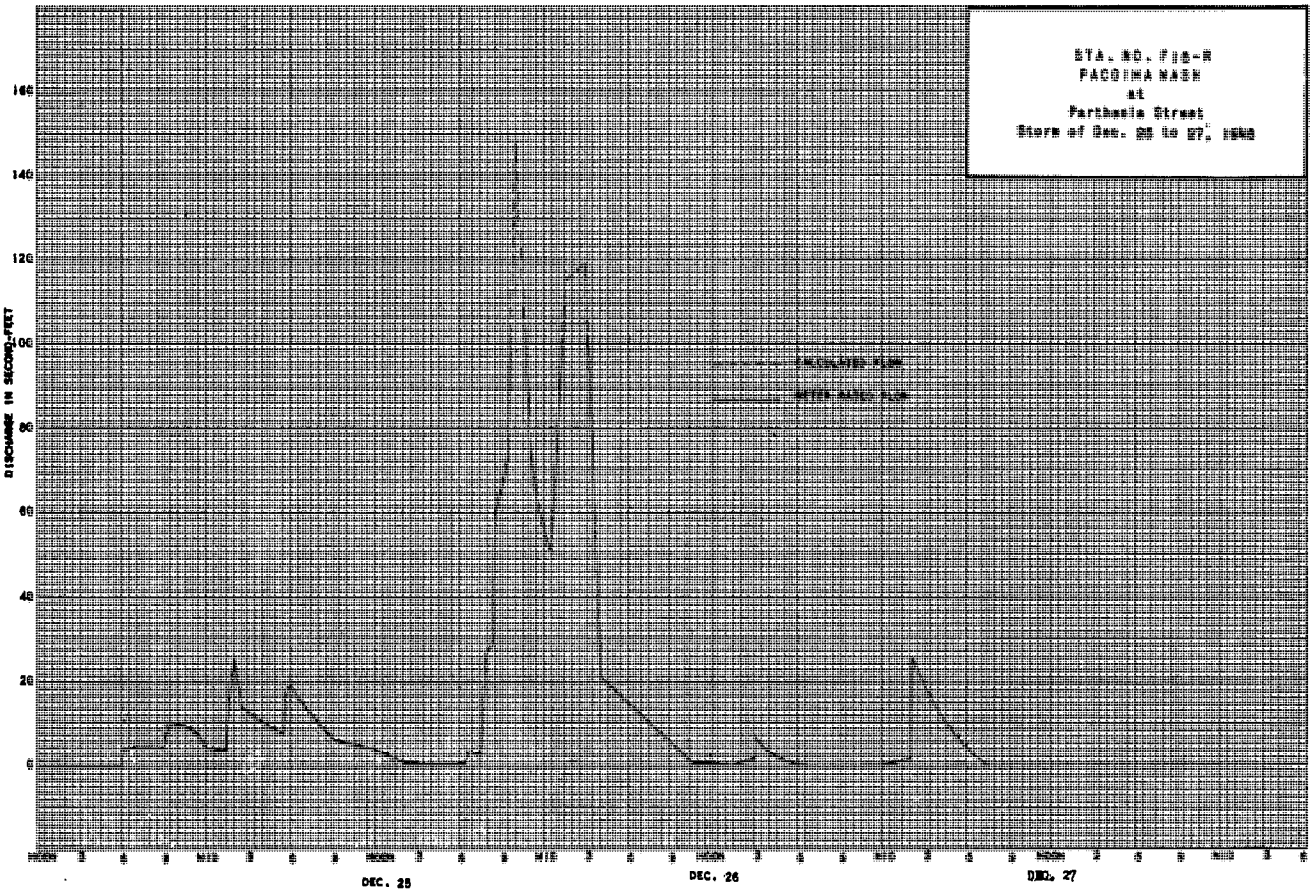
Daily discharge, in second-feet of PACOIMA WASH at Parthenia Street, for the year ending September 30, 19 47

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	2.9	0	0	0	0	0	0
6	0	0	7.8	0.7	0	0	0	0	0	0	0	0
7	0	0	+	+	0	0	0	0	0	0	0	0
8	0	0	0	1.1	0	0	0	0	0	0	0	0
9	0	0	0	27	1.7	0	0	0	0	0	0	0
10	0	0	0	18	0.8	0	0	0	0	0	0	0
11	0	0.7	0	4.7	0	0	0	0	0	0	0	0
12	0	11	0	4.4	1.4	0	0	0	0	0	0	0
13	0	26	0	11	0	0	0	0	0	0	0	0
14	0	10	0	1.4	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0.5	0	0	0	0	0	0	0	0	0
17	0	0	5.4	0	0	0	0	0	0	0	0	0
18	0	0	5.4	0	0	0	0	0	0	0	0	0
19	0	0	6.3	0	0	0	0	0	0	0	0	0
20	0.3	8.0	0	0	0	0	0	0	0	0	0	0
21	0.1	0	0	0	0	0	0	0	0	0	0	0
22	0.1	0	0	0	0	0	0	0	0	0	0	0
23	0.5	25	0	0	0	0	0	0	0	0	0	0
24	1.6	+	1.5	0	0	0	0	0	0	0	0	0
25	2.8	0	19	0	0	0	0	0	0	0	0	0
26	0.1	0	18	0	0	0	0	0	0	0	0	0
27	0	0	2.6	0	0	0	0	0	0	0	0	0
28	0	0	0	4.8	0	2.0	0	0	0	0	0	0
29	0	0	0	2.3		0	0	0	0	0	0	0
30	0	0	0	8.6		0	0	0	0	0	0	0
31	0		0	1.0		0		0		0	0	
	5.5	80.7	66.5	85.0	3.9	4.9	0	0	0	0	0	0
MEAN	0.18	2.69	2.15	2.74	0.14	0.16	0	0	0	0	0	0
ACRE-FEET	11	160	132	169	7.7	9.7	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 489.4


STA. NO. Fig-8
PACOIMA WASH
at
Parthenia Street
Storm of Dec. 21 to 22, 1969
DISCHARGE IN SECOND-FEET
DEC. 21
DEC. 22


STA. NO. Fig-8
PACOIMA WASH
at
Parthenia Street
Storm of Dec. 25 to 27, 1969
DISCHARGE IN SECOND-FEET
CALCULATED FLOW
WATER METER FLOW
DEC. 25
DEC. 26
DEC. 27

STATION F40-R
PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'35", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE. CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGH FLOWS.

RECORDER: INSTALLED DECEMBER 28, 1927 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND/OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM. METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION. INFLOW PARTIALLY REGULATED BY LIVE OAK DAM.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 37 SECOND-FEET, AUGUST 31.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

1946-1947
MAXIMUM 6.0 SECOND-FEET NOVEMBER 12.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

1928-1947
MAXIMUM 287 SECOND-FEET, MARCH 4, 1943.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

~~AT~~ below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
~~444~~	~~10/3~~	756A / 800A	BREWSTER	0.5	0.11	0.45	0.03	0.05		.6	1	0	FC12
445	10/17	840A / 850A	"	2.5	1.49	1.21	0.49	1.8		.6	5	0	"
446	10/31	820A / 830A	"	4.0	3.95	0.86	0.60	3.4		.6	4	0	"
447	11/14	856A / 900A	"	0.5	0.14	0.79	0.06	0.11		.6	1	0	"
448	11/28	1012A / 1015A	"	0.5	0.12	0.50	0.04	0.06		.6	1	0	"
449	12/12	322P / 330P	"	4.0	1.22	0.77	0.31	0.94		.6	4	0	"
450	12/26	928A / 930A	"	1.0	0.37	1.38	0.22	0.51		.6	2	0	"
~~451~~	~~1/9~~	924A / 930A	"	1.0	0.38	1.29	0.21	0.49		.6	2	0	"
452	1/23	915A / 920A	"	1.0	0.28	1.14	0.16	0.32		.6	2	0	"
453	2/6	925A / 930A	"	1.0	0.34	1.03	0.17	0.35		.6	2	0	"
454	2/20	840A / 845A	"	1.0	0.26	1.12	0.15	0.29		.6	2	0	"
455	3/6	815A / 822A	"	1.5	0.39	0.82	0.15	0.32		.6	3	0	"
456	3/20	830A / 835A	"	1.0	0.25	1.20	0.15	0.30		.6	2	0	"
457	4/3	334P / 340P	"	1.5	0.37	1.05	0.17	0.39		.6	3	0	"
458	4/17	949A / 955A	"	2.0	0.67	0.51	0.16	0.34		.6	4	0	"
459	5/1	912A / 920A	"	2.0	0.60	1.43	0.30	0.86		.6	4	0	"
460	5/15	847A / 855A	"	1.5	0.46	0.61	0.15	0.28		.6	3	0	"
461	5/29	216P / 220P	"	0.5	0.12	1.00	0.07	0.12		.6	1	0	"
462	6/12	810A / 818A	"	1.5	0.39	0.82	0.16	0.32		.6	3	0	"
463	6/26	824A / 830A	"	1.0	0.31	0.87	0.13	0.27		.6	2	0	"
464	7/10	1035A / 1040A	"	0.5	0.14	1.07	0.09	0.15		.6	1	0	"
465	7/23	242P / 300P	"	8.0	9.20	1.65	1.49	15.2		.6	8	0	"
466	7/24	845A / 900A	"	7.0	7.50	2.09	1.49	15.7		.6	7	0	"
467	7/29	800A / 810A	BREWSTER	6.0	5.46	1.96	1.21	10.7		.6	6	0	FC12
468	7/31	319P / 335P	"	6.0	6.45	2.20	1.45	14.2		.6	6	0	"
469	8/7	245P / 259P	BONADIMAN	12.0	8.48	1.33	1.15	11.3		.6	10	0	FC19
470	8/14	840A / 852A	"	13.0	15.8	1.44	1.65	22.9		.6	9	+.01	"
471	8/19	846A / 903A	"	11.0	12.0	1.55	1.61	18.6		.6	10	0	"
472	8/19	912A / 922A	"	10.0	12.0	1.55	1.61	18.1		.6	9	0	"
473	8/21	142P / 156P	"	10.0	12.1	1.64	1.65	19.9		.6	11	0	"
474	8/21	220P / 234P	"	10.0	12.6	1.60	1.65	20.2		.6	11	0	"
475	8/26	910A / 921A	"	10.0	13.2	1.69	1.68	22.3		.6	10	0	"
476	8/26	940A / 954A	"	12.0	13.8	1.62	1.69	22.4		.6	12	0	"
477	8/26	1013A / 1028A	"	12.0	14.3	1.58	1.69	22.6		.6	13	0	"
478	8/27	837A / 852A	BREWSTER	8.0	10.5	2.30	1.71	24.1		.6	8	0	FC12
479	8/28	840A / 858A	"	8.0	10.4	2.24	1.70	23.3		.6	8	0	"
480	9/4	330P / 345P	"	9.5	12.1	1.83	1.67	22.1		.6	9	0	"
481	9/10	409P / 425P	"	10.0	13.1	2.27	1.77	29.8		.6	9	0	"
482	9/18	903A / 912A	"	5.0	2.40	0.75	0.47	1.8		.6	5	0	"
483	9/25	326P / 330P	"	0.5	0.11	0.45	0.03	0.05		.6	1	0	"

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

AT OR NEAR below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
484	10/2	327P / 330P	BREWSTER	0.5	0.12	0.58	0.04	0.07		.6	1	0	FC12
485	10/9	925A / 930A	"	1.0	0.14	0.43	0.04	0.06		.6	2	0	"
486	10/16	845A / 850A	"	1.0	0.16	0.50	0.05	0.08		.6	2	0	"
487	10/23	850A / 858A	"	4.0	0.74	1.30	0.32	0.96		.6	4	0	"
488	10/30	854A / 900A	"	1.5	0.38	0.66	0.13	0.25		.6	3	0	"
489	11/6	845A / 854A	"	0.5	0.14	0.71	0.06	0.10		.6	1	0	"
490	11/14	1020A / 1030A	"	2.0	0.95	0.97	0.28	0.92		.6	4	0	"
491	11/21	1236P / 1240P	"	1.0	0.24	0.92	0.10	0.22		.6	2	0	"
492	11/27	856A / 900A	"	0.5	0.12	1.00	0.07	0.12		.6	1	0	"
493	12/4	825A / 830A	"	0.5	0.12	0.92	0.06	0.11		.6	1	0	"
494	12/11	812A / 817A	"	0.5	0.16	0.75	0.07	0.12		.6	1	0	"
495	12/18	810A / 815A	"	0.5	0.12	0.92	0.07	0.11		.6	1	0	"
496	12/27	232P / 240P	"	4.0	2.45	0.65	0.42	1.6		.6	4	0	"
497	1/2	825A / 830A	"	0.5	0.12	0.67	0.05	0.08		.6	1	0	"
498	1/8	800A / 805A	"	0.5	0.12	0.75	0.05	0.09		.6	1	0	"
499	1/15	804A / 808A	"	0.5	0.17	0.53	0.05	0.09		.6	1	0	"
500	1/22	813A / 818A	"	1.0	0.18	0.44	0.05	0.08		.6	2	0	"
501	1/29	815A / 820A	"	0.5	0.16	0.69	0.06	0.11		.6	1	0	"
502	2/5	400P / 406P	"	0.5	0.06	1.00	0.04	0.06		.6	1	0	"
503	2/12	1141A / 1145A	"	0.5	0.14	0.64	0.05	0.09		.6	1	0	"
504	2/.9	436P / 440P	"	0.5	0.17	0.59	0.06	0.10		.6	1	0	"
505	2/26	826A / 830A	"	0.5	0.12	0.75	0.05	0.09		.6	1	0	"
506	3/6	820A / 825A	"	0.5	0.14	0.86	0.07	0.12		.6	1	0	"
507	3/12	803A / 808A	"	0.5	0.14	0.79	0.06	0.11		.6	1	0	"
508	3/19	825A / 830A	"	0.5	0.16	0.81	0.07	0.13		.6	1	0	"
509	3/26	930A / 935A	"	0.5	0.14	0.57	0.04	0.08		.6	1	0	"
510	4/2	920A / 925A	"	0.5	0.14	0.71	0.06	0.10		.6	1	0	"
511	4/9	845A / 850A	"	0.5	0.13	0.92	0.07	0.12		.6	1	0	"
512	4/16	339P / 345P	"	2.0	0.22	0.45	0.06	0.10		.6	2	0	"
513	4/24	215P / 220P	"	0.5	0.18	0.89	0.10	0.16		.6	1	0	"
514	4/30	1055A / 1100A	"	0.5	0.11	0.91	0.06	0.10		.6	1	0	"
515	5/7	1040A / 1045A	"	0.5	0.12	0.92	0.07	0.11		.6	1	0	"
516	5/14	910A / 915A	"	0.5	0.14	1.00	0.08	0.14		.6	1	0	"
517	5/21	942A / 948A	"	1.0	0.27	0.93	0.11	0.25		.6	2	0	"
518	5/28	900A / 905A	"	0.5	0.12	0.92	0.09	0.11		.6	1	0	"
519	6/4	835A / 840A	"	0.5	0.14	0.93	0.07	0.13		.6	1	0	"
520	6/11	900A / 905A	WADDICOR	0.5	0.15	0.20	0.10	0.03		.6	2	0	FC37
521	6/18	845A / 850A	"	0.5	0.10	0.50	0.06	0.05		.6	2	0	"
522	6/24	220P / 227P	"	1.4	0.38	0.82	0.20	0.31		.6	3	0	"
523	7/2	934A / 940A	BREWSTER	1.0	0.36	1.06	0.15	0.38		.6	2	0	FC12
524	7/10	804A / 810A	"	1.0	0.24	1.00	0.10	0.24		.6	2	0	"
525	7/18	918A / 922A	"	0.5	0.11	0.73	0.05	0.08		.6	1	0	"
526	7/24	914A / 920A	"	1.0	0.24	0.83	0.11	0.20		.6	2	0	"
527	7/31	1029A / 1035A	"	0.8	0.18	0.78	0.08	0.14		.6	2	0	"
528	8/6	310P / 315P	"	0.5	0.12	1.00	0.06	0.12		.6	1	0	"
529	8/13	755A / 800A	"	0.8	0.17	0.47	0.05	0.08		.6	2	0	"
530	8/20	340P / 345P	"	0.5	0.11	0.55	0.04	0.06		.6	1	0	"
531	8/27	802A / 810A	"	0.8	0.20	0.75	0.08	0.15		.6	2	0	"
532	9/3	820A / 825A	"	0.5	0.14	1.29	0.10	0.18		.6	1	0	"
533	9/10	803A / 808A	"	1.0	0.26	1.08	0.15	0.28		.6	2	0	"
534	9/17	825A / 830A	"	0.5	0.14	1.07	0.09	0.15		.6	1	0	"
535	9/24	801A / 806A	"	0.5	0.16	1.00	0.09	0.16		.6	1	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	1.2	0.2	0.4	0.4	0.3	0.4	2.6	2.9	2.3	11.3	30
2	0.1	1.1	0.1	0.5	0.4	0.3	0.4	3.6	5.3	0.6	10.0	25
3	0.9	2.4	0.7	0.5	0.4	0.3	0.4	5.7	8.3	3.4	10.8	25
4	1.0	1.2	1.3	0.5	0.4	0.3	0.4	5.1	4.2	2.0	10.9	24
5	0.2	1.6	1.4	0.6	0.4	0.3	0.4	3.9	1.7	2.1	12.5	24
6	0.2	2.7	0.9	0.5	0.4	0.3	0.3	2.9	1.3	2.5	12.0	26
7	0.1	5.3	1.3	0.5	0.3	0.3	0.4	2.2	1.3	2.4	11.9	25
8	1.0	2.4	1.3	0.5	0.3	0.3	0.4	2.2	0.9	1.6	11.3	24
9	2.6	2.9	2.5	0.5	0.3	0.2	0.4	0.7	1.3	1.7	18.6	23
10	4.5	2.3	1.4	0.5	0.3	0.2	0.4	0.6	1.3	2.0	23	24
11	5.5	2.3	1.4	0.5	0.3	0.2	0.3	1.0	0.9	1.5	22	23
12	1.8	3.1	1.4	0.5	0.3	0.2	0.3	0.5	1.0	1.0	22	21
13	2.6	2.1	2.3	0.5	0.3	0.2	0.3	0.5	1.2	0.7	21	19.2
14	5.2	0.5	3.2	0.5	0.3	0.2	0.3	0.6	0.9	0.4	21	15.5
15	5.2	0.6	2.4	0.5	0.3	0.2	0.3	0.7	0.9	0.6	21	19.3
16	2.7	1.3	1.4	0.5	0.3	0.2	0.3	0.3	0.2	1.1	19.2	7.9
17	2.7	0.8	0.8	0.4	0.3	0.2	0.3	1.3	0.2	0.6	18.5	3.6
18	4.1	2.1	1.3	0.4	0.3	0.2	0.3	3.9	0.3	1.0	18.5	1.9
19	1.6	2.1	4.0	0.4	0.3	0.3	0.3	3.2	0.7	1.2	18.5	0.7
20	1.2	0.1	5.2	0.4	0.3	0.3	0.3	2.2	1.0	0.8	17.5	0.5
21	1.3	0.1	6.4	0.4	0.3	0.4	0.3	2.6	1.6	1.3	18.5	0.5
22	0.9	0.1	6.9	0.4	0.3	0.4	0.5	2.6	1.5	2.6	22	0.4
23	1.6	0.1	2.7	0.4	0.3	0.3	0.4	4.1	1.5	10.7	24	0.2
24	3.4	0.1	0.6	0.4	0.3	0.3	0.3	3.2	1.7	16.0	24	0.1
25	1.9	0.1	0.6	0.4	0.3	0.3	0.3	2.5	3.2	17.0	23	0.1
26	0.4	0.1	0.5	0.4	0.3	0.3	0.3	1.0	1.0	15.1	23	0.1
27	1.0	0.1	0.5	0.4	0.3	0.3	0.4	2.1	0.8	11.2	25	0.1
28	2.4	0.1	0.5	0.4	0.3	0.4	0.4	2.4	1.2	11.1	25	0.1
29	2.0	0.1	0.5	0.4		0.4	0.4	0.6	0.7	10.8	25	0.1
30	3.9	0.2	0.5	0.4		1.7	1.9	1.1	1.2	11.4	25	0.1
31	3.4		0.4	0.4		0.6		3.8		14.0	29	
	655	372	546	14.0	90	10.4	121	69.7	502	148.7	595.0	364.4
MEAN	2.11	1.24	1.76	0.45	0.32	0.34	0.40	2.25	1.67	4.80	19.2	1.21
ACRE-FEET	130.	74.	108.	28.	18.	21.	24.	138.	100.	295.	1,180.	723.

Remarks:

YEAR OR PERIOD MEAN 3.92
ACRE-FEET 2,840.

F. C. Dist. Form 63 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.6	0.1	0.02
2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1
3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.2
4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.2
5	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
6	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.1
7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.1	0.2	0.1	0.1
8	0.1	0.9	0.1	0.1	0.1	0.1	0.1	0.6	0.04	0.2	0.2	0.2
9	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.04	0.2	0.1	0.2
10	0.04	0.4	0.1	0.1	0.1	0.1	0.1	0.2	0.03	0.2	0.1	0.3
11	0.1	0.6	0.1	0.1	0.1	0.1	0.1	0.3	0.03	0.2	0.1	0.2
12	0.04	3.6	0.1	0.1	0.1	0.1	0.1	0.1	0.03	0.2	0.1	0.1
13	0.03	1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.03	0.2	0.1	0.2
14	0.7	0.6	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2
15	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.1	0.2
16	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
17	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	0.2
18	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2
19	0.1	0.1	0.03	0.1	0.1	0.1	0.2	0.2	0.03	0.2	0.1	0.2
20	0.1	1.3	0.03	0.1	0.1	0.1	0.2	0.2	0.03	0.1	0.1	0.1
21	0.5	0.2	0.03	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.2
22	1.2	0.2	0.03	0.1	0.1	0.1	0.3	0.2	0.4	0.2	0.1	0.2
23	0.9	1.0	0.03	0.1	0.1	0.1	0.3	0.2	0.4	0.2	0.1	0.1
24	0.6	0.3	0.03	0.1	0.1	0.1	0.2	0.1	0.3	0.2	0.1	0.1
25	0.3	0.2	0.4	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.2	0.1
26	0.2	0.1	0.9	0.1	0.1	0.1	0.2	0.2	0.4	0.1	0.1	0.1
27	0.4	0.1	0.4	0.1	0.1	0.1	0.3	0.2	0.3	0.1	0.1	0.2
28	0.6	0.1	0.2	0.1	0.1	0.1	0.3	0.1	0.1	0.1	0.1	0.1
29	0.4	0.1	0.1	0.1		0.1	0.3	0.1	0.2	0.1	0.1	0.2
30	0.2	0.1	0.1	0.1		0.1	0.2	0.1	0.2	0.1	0.04	0.2
31	0.2		0.1	0.1		0.1		0.1		0.1	0.03	
	9.61	12.9	4.18	3.1	2.8	3.1	4.8	6.0	4.86	5.8	3.47	4.82
MEAN	0.31	0.43	0.13	0.10	0.10	0.10	0.16	0.19	0.16	0.19	0.11	0.16
ACRE-FEET	19	26	8.3	6.1	5.6	6.1	9.5	12	9.6	12	6.9	9.6

Remarks:

YEAR OR PERIOD MEAN 0.18
ACRE-FEET 131

STATION F280-R
RIO HONDO DIVERSION below Santa Fe Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°06'46", LONG. 117°56'18", ON THE LEFT BANK OF THE DIVERSION CANAL, 400 FEET DOWNSTREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE ABOUT 403 FEET.

DRAINAGE AREA: 231 SQUARE MILES. 202 SQUARE MILES ARE CONTROLLED BY SAN GABRIEL DAMS #1 AND #2.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL - CONCRETE APRON 3 FEET WIDE 10 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: MADE BY FOOTBRIDGE AT CONTROL.

RECORDER: INSTALLED MAY 12, 1944 OVER A 16 INCH DIAMETER IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW REGULATED BY 5 GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO THE RIO HONDO DIVERSION CANAL.

RECORDS AVAILABLE: OCTOBER 1, 1942 TO MAY 12, 1944, FLOW DETERMINED BY GATE OPENINGS AND MEASUREMENTS. RECORDER RECORDS FROM MAY 12, 1944 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 484 SECOND-FEET, SEPTEMBER 13.
MINIMUM NO FLOW MOST OF YEAR, SEPTEMBER 13, 1946 AND NOVEMBER 27, 1946

1946-1947
MAXIMUM 484 SECOND-FEET, NOVEMBER 27.
MINIMUM NO FLOW MOST OF YEAR.

1943-1947
MAXIMUM 484 SECOND-FEET, MAY 18 TO 23 AND 29, 1944.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: GOOD.

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

REMARKS: NO FLOW DURING THIS PERIOD.

DISCHARGE MEASUREMENTS OF RIO HONDO DIVERSION

~~NEAR~~ Below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
22	1/3	800A / 842A	MOON - BEAM	335.	438.	0.93	4.85	407.		.6	35	0	FC22
23	1/3	420P / 450P	U.S.E.D.	327.	443.	0.92	4.85	406.		.6	20	0	35616
24	1/4	900A / 945A	MOON - BEAM	336.	447.	0.92	4.90	412.		.6	27	0	FC22
25	1/7	1205P / 1230P	" "	33.5	84.9	3.58	4.32	304.		.6	14	0	"
26	1/9	1210P / 1230P	" "	31.5	72.4	3.33	3.98	241.		.6	16	0	"
27	1/14	220P / 245P	U.S.E.D.	332.	318.	0.75	4.03	238.		.6	20	0	35616
28	1/16	1220P / 1245P	MOON	32.0	75.2	3.38	4.03	254.		.6	16	0	FC22
29	1/18	1035A / 1100A	"	30.0	63.0	3.11	3.66	196.		.6	14	0	"
30	1/22	213P / 229P	"	25.5	41.2	1.94	2.75	79.8		.6	14	-.07	"
31	1/22	301P / 317P	"	25.0	37.4	1.70	2.57	63.5		.6	12	-.06	"
32	1/22	427P / 444P	"	23.5	30.7	1.36	2.32	41.6		.6	11	-.03	"
33	9/11	110P / 155P	U.S.E.D.	334.	381.	0.77	4.48	295.		.6	37	0	35616
34	9/11	150P / 200P	STUNDEN	34.0	92.4	3.77	4.48	348.		FLOATS		0	
35	9/12	1120A / 1150A	STUNDEN - VAN DER GOOT	34.0	92.4	3.69	4.55	341.		.6	12	0	FC36
36	9/14	400P / 415P	STUNDEN	34.0	118.	3.84	5.28	452.		FLOATS		0	
37	9/16	200P / 230P	U.S.E.D.	338.	509.	0.92	5.34	468.		.6	22	0	35616
38	9/17	100P / 115P	BOLLINGER-WADDICOR	40.0	122.	4.31	5.31	527.		FLOATS		0	
39	9/18	1155A / 1252P	STUNDEN-BOLLINGER	34.5	108.	4.05	4.95	437.				0	
40	9/18	125P / 200P	U.S.E.D.	337.	446.	0.91	4.93	403.		.6	22	0	35616
41	9/23	1155A / 1245P	STUNDEN-BOLLINGER	34.5	91.5	3.92	4.52	359.		.6	18	0	FC36
42	9/23	1210P / 1245P	U.S.E.D.	337.	389.	0.82	4.52	321.		.6	22	0	35616

DISCHARGE MEASUREMENTS OF RIO HONDO DIVERSION

~~NEAR~~ below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
43	11-27	220P / 245P	MOON-ROCKENMEYER	335.	536.	1.01	5.35	508.		.6	23	0	FC22
44	11-29	1055A / 1122A	" "	336.	430.	0.92	4.84	396.		.6	27	0	"
45	12-4	1025A / 1043A	" "	33.0	84.1	3.41	4.24	287.		.6	16	0	"
46	12-6	227P / 242P	MOON	25.5	43.5	1.91	2.82	83.0		.6	13	0	"
47	12-11	1149A / 1210P	MOON - WADDICOR	32.0	76.2	3.32	4.05	253.		.6	16	+.01	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of RIO HONDC DIVERSION below Santa Fe Dam, for the year ending September 30, 19 48

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	174	0	0	0	0	0	0	0	0
3	0	0	0	401	0	0	0	0	0	0	0	0
4	0	0	0	400	0	0	0	0	0	0	0	0
5	0	0	0	400	0	0	0	0	0	0	0	0
6	0	0	0	381	0	0	0	0	0	0	0	0
7	0	0	0	302	0	0	0	0	0	0	0	0
8	0	0	0	305	0	0	0	0	0	0	0	0
9	0	0	0	253	0	0	0	0	0	0	0	0
10	0	0	0	251	0	0	0	0	0	0	0	12
11	0	0	0	259	0	0	0	0	0	0	0	343
12	0	0	0	259	0	0	0	0	0	0	0	348
13	0	0	0	259	0	0	0	0	0	0	0	479
14	0	0	0	258	0	0	0	0	0	0	0	477
15	0	0	0	258	0	0	0	0	0	0	0	337
16	0	0	0	243	0	0	0	0	0	0	0	478
17	0	0	0	199	0	0	0	0	0	0	0	476
18	0	0	0	196	0	0	0	0	0	0	0	422
19	0	0	0	196	0	0	0	0	0	0	0	370
20	0	0	0	196	0	0	0	0	0	0	0	332
21	0	0	0	194	0	0	0	0	0	0	0	331
22	0	0	0	127	0	0	0	0	0	0	0	335
23	0	0	0	51	0	0	0	0	0	0	0	335
24	0	0	0	0	0	0	0	0	0	0	0	333
25	0	0	0	0	0	0	0	0	0	0	0	333
26	0	0	0	0	0	0	0	0	0	0	0	292
27	0	0	0	0	0	0	0	0	0	0	0	67
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	53595	0	0	0	0	0	0	0	60397
MEAN	0	0	0	173.	0	0	0	0	0	0	0	201.
ACRE-FEET	0	0	0	10,630.	0	0	0	0	0	0	0	11,980.

Remarks:

YEAR OR PERIOD MEAN 31.2
ACRE-FEET 22,610.

F. C. Dist. Form 23 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 280-R

Daily discharge, in second-feet of RIO HONDO DIVERSION below Santa Fe Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	387	0	0	0	0	0	0	0	0	0
2	0	0	389	0	0	0	0	0	0	0	0	0
3	0	0	341	0	0	0	0	0	0	0	0	0
4	0	0	286	0	0	0	0	0	0	0	0	0
5	0	0	238	0	0	0	0	0	0	0	0	0
6	0	0	193	0	0	0	0	0	0	0	0	0
7	0	0	350	0	0	0	0	0	0	0	0	0
8	0	0	259	0	0	0	0	0	0	0	0	0
9	0	0	259	0	0	0	0	0	0	0	0	0
10	0	0	259	0	0	0	0	0	0	0	0	0
11	0	0	259	0	0	0	0	0	0	0	0	0
12	0	0	259	0	0	0	0	0	0	0	0	0
13	0	0	259	0	0	0	0	0	0	0	0	0
14	0	0	259	0	0	0	0	0	0	0	0	0
15	0	0	259	0	0	0	0	0	0	0	0	0
16	0	0	258	0	0	0	0	0	0	0	0	0
17	0	0	44	0	0	0	0	0	0	0	0	0
18	0	0	0.3	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	354	0	0	0	0	0	0	0	0	0	0
28	0	446	0	0	0	0	0	0	0	0	0	0
29	0	408	0	0		0	0	0	0	0	0	0
30	0	384	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	15920	45583	0	0	0	0	0	0	0	0	0
MEAN	0	53.1	147	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	3,160	9,040	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 16.8
ACRE-FEET 12,200

STATION F182-R
RIO HONDO at Lower Azusa Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'33", LONG. 118°01'52", ON THE DOWNSTREAM SIDE OF THE LOWER AZUSA ROAD BRIDGE, ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 287.37 FEET.

DRAINAGE AREA: 40.9 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, ALSO SPILLWAY AND DIVERSION AT SANTA FE DAM.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE:
FEBRUARY 22, 1932 TO MARCH 29, 1932 - STREAM MEASUREMENTS ONLY.
RECORDER RECORDS FROM MARCH 29, 1932 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 483 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 283 SECOND-FEET, NOVEMBER 28.
MINIMUM NO FLOW MOST OF YEAR.
1932-1946
MAXIMUM 31,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF YEAR FOR SEVERAL YEARS.

ACCURACY: FAIR. BOTTOM SHIFT UNDETERMINED AT EXTREMELY HIGH FLOWS.

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

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
589	10/4	305P / 310P	STUNDEN	2.0	0.21	0.81	0.66	0.17		.5	4	0	FC36
590	10/11	245P / 250P	"	1.6	0.21	0.81	0.65	0.17		.5	3	0	"
591	10/18	320P / 322P	MOON	2.5	0.24	0.75	0.66	0.18		.6	2	0	FC22
592	10/25	240P / 243P	"	2.0	0.15	0.87	0.64	0.13		.5	3	0	"
593	11/1	1212P / 1214P	MOON ROCKENMEYER	2.0	0.16	0.75	0.59	0.12		.5	2	0	"
594	11/15	125P / 127P	MOON	2.0	0.14	0.86	0.58	0.12		.5	2	0	"
595	12/24	1110A / 1114A	MOON HOLMES	3.0	0.30	0.93	0.91	0.28		.5	3	0	"
596	1/3	200P / 215P	MOON BEAM	TWO CHANNELS			3.10	205.		.6	10	0	"
597	1/4	1025A / 1040A	MOON BEAM	"			3.27	252.		.6	10	0	"
598	1/7	225P / 245P	MOON	"			2.90	186.		.6	11	0	"
599	1/9	300P / 315P	"	33.0	45.3	3.27	2.83	148.		.6	12	0	"
600	1/16	250P / 310P	"	36.0	49.4	3.26	3.16	161.		.6	11	0	"
601	1/18	120P / 135P	"	31.5	40.1	2.72	2.95	109.		.6	12	0	"
602	1/23	915A / 920A	"	4.0	0.82	0.79	2.09	0.65		.6	4	0	"
603	1/31	345P / 348P	"	2.0	0.23	0.74	1.94	0.17		.5	3	0	"
604	2/3	432P / 442P	"	21.0	10.2	2.25	2.38	23.0		.6	7	-.08	"
605	2/14	410P / 415P	"	2.5	0.19	0.90	1.90	0.17		.6	4	0	"
606	3/7	410P / 412P	"	2.0	0.26	0.58	1.97	0.15		.5	2	0	"
607	3/13	202P / 209P	"	9.0	3.00	1.57	2.06	4.7		.6	5	-.01	"
608	3/19	843A / 852A	"	28.0	13.2	1.83	2.35	24.2		.6	8	-.04	"
609	3/20	145P / 203P	WADDICOR HOLMES	26.0	8.43	1.43	2.19	12.1		.6	9	-.03	FC37
610	3/20	329P / 334P	MOON ROCKENMEYER	11.0	3.20	1.53	2.08	4.9		.6	6	0	FC22
611	3/28	944A / 953A	MOON	26.0	13.4	1.86	2.38	24.9		.6	9	.06	FC22
612	3/30	830A / 837A	MOON ROCKENMEYER	31.0	20.2	1.98	2.56	39.9		.6	8	-.01	"
613	4/5	937A / 941A	MOON	4.0	1.10	1.27	2.11	1.4		.6	3	0	"
614	4/11	920A / 925A	"	4.0	0.85	1.01	2.10	0.86		.6	4	0	"
615	5/3	450P / 455P	"	3.5	0.73	0.68	2.14	0.50		.6	4	0	"
616	5/9	230P / 232P	"	2.0	0.30	0.33	2.12	0.10		.5	2	0	"
617	5/16	230P / 235P	"	2.0	0.15	1.07	2.10	0.16		.5	4	0	"
618	5/23	205P / 207P	"	2.0	0.12	1.00	2.11	0.12		.5	2	0	"
619	5/30	247P / 249P	"	2.0	0.11	0.64	2.03	0.07		.5	2	0	"
620	6/13	315P / 317P	"	2.0	0.14	0.71	2.06	0.10		.5	2	0	"
621	9/11	245P / 300P	STUNDEN BOLLINGER	62.0	111.	1.01	4.37	112.		.6	13	0	FC36
622	9/23	300P / 320P	STUNDEN BOLLINGER	63.0	86.2	1.89	4.44	163.		.6	13	0	"
623	9/27	1100A / 1105A	STUNDEN	2.0	0.36	0.81	2.52	0.29		.5	4	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

~~AT~~ NEAR Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
624	10-1	930A / 936A	MOON	11.0	6.85	1.75	2.88	12.0		.6	6	0	FC22
625	11-12	910A / 916A	"	11.0	7.55	1.27	2.77	9.6		.6	6	0	"
626	11-13	126P / 150P	MOON-ROCKENMEYER	TWO CHANNELS			3.38	42.5		.6	13	-.17	"
627	11-14	315P / 319P	" "	4.0	1.00	1.40	2.41	1.4		.6	4	-.02	"
628	11-21	924A / 944A	" "	THREE CHANNELS			3.80	81.5		.6	17	0	"
629	11-29	108P / 118P	" "	50.0	55.0	4.36	4.72	240.		.6	12	0	"
630	12-4	208P / 229P	" "	56.0	55.6	3.06	4.34	170.		.6	13	0	"
631	12-6	222P / 228P	MOON	17.0	9.55	2.62	3.20	25.0		.6	6	-.04	"
632	12-11	202P / 214P	MOON - WADDICOR	45.0	39.6	3.68		146.		.6	11		FC20
633	12-12	315P / 325P	MOON	54.0	51.5	3.00	4.61	155.		.6	13	0	FC22
634	12-17	842A / 847A	"	8.0	4.80	1.82	3.92	8.7		.6	4	-.02	"
635	12-25	329P / 334P	"	18.0	17.0	0.94	4.05	15.9		.6	5	-.01	"
636	12-27	1141A / 1152A	MOON + STEVENS	41.0	34.2	4.80	4.19	164.		.6	10	-.01	"
637	1-3	455P / 505P	MOON	TWO CHANNELS			2.95	5.8		.6	9	0	"
638	1-8	235P / 240P	"	"	"		2.90	2.1		.6	5	0	"
639	1-16	1214P / 1219P	"	6.0	1.25	1.12	2.83	1.4		.6	4	0	"
640	3-5	1027A / 1035A	WADDICOR	4.0	1.20	0.60	2.95	0.72		.6	4	0	FC37

F. C. Dist. Form 52 4-46

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 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	0	0.1	0.1	0.2	3.0	0.5	0.1	0	0	0
2	0.2	0.1	0	0.1	0.2	0.2	2.3	0.5	0.1	0	0	0
3	0.2	0.1	0	1.42	28	0.2	0.2	0.5	0.1	0	0	0
4	0.2	0.1	0	2.53	0.4	0.2	0.2	0.5	0.1	0	0	0
5	0.2	0.1	0	2.67	0.2	0.2	0.5	0.5	0.1	0	0	0
6	0.2	0.1	0	2.64	0.2	0.2	0.3	0.1	0.1	0	0	0
7	0.2	0.1	0	1.87	0.2	0.2	0.4	0.1	0.1	0	0	0
8	0.2	0.1	0	1.89	0.2	0.2	0.6	0.1	0.1	0	0	0
9	0.2	0.1	0	1.53	0.2	0.2	0.9	0.1	0.1	0	0	0
10	0.2	0.1	0	1.53	0.2	0.2	0.9	0.1	0.1	0	0	0
11	0.2	0.1	0.5	1.59	0.2	0.2	0.9	0.1	0.1	0	0	65
12	0.2	0.1	0	1.66	0.2	0.2	0.8	0.1	0.1	0	0	126
13	0.2	0.1	0	1.66	0.2	0.6	0.8	0.2	0.1	0	0	231
14	0.2	0.1	0	1.66	0.2	0.2	0.8	0.2	0.1	0	0	235
15	0.2	0.1	0	1.66	0.2	0.2	0.8	0.2	0.1	0	0	123
16	0.2	0.1	0	1.91	0.2	0.2	0.8	0.2	0.1	0	0	232
17	0.2	0.1	0	1.02	0.2	0.2	0.8	0.2	0.1	0	0	239
18	0.2	0.1	0	1.02	0.2	0.2	0.7	0.2	0.1	0	0	200
19	0.2	0.1	0	1.08	0.2	5.2	0.7	0.2	0.1	0	0	167
20	0.2	0.1	0	1.15	0.2	2.9	0.7	0.1	0.1	0	0	133
21	0.2	0.1	33	1.21	0.2	0.2	0.7	0.1	0.1	0	0	138
22	0.1	0	231	80	0.2	0.2	0.7	0.1	0	0	0	148
23	0.1	0	157	0.8	0.2	0.2	0.7	0.1	0	0	0	162
24	0.1	0	0.9	0.4	0.2	0.2	0.6	0.1	0	0	0	171
25	0.1	0	0.2	0.3	0.2	0.2	0.6	0.1	0	0	0	180
26	0.1	0	0.1	0.2	0.2	0.2	0.6	0.1	0	0	0	172
27	0.1	0	0.1	0.1	0.2	0.2	0.5	0.1	0	0	0	3.2
28	0.1	0	0.1	0.1	0.2	4.3	0.6	0.1	0	0	0	0
29	0.4	0	0.1	0.1		0.9	0.6	0.1	0	0	0	0
30	0.1	0	0.1	0.1		51	0.5	0.1	0	0	0	0
31	0.1		0.1	0.1		24		0.1		0	0	
	5.5	2.1	423.2	3252.4	33.5	93.9	23.3	5.8	2.1	0	0	2725.2
MEAN	0.18	0.07	13.7	105.	1.20	3.03	0.78	0.19	0.07	0	0	91.0
ACRE-FEET	10.9	4.2	839.	6,450.	66.4	186.	46.2	11.5	4.2	0	0	5,410.

Remarks:

YEAR OR PERIOD MEAN 18.0
ACRE-FEET 13,030.

F. C. Dist. Form 82 4-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

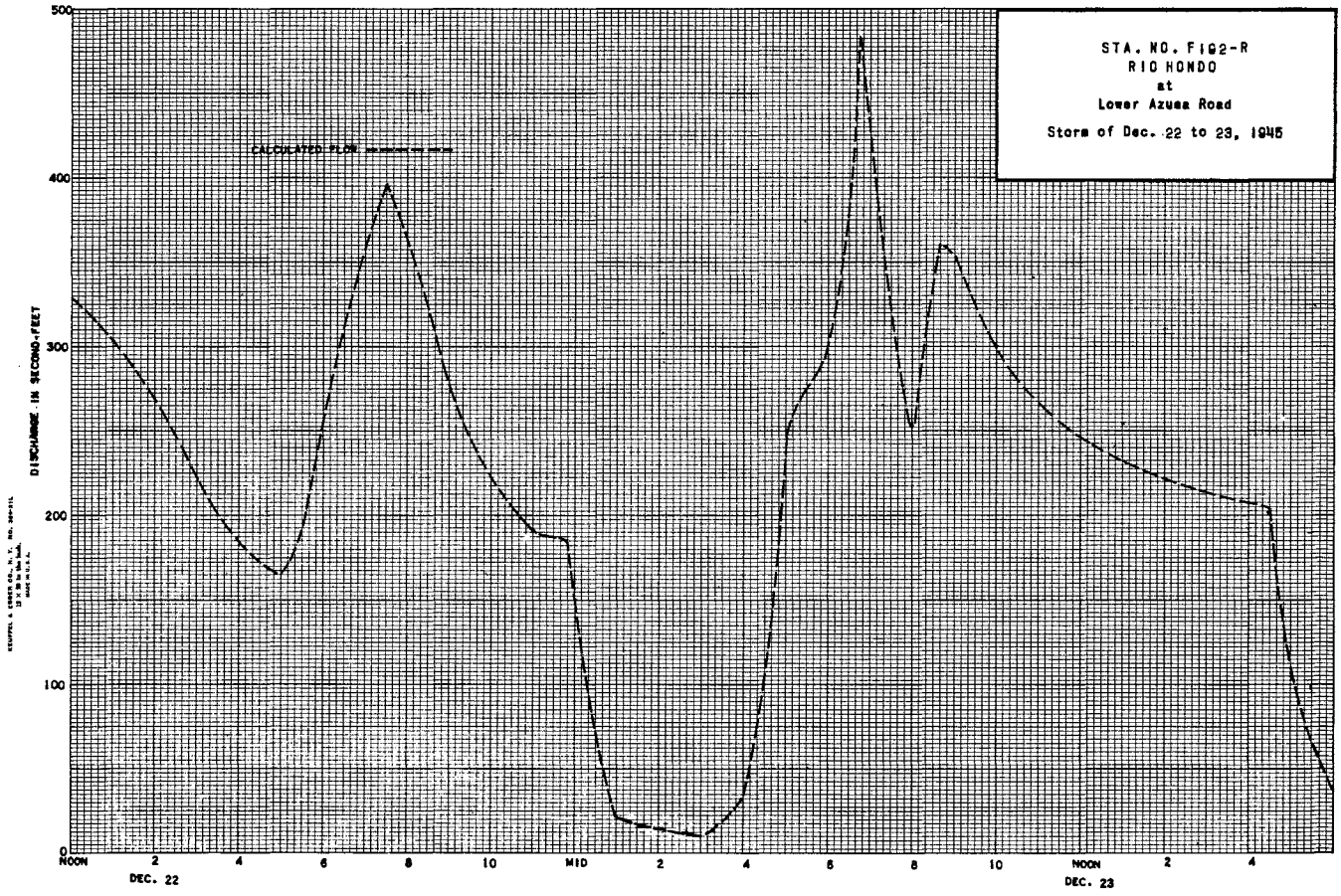
Sta. No. F 192-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.7	0	243	5.8	0.1	0	0	0	0	0	0	0
2	0	0	245	5.8	0.1	0	0	0	0	0	0	0
3	0	0	216	5.8	0.1	0	0	0	0	0	0	0
4	0	0	169	5.0	0.1	0	0	0	0	0	0	0
5	0	0	142	4.5	0.1	0.7	0	0	0	0	0	0
6	0	0	58	4.0	0.1	0.1	0	0	0	0	0	0
7	0	0	229	3.0	0.1	0.1	0	0	0	0	0	0
8	0	0.3	116	2.1	0.1	0.1	0	0	0	0	0	0
9	0	0	146	2.0	0.3	0.1	0	0	0	0	0	0
10	0	0	146	2.0	0.2	0.1	0	0	0	0	0	0
11	0	2.2	146	2.0	0.2	0.1	0	0	0	0	0	0
12	0	31	155	2.0	0.1	0.1	0	0	0	0	0	0
13	0	45	155	1.5	0.1	0.1	0	0	0	0	0	0
14	0	38	155	1.5	0	0.1	0	0	0	0	0	0
15	0	0	155	1.5	0	0.1	0	0	0	0	0	0
16	0.8	0	155	1.4	0	0	0	0	0	0	0	0
17	0	0	31	1.0	0	0	0	0	0	0	0	0
18	0	0	0	0.7	0	0	0	0	0	0	0	0
19	0	0	0	0.5	0	0	0	0	0	0	0	0
20	0	58	0	0.4	0	0	0	0	0	0	0	0
21	0	44	0	0.3	0	0	0	0	0	0	0	0
22	0	36	0	0.2	0	0	0	0	0	0	0	0
23	0	21	0	0.2	0	0	0	0	0	0	0	0
24	0	0.3	0	0.2	0	0	0	0	0	0	0	0
25	0	0	16	0.2	0	0	0	0	0	0	0	0
26	0	0	121	0.1	0	0	0	0	0	0	0	0
27	0	129	109	0.1	0	0	0	0	0	0	0	0
28	0	279	78	0.1	0	0	0	0	0	0	0	0
29	0	258	73	0.1		0	0	0	0	0	0	0
30	0	236	5.8	0.1		0	0	0	0	0	0	0
31	0		5.8	0.1		0		0		0	0	
	5.5	1177.8	3070.6	54.2	1.7	1.7	0	0	0	0	0	0
MEAN	0.18	39.3	99.1	1.75	0.06	0.06	0	0	0	0	0	0
ACRE-FEET	11	2,340	6,090	108	3.4	3.4	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 11.8
ACRE-FEET 8560



STATION F64-R
RIO HONDO above Mission Bridge

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'57", LONG. 118°04'18", ON THE RIGHT (WEST) BANK APPROXIMATELY 1,000 FEET ABOVE MISSION BRIDGE (SAN GABRIEL BOULEVARD) AND 2 MILES NORTHEAST OF MONTEBELLO. THIS SUPPLEMENTS THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS AT MISSION BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 194.63 FEET.

DRAINAGE AREA: 115 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 60 FEET BELOW STATION.

RECORDER: INSTALLED IN JULY, 1928. REMOVED ABOUT 10 P.M. MARCH 2, 1938. REINSTALLED ON MARCH 6, AT A TEMPORARY STATION F64B-R ON MISSION BRIDGE. REMOVED ON MARCH 26, 1938. REINSTALLED AT STATION F64-R IN A 48 INCH DIAMETER, CORRUGATED IRON PIPE WHICH SERVES BOTH AS A STILLING WELL AND SHELTER HOUSE. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, LAS FLORES AND RUBIO DEBRIS BASINS, AND SANTA FE DAM.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: JULY, 1928 TO SEPTEMBER 30, 1947 (FOR RECORDS PRIOR TO JULY, 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS). (RECORDS FROM MARCH 6, 1938 TO MARCH 25, 1938 ARE FROM STATION F64B-R).

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 4,240 SECOND-FEET, NOVEMBER 11.
MINIMUM 18 SECOND-FEET, AUGUST 23.

1946-1947
MAXIMUM 11,600 SECOND-FEET, NOVEMBER 13.
MINIMUM 10 SECOND-FEET, AUGUST 11.

1928-1947
MAXIMUM 28,000 SECOND FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM 5 SECOND-FEET OCTOBER 15, 1931.

ACCURACY: GOOD.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN CO-OPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF RIO HONDO

at Above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
977	10/4	805A / 820A	BREWSTER	25.0	14.1	1.52	3.46	21.5		.6	7	0	FC12
978	10/11	830A / 850A	"	24.0	14.1	1.51	3.47	21.3		.6	7	0	"
979	10/18	830A / 845A	"	26.0	15.7	1.43	3.47	22.4		.6	7	0	"
980	10/24	820A / 832A	MOON BONADIMAN	20.0	16.7	1.43	3.47	23.9		.6	8	0	FC22
981	10/25	822A / 836A	BREWSTER'	22.0	16.2	1.33	3.47	21.6		.6	6	0	FC12
982	11/1	820A / 830A	BREWSTER DILLEY	28.0	13.7	1.60	3.49	22.0		.6	6	0	FC22
983	11/8	807A / 825A	BREWSTER	33.0	14.8	1.55	3.49	23.0		.6	9	0	FC12
984	11/15	814A / 832A	"	36.0	15.8	1.47	3.49	23.2		.6	9	0	"
985	11/23	810A / 828A	"	28.0	14.5	1.57	3.49	22.8		.6	7	0	"
986	11/29	815A / 831A	"	21.0	14.4	1.62	3.50	23.4		.6	6	0	"
987	12/6	818A / 834A	"	28.0	17.8	1.43	3.49	25.5		.6	7	0	"
988	12/13	815A / 831A	"	25.0	16.2	1.59	3.50	25.7		.6	7	0	"
989	12/20	820A / 836A	"	30.0	15.1	1.53	3.50	23.1		.6	8	0	"
990	12/22	422P / 510P	COLE ROCKENMEYER	86.0	144.	3.01	5.26	434.		.6	11	-0.16	FC20
991	12/23	115A / 155A	COLE ROCKENMEYER	85.0	103.	3.28	4.82	338.		.6	12	-0.13	"
992	12/27	835A / 850A	BREWSTER	34.0	17.6	1.59	3.73	27.9		.6	7	-.02	FC12
993	1/3	756A / 810A	"	42.0	25.2	1.44	3.52	36.4		.6	7	-.01	"
994	1/3	305P / 320P	MOON BEAM	75.0	85.0	3.20	4.45	272.		.6	10	0	FC22
995	1/4	1125A / 1140A	MOON BEAM	86.0	108.	2.92	4.68	315.		.6	11	0	"
996	1/7	330P / 335P	MOON	65.0	81.3	2.95	4.43	240.		.6	14	0	"
997	1/9	345P / 400P	"	62.0	61.3	3.03	4.34	186.		.6	13	0	"
998	1/16	410P / 430P	"	70.0	73.6	2.68	4.49	197.		.6	15	0	"
999	1/18	330P / 350P	"	73.0	64.4	2.48	4.32	160.		.6	16	0	"
1000	1/24	813A / 835A	BREWSTER	TWO CHANNELS			3.62	27.0		.6	11	0	FC12
1001	1/24	215P / 232P	MOON	" "			3.74	37.9		.6	15	0	FC22
1002	1/31	830A / 850A	BREWSTER	70.0	21.6	1.18	3.62	25.4		.6	9	0	FC12
1003	2/7	844A / 900A	"	41.0	19.8	1.38	3.72	27.3		.6	6	0	"
1004	2/14	835A / 855A	"	46.0	19.2	1.37	3.62	26.3		.6	9	0	"
1005	2/21	812A / 830A	"	48.0	18.4	1.41	3.60	26.0		.6	8	0	"
1006	2/28	816A / 834A	"	48.0	20.0	1.30	3.59	25.9		.6	8	0	"
1007	3/7	830A / 846A	"	47.0	19.9	1.32	3.57	26.2		.6	8	0	"
1008	3/7	1225P / 1238P	WADDICOR	49.0	30.7	1.48	3.73	45.6		.6	11	0	FC22
1009	3/13	335P / 348P	MOON	49.0	41.4	2.58	4.03	107.		.6	11	+.04	"
1010	3/14	803A / 819A	BREWSTER	47.0	17.6	1.48	3.56	26.0		.6	7	0	FC12
1011	3/19	1008A / 1020A	MOON	80.0	91.5	2.23	4.51	204.		.6	10	-.10	FC22
1012	3/20	845A / 855A	MOON	36.0	23.0	1.43	3.65	32.8		.6	8	0	"
1013	3/20	1120A / 1140A	WADDICOR HOLMES	80.0	116.	3.67	4.95	426.		.6	8	+.10	"
1014	3/21	831A / 847A	BREWSTER	27.0	18.2	1.84	3.67	33.5		.6	6	0	FC12
1015	3/28	810A / 826A	MOON	90.0	171.	4.00	5.57	685.		.6	10	-.25	FC22
1016	3/28	902A / 917A	WADDICOR	84.0	120.	3.08	4.92	369.		.6	9	-.24	"
1017	3/30	535A / 605A	COLE HOLMES	87.0	189.	4.96	5.89	938.		.6	9	-.92	FC20
1018	3/30	100P / 115P	COLE HOLMES	86.0	195.	5.18	5.70	1010.		.6	8	-.16	"
1019	4/4	825A / 840A	BREWSTER	53.0	20.8	1.48	3.65	30.8		.6	7	0	FC12
1020	4/11	813A / 831A	"	48.0	18.1	1.54	3.55	28.0		.6	9	0	"
1021	4/18	815A / 835A	"	52.0	19.1	1.38	3.54	26.3		.6	9	0	"
1022	4/25	822A / 840A	"	46.0	16.3	1.48	3.49	24.2		.6	8	0	"
1023	5/2	813A / 830A	BREWSTER	42.0	16.6	1.36	3.45	22.6		.6	8	0	FC12
1024	5/9	809A / 825A	"	42.0	15.8	1.37	3.45	21.6		.6	7	0	"
1025	5/14	832A / 842A	MOON BONADIMAN	40.0	16.0	1.46	3.43	23.4		.6	9	0	FC22
1026	5/16	815A / 830A	BREWSTER	46.0	16.6	1.32	3.41	21.9		.6	8	0	FC12
1027	5/23	817A / 835A	"	43.0	16.5	1.28	3.39	21.2		.6	9	0	"
1028	5/31	820A / 836A	"	40.0	15.6	1.33	3.37	20.7		.6	8	0	"
1029	6/7	804A / 820A	"	38.0	15.6	1.37	3.35	21.4		.6	8	0	"
1030	6/13	811A / 827A	"	38.0	16.4	1.39	3.35	21.8		.6	7	0	"
1031	6/20	812A / 828A	"	44.0	14.7	1.29	3.35	19.0		.6	8	0	"
1032	6/25	838A / 850A	MOON BONADIMAN	38.0	13.0	1.51	3.32	19.6		.6	10	0	FC22
1033	6/27	824A / 840A	BREWSTER	38.0	14.8	1.36	3.30	20.1		.6	7	0	FC12
1034	7/5	813A / 827A	"	42.0	14.6	1.29	3.32	18.8		.6	8	0	"
1035	7/11	812A / 830A	"	35.0	13.0	1.52	3.31	19.8		.6	8	0	"
1036	7/18	810A / 826A	"	36.0	14.0	1.32	3.27	18.5		.6	8	0	"
1037	7/25	816A / 832A	"	37.0	14.0	1.27	3.23	17.8		.6	8	0	"
1038	8/1	756A / 806A	BREWSTER BONADIMAN	38.0	15.8	1.20	3.21	19.0		.6	7	0	"
1039	8/8	810A / 830A	BONADIMAN	35.0	16.0	1.33	3.17	21.3		.6	9	0	FC19
1040	8/15	751A / 804A	"	36.0	14.0	1.16	3.16	16.3		.6	9	0	"
1041	8/22	726A / 740A	"	35.0	14.5	1.37	3.17	18.7		.6	9	0	"
1042	8/29	823A / 838A	BREWSTER	36.0	15.1	1.25	3.18	18.9		.6	7	0	FC12
1043	9/5	815A / 830A	"	36.0	14.7	1.22	3.17	17.9		.6	7	0	"
1044	9/11	342P / 400P	STUNDEN BREWSTER	39.0	20.3	1.61	3.31	34.2		.6	9	.01	FC36
1045	9/12	405P / 420P	STUNDEN VAN DER GOOT	70.0	92.2	1.82	4.33	168.		.6	11	0	"
1046	9/13	545P / 605P	STUNDEN COLE	70.0	107.	2.57	4.90	275.		.6	12	0	FC36
1047	9/14	310P / 330P	WADDICOR	66.0	110.	2.62	4.96	288.		.6	10	0	FC37
1048	9/17	225P / 236P	WADDICOR BOLLINGER	78.0	128.	2.58	4.94	331.		.6	12	0	FC6
1049	9/18	317P / 340P	WADDICOR	74.0	103.	2.73	4.71	287.		.6	11	0	FC37
1050	9/19	205P / 240P	STUNDEN	72.0	96.2	2.46	4.58	237.		.6	13	-.03	FC36
1051	9/21	303P / 319P	WADDICOR	75.0	87.9	2.45	4.42	215.		.6	13	0	FC37
1052	9/23	230P / 300P	BREWSTER	82.0	92.2	2.42	4.50	223.		.6	12	-.01	FC12
1053	9/24	250P / 305P	WADDICOR	75.0	89.8	2.51	4.50	225.		.6	13	0	FC37
1054	9/27	120P / 150P	STUNDEN	50.0	26.5	1.66	3.55	44.2		.6	10	-.01	FC36

DISCHARGE MEASUREMENTS OF RIO HONDO

AT above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1055	10-1	1107A / 1120A	MOON	56.0	74.5	2.50	4.21	186.		.6	8	-.02	FC22
1056	10-3	820A / 834A	BREWSTER	28.0	14.9	1.48	3.34	22.0		.6	6	0	FC12
1057	10-10	830A / 845A	"	26.0	13.7	1.39	3.27	19.1		.6	8	0	"
1058	10-17	813A / 827A	"	27.0	14.9	1.52	3.29	22.6		.6	6	0	"
1059	10-24	813A / 825A	"	32.0	15.5	1.42	3.28	22.0		.6	6	0	"
1060	10-31	816A / 831A	"	36.0	14.6	1.49	3.28	21.7		.6	7	0	"
1061	11-7	817A / 831A	"	32.0	13.2	1.54	3.29	20.4		.6	6	0	"
1062	11-12	345P / 400P	MOON ROCKENMEYER	85.0	260.	3.70	6.40	961.		.6	9	+.51	FC22
1063	11-13	230A / 255A	BLAKELY-KASIMOFF	90.0	139.	3.52	5.07	490.		.6	14	-.03	FC35
1064	11-13	620A / 640A	" "	90.0	126.	3.70	5.02	467.		.6	12	+.51	"
1065	11-14	405P / 418P	MOON ROCKENMEYER	51.0	52.3	2.10	3.94	110.		.6	12	-.02	FC22
1066	11-15	824A / 840A	BREWSTER	33.0	24.0	1.55	3.53	37.2		.6	7	0	FC12
1067	11-20	825A / 845A	MOON ROCKENMEYER	88.0	288.	7.12	6.86	2050.		.6	7	+.18	FC22
1068	11-21	1114A / 1125A	"	48.0	53.3	2.70	4.09	144.		.6	11	0	"
1069	11-23	730P / 755P	KASIMOFF-THOMPSON	48.0	69.2	2.78	4.00	192.		.6	10	-.02	FC47
1070	11-29	934A / 952A	STUNDEN-PARDIECK	55.0	109.	3.42	4.60	373.		.6	13	0	FC36
1071	11-29	255P / 304P	MOON-ROCKENMEYER	57.0	112.	3.02	4.54	338.		.6	8	-.01	FC22
1072	12-4	314P / 330P	" "	50.0	77.7	2.81	4.29	218.		.6	12	-.01	"
1073	12-6	250P / 312P	BLAKELY	55.0	107.	2.95	4.40	316.		.6	11	-.20	FC35
1074	12-11	254P / 309P	MOON - WADDICOR	47.0	68.7	3.00	4.24	206.		.6	11	+.01	FC20
1075	12-17	957A / 1010A	MOON	46.0	33.6	2.46	3.65	82.7		.6	11	0	FC22
1076	12-19	825A / 840A	BREWSTER	45.0	19.2	1.46	3.36	28.1		.6	6	0	FC12
1077	12-27	1152A / 1216P	KASIMOFF - HAIG	66.0	149.	3.46	5.18	516.		.6	13	-.20	FC47
1078	1-2	943A / 955A	MOON	47.0	30.2	1.89	3.56	57.3		.6	10	+.03	FC22
1079	1-3	840A / 900A	BREWSTER	49.0	25.0	1.38	3.48	34.5		.6	6	0	FC12
1080	1-9	845A / 900A	"	44.0	20.6	1.50	3.35	31.0		.6	8	0	"
1081	1-16	830A / 846A	"	57.0	23.4	1.32	3.32	31.0		.6	7	0	"
1082	1-16	132P / 148P	MOON	47.0	30.7	1.96	3.51	60.1		.6	12	0	FC22
1083	1-23	822A / 838A	BREWSTER	40.0	20.2	1.48	3.30	29.9		.6	6	0	FC12
1084	1-29	350P / 405P	MOON	31.0	27.2	1.96	3.43	53.2		.6	12	0	FC22
1085	1-30	835A / 851A	BREWSTER	36.0	18.0	1.61	3.27	29.0		.6	7	0	FC12
1086	2-6	821A / 839A	"	37.0	17.9	1.56	3.25	27.9		.6	8	0	"
1087	2-13	825A / 840A	"	42.0	18.9	1.52	3.25	28.7		.6	8	0	"
1088	2-20	825A / 836A	BREWSTER-WADDICOR	51.0	19.6	1.52	3.26	29.7		.6	10	0	"
1089	2-27	820A / 830A	WADDICOR	33.0	19.6	1.45	3.24	28.5		.6	9	0	FC37
1090	3-3	826A / 840A	MOON - BONADIMAN	44.0	18.3	1.45	3.21	26.6		.6	12	0	FC22
1091	3-5	845A / 855A	WADDICOR	55.0	33.6	1.86	3.44	56.6		.6	7	+.04	FC37
1092	3-6	907A / 918A	"	55.0	23.4	1.35	3.28	30.7		.6	7	0	"
1093	3-13	825A / 837A	"	54.0	18.2	1.12	3.22	20.5		.6	8	0	"
1094	3-20	825A / 837A	"	46.0	22.0	1.41	3.20	30.9		.6	9	0	"
1095	3-27	838A / 852A	WADDICOR VAN DER GOOT	46.0	17.7	1.52	3.19	26.9		.6	9	0	"
1096	4-2	838A / 850A	WADDICOR	41.0	15.7	1.36	3.19	21.4		.6	8	0	"
1097	4-10	840A / 852A	WADDICOR	41.0	16.8	1.33	3.20	22.4		.6	8	0	"
1098	4-14	814A / 828A	WADDICOR - MOON	45.0	14.9	1.39	3.19	20.7		.6	10	-.01	"
1099	4-17	840A / 852A	WADDICOR	41.0	13.5	1.43	3.19	19.3		.6	8	0	"
1100	4-24	833A / 843A	"	40.0	16.5	1.33	3.20	21.9		.6	8	0	"
1101	5-1	843A / 851A	WADDICOR - MELLEN	43.0	14.6	1.46	3.16	21.3		.6	10	0	"
1102	5-8	830A / 840A	WADDICOR	39.0	13.0	1.38	3.14	17.9		.6	10	0	"
1103	5-15	830A / 840A	"	39.0	15.2	1.41	3.18	21.4		.6	9	0	"
1104	5-22	830A / 840A	"	28.0	13.7	1.46	3.15	20.0		.6	7	0	"
1105	5-29	832A / 842A	"	37.0	14.3	1.48	3.16	21.2		.6	9	0	"
1106	6-5	833A / 843A	"	39.0	15.2	1.30	3.10	19.7		.6	10	0	"
1107	6-12	827A / 840A	"	40.0	14.5	1.41	3.05	20.5		.6	9	0	"
1108	6-19	827A / 837A	"	39.7	13.9	1.31	3.01	18.3		.6	9	0	"
1109	6-25	332P / 345P	"	42.0	22.7	1.62	3.16	36.7		.6	10	0	"
1110	6-26	827A / 837A	"	36.6	15.8	1.47	3.03	23.3		.6	9	0	"
1111	7-3	825A / 835A	"	36.2	14.2	1.26	2.98	17.9		.6	9	0	"
1112	7-10	827A / 840A	"	34.3	13.4	1.37	2.95	18.4		.6	9	0	"
1113	7-17	814A / 830A	BREWSTER	36.0	15.7	1.12	2.95	17.6		.6	8	0	FC12
1114	7-17	825A / 835A	WADDICOR	35.0	14.0	1.25	2.95	17.5		.6	10	0	FC37
1115	7-23	325P / 337P	"	43.0	21.4	1.59	3.16	34.1		.6	11	0	"
1116	7-24	825A / 837A	"	38.0	13.6	1.23	2.98	16.8		.6	10	0	"
1117	7-31	821A / 831A	"	36.0	14.0	1.23	2.95	17.2		.6	9	0	"
1118	8-7	810A / 826A	BREWSTER	33.0	13.5	1.31	2.96	17.7		.6	7	0	FC12
1119	8-11	1058A / 1120A	"	42.0	21.0	1.57	3.12	32.9		.6	8	0	"
1120	8-14	806A / 822A	"	34.0	13.4	1.21	2.92	16.2		.6	6	0	"
1121	8-21	806A / 822A	"	28.0	12.6	1.39	2.95	17.5		.6	6	0	"
1122	8-28	840A / 850A	WADDICOR	37.0	12.6	1.28	2.95	16.1		.6	8	0	FC37
1123	9-4	800A / 810A	"	37.0	13.3	1.39	2.96	18.5		.6	8	0	"
1124	9-11	820A / 830A	"	33.0	13.9	1.25	2.95	17.4		.6	8	0	"
1125	9-18	828A / 838A	"	28.5	14.1	1.41	2.99	19.9		.6	8	0	"
1126	9-25	840A / 850A	"	31.0	11.8	1.47	2.97	17.3		.6	9	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	28	29	32	34	37	55	37	32	33	28	27
2	23	28	28	38	34	38	108	34	30	33	28	28
3	24	29	29	176	315	34	40	33	33	31	31	28
4	25	27	29	305	57	35	40	35	33	31	30	28
5	24	29	30	322	47	37	38	32	34	32	32	28
6	27	41	30	314	44	38	43	31	32	32	33	28
7	25	31	30	230	40	37	41	31	31	31	34	28
8	27	29	30	237	40	37	40	31	33	33	32	28
9	26	29	29	186	37	38	43	30	31	33	35	28
10	26	30	30	180	34	37	41	32	32	32	33	28
11	26	28	36	183	40	37	38	33	32	32	32	62
12	27	29	29	186	39	37	38	32	32	33	32	160
13	27	28	29	183	40	61	39	33	31	32	30	255
14	27	28	29	186	39	38	38	34	32	30	28	266
15	27	28	28	180	49	39	41	34	32	30	27	159
16	28	27	27	183	41	38	40	34	27	30	28	310
17	30	29	26	146	38	37	38	33	30	31	27	322
18	28	28	26	146	40	37	38	33	28	28	28	296
19	26	27	25	132	38	211	37	31	27	30	28	244
20	28	26	25	130	40	128	38	34	28	30	28	198
21	26	26	370	143	38	47	34	34	30	28	28	201
22	28	26	1210	124	40	44	37	34	31	28	30	201
23	28	26	572	47	37	43	37	33	30	27	30	208
24	27	28	a 29	35	38	35	35	34	32	28	31	217
25	24	28	a 31	37	39	40	35	33	32	28	28	230
26	24	28	a 27	41	39	37	35	31	34	27	31	237
27	26	28	a 27	37	38	39	35	33	33	28	28	63
28	25	27	28	38	38	123	33	32	35	28	27	31
29	47	29	26	34		122	35	32	34	30	28	24
30	52	28	26	35		674	34	31	31	27	28	24
31	30		30	32		159		32		27	28	
	862		2950	1393		1224			942		921	
		853		4280		2394		1016		933		3987
MEAN	27.8	28.4	95.2	138.	49.8	77.2	40.8	32.8	31.4	30.1	29.7	133.
ACRE-FEET	1,710	1,690.	5,850.	8,490.	2,760.	4,750.	2,430.	2,020.	1,870.	1,850.	1,830.	7,910.

Remarks:

YEAR OR PERIOD MEAN 59.6
ACRE-FEET 43,160.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

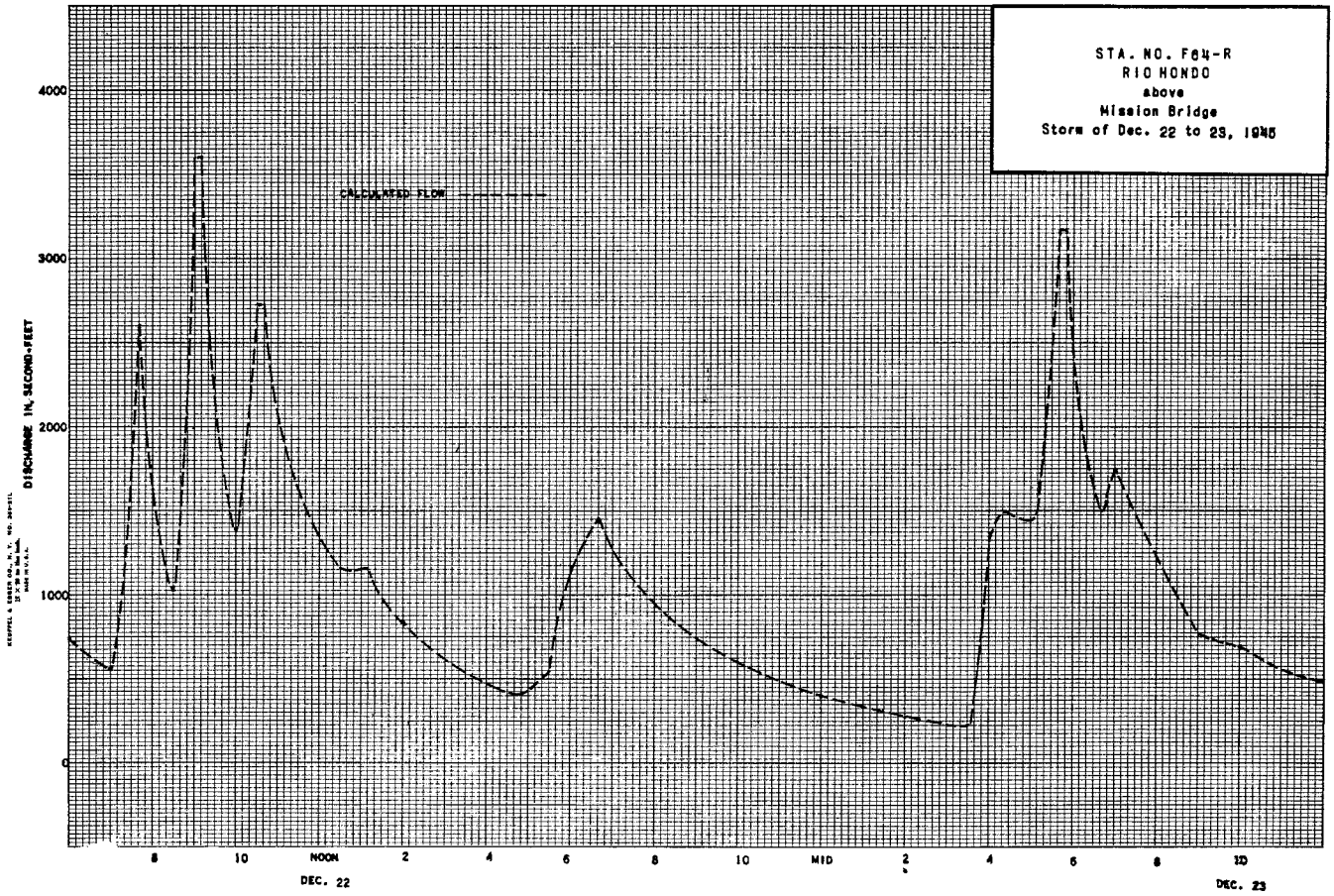
Sta. No. F 64-R

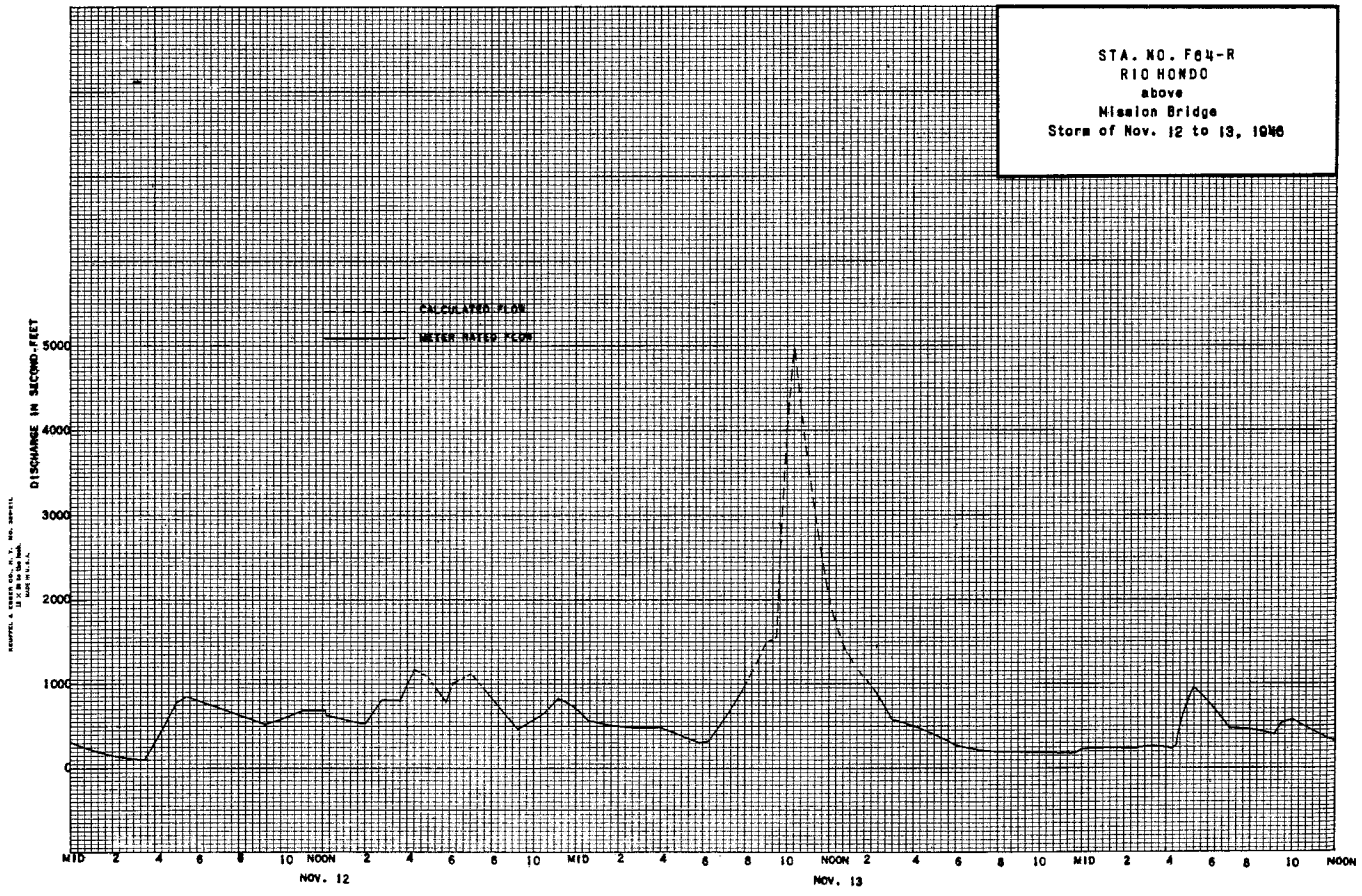
Daily discharge, in second-feet of RIO HONDO above Mission Bridge, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	138	41	286	53	45	52	47	44	36	37	36	31
2	39	39	295	65	44	49	45	44	42	34	39	34
3	37	34	288	49	45	51	63	42	37	34	36	33
4	34	36	208	23	44	48	50	37	37	33	37	34
5	36	37	199	22	49	79	53	41	39	36	36	36
6	34	37	193	28	47	47	47	41	39	34	36	36
7	39	39	266	33	50	47	49	42	41	39	34	34
8	39	61	194	36	52	45	49	41	41	39	42	37
9	41	42	185	45	115	44	44	41	42	39	34	37
10	37	39	185	45	55	44	44	43	44	41	23	37
11	36	87	193	45	57	42	39	34	45	41	25	37
12	37	647	190	47	55	41	44	41	41	39	28	39
13	34	866	190	49	53	39	37	34	41	37	33	37
14	37	276	198	50	53	39	41	42	39	37	36	34
15	37	54	208	45	52	44	39	41	36	34	37	39
16	80	53	205	50	50	42	37	42	39	33	36	37
17	41	50	105	50	64	49	37	42	39	34	33	44
18	41	50	47	50	50	50	37	41	37	34	37	41
19	42	52	41	39	50	52	39	42	37	34	36	39
20	42	657	42	44	50	57	41	42	39	25	36	39
21	42	101	41	45	52	65	44	42	36	28	36	34
22	42	85	39	47	53	60	44	42	29	25	41	39
23	42	348	41	47	45	53	44	44	33	25	41	41
24	41	133	60	45	49	53	42	44	34	34	34	41
25	39	91	811	45	52	52	45	36	28	36	39	39
26	41	81	634	41	52	49	42	42	39	36	39	44
27	57	170	426	45	53	47	41	65	42	36	39	39
28	44	370	244	100	53	70	42	37	39	39	34	37
29	42	348	156	53		47	44	41	34	39	34	41
30	41	301	76	50		42	42	39	39	39	33	42
31	41		57	47		45		39		37	29	
	1373		6303	1489		1312			1144		1089	
		5225		1433		1544		1288		1088		1132
MEAN	44.3	174	203	46.2	53.2	49.8	43.7	41.5	38.1	35.1	35.1	37.7
ACRE-FEET	2,720	10,350	12,500	2,840	2,950	3,060	2,600	2,550	2,270	2,160	2,160	2,250

Remarks:

YEAR OR PERIOD MEAN 66.9
ACRE-FEET 48,420


STA. NO. F64-R
RIO HONDO
above
Mission Bridge
Storm of Dec. 22 to 23, 1945
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
4000
3000
2000
1000
0
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
DEC. 22
DEC. 23


STA. NO. F64-R
RIO HONDO
above
Mission Bridge
Storm of Nov. 12 to 13, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
5000
4000
3000
2000
1000
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
NOV. 12
NOV. 13

STATION F45-R
RIO HONDO at Stewart & Gray Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'40", LONG. 118°09'50", ON THE DOWNSTREAM SIDE OF HIGHWAY BRIDGE, 0.5 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 89.91 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CLAY AND SAND BETWEEN GRANITE RIPRAP LEVEE ON LEFT (EAST) BANK AND EARTH LEVEE ON RIGHT BANK. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE; HIGH FLOWS MEASURED FROM CABLE CAR 250 FEET ABOVE STATION.

RECORDER: INSTALLED MARCH 1, 1928. OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AÜ CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

RECORDS AVAILABLE: MARCH, 1928 TO SEPTEMBER 30, 1947. (FOR RECORDS PRIOR TO MARCH, 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 427D SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW AT VARIOUS TIMES.

1946-1947
MAXIMUM 5,950 SECOND-FEET NOVEMBER 13.
MINIMUM NO FLOW AT VARIOUS TIMES.

1929-1947
MAXIMUM 24,400 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF RIO HONDO

AT Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
687	10/4	855A / 901A	BONADIMAN	10.0	5.60	1.14	4.82	6.4		.6	5	0	FC19
688	10/11	857A / 903A	"	12.0	3.40	1.12	4.78	3.8		.6	4	0	"
689	10/18	850A / 858A	"	18.0	6.45	1.38	4.93	8.9		.6	5	0	"
690	10/24	200P / 210P	MOON BONADIMAN	9.0	3.49	1.04	4.75	3.6		.6	6	0	FC22
691	11/1	832P / 840P	BONADIMAN	5.5	4.25	1.29	4.84	5.5		.6	5	0	FC19
692	11/8	830A / 838A	"	7.0	4.15	1.13	4.79	4.7		.6	5	0	"
693	11/15	843A / 853A	"	7.0	3.35	1.22	4.73	4.1		.6	5	0	"
694	11/21	848A / 858A	"	6.5	3.70	1.49	4.80	5.5		.6	4	0	"
695	11/29	907A / 915A	"	8.0	3.40	1.00	4.76	3.4		.6	4	0	"
696	12/6	840A / 852A	"	13.0	6.40	1.16	4.85	7.4		.6	5	0	"
697	12/13	837A / 847A	"	12.0	6.15	0.89	4.87	5.5		.6	5	0	"
698	12/22	450A / 520A	BONADIMAN KASIMOFF	130.0	825.	7.40	7.14	2400.		.6	8	-.08	"
699	12/23	942A / 1015A	KASIMOFF BONADIMAN	115.0	259.	7.16	6.67	1860.		.6	9	-.20	"
700	12/24	1020A / 1030A	BONADIMAN	30.0	25.1	2.52	5.14	63.2		.6	6	0	"
701	12/27	902A / 915A	"	10.0	2.70	1.00	4.62	2.7		.6	5	0	"
702	1/8	305P / 330P	BEAM	52.0	31.2	1.41	5.18	43.8		.6	17	0	FC46
703	1/10	820A / 838A	BONADIMAN	TWO CHANNELS			5.28	64.3		.6	12	0	FC19
704	1/13	210P / 226P	"	45.0	36.8	1.38	5.33	50.6		.6	10	0	"
705	1/15	1240P / 1256P	"	56.0	42.4	1.88	5.43	79.8		.6	11	0	"
706	1/17	300P / 316P	"	43.0	24.3	1.62	5.31	39.3		.6	9	0	"
707	1/18	245P	KOCH	47.0	27.0	1.30	5.32	35.3		.6	12	0	FC34
708	1/19	254P / 310P	BONADIMAN	38.0	20.6	1.70	5.31	35.0		.6	9	0	FC19
709	1/21	200P / 220P	"	TWO CHANNELS			5.34	35.0		.6	14	0	"
710	1/24	820A / 826A	BONADIMAN	4.0	0.60	0.67	4.94	0.4		.6	2	0	FC19
711	1/31	832A / 842A	"	14.0	4.80	1.02	5.04	4.9		.6	5	0	"
712	2/3	242P / 303P	"	120.0	238.	6.65	6.67	1580.		.6	8	0	"
713	2/4	354P / 408P	"	36.0	19.5	0.95	5.14	18.6		.6	6	0	"
714	2/7	835A / 845A	"	37.0	11.2	0.82	4.98	9.2		.6	6	0	"
715	2/14	800A / 812A	"	16.0	5.70	0.48	4.83	2.7		.6	4	0	"
716	2/21	836A / 843A	"	8.0	4.15	0.55	4.69	2.3		.6	4	0	"
717	3/14	836A / 843A	"	16.0	5.60	0.75	4.88	4.2		.6	4	0	"
718	3/19	942A / 1005A	"	108.0	106.	4.99	5.74	529.		.6	10	+.09	"
719	3/20	1042A / 1100A	"	34.0	18.0	1.37	5.15	24.7		.6	9	0	"
720	3/21	850A / 901A	KASIMOFF BONADIMAN	16.0	10.8	1.44	5.07	15.6		.6	7	0	"
721	3/28	946A / 952A	BONADIMAN	12.0	6.20	0.85	4.85	5.3		.6	4	0	"
722	3/28	1137A / 1153A	"	105.0	93.0	3.28	5.78	305.		.6	8	+.09	"
723	3/29	146P / 200P	"	46.0	31.4	1.61	5.23	50.4		.6	8	0	"
724	3/30	720A / 740A	BONADIMAN KASIMOFF	120.0	228.	7.28	6.73	1760.		.6	8	+.01 -.11	"
725	3/31	832A / 858A	KASIMOFF BONADIMAN	115.0	74.5	1.84	5.62	137.		.6	10	0	"
726	4/4	922A / 932A	BONADIMAN	33.0	14.3	0.85	5.03	12.1		.6	8	0	"
727	4/11	852A / 900A	"	16.0	5.60	0.62	4.92	3.5		.6	4	0	"
728	4/25	820A	"				4.76	0					
729	5/2	927A / 933A	"	11.0	6.35	0.65	4.97	4.1		.6	4	0	"
730	5/9	856A / 906A	"	14.0	7.65	1.17	4.98	9.0		.6	5	0	"
731	5/16	922A / 932A	"	14.0	7.60	1.23	4.98	9.4		.6	6	0	"
732	5/29	836A / 846A	"	13.0	5.20	1.00	4.95	5.2		.6	5	0	"
733	6/13	850A / 856A	BONADIMAN	12.0	5.45	0.88	4.94	4.8		.6	5	0	FC19
734	6/21	814A / 826A	"	23.0	7.95	1.12	5.01	8.9		.6	7	0	"
735	7/3	847A / 857A	"	11.0	3.80	0.97	4.98	3.7		.6	5	0	"
736	7/18	834A / 843A	"	10.0	3.50	1.00	4.87	3.5		.6	4	0	"
737	8/2	802A / 815A	"	21.0	8.70	0.90	4.99	7.8		.6	5	0	"
738	9/5	850A / 900A	WADDICOR	9.9	4.02	1.00	5.12	4.0		.6	7	.03	FC37
739	9/13	830A / 840A	"	11.0	4.35	1.03	5.12	4.5		.6	7	0	"
740	9/19	910A / 920A	"	10.0	3.18	0.56	5.00	1.8		.6	6	-.02	"
741	9/26	855A / 907A	"	10.0	5.63	0.91	5.15	5.1		.6	6	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO

AT Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
742	10-3	904A / 908A	BONADIMAN	4.0	0.80	0.58	4.98	0.46	.6	2	0	FC19	
743	10-17	912A / 919A	"	6.0	2.71	0.59	5.20	1.6	.6	4	0	"	
744	10-24	832A / 838A	"	7.0	3.75	0.75	5.26	2.8	.6	4	0	"	
745	11-7	840A / 846A	"	8.0	4.00	0.59	5.28	2.4	.6	4	0	"	
746	11-12	255P / 305P	BONADIMAN - LANG	115.	177.	1.77	6.73	313.	.6	10	+.10	"	
747	11-12	640P / 708P	" "	150.	412.	3.57	7.75	1470.	.6	10	+.50	"	
748	11-13	1140A / 1200N	" "	165.	807.	6.28	10.20	5070	SURF FLOATS	8	-.40	"	
749	11-14	945A / 1000A	" "	105.	141.	4.13	6.11	583.	.6	9	-.06	"	
750	11-15	1052A / 1100A	BONADIMAN	15.0	12.2	2.06	4.58	25.1	.6	5	0	"	
751	11-20	1012A / 1032A	"	145.	329.	7.45	7.28	2450.	.6	10	+.12	"	
752	11-21	1000A / 1012A	"	27.0	28.3	3.57	5.30	101.	.6	8	0	"	
753	11-23	1124A / 1135A	BONADIMAN - LANG	110.	244.	7.13	6.79	1740.	.6	9	+.18	"	
754	11-24	954A / 1008A	BONADIMAN	24.0	22.8	2.84	5.27	64.9	.6	7	0	"	
755	11-27	927A / 933A	"	10.0	4.30	0.75	4.72	3.2	.6	4	0	"	
756	12-6	912A / 928A	"	TWO CHANNELS			5.07	37.1	.6	12	0	"	
757	12-6	425P / 440P	"	110.	92.5	3.94	5.77	365.	.6	8	0	"	
758	12-7	952A / 1006A	"	45.0	20.5	1.94	4.87	39.7	.6	7	0	"	
759	12-12	930A / 942A	"	55.0	39.6	2.16	5.27	85.7	.6	9	0	"	
760	12-19	926A / 936A	"	26.0	13.4	1.27	4.94	17.0	.6	6	0	"	
761	12-26	847A / 900A	"	110.	134.	4.83	5.71	647.	.6	7	-.02	"	
762	12-27	917A / 930A	BONADIMAN - LANG	110.	113.	4.96	5.38	561.	.6	8	-.13	"	
763	1-2	942A / 952A	BONADIMAN	16.0	17.0	1.69	4.90	28.7	.6	6	0	"	
764	1-9	950A / 956A	"	10.0	8.85	1.34	4.79	11.8	.6	4	0	"	
765	1-16	932A / 943A	"	26.0	11.5	0.84	4.78	9.7	.6	7	0	"	
766	1-23	930A / 946A	"	TWO CHANNELS			4.71	7.3	.6	9	0	"	
767	1-29	935A / 947A	"	30.0	14.6	0.87	4.78	12.7	.6	8	0	"	
768	2-6	906A / 914A	"	18.0	5.90	0.75	4.65	4.4	.6	5	0	"	
769	2-9	925P / 940P	BONADIMAN - LANG	100.0	107.	4.49	5.50	480.	.6	8	-.01	"	
770	2-10	932A / 942A	" "	35.0	13.5	1.10	4.80	14.9	.6	7	0	"	
771	2-13	902A / 912A	BONADIMAN	17.0	5.23	0.67	4.63	3.5	.6	5	0	"	
772	2-20	852A / 900A	"	12.0	3.32	0.84	4.62	2.8	.6	5	0	"	
773	3-5	940A / 950A	"	TWO CHANNELS			4.96	67.9	.6	7	0	"	
774	3-6	908A / 920A	"	32.0	10.3	0.85	4.74	8.8	.6	9	0	"	
775	3-13	922A / 932A	"	21.0	5.21	0.69	4.61	3.6	.6	6	0	"	
776	3-20	922A / 930A	"	9.0	2.35	0.73	4.57	1.7	.6	4	0	"	
777	3-27	932A / 942A	"	20.0	7.50	0.84	4.69	6.3	.6	6	0	"	
778	4-3	912A / 918A	"	9.0	3.15	0.60	4.70	1.9	.6	4	0	"	
779	4-10	917A / 925A	"	17.0	4.45	0.54	4.66	2.4	.6	5	0	"	
780	4-17	932A / 938A	"	17.0	5.35	0.56	4.62	3.0	.6	4	0	"	
781	4-23	932A / 938A	"	9.0	3.85	0.88	4.64	3.4	.6	4	0	"	
782	5-1	920A / 930A	"	29.0	8.20	0.85	4.67	7.0	.6	7	0	"	
783	5-8	927A / 933A	"	6.0	2.08	0.58	4.57	1.2	.6	4	0	"	
784	5-15	907A / 916A	"	16.0	5.05	0.83	4.62	4.2	.6	5	0	"	
785	5-22	930A / 940A	"	20.0	5.58	0.63	4.64	3.5	.6	6	0	"	
786	6-5	922A / 934A	"	22.0	5.27	0.78	4.68	4.1	.6	8	0	"	
787	6-12	910A / 920A	"	21.0	6.12	0.78	4.69	4.8	.6	7	0	"	
788	6-19	/ 915A	"				4.54	EST .10					
789	7-3	912A / 922A	"	24.0	7.21	0.78	4.76	5.6	.6	7	0	"	
790	7-24	922A / 927A	"	6.0	3.25	0.89	4.74	2.9	.6	3	0	"	
791	8-7	930A / 936A	"	5.0	3.14	0.61	4.76	1.9	.6	4	0	"	
792	8-21	932A / 940A	"	15.0	4.00	0.68	4.96	2.7	.6	6	0	"	
793	9-3	750A / 800A	WADDICOR	5.0	2.63	0.87	5.09	2.3	.6	5	0	FC37	
794	9-10	810A / 820A	"	5.5	2.68	0.75	5.15	2.0	.6	4	0	"	
795	9-17	815A / 825A	"	5.0	2.22	0.63	5.10	1.4	.6	5	0	"	
796	9-24	825A / 835A	"	4.0	2.15	0.79	5.17	1.7	.6	4	0	"	

F. C. Dist. Form 33 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45-R

Daily discharge, in second-feet of RIO HONDO at Stewart and Gray Road for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.3	7.1	6.7	0.6	5.6	1.2	2.4	6.7	4.9	4.2	4.6	3.9
2	5.6	6.4	7.4	0.5	3.9	1.2	7.4	5.3	3.7	3.4	6.0	3.1
3	6.0	5.3	8.3	0.4	221	0.6	1.7	6.0	4.6	3.1	5.6	3.4
4	6.4	1.3	7.6	0.1	3.6	0.2	1.1	6.0	5.3	3.1	6.0	2.6
5	6.0	4.6	3.1	0.1	1.3	0.5	7.1	6.7	4.9	2.8	5.6	2.8
6	6.4	5.3	4.6	25	9.3	0.4	6.0	5.3	4.6	3.4	4.6	3.1
7	6.0	4.9	7.1	4.4	7.1	0.7	5.6	6.4	4.2	4.2	5.3	3.4
8	6.0	6.0	4.6	5.3	4.6	0.5	2.6	9.8	3.7	4.2	6.4	3.4
9	6.0	5.3	6.4	5.6	3.4	0.4	2.3	8.8	3.9	4.2	7.1	1.5
10	6.0	6.4	6.4	4.9	3.1	0	1.5	8.8	3.4	4.2	4.6	1.4
11	6.0	3.9	5.6	5.8	2.3	0.2	1.4	6.0	3.9	3.1	4.9	1.8
12	6.0	1.1	5.3	4.9	2.3	0.1	1.0	6.7	4.6	3.9	4.9	2.8
13	6.0	1.8	7.4	6.4	1.8	1.4	1.1	7.8	4.2	3.1	4.9	4.2
14	6.0	1.8	7.1	7.1	1.5	5.6	0	6.4	4.2	3.1	3.4	4.6
15	6.0	3.4	6.7	7.9	1.8	1.0	0	8.8	4.9	3.7	2.6	2.6
16	6.0	3.7	7.4	7.4	6.9	1.3	0	9.3	3.9	3.9	3.9	1.3
17	6.0	7.4	7.4	5.1	3.1	0.9	1.4	8.8	3.9	3.9	4.2	2.8
18	6.7	6.7	7.4	3.8	1.5	1.3	0	7.4	4.2	3.7	5.6	4.6
19	7.8	7.4	8.3	3.3	3.1	145	0	8.8	5.3	4.6	5.6	4.2
20	4.9	6.7	7.8	3.2	2.3	8.6	0	7.8	6.4	4.2	4.2	3.9
21	6.7	5.6	5.7	4.1	2.0	1.2	0	4.9	6.0	4.2	3.7	3.7
22	9.3	6.4	1130	2.5	1.2	2.8	0	6.0	4.2	4.6	3.7	5.3
23	7.4	6.7	756	7.8	1.5	0.9	+	+	4.2	5.3	4.2	4.9
24	5.3	5.6	75	0.4	1.4	0.6	+	5.6	4.2	4.2	4.6	5.6
25	6.7	5.6	1.5	0.5	1.1	0.5	+	5.6	3.7	2.0	4.9	4.2
26	5.6	5.6	3.9	0.6	1.3	0.4	3.1	5.6	3.9	5.6	2.3	4.6
27	5.3	6.0	2.0	0.7	1.2	0.4	5.3	6.0	4.6	5.3	3.7	12
28	5.6	4.6	2.0	0.9	1.0	72	0	4.2	4.2	6.0	2.3	5.3
29	7.1	6.7	2.6	1.8		35	3.1	4.9	4.2	6.0	2.6	3.9
30	4.6	8.6	1.0	2.6		575	6.7	5.3	4.6	6.7	1.8	3.1
31	6.7		0.9	4.2		114		4.9		6.4	3.7	
	191.4	158.1	2178.2	86.32	344.3	106.21	174.2	200.6	132.5	130.3	137.5	114.0
MEAN	6.17	5.27	70.3	27.8	12.3	34.3	5.81	6.47	4.42	4.20	4.43	3.80
ACRE-FEET	380.	314.	4,320.	1,710.	683.	2,110.	346.	398.	263.	258.	273.	225.

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

YEAR OR PERIOD MEAN 15.6
ACRE-FEET 11,281.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

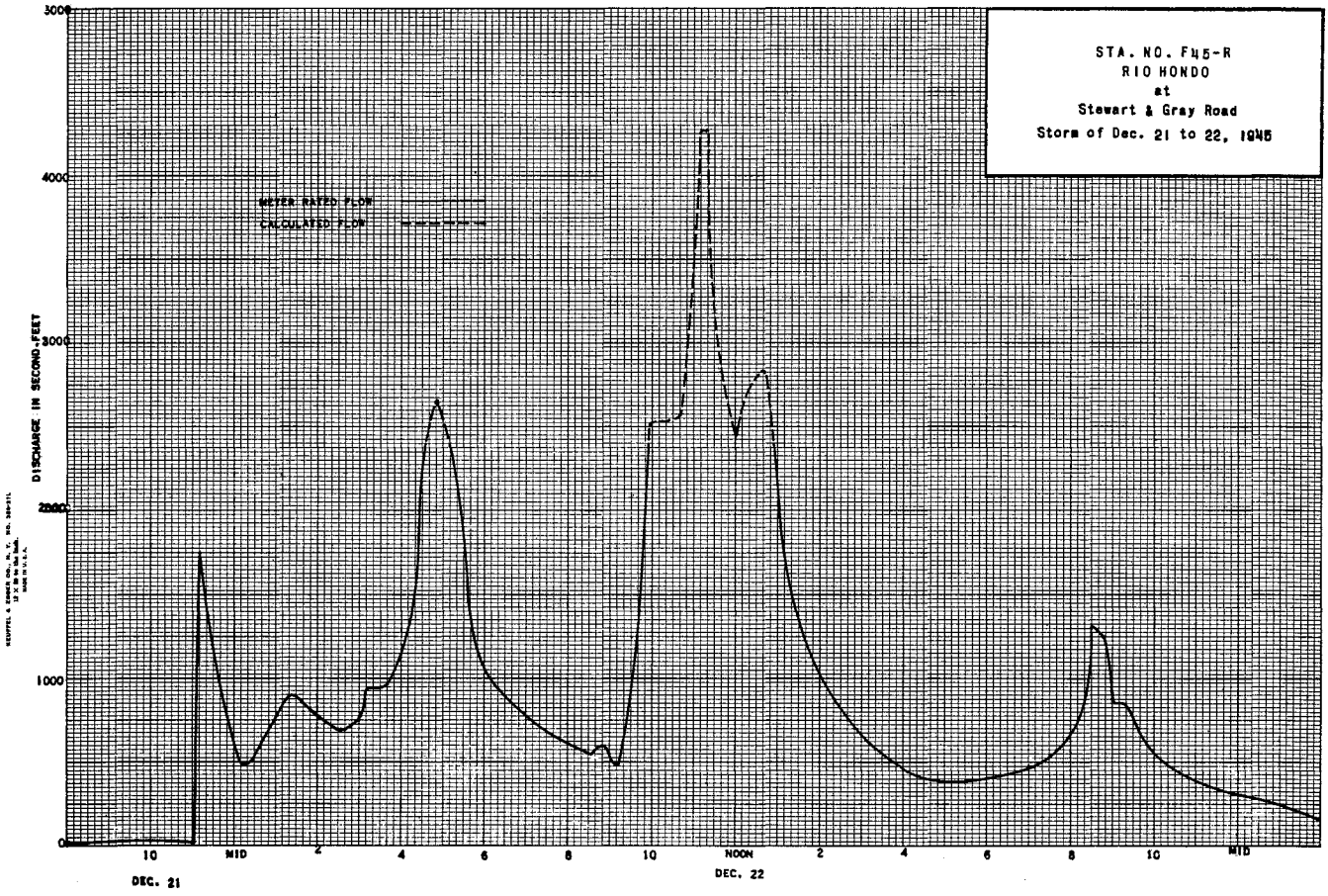
Sta. No. F 45-R

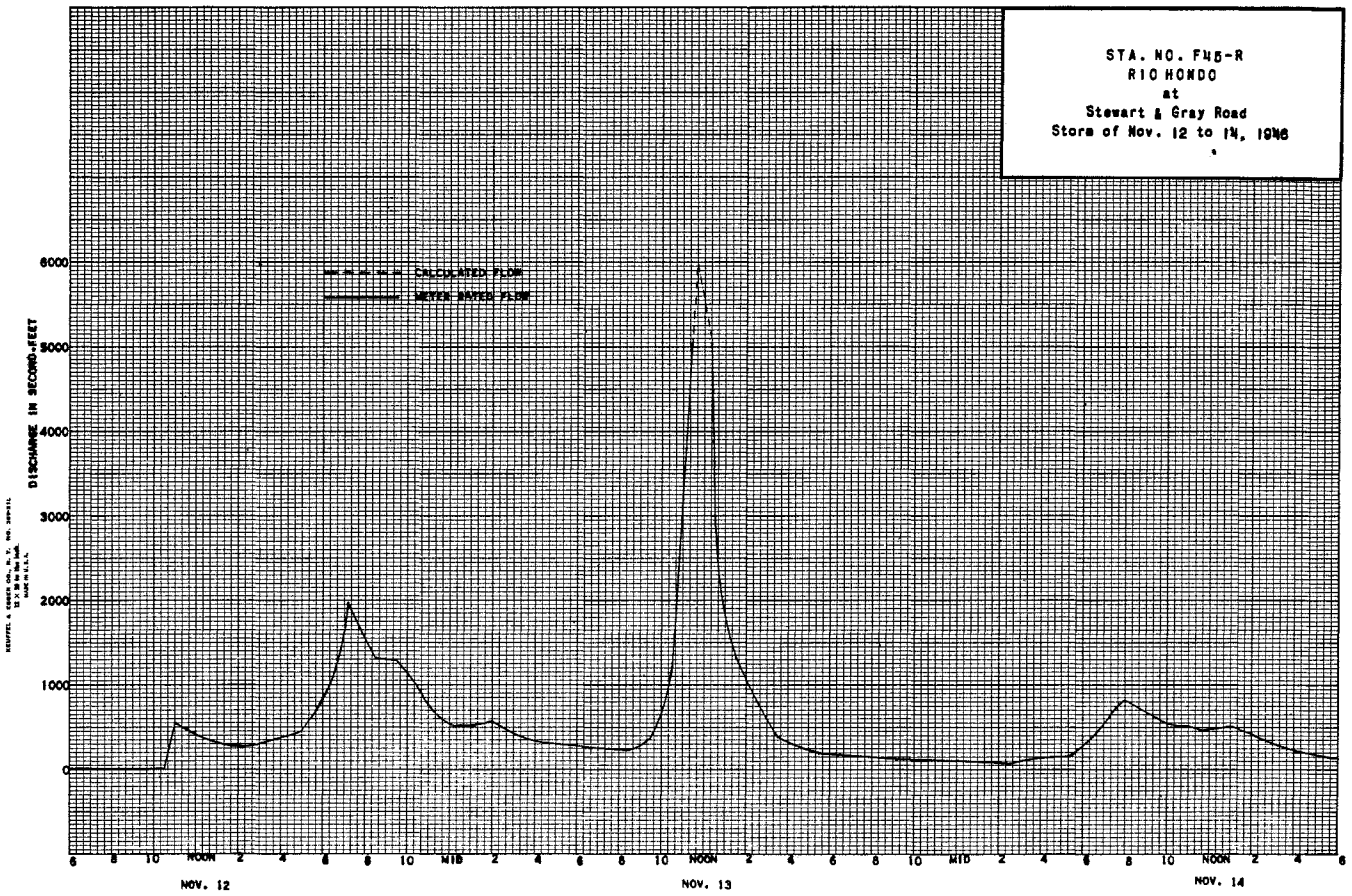
Daily discharge, in second-feet of RIO HONDO at Stewart and Gray Road, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.4	2.4	a 20	37	3.7	2.3	1.8	5.6	1.6	2.3	0.4	+
2	3.7	2.2	a 23	29	2.7	1.8	2.7	3.2	2.3	1.6	0.8	+
3	0.7	2.0	a 27	28	1.8	2.7	1.6	5.1	2.7	1.2	1.0	+
4	1.3	1.9	a 30	26	1.8	4.2	3.2	3.2	2.3	0.2	0.8	+
5	2.6	2.2	a 33	18	1.0	4.5	1.4	2.7	3.2	1.0	0.6	+
6	4.0	2.9	14.9	16	2.3	5.6	1.4	1.0	2.7	1.2	0.8	+
7	3.7	2.0	3.3	18	2.7	2.3	1.4	2.3	3.7	1.0	1.6	+
8	3.2	1.9	7.7	16	3.2	2.7	2.3	2.3	3.2	0.8	3.7	+
9	3.7	1.7	5.6	a 12	5.1	1.6	2.7	2.7	2.7	0.8	4.6	+
10	4.8	1.9	6.6	a 11	2.3	1.0	1.8	3.2	1.6	1.0	3.7	0.6
11	4.5	1.9	6.9	11	5.1	1.4	1.8	2.3	1.6	1.8	0.4	0.4
12	3.2	42.8	8.6	9.9	4.1	1.8	1.8	3.2	2.7	1.4	0	1.0
13	4.5	75.7	8.3	11	1.8	1.2	1.4	1.8	1.4	3.7	1.0	1.4
14	3.7	27.2	9.2	12	0.8	0.6	1.8	2.7	0.6	2.7	1.6	1.0
15	3.1	3.1	8.6	9.9	0.8	1.4	1.8	3.2	1.0	2.3	1.6	1.4
16	2.7	b 31	9.2	9.9	0	0.4	3.2	5.1	1.0	2.7	3.2	1.2
17	2.0	b 28	8.3	9.9	0	0.2	2.3	2.7	1.8	1.4	1.6	
18	2.4	b 29	2.8	8.2	5.1	0.4	2.7	5.6	1.2	1.2	1.6	1.6
19	2.6	b 31	1.5	11	0.8	0.8	2.7	4.6	2.3	0.8	1.6	5.1
20	3.1	76.3	1.5	6.5	0.8	2.7	4.2	5.1	2.7	2.3	2.7	2.3
21	3.7	9.8	1.3	7.4	0.8	4.6	2.7	4.6	1.0	0.6	2.3	1.2
22	2.7	3.1	9.9	7.4	0.8	5.6	2.3	3.7	2.7	0.6	3.2	0.8
23	4.2	56.1	8.2	7.4	0.6	5.6	2.7	3.2	1.8	2.3	3.2	0.8
24	3.2	6.2	1.2	7.4	0.6	5.6	3.2	1.8	1.8	1.0	5.6	0.4
25	3.1	9.1	72.6	6.0	1.6	2.7	1.8	2.7	2.3	1.8	5.1	0.4
26	2.7	2.3	92.3	5.6	1.0	3.2	2.7	3.2	1.8	0.4	3.2	1.6
27	3.2	a 5.8	49.3	6.0	0.6	5.6	3.7	1.6	1.2	0.8	2.3	0.4
28	2.2	a 9.2	18.5	5.0	1.6	5.6	2.7	1.2	0.6	1.6	5.1	1.0
29	2.4	a 13	11.4	13		5.1	3.7	3.2	0.8	0.2	2.9	3.2
30	2.6	a 16	5.9	6.0		2.3	4.6	2.3	0.8	0.4	0.8	1.0
31	2.9		4.1	5.1		1.6		1.6		0.2	0.6	
	97.8	3200.4	3742.1	431.6	120.1	127.6	74.1	96.7	57.1	41.3	67.6	26.8
MEAN	3.15	107	121	13.9	4.29	4.12	2.47	3.12	1.90	1.33	2.18	0.89
ACRE-FEET	194	6,350	7,420	856	238	253	147	192	113	82	134	53

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

YEAR OR PERIOD MEAN 22.1
ACRE-FEET 16,030





STATION U1¼-R
ROCK CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'10", LONG. 117°50'17", IN NE 1/4 SEC. 20, T. 4 N., R. 9 W., 1-3/4 MILES SOUTHEAST OF VALYERMO. ALTITUDE OF GAGE ABOUT 4,050 FEET.

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937, MAY 1938 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 22 YEARS (1923-37, 1938-46, 16.9 SECOND-FEET.
23 " " " " 47 17.1 " "

EXTREMES:

1945-1946
MAXIMUM DISCHARGE 650 SECOND-FEET DECEMBER 21, (GAGE HEIGHT 4.17 FEET).
MINIMUM 4.8 SECOND-FEET DECEMBER 2-6.

1946-1947
MAXIMUM DISCHARGE, 900 SECOND FEET DECEMBER 26 (GAGE HEIGHT, 4.58 FEET).
MINIMUM 5.5 SECOND FEET OCTOBER 20-27.

1923-1947
MAXIMUM DISCHARGE, 8,300 SECOND-FEET MARCH 2, 1938, BY SLOPE-AREA METHOD.
MINIMUM 1.2 SECOND-FEET AUGUST 22, 1925.

REMARKS: RECORDS FAIR. NO DIVERSIONS ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 33 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF ROCK CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
723	10/5		U.S.G.S.	11.4	4.36	1.33	2.16	5.8		.6	12	0	
724	10/15	140P / 150P	TURNER / HUGHES	10.5	4.43	1.41	2.15	6.2		.6	6	0	FC43
725	10/19		U.S.G.S.	11.2	4.43	1.31	2.14	5.8		.6	11	0	
726	11/6		"	10.	4.27	1.48	2.17	6.3		.6	10	0	
727	11/16	1225P / 1233P	TURNER / LINDSAY	10.8	4.73	1.42	2.20	6.7		.6	7		FC43
728	11/20		U.S.G.S.	11.7	5.0	1.36	2.20	6.8		.6	12	0	
729	12/4		"	11.2	3.96	1.26	2.18	5.0		.6	12	0	
730	12/12	245P / 255P	TURNER	10.8	4.32	1.37	2.19	5.9		.6	7		FC43
731	12/18		U.S.G.S.	10.4	4.05	1.43	2.18	5.8		.6	11	0	
732	12/24	130P / 145P	TURNER / PALMER	25.0	20.7	3.38	2.75	70.0		.6	12		FC43
733	12/25		U.S.G.S.	20	13.6	3.12	2.60	42.4		.6	16	0	
734	1/3		"	12.5	7.4	2.47	2.31	18.3		.6	13	0	
735	1/18		"	13.	6.2	2.00	2.25	12.4		.6	14	0	
736	1/30	145P / 155P	TURNER	13.	6.6	2.06	2.24	13.6		.6	7	0	FC43
737	2/5		U.S.G.S.	12.5	6.2	1.82	2.26	11.3		.6	13	0	
738	2/20		"	12.	5.9	1.95	2.25	11.5		.6	12	0	
739	2/25	255P / 305P	TURNER	14.5	7.1	1.68	2.25	11.9		.6	8	0	FC43
740	3/5		U.S.G.S.	11.7	6.2	2.06	2.25	12.8		.6	12	0	
741	3/20	220P / 230P	TURNER	12.	6.7	2.03	2.36	13.6		.6	7	0	FC43
742	4/5		U.S.G.S.	17.	12.3	2.97	2.49	36.5		.6	14	0	
743	4/9	315P / 330P	TURNER	20.5	15.9	2.87	2.51	45.6		.6	11	0	
744	4/19		U.S.G.S.	23.	18.5	3.48	2.69	64.4		.6	19	0	
745	5/3	1125A / 1135A	TURNER	18.	15.3	2.75	2.46	42.0		.6	10	0	
746	5/7		U.S.G.S.	17.0	11.5	2.69	2.43	30.9		.6	14	0	
747	5/28		"	14.0	12.5	1.99	2.33	24.9		.6	14	0	
748	6/5		"	14.0	11.9	1.98	2.32	23.6		.6	14	0	
749	6/12	320P / 330P	LUCE	21.5	11.4	2.28	2.29	26.0		.6	11	0	FC39
750	6/20		U.S.G.S.	14.	8.8	2.26	2.28	19.9		.6	13	0	
751	7/5		"	14.	10.1	1.52	2.23	15.4		.6	14	0	
752	7/10	335P / 345P	LUCE	19.	9.3	2.17	2.22	20.2		.6	9	0	FC39
753	7/18		U.S.G.S.	14.	8.8	1.90	2.22	16.7		.6	14	0	
754	7/31		"	14.	9.2	1.48	2.20	13.6		.6	14	0	
755	8/6		"	12.4	6.6	1.67	2.16	11.0		.6	12	0	
756	8/9	210P / 220P	LUCE	14.	7.8	1.51	2.13	11.8		.6	8	0	FC39
757	8/23		U.S.G.S.	11.5	5.8	1.53	2.11	8.9		.6	12	0	
758	9/6	755A / 805A	LUCE	12.5	6.7	1.49	2.11	10.0		.6	7	0	FC39
759	9/6		U.S.G.S.	11.1	5.2	1.33	2.10	6.9		.6	11	0	
760	9/25		"	11.5	5.1	1.22	2.08	6.2		.6	12	0	

DISCHARGE MEASUREMENTS OF ROCK CREEK

~~NEAR~~ above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
761	10-7		U.S.G.S.	10.	4.66	1.44	2.08	6.7		.6	10	0	
762	10-10	1110A / 1120A	LUCE	15.	5.0	1.32	2.07	6.6		.6	7	0	FC39
763	10-17		U.S.G.S.	12.	5.38	1.17	2.08	6.3		.6	12	0	
764	10-30		"	12.0	5.4	1.20	2.09	6.51		.6	12	0	
765	11-1	1120A / 1130A	LUCE	12.0	5.5	1.20	2.08	6.6		.6	7	0	FC39
766	11-5		U.S.G.S.	11.0	5.1	1.15	2.08	5.9		.6	11	0	
767	11-21		U.S.G.S.	26	17.6	3.12	2.63	55		.6	12	0	
768	11-25		"	20	15.1	3.49	2.67	52.8		.6	17	-.01	
769	12-12		"	22.	10.2	1.90	2.40	19.2		.6	11	0	
770	12-19	1145A / 1155A	LUCE	16.5	8.4	2.19	2.35	18.4		.6	7	0	FC39
771	12-26		U.S.G.S.	35	45.8	7.95	3.48	364		.6	11	0	
772	12-28	405P / 420P	LUCE - WRIGHT	44.	29.5	4.68	2.84	138		.6	12	0	FC39
773	1-3	905A / 920A	LUCE	19.	15.2	3.57	2.42	54.3		.6	10	0	"
774	1-7		U.S.G.S.	21.	11.7	2.87	2.40	33.6		.6	11	0	
775	1-16	1235P / 1250P	LUCE	18.5	11.5	3.18	2.34	35.6		.6	9	0	FC39
776	1-22		U.S.G.S.	17.5	10.2	2.88	2.33	29.4		.6	12	0	
777	1-31	110P / 125P	LUCE	18.0	11.2	2.90	2.27	32.5		.6	9	0	FC39
778	2-6	1145A / 1200N	"	16.0	9.9	2.79	2.27	27.6		.6	8	0	"
779	2-6		U.S.G.S.	15.0	9.6	2.64	2.26	25.3		.6	8	0	
780	2-11		"	16	9.3	2.48	2.28	23.1		.6	13	0	
781	2-21	315P / 325P	LUCE	17.0	9.8	2.49	2.22	24.4		.6	8	0	FC39
782	3-5		U.S.G.S.	16.	8.4	2.29	2.20	19.2		.6	13	0	
783	3-13	410P / 420P	LUCE	16.5	9.8	2.04	2.15	20.0		.6	9	0	FC39
784	3-18		U.S.G.S.	13.5	6.3	2.52	2.15	15.9		.6	13	0	
785	3-20	1255P / 105P	LUCE	17.	10.0	2.07	2.16	20.7		.6	8	0	FC39
786	4-4		U.S.G.S.	15.	9.0	2.26	2.16	20.3		.6	14	0	
787	4-4	300P / 310P	LUCE	16.	9.6	2.20	2.15	21.1		.6	8	0	FC39
788	4-16	330P / 345P	"	16.	9.6	2.11	2.15	20.3		.6	8	0	"
789	4-23		U.S.G.S.	15.	8.6	2.14	2.18	18.4		.6	13	0	
790	5-1	1130A / 1145A	LUCE	16.5	9.5	2.12	2.16	20.1		.6	8	0	FC39
791	5-6		U.S.G.S.	15.5	9.2	2.16	2.17	19.9		.6	14	0	
792	5-15	940A / 950A	LUCE	16.	9.1	1.79	2.15	16.3		.6	8	0	FC39
793	5-20		U.S.G.S.	14.5	8.6	1.93	2.12	16.6		.5 / .6	13	0	
794	6-4		"	13.	8.0	1.86	2.09	14.9		.6	12	0	
795	6-5	800A / 810A	LUCE	16.	9.2	1.75	2.10	16.1		.6	8	0	FC39
796	6-18		U.S.G.S.	14.5	8.2	1.74	2.08	14.3		.6	14	0	
797	7-7		"	16.	7.8	1.62	2.05	12.6		.5 / .6	16	0	
798	7-10	325P / 340P	LUCE	15.5	8.2	1.46	2.02	12.0		.6	8	0	FC39
799	7-25		U.S.G.S.	14.	6.40	1.88	1.99	12.0		.5 / .6	14	0	
800	8-5		"	15.0	6.6	1.70	2.00	11.2		.5 / .6	11	0	
801	8-14	425P / 440P	LUCE	14.	6.80	1.22	1.95	8.3		.6	8	0	FC39
802	8-19		U.S.G.S.	14	6.2	1.29	1.95	8.0		.6	11	0	
803	9-4		"	15	4.32	1.60	1.97	6.9		.5	15	0	
804	9-11	215P / 223P	LUCE	14.5	6.4	1.07	1.93	6.8		.6	8	0	FC39
805	9-15		U.S.G.S.	13.	5.5	1.07	1.93	5.9		.5 / .6	11	0	

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1N-R

Daily discharge, in second-feet of ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.8	7.1	5.3	20	12	13	83	45	25	15	12	8.8
2	5.8	7.1	4.8	19	12	13	65	43	25	15	12	9.5
3	5.8	7.1	4.8	19	16	13	51	43	25	14	12	9.5
4	5.3	7.1	4.8	17	12	13	42	42	24	14	11	8.8
5	5.8	7.1	4.8	17	11	13	40	37	24	15	12	8.8
6	6.4	7.1	4.8	16	11	12	42	35	24	16	11	8.2
7	6.4	7.1	5.3	15	11	12	45	32	26	17	11	8.2
8	6.4	7.1	5.3	15	11	12	45	32	27	21	11	8.2
9	6.4	7.1	5.8	14	11	11	47	32	27	22	12	8.2
10	5.8	7.1	5.8	13	11	11	53	32	28	23	12	8.2
11	5.8	6.4	5.8	13	11	11	57	30	28	22	12	7.0
12	5.8	7.1	5.8	13	11	11	61	30	28	21	11	7.0
13	5.8	7.1	5.3	13	11	11	61	30	27	19	11	7.0
14	5.8	6.4	5.3	13	11	11	61	29	26	19	11	6.5
15	5.8	6.4	5.8	12	11	11	63	29	26	18	10	6.5
16	5.8	6.4	5.8	12	11	11	70	29	24	18	10	7.0
17	5.8	6.4	5.8	12	11	11	79	29	23	17	10	7.0
18	5.8	6.4	5.8	12	11	11	74	28	22	18	9.5	6.5
19	5.8	7.1	5.8	12	11	16	70	26	21	17	9.5	6.0
20	5.8	7.1	5.3	12	11	14	61	28	19	17	9.5	6.0
21	5.8	7.1	118	12	11	12	51	28	18	16	9.5	5.5
22	5.8	7.1	385	13	11	12	47	26	18	14	9.5	5.5
23	5.8	7.1	285	13	12	12	45	28	18	14	9.5	5.5
24	5.8	6.4	86	13	12	12	45	26	17	15	9.5	5.5
25	5.8	6.4	41	13	12	12	49	26	17	15	9.5	6.0
26	5.8	6.4	30	13	12	12	53	28	17	14	8.8	6.0
27	5.8	6.4	28	14	12	12	51	28	16	14	8.8	6.0
28	5.8	5.8	25	14	12	13	49	26	16	13	9.5	6.0
29	6.4	5.8	24	13		15	47	26	16	13	9.5	6.5
30	8.4	5.3	22	13		227	45	25	16	13	8.8	6.5
31	6.4		21	13		126		25		13	8.8	
	185.5	201.6	1173.0	433	322	706	1652	953	668	512	321.2	211.9
MEAN	5.98	6.72	37.8	14.0	11.5	22.8	55.1	30.7	22.3	16.5	10.4	7.06
ACRE-FEET	368.	400.	2,330.	859.	639.	1,400.	3,280.	1,890.	1,320.	1,020	637.	420.

Remarks:

YEAR OR PERIOD MEAN 20.1
ACRE-FEET 14,560.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U1N-R

Daily discharge, in second-feet of ROCK CREEK above Mouth of Canyon, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.0	6.5	23	69	32	21	22	21	15	13	11	6.5
2	7.6	6.5	20	60	30	20	21	21	15	12	11	6.5
3	7.6	6.5	20	54	29	20	21	21	15	12	11	6.5
4	7.0	6.0	22	48	28	19	21	19	15	12	11	6.1
5	6.5	6.0	24	41	27	18	21	19	15	12	10	6.5
6	6.5	6.0	34	36	26	18	20	19	15	12	10	6.5
7	6.5	6.5	35	33	26	18	20	20	15	12	10	6.8
8	6.5	7.0	29	33	26	18	20	19	15	12	10	6.8
9	6.5	7.0	26	33	26	18	21	19	15	13	10	7.2
10	6.5	7.0	23	33	26	19	21	19	14	13	9.7	7.2
11	6.0	7.6	20	33	23	19	21	18	14	13	9.7	7.2
12	6.5	10	19	35	22	20	20	17	14	13	9.2	7.2
13	6.5	42	18	36	22	20	21	17	14	13	9.2	6.8
14	6.0	14	18	36	22	19	21	16	14	13	9.2	6.5
15	6.0	9.1	18	37	22	18	21	16	14	13	9.2	6.5
16	6.5	8.5	18	37	23	17	21	15	14	13	8.8	6.1
17	6.5	7.8	19	36	23	17	21	15	14	13	8.8	6.5
18	6.0	7.2	18	35	24	16	21	15	14	12	8.4	6.8
19	6.0	7.8	18	32	24	17	20	16	14	12	8.4	6.5
20	5.5	146	18	31	24	18	19	17	14	12	8.8	6.5
21	5.5	61	18	30	23	28	19	17	14	12	9.2	6.5
22	5.5	29	17	28	24	25	18	17	14	12	8.8	6.5
23	5.5	215	18	29	23	23	18	17	14	12	8.8	6.5
24	5.5	115	36	30	23	23	18	16	14	12	8.4	6.1
25	5.5	52	370	29	22	23	19	16	14	12	8.0	6.1
26	5.5	47	540	30	21	21	18	16	14	12	8.0	5.7
27	5.5	34	225	31	21	21	19	17	14	12	8.0	5.7
28	6.0	29	150	33	21	22	19	17	13	11	7.2	5.7
29	6.5	27	105	33		25	19	17	13	11	7.2	5.7
30	6.5	24	84	33		23	20	17	13	11	7.2	5.7
31	6.5		75	33		22		16		11	6.8	
	193.7	958.0	2078.0	1127.0	683.0	626.0	601.0	542.0	426.0	378.0	281.0	193.4
MEAN	6.25	31.9	67.0	36.4	24.4	20.2	20.0	17.5	14.2	12.2	9.06	6.45
ACRE-FEET	384	1900	4120	2240	1350	1240	1190	1080	845	750	557	384

Remarks:

YEAR OR PERIOD MEAN 22.2
ACRE-FEET 16040

STATION U8-R

ROGERS CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'55", LONG. 117°54'20", IN NW 1/4 NW 1/4 SEC. 23, T. 1N., R. 10 W., 0.5 MILE UPSTREAM FROM MOUTH AND 2.5 MILES NORTH OF AZUSA. ALTITUDE OF GAGE ABOUT 800 FEET.

DRAINAGE AREA: 6.4 SQUARE MILES.

RECORDS AVAILABLE: MAY 1916 TO JUNE 1917. (DISCHARGE MEASUREMENTS ONLY). OCTOBER 1917 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 29 YEARS, 3.42 SECOND-FEET.
30 " 3.41 " "

EXTREMES:
1945-1946
MAXIMUM DISCHARGE 400 SECOND-FEET DECEMBER 23. (GAGE HEIGHT 6.04 FEET).
NO FLOW SEVERAL PERIODS.
1946-1947
MAXIMUM DISCHARGE 271 SECOND FEET NOVEMBER 20 (GAGE HEIGHT 5.35 FEET).
NO FLOW DURING SEVERAL PERIODS.
1917-1947
MAXIMUM DISCHARGE ABOUT 2,600 SECOND-FEET APRIL 7, 1926. NO FLOW DURING PART OF EACH YEAR.

REMARKS: RECORDS GOOD. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY WITH THE EXCEPTION OF 14 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF ROGERS CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1330	10-10		U.S.G.S.	3.0	.67	.24	1.95	.16	.6	6	0		
1331	10-19		"	3.0	.58	.45	1.97	.26	.6	6	0		
1332	11-1		"	3.1	.54	.41	1.91	.22	.5	6	0		
1333	11-7		"	3.0	.80	.54	1.95	.43	.6	6	0		
1334	11-21		"	1.0	.35	.37	1.89	.13	.6	2	0		
1335	11-27		"	3.0	.42	.36	1.92	.15	.6	6	0		
1336	12-4		"	2.5	.33	.36	1.90	.12	.5	5	0		
1337	12-14		"	2.0	.52	.60	1.96	.31	.6	4	0		
1338	12-20		"	2.0	.40	.58	1.95	.23	.6	4	0		
1339	12-22		"	25.	32.7	4.89	4.60	160.		10	-.16		
1340	12-22		"	23.	24.0	3.78	3.85	90.8	.6	12	-.03		
1341	12-23		"	22.	25.6	4.69	4.41	120.	.6 .5	10	-.12		
1342	12-23		"	22.	21.6	3.18	3.84	68.7	.6	22	-.04		
1343	12-27		"	14.	5.4	1.26	2.77	6.8	.6	14	0		
1344	1-17		MOON	4.0	1.49	.96	2.49	1.43	.5	5	0		FC22
1345	1-31		U.S.G.S.	5.0	.96	.72	2.44	.69	.6	8	0		
1346	2-8		"	5.0	2.40	.93	2.51	2.24	.6	10	0		
1347	2-15		"	5.0	2.08	.76	2.46	1.59	.6	10	0		
1348	2-21		"	5.0	1.98	.74	2.45	1.47	.6	10	0		
1349	3-7		"	5.0	1.72	.69	2.40	1.18	.6	10	0		
1350	3-14		"	5.0	1.74	.80	2.43	1.39	.5	20	0		
1351	3-19		"	11.	4.36	.94	2.67	4.10	.6	16	+.02		
1352	3-21		"	12.3	5.6	0.46	2.58	2.55	.6	12	0		
1353	3-29		"	10.	4.76	.54	2.55	2.55	.6	12	0		
1354	3-30		"	26.5	24.3	4.32	3.99	105.	.6	13	+.10		
1355	3-31		"	13.5	13.4	2.38	3.28	31.9	.6	15	-.02		
1356	4-5		"	13.	7.6	1.21	2.83	9.2	.6	15	0		
1357	4-12		"	13.	6.3	.65	2.67	4.12	.6	14	0		
1358	4-19		"	6.6	2.64	1.30	2.61	3.43	.6	13	0		
1359	4-26		"	6.6	2.24	1.01	2.55	2.26	.6	13	0		
1360	5-3		"	6.0	1.80	.99	2.53	1.79	.6	12	0		
1361	5-9		"	6.0	1.80	.90	2.49	1.62	.6	12	0		
1362	5-17		"	6.0	1.80	.88	2.47	1.58	.6	12	0		
1363	5-23		"	6.0	1.80	.88	2.48	1.58	.6	12	0		
1364	5-29		"	6.0	1.80	.70	2.46	1.27	.6	12	0		
1365	6-6		"	6.8	1.36	.68	2.39	.92	.5	12	0		
1366	6-11		"	1.5	.36	1.08	2.35	.39	.6	3	0		
1367	6-18		"	1.5	.30	.77	2.30	.23	.6	3	0		
1368	6-25		"	1.5	.30	.93	2.30	.28	.6	3	0		
1369	7-3		"	1.8	.34	.88	2.30	.30	.5	6	0		
1370	7-9		"	1.0	.18	.56	2.24	.10	.6	2	0		
1371	7-16		"	.5	.05	.40	2.19	.02	.6	2	0		
1372	7-24		"	.7	.13	.85	2.24	.11	.6	2	0		

DISCHARGE MEASUREMENTS OF ROGERS CREEK

~~AT~~ NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1373	10-2		U.S.G.S.	2.6	1.04	1.16		1.21		.6	11		
1374	10-9		"	1.1	0.22	0.86	2.29	0.19		.6	5	0	
1375	10-16		"	1.1	0.37	1.65	2.40	0.61		.6	5	0	
1376	10-23		"	1.0	0.23	0.70	2.29	0.16		.6	5	0	
1377	10-30		"	1.1	0.36	1.47	2.39	0.53		.6	6	0	
1378	11-7		"	1.1	0.33	0.97	2.38	0.32		.6	6	0	
1379	11-13		"	14.2	17.8	2.75	3.60	49.0		.6	15	-.01	
1380	11-14		"	12.	8.4	1.33	2.90	11.2		.6	7	0	
1381	11-20		"	26.0	24.9	3.12	3.91	77.8		.6	18	-.06	
1382	11-21		"	14.0	10.5	1.85	3.09	19.4		.6	15	0	
1383	11-23		"	19.0	13.2	2.25	3.29	29.7		.6	10	-.01	
1384	11-27		"	13.0	6.7	1.10	2.86	7.4		.6	13	0	
1385	12-5		"	9.0	4.37	0.68	2.71	2.97		.6	9	0	
1386	12-12		"	7.0	3.76	0.69	2.65	2.60		.6	9	0	
1387	12-19		"	7.0	3.71	0.49	2.62	1.83		.6	14	0	
1388	12-26		"	20.8	20.8	3.97	3.84	82.6		.6	20	-.04	
1389	12-27		"	20.	20.	3.62	3.77	72.4		.6	20	+.03	
1390	12-27		"	25	24.9	3.53	3.98	87.9		.6	25	-.01	
1391	1-3		"	13.0	9.4	1.26	2.99	11.8		.6	13	0	
1392	1-9	1100A / 1110A	MOON	13.0	7.7	0.97	2.88	7.5		.6	8	0	FC22
1393	1-16		U.S.G.S.	7.3	4.44	1.07	2.80	4.76		.6	8	0	
1394	1-23	1125A / 1135A	MOON	8.0	4.13	0.97	2.76	4.0		.6	9	0	FC22
1395	1-30		U.S.G.S.	5.5	2.50	1.60	2.76	4.0		.6	12	0	
1396	2-6	1130A / 1140A	MOON	5.5	2.26	1.33	2.72	3.0		.5	7	0	FC22
1397	2-11		U.S.G.S.	5.4	2.39	1.37	2.72	3.27		.6	7	0	
1398	2-20	130P / 140P	MOON	8.0	3.93	0.98	2.75	3.85		.5 .6	7	0	FC22
1399	2-28		U.S.G.S.	3.8	1.70	1.78	2.71	3.03		.6	8	0	
1400	3-6	1210P / 1220P	MOON	8.00	3.45	0.78	2.70	2.7		.5	8	0	FC22
1401	3-15		U.S.G.S.	3.2	1.28	1.66	2.65	2.0		.6	9	0	
1402	3-20	150P / 200P	MOON	8.0	2.69	.71	2.66	1.91		.5	6	0	FC22
1403	3-27		U.S.G.S.	3.2	1.18	1.41	2.63	1.66		.6	9	0	
1404	4-2	303P / 313P	MOON	8.0	2.76	0.69	2.65	1.9		.5	8	0	FC22
1405	4-10		U.S.G.S.	3.0	1.61	1.02	2.63	1.65		.6	9	0	
1406	4-17	143P / 148P	MOON	2.9	1.36	0.66	2.59	0.90		.5	4	0	FC22
1407	4-24		U.S.G.S.	2.5	1.25	0.92	2.63	1.15		.6	8	0	
1408	5-1	1209P / 1216P	MOON	2.4	1.17	0.78	•2.59	0.90		.5	5	0	FC22
1409	5-8		U.S.G.S.	2.5	1.18	0.60	2.57	0.71		.6	8	0	
1410	5-15	155P / 200P	MOON	2.4	1.20	0.75	2.60	0.90		.5	4	0	FC22
1411	5-23		U.S.G.S.	2.5	1.24	0.77	2.61	0.96		.6	7	0	
1412	5-29	853A / 858A	MOON	2.3	1.11	0.58	2.57	0.64		.5	4	0	FC22
1413	6-5		U.S.G.S.	2.5	1.18	0.63	2.58	0.74		.8	7	0	
1414	6-12	255P / 380P	MOON	2.0	0.72	0.28	2.47	0.20		.5	3	0	FC22
1415	6-19		U.S.G.S.	1.7	0.53	0.26	2.43	0.14		.5	7	0	
1416	6-26	854A / 857A	MOON	1.0	0.30	0.73	2.47	0.22		.5	2	0	FC22
1417	6-30		U.S.G.S.	1.1	0.30	0.37	2.43	0.11		.5	7	0	
1418	7-14		"	1.0	0.23	0.11	2.34	.026		.5	5	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.2	0.2	3.1	0.7	0.9	1.8	1.8	0.9	0.2	0	0
2	0.01	0.2	0.2	3.0	0.6	0.9	1.6	1.8	0.9	0.3	0	0
3	0	0.2	0.1	3.6	1.2	0.9	1.2	1.7	0.9	0.3	0	0
4	0	0.2	0.1	2.8	5.4	1.0	1.0	1.6	0.8	0.3	0	0
5	0	0.2	0.2	2.7	3.3	1.0	0.9	1.6	0.8	0.2	0	0
6	0.02	0.3	0.2	2.4	2.7	1.1	7.9	1.5	0.7	0.1	0	0
7	0.2	0.5	0.2	2.2	2.5	1.2	7.3	1.4	0.7	0.1	0	0
8	0.2	0.4	0.2	2.1	2.2	1.0	6.7	1.5	0.7	0.1	0.02	0
9	0.2	0.3	0.2	1.9	1.9	0.9	5.9	1.6	0.5	0.03	0.02	0
10	0.2	0.2	0.2	1.9	1.9	0.6	5.4	1.6	0.4	0.03	0.02	0
11	0.2	0.2	0.2	1.8	1.9	0.5	4.7	1.6	0.3	0.03	0.02	0
12	0.2	0.2	0.2	1.6	1.8	0.8	4.3	1.6	0.3	0.03	0	0
13	0.2	0.2	0.3	1.6	1.7	2.4	4.3	1.6	0.3	0.03	0	0
14	0.2	0.2	0.2	1.6	1.7	1.9	4.1	1.6	0.3	0.03	0	0
15	0.2	0.2	0.2	1.5	1.6	1.2	3.9	1.5	0.3	0.03	0	0
16	0.2	0.2	0.2	1.5	1.9	1.0	3.9	1.5	0.3	0.03	0	0
17	0.2	0.2	0.2	1.5	1.7	0.8	3.7	1.5	0.3	0.03	0	0
18	0.3	0.2	0.2	1.4	1.6	0.8	3.5	1.4	0.2	0.1	0	0
19	0.3	0.2	0.2	1.4	1.5	3.1	3.5	1.5	0.2	0.1	0	0
20	0.2	0.2	0.2	1.2	1.5	3.1	3.1	1.5	0.2	0.1	0	0
21	0.2	0.1	33	1.2	1.5	2.5	2.8	1.6	0.2	0.1	0	0
22	0.2	0.2	130	1.2	1.5	1.8	2.7	1.6	0.3	0.1	0	0
23	0.2	0.1	123	1.1	1.1	1.5	2.4	1.6	0.3	0.02	0	0
24	0.2	0.1	22	1.1	0.9	1.2	2.2	1.5	0.3	0.1	0	0
25	0.2	0.1	12	1.0	1.0	1.1	2.1	1.4	0.2	0.01	0	0
26	0.2	0.1	8.2	0.9	1.1	1.0	2.1	1.5	0.2	0	0	0
27	0.2	0.2	6.5	0.8	1.0	0.9	2.1	1.5	0.2	0	0	0
28	0.2	0.2	5.7	0.7	1.0	2.0	2.1	1.2	0.2	0	0	0
29	0.2	0.2	4.7	0.7		2.2	2.1	1.1	0.2	0	0	0
30	0.3	0.2	3.9	0.7		7.5	1.9	1.0	0.2	0	0	0
31	0.3		3.5	0.7		3.0		1.0		0	0	
	5.45	6.2	356.4	50.9	59.2	144.3	159.6	46.4	12.3	2.50	0.08	0
MEAN	0.176	.21	11.5	1.64	2.11	4.65	5.32	1.50	.41	.081	.003	0
ACRE-FEET	11.	12.	707.	101	117.	286.	317.	92.	24.	5.0	.2	0

Remarks:

YEAR OR PERIOD MEAN 2.31
ACRE-FEET 1,670

F. C. Dist. Form 52 8-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	0.4	4.5	1.6	3.7	2.8	1.9	0.8	1.0	0.05	0	0
2	1.2	0.3	4.1	1.3	3.5	2.8	1.9	0.7	0.8	0.05	0	0
3	1.0	0.3	3.5	1.2	3.3	2.8	1.9	0.6	0.7	0.05	0	0
4	0.8	0.3	3.1	1.1	3.1	2.8	1.9	0.7	0.7	0.05	0	0
5	0.6	0.3	3.0	1.0	3.0	3.0	1.9	0.7	0.7	0.05	0	0
6	0.5	0.3	3.7	9.3	3.0	2.7	1.9	0.6	0.7	0.05	0	0
7	0.4	0.3	3.5	8.6	3.0	2.5	1.8	0.7	0.7	0.05	0	0
8	0.3	0.8	3.1	7.9	3.0	2.5	1.8	0.7	0.6	0.05	0	0
9	0.3	0.5	3.1	7.6	3.3	2.5	1.7	0.7	0.4	0.05	0	0
10	0.3	0.4	3.0	6.7	3.5	2.5	1.7	0.7	0.3	0.05	0	0
11	0.2	1.3	2.8	6.5	3.3	2.5	1.6	0.8	0.3	0.05	0	0
12	0.1	1.5	2.7	5.9	3.0	2.4	1.4	0.7	0.2	0.05	0	0
13	0.1	2.8	2.7	5.7	3.0	2.2	1.4	0.7	0.1	0.05	0	0
14	0.1	1.2	2.5	5.4	3.0	2.1	1.2	0.7	0.2	0.05	0	0
15	0.2	6.5	2.4	5.0	2.8	2.1	0.8	0.9	0.2	0.05	0	0
16	0.3	4.7	2.2	4.7	2.8	2.1	0.8	0.8	0.2	0.05	0	0
17	0.3	3.9	2.2	4.7	7.3	1.9	0.8	0.7	0.1	0.05	0	0
18	0.2	3.3	1.9	4.5	6.3	1.9	1.0	0.7	0.1	0.05	0	0
19	0.2	2.9	1.8	4.3	4.3	1.9	1.0	0.6	0.1	0.05	0	0
20	0.1	9.1	1.8	4.3	3.9	1.9	1.0	0.7	0.2	0.05	0	0
21	0.1	2.1	1.8	4.3	3.7	2.2	1.1	0.7	0.4	0	0	0
22	0.1	1.2	1.8	4.3	3.5	2.1	1.2	0.8	0.3	0	0	0
23	0.2	2.4	1.8	4.1	3.3	2.1	1.2	1.0	0.2	0	0	0
24	0.2	1.8	2.2	3.9	3.1	2.1	1.2	0.8	0.3	0	0	0
25	0.2	1.1	3.1	3.7	3.1	1.9	1.2	0.7	0.3	0	0	0
26	0.2	8.6	9.4	3.7	3.0	1.7	1.2	0.7	0.2	0	0	0
27	1.0	7.0	7.0	3.5	3.0	1.7	1.2	0.7	0.2	0	0	0
28	1.2	5.9	4.6	7.0	3.0	2.8	1.2	0.7	0.1	0	0	0
29	0.7	5.4	2.8	5.0		2.2	1.2	0.6	0.1	0	0	0
30	0.5	5.0	2.2	4.3		1.9	1.0	0.7	0.1	0	0	0
31	0.5		1.8	4.1		1.9		0.9		0	0	
	14.7	290.4	374.2	201.0	97.8	70.5	41.1	22.5	10.5	1.00	0	0
MEAN	0.47	9.68	12.1	6.48	3.49	2.27	1.37	0.73	0.35	0.032	0	0
ACRE-FEET	29	576	742	399	194	140	82	45	21	2.0	0	0

Remarks:

YEAR OR PERIOD MEAN 3.08
ACRE-FEET 2,230

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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936, TO SEPTEMBER 30, 1947. FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS F82-R, F107-R, F82B-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1630 SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW PART OF YEAR.

1946-1947
MAXIMUM 2650 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW PART OF YEAR.

1936-1947 (STATIONS F82-R, F82B-R, F82C-R)
MAXIMUM 2,780 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.6	0	0.1	0	0	0
2	0.1	0	0	0	0	0	17	0	0.1	0	0	0
3	0.1	0	0	3.3	9.8	0	0.1	0	0	0	0	0
4	0.1	0	0.4	0	0.2	0	0.1	0	0	0	0	0
5	0	0	0.1	1.3	0.1	0	0.1	0	0.1	0	0	0
6	0	4.5	0	0	0	0	2.8	0	0.1	0	0	0
7	0.2	0.1	0	0	0	0	0.2	0	0.1	0	0	0
8	0.1	0	0	0	0	0	0.1	0	0.1	0	0	0
9	0.1	0	0	0	0	0	0.1	0	0.1	0	0	0
10	0.1	0	0	0	0	0	0.1	0	0.1	0	0	0
11	0.1	0	2.0	0	0	0	0.1	0	0.2	0	0	0
12	0	0	0.1	0	0	0	0.1	0	0.2	0	0	0
13	0.1	0	0	0	0	12	0.1	0	0.2	0	0	0
14	0.1	0	0	0	0	0	0.1	0	0.2	0	0	0
15	0.1	0	0	0.1	3.9	0	0.1	0	0.2	0	0	0
16	0.1	0	0	0.1	0	0	0.1	0	0.2	0	0	0
17	0.1	0	0	0.1	0	0	0	0	0.2	0	0	0
18	0	0	0	0.1	0	0	0	0	0.2	0	0	0
19	0	0	0	0	0.4	64	0	0	0.2	0	0	0
20	0	0	0	0.1	0	13	0	0	0.2	0	0	0
21	0	0	133	0.1	0	0	0	0	0.1	0	0	0
22	0	0	244	0.1	0	0	0	0	0.1	0	0	0
23	0	0	94	0.1	0	0	0	0	0.1	0	0	0
24	0	0	1.4	0.1	0	0	0.1	0	0.1	0	0	0
25	0	0	1.8	0.1	0	0	0	0	0.1	0	0	0
26	0	0	0.1	0.1	0	0	0	0	0.1	0	0	0
27	0	0	0	0	0	0	0	0	0.1	0	0	0
28	0	0	2.8	0.1	0	26	0	0	0.1	0	0	0
29	11	1.2	0.1	0		37	0	0	0.1	0	0	0
30	7.5	0.1	0	0		132	0	0	0.1	0	0	0
31	0.1		0	0		4.8		0		0	0	
	20.0	5.9	479.8	5.5	102.6	288.6	21.9	0	3.8	0	0	0
MEAN	0.65	0.20	15.5	0.19	3.66	9.32	0.73	0	0.12	0	0	0
ACRE-FEET	40.	12.	952.	12.	204.	573.	43.	0	7.5	0	0	0

Remarks:

YEAR OR PERIOD MEAN 2.54
ACRE-FEET 1,840

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

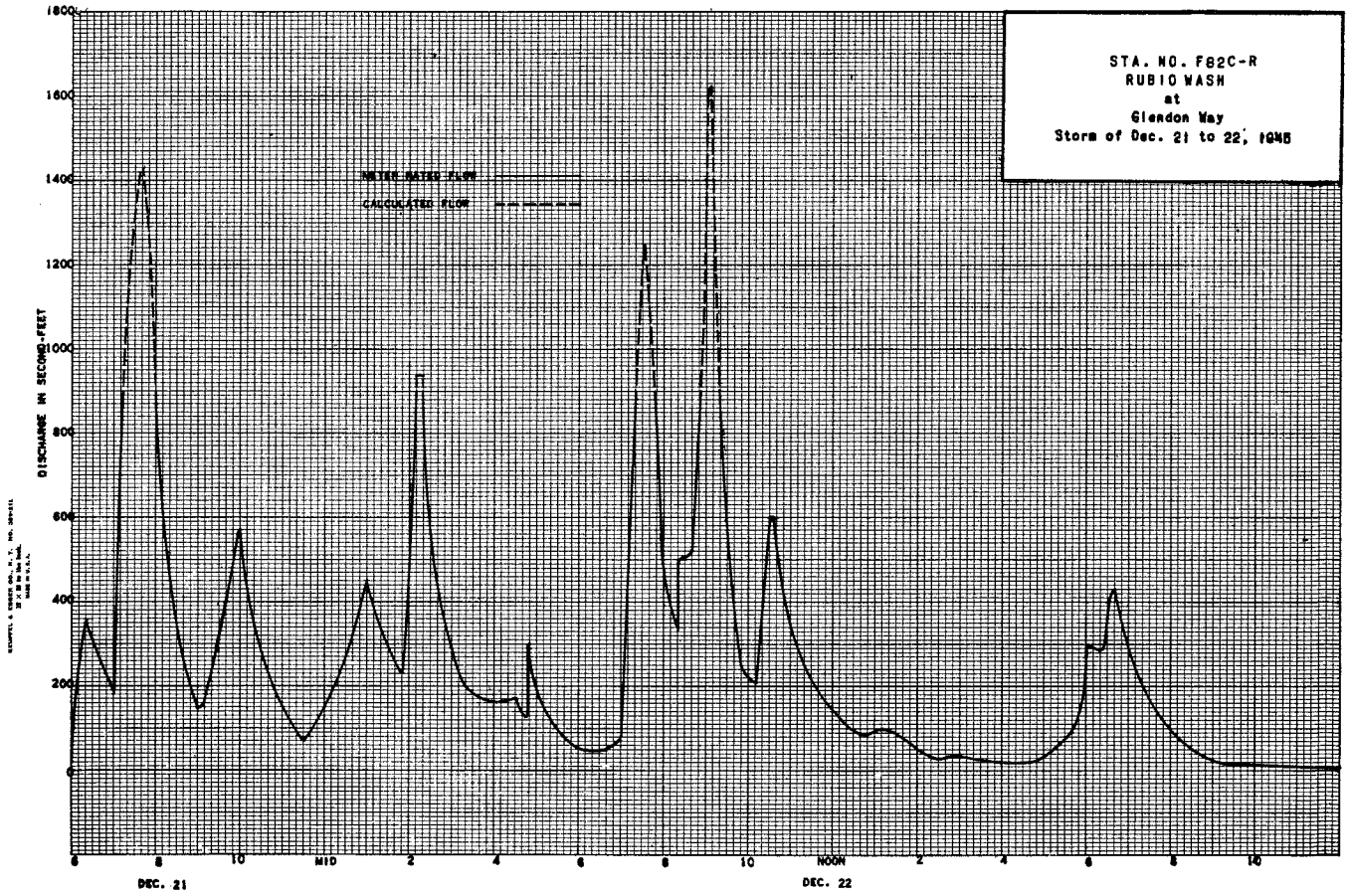
Sta. No. F 82C-R

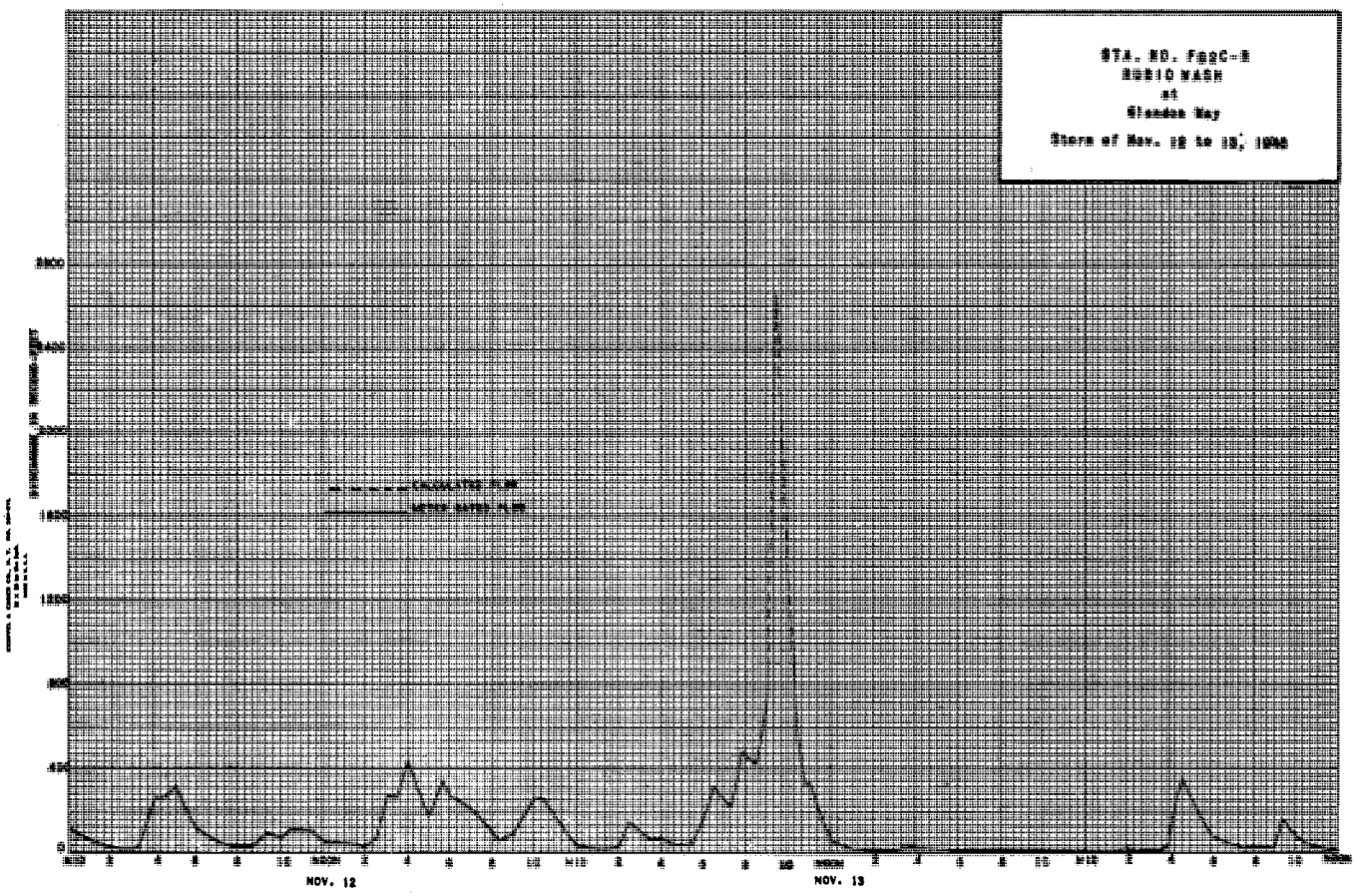
Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	02	01	01	+	+	+	01	+	0	0	0
2	+	01	01	02	+	+	+	01	+	0	0	0
3	10	01	01	+	+	10	64	01	+	0	0	0
4	+	0	01	0	+	11	01	01	+	0	0	0
5	0	0	01	0	+	47	01	01	+	0	0	0
6	0	01	27	0	+	0	01	01	+	0	0	0
7	0	01	02	0	01	0	+	01	+	0	0	0
8	0	98	01	04	01	0	01	01	+	0	0	+
9	0	01	+	04	27	0	02	01	+	0	0	01
10	0	08	+	04	02	0	01	01	+	0	0	01
11	+	35	+	02	01	0	+	01	+	0	0	01
12	+	136	+	02	01	0	+	+	+	0	0	01
13	01	181	+	01	01	0	+	01	+	0	0	02
14	02	32	+	04	01	+	+	02	+	0	0	02
15	01	01	+	01	01	02	+	01	+	0	0	02
16	174	01	+	01	01	01	+	01	+	0	0	02
17	02	01	+	06	23	01	+	01	+	0	0	36
18	02	01	+	14	01	11	01	01	+	0	0	02
19	01	18	+	02	+	02	02	01	+	0	0	02
20	01	122	+	02	+	18	02	+	+	0	0	02
21	01	06	0	02	+	38	02	+	+	0	0	02
22	01	04	0	02	+	02	14	+	+	0	0	02
23	01	68	07	01	+	01	01	+	+	0	0	01
24	01	06	97	01	+	+	01	+	+	0	0	01
25	01	02	233	01	+	0	01	+	+	0	0	01
26	01	01	58	01	01	+	01	+	+	0	0	01
27	87	01	48	01	04	17	01	60	+	0	0	01
28	10	01	36	28	01	94	+	+	+	0	0	01
29	02	01	14	01		01	01	+	+	0	0	+
30	02	01	04	01		01	01	+	+	0	0	+
31	01		0	+		01		+		0	0	
	692	5898	3826	341	310	258	99	79	0	0	0	64
MEAN	2.23	19.7	12.3	1.10	1.11	0.83	0.33	0.25	0	0	0	0.21
ACRE-FEET	137	1,170	759	68	61	51	20	16	0	0	0	13

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

YEAR OR PERIOD MEAN 3.17
ACRE-FEET 2,300





STATION U15-R
SAN ANTONIO CREEK above Edison Company Power Plant

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°12'50" LONG. 117°40'00", IN NW 1/4 SE 1/4 SEC. 36 T. 2N., R. 8W, 0.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3,400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH, 1901, TO SEPTEMBER, 1947.

AVERAGE DISCHARGE: 29 YEARS (1917-46), 11.5 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT, 29 YEARS (1917-46), 24.6 SECOND-FEET. 30 YEARS (1917-47), 11.5 SECOND-FEET. AVERAGED COMBINED DISCHARGE OF CREEK AND CONDUIT, 30 YEARS (1917-47), 24.7 SECOND-FEET.

EXTREMES:

1945-1946
MAXIMUM DISCHARGE DURING YEAR, 250 SECOND-FEET, DECEMBER 23, (GAGE HEIGHT 3.06 FEET)
MINIMUM 0.6 SECOND-FOOT, SEPTEMBER 2-3.

1946-1947
MAXIMUM DISCHARGE DURING YEAR 225 SECOND-FEET, DECEMBER 26 (GAGE HEIGHT 2.98 FEET).
MINIMUM 0.4 SECOND-FOOT OCTOBER 22-24.

1917-1947
MAXIMUM DISCHARGE, 7,900 SECOND-FEET, MARCH 2, 1938 (REVISED BY HYDROLOGIC STUDIES).
MINIMUM LESS THAN 0.1 SECOND-FOOT FOR SEVERAL DAYS IN OCTOBER 1934.

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.

REVISIONS: FIGURES OF DISCHARGE OF SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT HAVE BEEN REVISED FOR THE PERIOD MARCH 2 TO APRIL 23, 1938. REVISED MAXIMUM DISCHARGE SHOWN.

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

NEAR above Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1016	10-5		U.S.G.S.	5.0	2.17	.37	.83	.81		.6	11	0	
1017	10-10		"	5.1	2.32	.38	.87	.87		.6	10	0	
1018	10-18		"	CHANNELS			.84	.81		.6	15	0	
1019	10-25		"	5.3	2.25	.31	.83	.70		.6	11	0	
1020	10-31		"	CHANNELS			.86	.94		.6	11	0	
1021	11-9		"	CHANNELS			.85	.92		.6	11	0	
1022	11-15		"	CHANNELS			.83	.80		.6	11	0	
1023	11-23		"	CHANNELS			.83	.83		.6	10	0	
1024	11-26		"	CHANNELS			.84	1.01		.6	15	0	
1025	12-3		"	CHANNELS			.82	.84		.6	10	0	
1026	12-14		"	CHANNELS			.82	.81		.6	12	0	
1027	12-21		"	CHANNELS			1.92	28.3		.6	22	-.25	
1028	12-29		"	CHANNELS			1.74	26.4		.6	19	0	
1029	1-9		BREWSTER	10.	4.01	1.70	1.14	6.8		.6	10	-.01	FC12
1030	1-10		U.S.G.S.	11.	3.17	1.83	1.14	5.8		.6	12	0	
1031	1-21		"	6.0	2.09	1.18	.89	2.46		.6	11	0	
1032	1-30		"	CHANNELS			.82	1.61		.6	13	0	
1033	2-7		"	CHANNELS			.81	1.63		.6	13	0	
1034	2-14		"	CHANNELS			.80	1.43		.6	13	0	
1035	2-20		"	CHANNELS			.85	1.39		.6	12	0	
1036	2-28		"	CHANNELS			.85	1.51		.6	12	0	
1037	3-6		"	CHANNELS			.85	1.33		.6	11	0	
1038	3-11		"	7.0	1.44	0.84	0.87	1.21		.6	12	0	
1039	3-28		"	CHANNELS			.85	1.77		.6	13	0	
1040	4-4		"	CHANNELS			1.25	8.6		.6	15	0	
1041	4-12		"	CHANNELS			1.31	10.0		.6	17	0	
1042	4-18		"	CHANNELS			2.07	37.6		.6	20	-.02	
1043	4-25		"	CHANNELS			1.68	23.1		.6	17	0	
1044	5-2		"	CHANNELS			1.54	19.3		.6	15	0	
1045	5-10		"	CHANNELS			1.42	13.3		.6	14	0	
1046	5-16		"	CHANNELS			1.32	9.8		.6	13	0	
1047	5-22		"	CHANNELS			1.24	6.4		.6	13	0	
1048	5-28		"	CHANNELS			1.00	4.35		.6	14	0	
1049	6-6		"	6.9	1.91	.84	.85	1.61		.6	10	0	
1050	6-10		"	CHANNELS			.84	1.76		.6	12	0	
1051	6-17		"	CHANNELS			.88	2.37		.6	12	0	
1052	6-24		"	CHANNELS			.83	1.41		.6	11	0	
1053	7-8		"	2.5	1.00	1.08	.81	1.08		.6	5	0	
1054	7-15		"	2.5	1.00	.98	.81	.98		.6	5	0	
1055	7-25		"	2.5	1.00	1.03	.82	1.03		.6	5	0	
1056	8-1		"	2.5	1.00	.88	.80	.88		.6	5	0	
1057	8-8		"	2.5	.88	.98	.80	.86		.6	7	0	
1058	8-15		"	2.5	.87	1.09	.81	.95		.6	6	0	
1059	8-22		"	2.7	.73	1.37	.80	1.00		.6	6	0	
1060	8-30		"	1.5	.30	1.47	.80	.44		.6	5	0	
1061	9-11		"	1.5	0.49	1.27	0.78	0.62		.6	5	0	
1062	9-12		"	2.5	.70	1.29	.77	.90		.6	9	0	
1063	9-24		"	1.4	.24	1.54	.78	.37		.6	3	0	
1064	9-30		"	1.5	.28	1.79	.82	.50		.6	3	0	

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

NEAR above Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1065	10-8		U.S.G.S.	1.5	0.31	1.77	0.82	0.55		.6	3	0	
1066	10-14		"	1.5	0.30	1.63	.80	0.49		.6	3	0	
1067	10-22		"	1.5	0.30	1.43	0.80	0.43		.6	3	0	
1068	10-29		"	1.5	0.47	2.30	.86	1.08		.6	3	0	
1069	11-12		"	11.0	5.9	1.10	1.36	6.5		.6	11	-.02	
1070	11-18		"	8.2	3.78	0.65	1.08	2.47		.6	8	0	
1071	11-27		"	11.0	8.2	2.27	1.59	18.6		.6	11	0	
1072	12-9		"	11.0	6.9	2.32	1.49	16.0		.6	11	0	
1073	12-30		"	16.0	20.7	3.80	2.44	78.7		.6	8	0	
1074	1-13		"	13.0	11.5	2.43	1.90	28.0		.6	13	0	
1075	1-20		"	13.0	9.1	2.22	1.65	20.2		.6	13	0	
1076	1-30		"	12.0	5.6	1.95	1.31	10.9		.6	12	0	
1077	2-5	239P / 255P	BREWSTER	14.0	6.8	1.54	1.18	10.5		.6	7	0	FC12
1078	2-11		U.S.G.S.	12.2	5.6	1.25	1.09	7.0		.6	13	0	
1079	2-19	254P / 310P	BREWSTER	12.0	5.3	1.17	1.03	6.2		.6	6	0	FC12
1080	2-27		U.S.G.S.	6.1	2.66	1.73	1.09	4.59		.6	13	0	
1081	3-5	1040A / 1102A	BREWSTER	6.0	2.86	1.40	1.02	4.0		.6	6	0	FC12
1082	3-13		U.S.G.S.	6.2	2.35	1.30	0.96	3.05		.5 .6	13	-.01	
1083	3-20	325P / 340P	BREWSTER	6.0	2.55	1.22	0.96	3.1		.6	6	0	FC12
1084	3-28		U.S.G.S.	6.1	2.38	1.29	0.93	3.07		.5 .6	14	+.01	
1085	4-3	232P / 250P	BREWSTER	6.0	2.65	1.21	0.95	3.2		.6	6	+.01	FC12
1086	4-11		U.S.G.S.	4.9	2.34	1.35	0.93	3.16		.6	11	0	
1087	4-17	258P / 310P	BREWSTER	5.0	2.41	0.87	0.88	2.1		.6	5	0	FC12
1088	4-25		U.S.G.S.	4.2	2.31	1.56	0.99	3.60		.6	11	-.01	
1089	5-1	145P / 155P	BREWSTER	4.0	1.88	0.90	0.89	1.7		.6	4	0	FC12
1090	5-9		U.S.G.S.	2.2	0.80	2.43	0.91	1.94		.6	9	0	
1091	5-14	155P / 205P	BREWSTER	2.0	0.85	1.65	0.90	1.4		.6	4	0	FC12
1092	5-22		U.S.G.S.	2.0	0.65	1.38	0.85	1.55		.5 .6	8	0	
1093	5-28	210P / 230P	BREWSTER	2.0	0.79	1.52	0.85	1.2		.6	4	0	FC12
1094	6-5		U.S.G.S.	CHANNELS			0.84	1.65		.5 .6	5	0	
1095	6-11	155P / 203P	WADDICOR	2.5	0.88	1.25	0.87	1.1		.6	4	0	FC37
1096	6-23		U.S.G.S.	CHANNELS			0.83	1.04		.5	6	0	
1097	6-24	850A / 900A	WADDICOR	3.0	0.90	0.99	0.83	0.89		.6	3	0	FC37
1098	7-9	242P / 300P	BREWSTER	1.0	0.51	1.69	0.82	0.86		.6	2	0	FC12
1099	7-14		U.S.G.S.	CHANNELS			0.81	0.86		.5 .6	2	0	
1100	7-23	245P / 255P	BREWSTER	1.0	0.45	1.80	0.81	0.81		.6	2	0	FC12
1101	7-28		U.S.G.S.	1.0	0.39	1.92	0.80	0.75		.6	2	0	
1102	8-4		"	1.6	0.50	1.56	0.81	0.78		.6	3	0	
1103	8-12		"	1.5	0.61	1.64	0.85	1.00		.5 .6	3	0	
1104	8-18		"	1.8	0.74	1.35	0.80	1.00		.5 .6	4	0	
1105	8-20	207P / 215P	BREWSTER	1.5	0.70	1.27	0.80	0.89		.6	3	0	FC12
1106	8-25		U.S.G.S.	1.6	0.65	1.29	0.79	0.84		.5 .6	3	0	
1107	9-3		"	1.5	0.62	1.05	0.74	0.65		.6	3	0	
1108	9-8		"	1.7	0.63	0.95	0.75	0.60		.6	4	0	
1109	9-16		"	2.2	0.84	0.80	0.75	0.67		.6	5	0	
1110	9-17	210P / 220P	BREWSTER	2.0	0.86	0.86	0.77	0.74		.6	4	0	FC12
1111	9-23		U.S.G.S.	2.1	0.85	0.72	0.76	0.61		.5 .6	4	0	
1112	9-29		"	2.0	0.91	0.64	0.78	0.58		.6	4	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U16-R

Daily discharge, in second-feet of SAN ANIONIO CREEK above Edison Company Power Plant, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	0.8	0.8	15	1.4	1.7	12	20	3.2	1.1	1.0	0.8
2	0.8	0.8	0.8	12	1.4	1.6	11	20	2.9	1.0	1.0	0.6
3	0.8	1.2	0.8	11	4.8	1.6	9.5	18	2.4	1.0	1.0	0.6
4	0.8	0.7	0.8	9.9	3.1	1.6	8.8	16	2.3	1.0	1.0	0.8
5	0.8	0.7	0.8	9.0	1.8	1.4	9.2	16	2.0	1.1	0.9	0.8
6	1.6	0.8	0.8	9.2	1.7	1.4	9.7	15	2.0	1.0	0.8	0.8
7	1.4	0.9	0.8	8.4	1.6	1.3	9.7	14	1.8	1.0	0.8	0.8
8	1.1	0.9	0.9	8.1	1.7	1.3	9.7	14	2.0	1.1	0.8	0.8
9	0.8	0.9	0.9	7.1	1.6	1.2	9.7	14	2.1	1.2	0.8	0.8
10	0.8	0.9	0.8	6.7	1.6	1.2	9.7	13	2.1	1.1	0.8	0.8
11	0.8	0.9	0.8	7.5	1.6	1.2	9.7	13	2.3	1.1	0.8	0.8
12	0.8	0.9	0.8	7.9	1.6	1.3	9.9	12	2.3	1.0	0.9	0.9
13	0.8	0.9	0.8	7.3	1.4	1.7	10	11	2.3	1.1	0.9	1.1
14	0.8	0.8	0.8	7.1	1.4	1.6	11	11	2.1	1.0	0.9	1.1
15	0.7	0.8	0.8	6.4	1.4	1.6	11	10	2.4	1.0	0.9	1.1
16	0.7	0.9	0.8	5.8	1.4	1.6	12	9.9	3.2	1.1	0.9	1.2
17	0.7	0.9	0.8	5.1	1.4	1.6	12	9.5	2.3	1.1	0.9	1.2
18	0.8	0.9	0.9	4.5	1.4	1.6	19	9.0	1.3	1.2	0.9	1.2
19	0.8	0.9	0.9	3.8	1.4	2.3	16	8.4	1.3	1.2	0.9	1.2
20	0.8	0.9	0.9	3.2	1.4	2.4	22	7.7	1.3	1.1	0.9	1.2
21	0.8	0.9	22	2.5	1.3	2.3	26	7.3	1.3	1.0	1.0	1.2
22	0.7	0.8	111	2.4	1.3	2.1	27	6.9	1.3	1.0	1.0	1.2
23	0.7	0.8	146	1.8	1.3	2.0	27	6.7	1.4	1.0	1.0	1.2
24	0.7	0.9	65	1.8	1.7	2.1	26	6.3	1.6	1.0	0.9	0.9
25	0.7	1.0	60	1.8	1.7	2.0	25	5.9	1.1	1.0	0.9	0.9
26	0.7	1.0	41	1.7	1.7	2.1	23	5.7	0.9	1.0	0.9	1.0
27	0.7	1.0	36	1.7	1.7	2.0	22	5.3	1.1	1.0	0.9	1.2
28	0.8	1.6	29	2.0	1.7	1.8	22	4.7	1.1	1.0	0.9	1.2
29	0.9	0.8	26	1.7		2.1	22	4.4	1.1	1.0	0.9	1.2
30	1.8	0.8	23	1.6		42	21	3.9	1.1	1.0	1.0	1.9
31	0.9		18	1.6		20		3.5		1.0	0.9	
	26.8	27.0	593.5	175.6	47.5	111.7	472.6	322.1	55.6	32.5	28.1	30.5
MEAN	0.86	.90	19.1	5.66	1.70	3.60	15.8	10.4	1.85	1.05	.91	1.02
ACRE-FEET	53.	54.	1,180.	348.	94.	222.	937.	639.	110.	64.	56.	60.

Remarks:

YEAR OR PERIOD MEAN 5.27
ACRE-FEET 3,820.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Edison Company Power Plant, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.2	0.7	19	74	11	4.2	2.7	1.7	1.4	0.8	0.8	0.7
2	1.4	0.8	18	69	11	3.7	2.9	1.7	1.4	0.6	0.9	0.6
3	1.6	0.6	16	56	10	4.2	2.9	1.6	1.4	0.6	0.9	0.6
4	1.0	0.6	16	49	10	4.2	2.9	1.4	1.4	0.6	0.9	0.6
5	1.0	0.6	15	42	10	4.0	2.7	1.7	1.7	0.7	0.9	0.6
6	0.9	0.6	16	38	9.7	4.0	2.6	1.7	1.7	0.7	0.9	0.6
7	0.7	0.6	16	36	9.2	4.0	2.9	1.7	1.6	0.8	0.9	0.6
8	0.6	0.6	16	33	8.6	3.9	2.9	1.8	1.6	1.2	0.9	0.6
9	0.6	0.6	16	32	8.6	3.9	3.0	1.8	1.3	1.2	0.8	0.8
10	0.6	0.6	16	30	7.7	3.9	3.0	1.6	1.2	0.8	0.9	0.9
11	0.6	0.9	16	30	7.1	3.7	3.0	1.6	1.1	0.8	1.3	0.9
12	0.6	4.3	16	29	6.7	3.8	3.0	1.4	1.0	0.8	1.1	0.8
13	0.6	16	15	28	6.7	2.9	2.7	1.3	1.0	0.8	0.8	0.7
14	0.5	6.1	14	27	6.5	2.7	2.4	1.3	1.0	0.8	0.8	0.6
15	0.5	2.4	13	27	6.5	2.7	2.3	1.3	0.9	0.9	0.8	0.7
16	0.7	2.6	13	28	6.5	2.7	4.2	1.2	0.7	0.8	0.9	0.7
17	0.6	2.4	12	23	6.3	2.7	2.1	1.2	0.8	0.8	1.0	0.7
18	0.6	2.4	13	23	6.3	2.7	2.1	1.1	0.8	0.8	1.0	0.8
19	0.6	2.4	13	22	6.1	2.7	2.1	1.1	0.9	0.7	1.0	0.8
20	0.5	18	14	21	5.9	2.9	2.1	1.3	1.0	0.7	0.9	0.7
21	0.5	9.6	13	20	5.7	3.6	2.1	1.6	1.1	0.7	1.0	0.7
22	0.4	6.9	12	20	5.5	3.3	2.7	1.6	1.1	0.7	1.0	0.6
23	0.4	19	12	18	5.3	3.2	2.9	1.4	1.0	0.9	0.9	0.6
24	0.4	18	13	16	5.1	3.0	3.2	1.4	0.9	0.9	0.9	0.6
25	0.6	17	43	16	4.9	2.9	2.9	1.3	1.0	0.9	0.9	0.7
26	0.6	18	155	15	4.7	2.9	2.3	1.3	1.1	0.8	0.9	0.6
27	0.9	18	89	14	4.5	2.9	2.1	1.3	1.1	0.8	0.9	0.6
28	1.0	20	87	14	4.4	3.2	2.2	1.3	1.1	0.8	0.9	0.6
29	1.1	20	85	12		3.2	1.3	1.3	1.0	0.8	0.9	0.5
30	0.9	20	80	11		3.0	1.5	1.3	0.8	0.8	0.9	0.5
31	0.8		70	11		2.9		1.4		0.8	0.8	
	24.0	230.3	962	884	200.5	103.6	77.7	44.7	34.1	24.8	28.4	20.0
MEAN	0.77	7.68	31.0	28.5	7.16	3.34	2.59	1.44	1.14	0.80	0.92	0.67
ACRE-FEET	48	457	1,910	1,750	398	205	154	89	68	49	56	40

Remarks:

YEAR OR PERIOD MEAN 7.22
ACRE-FEET 5,220

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. _____

Daily discharge, in second-feet of SAN ANTONIO CREEK and SOUTHERN CALIFORNIA EDISON CO.'S CONDUIT, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	11	37	19	17	32	42	25	18	14	12
2	12	12	11	34	19	17	31	42	24	17	13	12
3	12	12	11	33	26	17	32	40	23	18	14	12
4	12	12	11	32	21	17	31	38	23	18	13	12
5	12	12	11	31	20	16	31	38	23	17	13	12
6	13	12	11	30	20	16	32	37	23	17	13	12
7	13	12	11	29	20	16	32	36	23	17	13	12
8	13	12	11	29	20	16	32	36	23	17	13	12
9	13	12	10	29	20	16	32	36	22	17	12	12
10	12	12	10	29	20	16	32	35	22	17	12	12
11	12	11	10	30	20	15	32	35	22	17	12	12
12	12	11	10	30	19	15	32	34	22	17	13	12
13	12	11	10	28	18	18	32	33	22	17	13	12
14	12	11	10	28	18	16	33	33	22	16	13	12
15	13	11	10	28	18	16	33	32	21	16	13	12
16	12	11	10	28	18	16	34	32	22	15	13	12
17	12	11	10	27	17	16	34	32	21	15	13	11
18	12	11	10	26	17	15	41	31	20	16	13	12
19	12	11	10	26	16	16	38	30	20	16	13	12
20	12	11	10	24	16	16	44	30	20	16	13	11
21	12	11	44	22	16	16	49	29	19	15	13	11
22	12	11	111	22	16	16	50	29	19	15	13	11
23	12	11	146	22	16	16	50	29	19	15	12	11
24	12	11	87	22	17	16	49	28	20	15	12	11
25	12	11	82	22	17	15	48	28	19	15	12	11
26	12	11	63	21	17	15	46	28	19	14	12	12
27	12	11	58	21	17	15	44	27	18	14	12	11
28	12	12	51	21	17	16	44	27	18	14	12	11
29	12	11	48	21		16	44	26	18	14	12	11
30	15	11	45	21		60	43	26	18	14	12	12
31	12		39	21		40		26		14	12	
	380	341	982	824	515	564	1137	1005	630	493	393	350
MEAN	12.3	11.4	31.7	26.6	18.4	18.2	37.9	32.4	21.0	15.9	12.7	11.7
ACRE-FEET	754.	676.	1,950.	1,630.	1,020.	1,120.	2,260.	1,990.	1,250.	978.	780.	694.

Remarks:

YEAR OR PERIOD MEAN 20.9
ACRE-FEET 15,100

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. _____

Daily discharge, in second-feet of SAN ANTONIO CREEK and SOUTHERN CALIFORNIA EDISON CO.'S CONDUIT for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	41	95	34	25	23	23	18	14	12	11
2	12	11	40	91	34	25	22	22	18	14	12	10
3	14	11	38	77	33	25	23	22	18	13	12	10
4	12	12	38	71	33	25	23	21	18	12	12	10
5	12	12	37	64	33	25	23	22	18	10	12	10
6	12	11	37	60	33	25	23	22	18	10	12	10
7	12	11	37	58	32	25	23	22	17	14	12	10
8	12	11	38	55	32	25	23	22	17	14	12	10
9	12	11	38	54	32	25	23	22	17	14	12	11
10	12	11	38	52	30	25	23	22	17	13	12	11
11	12	12	38	52	29	24	23	22	17	13	11	11
12	12	15	38	51	29	24	23	21	17	13	12	11
13	12	29	37	50	29	23	23	21	16	13	12	10
14	12	21	36	49	28	23	22	21	15	13	12	10
15	12	16	35	49	28	23	22	21	16	13	11	10
16	12	16	35	50	28	23	24	21	16	13	11	10
17	13	15	34	45	28	23	22	21	16	13	11	11
18	13	15	35	45	28	23	22	20	15	13	11	10
19	12	15	35	44	28	23	22	20	15	13	11	11
20	10	38	36	43	28	23	22	20	16	13	12	10
21	10	30	35	42	28	24	22	20	15	13	12	10
22	11	27	34	42	28	23	23	20	15	13	12	10
23	10	40	34	40	27	23	23	19	15	12	12	9.8
24	10	39	35	38	27	23	23	19	15	12	12	9.6
25	11	39	65	38	27	22	23	19	15	12	11	9.7
26	11	40	155	37	27	22	25	19	15	12	11	9.6
27	12	40	110	37	26	22	23	19	15	12	12	9.3
28	12	42	108	37	26	22	22	19	14	12	12	9.3
29	11	42	106	35		23	22	18	14	12	11	8.9
30	11	42	101	34		23	22	19	14	12	11	9.5
31	11		91	34		23		18		12	11	
	362	686	1615	1569	825	732	682	637	482	392	361	302.7
MEAN	11.6	22.9	52.1	50.6	29.5	23.6	22.7	20.5	16.1	12.6	11.6	10.1
ACRE-FEET	718	1,360	3,200	3,110	1,640	1,450	1,350	1,260	956	778	716	600

Remarks:

YEAR OR PERIOD MEAN 23.7
ACRE-FEET 17,140

STATION F151-R
SAN ANTONIO CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'20", LONG. 117°40'54", ON THE RIGHT (WEST) BANK, UPSTREAM FROM ALL HEADGATES OF POMONA VALLEY PROTECTIVE ASSOCIATION SPREADING GROUNDS AND ABOUT 4 MILES NORTHEAST OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 2,081.66 FEET.

DRAINAGE AREA: 26.5 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: FLOWS UP TO 300 SECOND-FEET MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGHER FLOW.

RECORDER: INSTALLED FEBRUARY 20, 1931, OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. STATION WAS OUT OF SERVICE FROM MARCH 2, 1938 TO MARCH 30, 1938 AND FROM JANUARY 24, 1943 TO JULY 1, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: FEBRUARY 20, 1931 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 550 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW FOR MOST OF YEAR.

1946-1947
MAXIMUM 362 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW FOR MOST OF YEAR.

1930-1946
MAXIMUM 23,400 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT ~~NEAR~~ Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
473	12/21	1125P / 1145P	BREWSTER THOMPSON	56.0	46.0	5.65	9.08	260.		.6	8	-.01	FC12
474	12/22	1215P / 1230P	BREWSTER	42.0	35.2	6.82	9.05	240.		.6	6	0	"
475	12/23	800A / 830A	"	54.0	57.0	6.09	9.16	347.		.6	8	-.02	"
476	12/24	910A / 930A	"	34.0	26.2	4.20	8.53	110.		.6	8	0	"
477	12/26	450P / 505P	"	18.0	8.80	4.41	8.23	38.8		.6	5	0	"
478	1/2	503P / 515P	"	10.0	3.80	2.16	8.10	8.2		.6	5	0	"
479	1/9	453P / 505P	"	6.0	2.30	0.96	8.01	2.2		.6	6	0	"
480	1/16	418P / 430P	"	5.0	2.55	1.61	8.08	4.1		.6	5	0	"
481	1/23	315P / 325P	"	6.0	2.35	1.28	8.05	3.0		.6	4	0	"
482	1/30	252P / 300P	"	1.5	0.43	1.21	7.90	0.52		.6	3	-.01	"
483	2/3	550P / 600P	"	14.0	6.40	4.31	8.22	2.76		.6	5	-.02	"
484	2/4	921A / 930A	"	8.0	2.40	1.29	7.98	3.1		.6	4	0	"
485	3/30	800A / 820A	"	34.0	29.5	4.98	8.95	147.		.6	8	0	"
486	3/30	345P / 400P	BREWSTER-COOLEY	28.0	25.0	5.36	8.90	134.		.6	6	0	"
487	3/31	845A / 900A	" "	21.0	15.4	4.00	8.38	61.6		.6	7	-.01	"
488	4/3	218P / 230P	BREWSTER	10.0	4.40	1.77	7.98	7.8		.6	5	0	"
489	4/17	348P / 400P	"	12.0	8.00	3.36	8.20	26.9		.6	6	0	"
490	4/24	200P / 215P	"	13.0	6.55	2.03	8.10	13.3		.6	7	0	"
491	5/1	405P / 420P	"	14.0	5.36	1.49	8.03	8.0		.6	7	0	"
492	5/8	238P / 250P	"	10.0	3.48	1.52	7.97	5.3		.6	5	0	"
493	5/15	248P / 300P	"	10.0	2.76	1.12	7.95	3.1		.6	5	0	"

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT ~~NEAR~~ Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19~~47~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
494	11-12	223P / 235P	BREWSTER	12.0	6.40	1.92	8.14	12.3		.6	6	0	FC12
495	11-13	1058A / 1110A	BREWSTER - VINES	18.0	23.1	4.98	8.82	115.		.6	6	+.04	"
496	11-14	841A / 855A	" "	22.0	10.3	2.13	8.21	21.9		.6	6	0	"
497	11-20	820A / 830A	BREWSTER	22.0	24.5	4.37	8.78	107.		.6	6	+.14	"
498	11-20	620P / 630P	BREWSTER - VINES	24.0	20.0	5.05	8.62	101.		.6	6	-.01	"
499	11-21	910A / 925A	BREWSTER	26.0	14.4	2.31	8.28	33.2		.6	7	0	"
500	11-23	355P / 405P	BREWSTER	28.0	19.6	4.08	8.51	79.5		.6	7	0	"
501	11-24	825A / 840A	BREWSTER-JOHNSON	24.0	12.0	2.45	8.30	29.4		.6	7	0	"
502	11-27	320P / 330P	BREWSTER	18.0	7.80	1.82	8.10	14.2		.6	5	0	"
503	12-4	330P / 340P	"	10.0	5.40	1.52	7.99	8.2		.6	5	0	"
504	12-11	320P / 335P	"	14.0	4.60	1.22	7.93	5.6		.6	7	0	"
505	12-18	345P / 355P	"	9.0	3.05	0.75	7.84	2.3		.6	5	0	"
506	12-26	830A / 845A	BREWSTER - VINES	44.0	46.8	5.68	9.12	266.		.6	9	0	"
507	12-26	610P / 630P	" "	TWO CHANNELS			8.80	183.		.6	12	0	"
508	12-27	325P / 340P	" "	32.0	27.6	5.00	8.77	138.		.6	6	0	"
509	12-28	1245P / 100P	BREWSTER	28.0	25.6	4.84	8.71	124.		.6	7	0	"
510	1-2	1241P / 1255P	"	28.0	25.2	2.88	8.50	72.6		.6	7	0	"
511	1-8	501P / 516P	"	26.0	17.5	2.69	8.20	47.1		.6	7	0	"
512	1-15	310P / 320P	"	18.0	12.8	2.59	8.06	33.1		.6	5	0	"
513	1-22	243P / 255P	"	18.0	11.7	2.38	8.04	27.9		.6	5	0	"
514	1-28	110P / 120P	"	24.0	14.4	2.60	8.16	37.5		.6	6	+.02	"
515	1-29	333P / 345P	"	16.0	9.60	1.85	7.95	17.8		.6	5	0	"
516	2-5	208P / 220P	"	18.0	7.60	1.32	7.87	10.0		.6	5	0	"
517	2-11	138P / 150P	"	14.0	6.60	1.38	7.86	9.1		.6	7	0	"
518	2-19	215P / 230P	"	12.0	5.20	1.23	7.84	6.4		.6	6	0	"
519	2-27	320P / 330P	"	10.0	4.20	0.71	7.65	3.0		.6	5	0	"
520	3-5	325P / 335P	"	10.0	3.04	0.85	7.58	2.6		.6	5	0	"
521	3-13	439P / 445P	"	3.0	0.54	0.83	7.30	0.45		.6	3	0	"
522	3-20	412P / 420P	"	4.0	0.80	0.91	7.40	0.73		.6	4	0	"

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F151-R

Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	3.5	0.7	0	24	10	0	0	0	0
2	0	0	0	3.2	0.6	0	17	9.6	0	0	0	0
3	0	0	0	10	14	0	9.6	10	0	0	0	0
4	0	0	0	7.5	2.4	0	6.1	8.9	0	0	0	0
5	0	0	0	5.1	0	0	3.4	8.2	0	0	0	0
6	0	0	0	5.1	0	0	3.4	6.1	0	0	0	0
7	0	0	0	3.7	0	0	2.4	6.1	0	0	0	0
8	0	0	0	3.0	0	0	0.6	6.1	0	0	0	0
9	0	0	0	2.4	0	0	0.4	8.2	0	0	0	0
10	0	0	0	2.1	0	0	0.3	8.2	0	0	0	0
11	0	0	0	4.7	0	0	0.2	7.5	0	0	0	0
12	0	0	0	7.5	0	0	0.3	5.4	0	0	0	0
13	0	0	0	6.1	0	0	0.3	4.0	0	0	0	0
14	0	0	0	5.4	0	0	0.4	3.0	0	0	0	0
15	0	0	0	6.1	0	0	0.4	3.0	0	0	0	0
16	0	0	0	5.4	0	0	0.5	2.4	0	0	0	0
17	0	0	0	5.4	0	0	18	1.8	0	0	0	0
18	0	0	0	5.4	0	0	32	1.8	0	0	0	0
19	0	0	0	4.7	0	0	34	1.4	0	0	0	0
20	0	0	0	3.4	0	0	39	0.7	0	0	0	0
21	0	0	[illegible]	5.0	0	0	31	0.5	0	0	0	0
22	0	0	[illegible]	3.7	0	0	20	0.3	0	0	0	0
23	0	0	[illegible]	3.4	0	0	16	0.2	0	0	0	0
24	0	0	[illegible]	2.4	0	0	15	0.1	0	0	0	0
25	0	0	[illegible]	1.6	0	0	14	0	0	0	0	0
26	0	0	[illegible]	1.4	0	0	13	0	0	0	0	0
27	0	0	[illegible]	1.4	0	0	13	0	0	0	0	0
28	0	0	[illegible]	1.6	0	0	14	0	0	0	0	0
29	0	0	[illegible]	2.1		0	13	0	0	0	0	0
30	0	0	[illegible]	0.6		99	12	0	0	0	0	0
31	0		[illegible]	0.7		92		0		0	0	
	0	0	079	134.6	17.7	101	303.5	113.5	0	0	0	0
MEAN	0	0	28.4	4.34	0.63	4.87	11.8	3.66	0	0	0	0
ACRE-FEET	0	0	1,740.	267.	35.	300.	701.	225.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.52
ACRE-FEET 3,270.

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

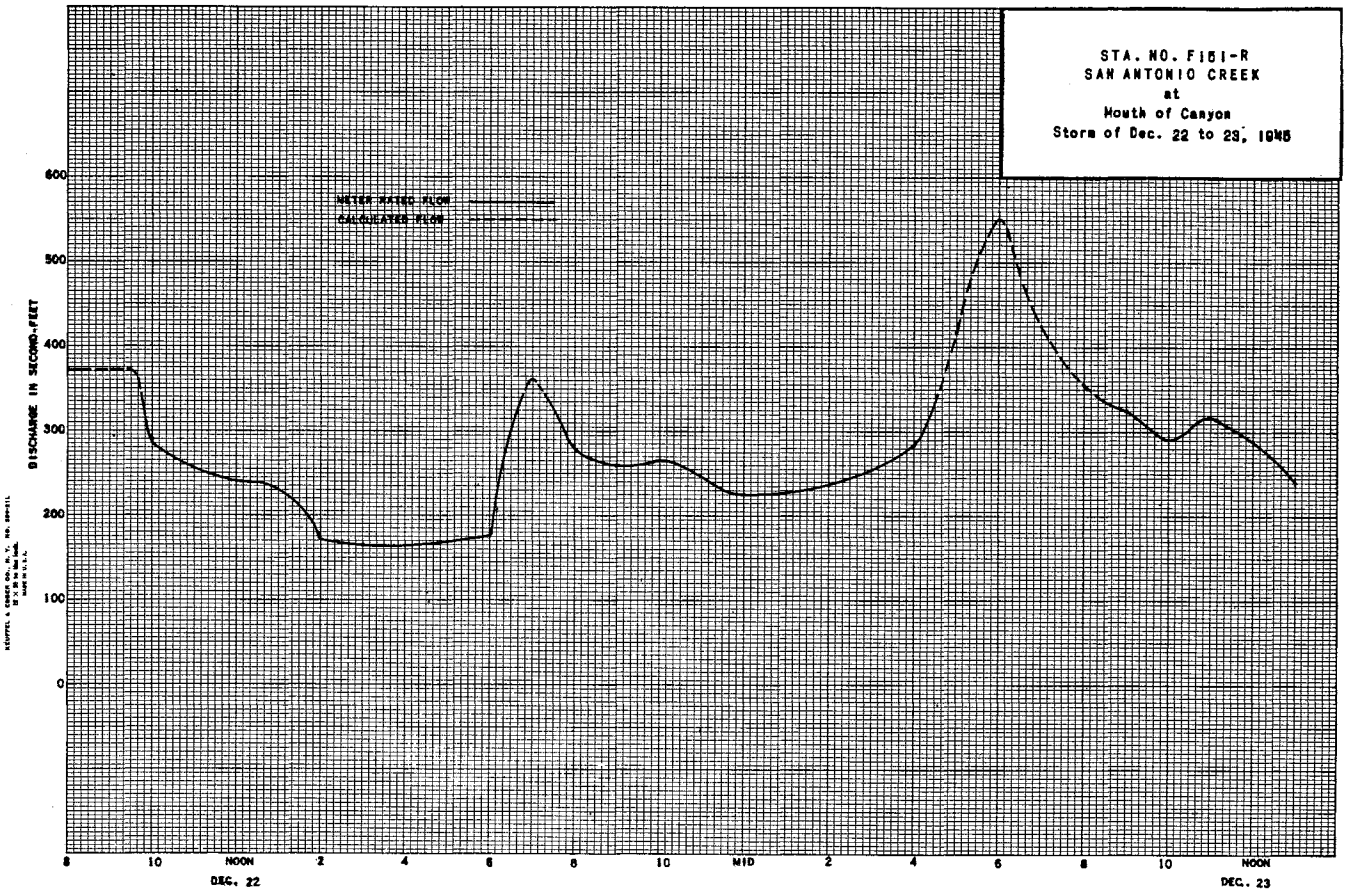
Sta. No. F 151-R

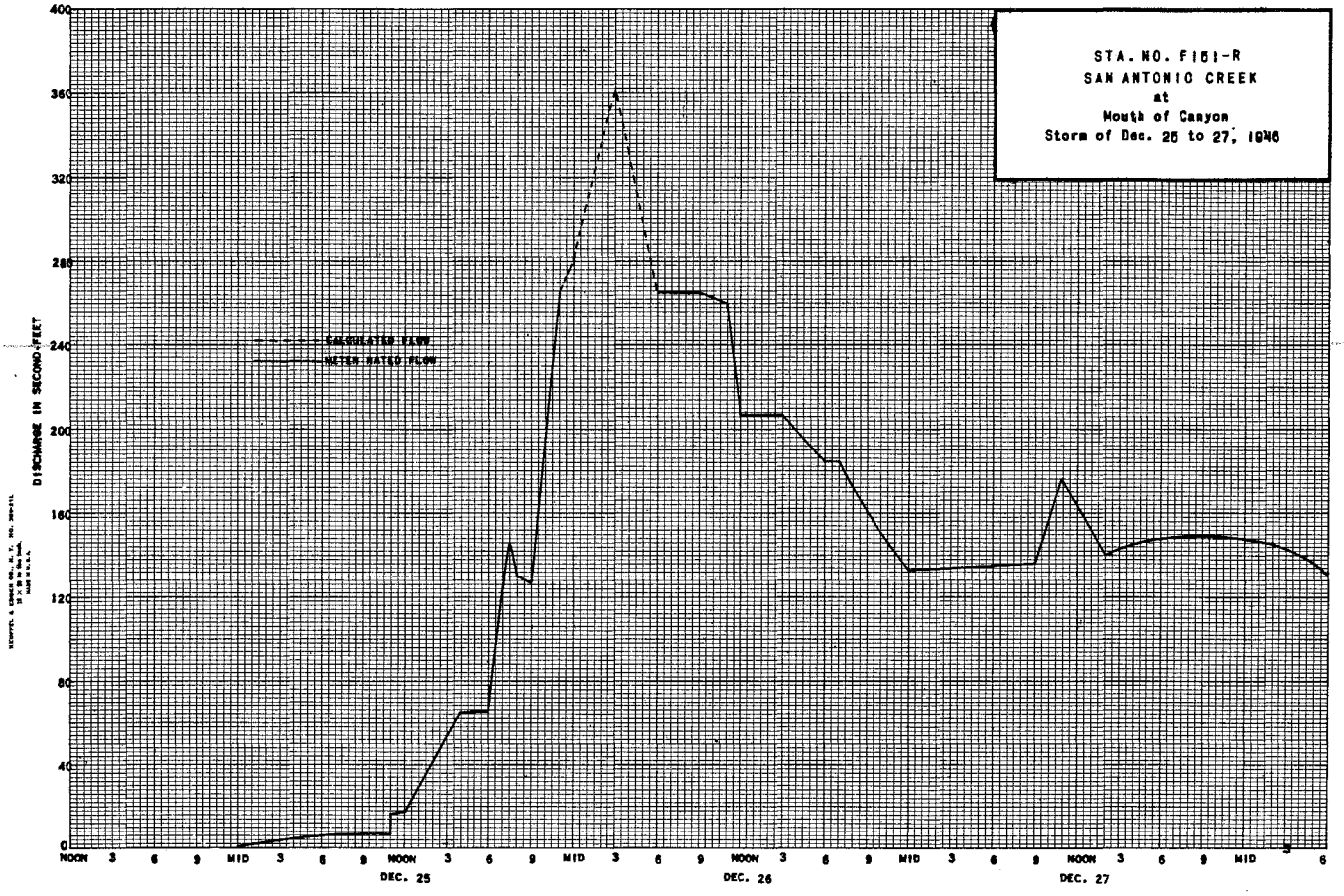
Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0	16	76	16	3.0	7.4	0	0	0	0	0
2	0	0	14	74	14	2.7	0	0	0	0	0	0
3	0	0	12	74	13	3.0	0	0	0	0	0	0
4	0	0	9.6	74	12	5.4	0	0	0	0	0	0
5	0	0	8.9	74	11	4.0	0	0	0	0	0	0
6	0	0	14	74	11	3.0	0	0	0	0	0	0
7	0	0	14	65	11	3.4	0	0	0	0	0	0
8	0	0	10	49	11	3.7	0	0	0	0	0	0
9	0	0	8.2	42	12	3.7	0	0	0	0	0	0
10	0	0	8.2	39	12	1.9	0	0	0	0	0	0
11	0	0	6.8	36	9.6	0.7	0	0	0	0	0	0
12	0	5.3	8.2	32	8.9	1.6	0	0	0	0	0	0
13	0	3.8	8.9	44	12	1.8	0	0	0	0	0	0
14	0	1.4	6.1	39	12	2.5	0	0	0	0	0	0
15	0	1.2	5.4	34	8.9	1.7	0	0	0	0	0	0
16	0	0	5.4	32	8.9	1.4	0	0	0	0	0	0
17	0	0	3.7	30	11	0.7	0	0	0	0	0	0
18	0	0	3.0	29	7.5	0.7	0	0	0	0	0	0
19	0	0	2.7	28	6.8	0.4	0	0	0	0	0	0
20	0	105	1.4	26	6.1	0.3	0	0	0	0	0	0
21	0	31	1.1	26	4.7	2.7	0	0	0	0	0	0
22	0	11	1.1	29	4.0	2.1	0	0	0	0	0	0
23	0	44	0.4	28	3.7	0.5	0	0	0	0	0	0
24	0	28	0.4	21	3.4	0.3	0	0	0	0	0	0
25	0	20	57	17	3.0	0.2	0	0	0	0	0	0
26	0	17	235	17	3.0	0	0	0	0	0	0	0
27	0	16	140	17	3.0	0	0	0	0	0	0	0
28	0	17	126	25	3.7	0	0	0	0	0	0	0
29	0	17	106	21		0	0	0	0	0	0	0
30	0	16	95	18		0	0	0	0	0	0	0
31	0		83	17		23		0		0	0	
	0.6	380.5	1011.5	1207.0	243.2	74.4	7.4	0	0	0	0	0
MEAN	0.02	12.7	32.6	38.9	8.69	2.40	0.25	0	0	0	0	0
ACRE-FEET	1.2	755	2,010	2,390	482	148	15	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 8.01
ACRE-FEET 5,800


STA. NO. F151-R
SAN ANTONIO CREEK
at
Mouth of Canyon
Storm of Dec. 22 to 23, 1945
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
NOON
DEC. 22
DEC. 23


STA. NO. F151-R
SAN ANTONIO CREEK
at
Mouth of Canyon
Storm of Dec. 25 to 27, 1945
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
400
360
320
280
240
200
160
120
80
40
0
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
6
DEC. 25
DEC. 26
DEC. 27

STATION U10-R
SAN DIMAS CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°08'45", LONG. 117°46'35", IN SW 1/4 NE 1/4 SEC. 25, T. 1 N., R. 9 W., AT MOUTH OF SAN DIMAS CANYON, 0.7 MILE DOWNSTREAM FROM FLOOD CONTROL RESERVOIR AND 3 MILES NORTHEAST OF SAN DIMAS. ALTITUDE OF GAGE, ABOUT 1,245 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

RECORDS AVAILABLE: APRIL TO SEPTEMBER 1916. (DISCHARGE MEASUREMENTS ONLY). DECEMBER 1916 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 29 YEARS (1917-46), 5.12 SECOND FEET.
30 " (1916-47) 5.09 " "

EXTREMES:
1945-1946
MAXIMUM DISCHARGE, ABOUT 250 SECOND-FEET, DECEMBER 23.
MINIMUM DAILY DISCHARGE, 0.2 SECOND-FOOT, JANUARY 18-23.
1946-1947
MAXIMUM DISCHARGE, 67 SECOND-FEET, DECEMBER 26 (GAGE HEIGHT 1.86 FEET).
MINIMUM DAILY DISCHARGE, LESS THAN 0.1 SECOND-FOOT FOR MANY DAYS.
1916-1947
MAXIMUM DISCHARGE (REVISED), 5,000 SECOND-FEET MARCH 2, 1938 FROM RECORDS OF RELEASE AT SAN DIMAS FLOOD CONTROL DAM AND COMPUTED INFLOW BETWEEN DAM AND GAGING STATION. NO FLOW FOR SEVERAL MONTHS DURING MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN DIMAS DAM ABOVE STATION. SAN DIMAS WATER COMPANY DIVERTS WATER JUST BELOW GAGE FOR IRRIGATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, 89 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

~~AT NEAR~~ Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1673	10-5		U.S.G.S.	19.	5.5	.35	.30	1.94	.6	19	0		
1674	10-10		"	19.	5.4	.37	.28	1.98	.6	19	0		
1675	10-18		"	18.	5.2	.35	.28	1.81	.6	18	0		
1676	10-25		"	18.	5.52	.33	.28	1.85	.6	18	0		
1677	10-31		"	2.3	.69	1.94	.24	1.34	.6	5	0		
1678	11-9		"	2.3	.64	2.12	.25	1.36	.6	5	0		
1679	11-15		"	2.3	.54	1.96	.24	1.06	.6	5	0		
1680	11-23		"	2.3	.52	1.87	.21	.97	.6	5	0		
1681	11-26		"	2.2	.53	1.62	.20	.86	.6	5	0		
1682	12-3		"	7.3	1.60	1.00	.21	1.60	.6	15	0		
1683	12-14		"	8.0	2.10	.77	.25	1.62	.6	10	0		
1684	12-14		"	2.3	.63	2.00	.25	1.26	.6	5	0		
1685	12-21		"	8.0	2.20	.81	.27	1.78	.6	8	0		
1686	12-29		"	18.	7.7	.88	.66	6.8	.6	18	0		
1687	1-9		BREWSTER	2.0	.57	.51	.08	.29	.6	4	0		FC12
1688	1-16		"	2.0	.66	.59	.10	.39	.6	4	0		"
1689	1-23		"	2.0	.66	.50	.07	.33	.6	4	0		"
1690	1-30		"	4.0	1.73	.99	.19	1.71	.6	5	0		"
1691	1-30		U.S.G.S.	4.0	1.50	.87	.21	1.31	.6	8	0		
1692	2-6		BREWSTER	18.	10.4	.96	.84	10.0	.6	9	0		FC12
1693	2-7		U.S.G.S.	20.	11.2	1.07	.86	12.0	.6	11	0		
1694	2-13		BREWSTER	16.	5.7	.54	.29	3.08	.6	8	0		FC12
1695	2-14		U.S.G.S.	14.	7.2	0.35	0.41	2.53	.6	13	0		
1696	2-20		BREWSTER	8.0	3.90	.74	.30	2.87	.6	8	-.07		FC12
1697	2-20		U.S.G.S.	7.5	3.22	.70	.27	2.36	.6	9	0		
1698	2-27		BREWSTER	7.0	2.82	.91	.29	2.57	.6	7	0		FC12
1699	2-28		U.S.G.S.	8.0	2.78	.87	.28	2.42	.6	12	0		
1700	3-6		BREWSTER	8.0	3.05	.77	.28	2.36	.6	8	0		FC12
1701	3-7		U.S.G.S.	8.0	2.67	.78	.28	2.09	.6	14	0		
1702	3-13		BREWSTER	7.0	3.55	1.15	.48	4.07	.6	7	+.01		FC12
1703	3-14		U.S.G.S.	8.5	3.66	1.07	.47	3.92	.6	17	0		
1704	3-20		BREWSTER	8.0	3.81	1.18	.48	4.48	.6	8	0		FC12
1705	3-21		U.S.G.S.	4.0	.61	.70	.08	.43	.6	8	0		
1706	3-27		BREWSTER	4.0	1.32	.99	.17	1.31	.6	4	0		FC12
1707	3-28		U.S.G.S.	5.5	1.84	1.15	.26	2.11	.6	11	0		
1708	3-31		"	5.5	2.17	1.45	.41	3.14	.6	10	0		
1709	4-3		BREWSTER	4.0	1.43	1.08	.18	1.54	.6	4	0		FC12
1710	4-4		"	26.	35.8	3.07	2.12	110.	.6	9	0		"
1711	4-4		U.S.G.S.	32.5	40.6	2.66	2.12	108.	.6	20	+.01		
1712	4-10		BREWSTER	2.0	.79	1.18	.11	.93	.6	4	0		FC12
1713	4-12		U.S.G.S.	2.0	.80	1.01	.09	.81	.6	4	0		
1714	4-17		BREWSTER	2.0	.75	1.05	.07	.79	.6	4	0		FC12
1715	4-18		U.S.G.S.	2.0	.76	.96	.07	.73	.6	4	0		
1716	4-24		BREWSTER	2.0	.70	.86	.05	.60	.6	4	0		FC12
1717	4-25		U.S.G.S.	2.0	.68	.59	.06	.40	.6	4	D		
1718	5-1		BREWSTER	4.0	1.39	1.24	0.21	1.73	.6	4	0		FC12
1719	5-2		U.S.G.S.	4.0	1.48	1.21	.21	1.79	.6	8	0		
1720	5-8		BREWSTER	4.0	1.83	1.42	.41	2.59	.6	4	0		FC12
1721	5-10		U.S.G.S.	4.0	1.84	1.32	.30	2.42	.6	8	0		
1722	5-15		BREWSTER	4.0	1.79	1.34	.28	2.40	.6	4	0		FC12
1723	5-16		U.S.G.S.	4.0	1.68	1.35	.28	2.26	.6	8	0		
1724	5-22		BREWSTER	4.0	1.98	1.25	.40	2.48	.6	4	0		FC12
1725	5-22		U.S.G.S.	4.0	1.77	1.28	.28	2.27	.6	8	0		
1726	5-28		"	4.0	2.00	1.29	.28	2.58	.6	8	0		
1727	5-29		BREWSTER	4.0	1.91	1.19	.29	2.28	.6	4	0		FC12
1728	6-6		"	4.0	1.89	1.20	.36	2.27	.6	4	0		"
1729	6-6		U.S.G.S.	5.3	2.08	1.22	.36	2.55	.6	10	0		
1730	6-10		"	4.5	1.85	1.16	.37	2.15	.6	9	0		
1731	6-12		BREWSTER	4.0	1.84	1.22	.38	2.24	.6	4	0		FC12
1732	6-17		U.S.G.S.	4.5	1.78	1.15	.39	2.04	.6	9	0		
1733	6-19		BREWSTER	4.0	1.98	1.34	.44	2.66	.6	4	0		FC12
1734	6-24		U.S.G.S.	4.5	1.91	1.30	.28	2.48	.6	9	0		
1735	6-26		BREWSTER	4.0	1.91	1.40	.27	2.68	.6	4	0		FC12
1736	7-3		"	4.0	1.93	1.41	.29	2.72	.6	4	0		"
1737	7-5		U.S.G.S.	4.4	1.54	1.49	.41	2.29	.6	10	0		
1738	7-8		U.S.G.S.	4.0	1.60	1.58	.33	2.53	.6	8	0		
1739	7-10		BREWSTER	4.0	1.57	1.54	.33	2.41	.6	4	0		FC12
1740	7-15		U.S.G.S.	4.0	1.60	1.43	.33	2.29	.6	8	0		
1741	7-17		BREWSTER	4.0	1.66	1.45	0.33	2.41	.6	4	0		FC12
1742	7-24		"	4.0	1.64	1.45	.33	2.38	.6	4	0		"
1743	7-25		U.S.G.S.	4.0	1.60	1.44	.32	2.31	.6	8	0		
1744	7-31		BREWSTER	4.0	1.64	1.41	.32	2.32	.6	4	0		FC12
1745	8-1		U.S.G.S.	4.0	1.60	1.42	.31	2.27	.6	8	0		
1746	8-7		BONADIMAN	15.	10.6	.29	.34	3.10	.6	7	0		FC19
1747	8-8		U.S.G.S.	4.9	1.73	1.39	.32	2.41	.6	8	0		
1748	8-14		BONADIMAN	6.0	1.76	1.15	.31	2.03	.6	6	0		FC19
1749	8-15		U.S.G.S.	4.8	1.50	1.63	.31	2.44	.6	10	0		
1750	8-21		BONADIMAN	5.0	1.70	1.40	.29	2.38	.6	5	0		FC19
1751	8-21		"	4.0	1.72	1.18	.29	2.04	.6	4	0		"
1752	8-22		U.S.G.S.	4.6	2.01	1.27	.29	2.56	.6	9	0		
1753	8-28		BREWSTER	4.0	1.93	1.30	.28	2.50	.6	4	0		FC12
1754	8-29		U.S.G.S.	4.7	1.95	1.40	.29	2.73	.6	10	0		
1755	9-4		BREWSTER	4.0	1.86	1.31	.29	2.43	.6	4	0		FC12
1756	9-6		U.S.G.S.	4.6	2.11	1.43	.31	3.02	.6	11	0		
1757	9-10		BREWSTER	4.0	1.95	1.30	.29	2.53	.6	4	0		FC12
1758	9-12		U.S.G.S.	4.5	1.89	1.35	.29	2.55	.6	10	0		
1759	9-18		BREWSTER	4.0	1.87	1.30	.30	2.44	.6	4	0		FC12
1760	9-18		U.S.G.S.	4.0	1.86	1.38	.30	2.57	.6	10	0		
1761	9-25		BREWSTER	4.0	2.31	1.93	.45	4.46	.6	4	0		FC12
1762	9-25		U.S.G.S.	4.6	2.33	2.09	.45	4.86	.6	11	0		

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

~~AT NEAR~~ at Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1763	10-2	1030A / 1038A	BREWSTER / VAN DER GOOT	4.0	2.33	2.00	0.50	4.65		.6	4	0	FC12
1764	10-2		U.S.G.S.	4.4	2.25	2.27	0.50	5.1		.6	9	0	
1765	10-9		"	4.0	1.92	2.12	0.43	4.07		.6	8	0	
1766	10-9	143P / 155P	BREWSTER	4.0	1.97	1.75	0.43	3.44		.6	4	0	FC12
1767	10-16	1225P / 1240P	"	4.0	2.20	1.95	0.46	4.3		.6	4	0	"
1768	10-16		U.S.G.S.	4.2	2.15	2.25	0.46	4.83		.6	9	0	
1769	10-23		"	4.0	1.78	1.75	0.35	3.11		.6	8	0	
1770	10-23	1230 / 1245P	BREWSTER	4.0	1.80	1.56	0.35	2.8		.6	4	0	FC12
1771	10-30		U.S.G.S.	4.0	1.75	1.82	0.35	3.18		.6	10	0	
1772	10-30	108P / 120P	BREWSTER	4.0	1.72	1.69	0.35	2.9		.6	4	0	FC12
1773	11-6	1240P / 1252P	"	4.0	1.85	1.46	0.32	2.7		.6	4	0	"
1774	11-7		U.S.G.S.	4.0	1.84	1.56	0.32	2.87		.6	9	0	
1775	11-13	907A / 915A	BREWSTER / VINES	4.0	1.27	1.10	0.18	1.4		.6	4	+.01	FC12
1776	11-13		U.S.G.S.	4.0	1.61	1.37	0.28	2.21		.6	16	0	
1777	11-20	507P / 523P	BREWSTER / VINES	22.0	21.6	1.49	1.52	32.2		.6	7	0	FC12
1778	11-21		U.S.G.S.	18.8	11.5	3.11	1.78	35.8		.6 2-8	16	0	
1779	11-27	110P / 122P	BREWSTER	4.0	1.41	0.99	0.14	1.4		.6	4	0	FC12
1780	11-27		U.S.G.S.	4.0	1.28	0.77	0.13	0.98		.6	8	0	
1781	12-4	130P / 140P	BREWSTER	2.0	0.56	0.82	0.06	0.46		.6	4	0	FC12
1782	12-5		U.S.G.S.	1.8	0.48	0.56	0.05	0.27		.5	6	0	
1783	12-11	1255P / 105P	BREWSTER	2.0	0.52	0.77	0.06	0.40		.6	4	0	FC12
1784	12-11		U.S.G.S.	1.8	0.40	0.60	0.06	0.24		.6	6	0	
1785	12-18	140P / 150P	BREWSTER	2.0	0.63	0.89	0.08	0.56		.6	4	0	FC12
1786	12-19		U.S.G.S.	1.5	0.45	0.76	0.08	0.34		.6	3	0	
1787	12-26		"	22	27.4	2.09	1.77	57.2		.6	22	0	
1788	12-27	440P / 500P	BREWSTER / VINES	18	16.4	1.37	1.36	22.4		.6	9	0	FC12
1789	12-31		U.S.G.S.	22	19.2	1.10	1.27	21.1		.6	13	0	
1790	1-2	240P / 300P	BREWSTER	17	10.3	1.00	0.82	10.3		.6	9	0	FC12
1791	1-3		U.S.G.S.	20	13.0	0.81	0.80	10.5		.6	14	0	
1792	1-8	110P / 122P	BREWSTER	4.0	2.35	1.40	0.28	3.3		.6	4	0	FC12
1793	1-15	1235P / 1245P	"	4.0	2.41	1.29	0.29	3.1		.6	4	0	"
1794	1-16		U.S.G.S.	5.0	2.14	1.31	0.31	2.81		.6	13	0	
1795	1-22	1255P / 107P	BREWSTER	4.0	2.21	1.38	0.30	3.1		.6	4	0	FC12
1796	1-29	116P / 137P	"	18	11.8	0.90	0.79	10.6		.6	9	0	"
1797	1-30		U.S.G.S.	17	14.3	0.71	0.79	10.1		.6	17	0	
1798	2-5	1118A / 1130A	BREWSTER	4.0	2.42	1.57	0.38	3.8		.6	4	0	FFC12
1799	2-11		U.S.G.S.	4.8	2.28	1.71	0.40	3.89		.6	10	0	
1800	2-12	1231P / 1245P	BREWSTER	5.0	2.46	1.54	0.40	3.8		.6	5	0	FC12
1801	2-19	1143A / 1155A	"	5.0	2.55	1.49	0.38	3.8		.6	5	0	"
1802	2-27		U.S.G.S.	4.9	2.16	1.64	0.39	3.55		.6	10	+.01	
1803	2-27	1246P / 1258P	BREWSTER	5.0	2.47	1.49	0.39	3.7		.6	5	0	FC12
1804	3-6	213P / 225P	"	5.0	2.37	1.56	0.38	3.7		.6	5	0	"
1805	3-13		U.S.G.S.	5.0	2.24	1.71	0.36	3.82		.6	10	0	
1806	3-13	200P / 215P	BREWSTER	5.0	2.38	1.60	0.35	3.8		.6	5	0	FC12
1807	3-20	1154A / 1206P	"	5.0	2.37	1.56	0.36	3.7		.6	5	0	FC12
1808	3-27	1244P / 1256P	"	5.0	2.36	1.57	0.37	3.7		.6	5	0	FC12
1809	3-28		U.S.G.S.	4.8	2.36	1.82	0.41	4.29		.6	10	0	
1810	4-3	1120A / 1132A	BREWSTER	5.0	2.50	1.52	0.39	3.8		.6	5	0	FC12
1812	4-11		U.S.G.S.	4.0	2.18	1.63	0.44	3.56		.6	8	0	
1813	4-17	1120A / 1132A	BREWSTER	4.0	2.37	1.86	0.52	4.4		.6	4	0	FC12
1814	4-23	224P / 236P	"	4.0	2.43	1.86	0.46	4.5		.6	4	0	"
1815	4-25		U.S.G.S.	4.1	2.38	1.64	0.45	3.91		.6	9	0	
1816	5-1	955A / 1005A	BREWSTER	4.0	2.35	1.79	0.46	4.2		.6	4	0	FC12
1817	5-8	1100A / 1111A	"	4.0	2.39	1.80	0.44	4.3		.6	4	0	FC12
1818	5-9		U.S.G.S.	4.1	2.41	1.83	0.43	4.40		.6	11	0	
1819	5-14	1110A / 1120A	BREWSTER	4.0	2.40	1.75	0.45	4.2		.6	4	0	FC12
1820	5-22	1020A / 1030A	"	4.0	2.33	1.76	0.42	4.1		.6	4	0	"
1821	5-22		U.S.G.S.	4.1	2.49	1.73	0.42	4.32		.6	11	0	
1822	5-28	1026A / 1038A	BREWSTER	4.0	2.37	1.69	0.41	4.0		.6	4	0	FC12
1823	6-4	140P / 150P	"	4.0	2.33	1.76	0.42	4.1		.6	4	0	"
1824	6-5		U.S.G.S.	4.0	2.46	1.80	0.43	4.44		.6	9	0	
1825	6-11	1145A / 1155A	WADDICOR	4.0	2.41	1.70	0.42	4.11		.6	4	0	FC12
1826	6-18	1130A / 1140A	"	4.0	2.43	1.65	0.39	4.0		.6	4	0	"
1827	6-19		U.S.G.S.	5.1	2.34	1.57	0.38	3.68		.6	10	0	
1828	6-24	1140 / 1150A	WADDICOR	4.0	1.91	0.94	0.31	1.8		.6	4	0	FC12
1829	6-30		U.S.G.S.	1.8	0.69	0.87	0.13	0.60		.6	7	0	
1830	7-2	1240P / 1250P	BREWSTER	1.9	0.69	1.06	0.14	0.73		.6	4	0	FC12
1831	7-9	1143A / 1148A	"	0.5	0.12	0.75	0.03	0.09		.6	1	0	"
1832	7-15		U.S.G.S.				0.01	0.01		EST			
1833	7-16	316P / 320P	BREWSTER	0.5	0.10	0.50	0.01	0.05		.6	1	0	FC12
1834	7-23	1230P / 1235P	"	0.5	0.10	0150	0.02	0.05		.6	1	0	"
1835	7-29		U.S.G.S.	0.3	0.36	0.42		0.015		.5	3		
1836	7-30	1130 / 1135A	BREWSTER	0.5	0.11	0.18		0.02		.6	1		FC12
1837	8-27	1258P / 102P	"	0.5	0.11	0.27	-0.01	0.03		.6	1	0	"
1838	9-8		U.S.G.S.	6.8	3.81	1.53	0.54	5.8		.6	12	0	
1839	9-10	1255P / 110P	BREWSTER	6.0	3.33	1.44	0.53	4.8		.6	6	0	FC12
1840	9-17	1239P / 1245P	"	1.0	0.25	0.92	0.05	0.23		.6	2	0	"
1841	9-22		U.S.G.S.	0.7	0.10	0.32	0.01	0.032		.5	4	0	
1842	9-24	1225P / 1230P	BREWSTER	0.5	0.10	0.20	0.00	0.02		.6	1	0	FC12
1811	4-10	1112A / 1124A	"	5.0	2.43	1.56	0.47	3.8		.6	5	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U10-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.5	1.8	1.5	6.7	1.6	2.4	1.8	1.9	2.5	2.6	2.5	2.7
2	4.3	1.8	1.6	6.7	1.9	2.4	2.4	1.9	2.5	2.6	2.6	2.7
3	5.1	1.8	1.6	6.7	2.7	2.4	1.6	1.9	2.5	2.7	2.7	2.7
4	2.2	1.8	1.6	2.7	4.6	2.4	4.2	1.9	2.5	2.7	2.7	2.7
5	2.2	1.8	1.7	0.3	11	2.4	4.5	2.4	2.5	2.7	2.7	2.7
6	2.3	1.9	1.7	0.4	11	2.4	1.3	2.6	2.5	2.6	2.8	2.8
7	2.3	1.9	1.7	0.4	11	2.4	1.2	2.6	2.5	2.6	3.0	2.7
8	2.2	1.9	1.8	0.4	11	2.3	1.2	2.6	2.5	2.6	3.0	2.6
9	2.0	1.9	1.8	0.3	8.4	2.3	1.1	2.6	2.4	2.7	2.8	2.6
10	1.9	1.9	1.9	0.3	3.8	3.0	1.0	2.6	1.3	2.7	2.7	2.6
11	1.9	1.9	1.9	0.3	3.8	3.8	1.0	2.5	1.3	2.6	2.6	2.6
12	1.8	1.9	2.0	0.4	3.4	3.9	1.0	2.5	2.4	2.6	2.5	2.6
13	1.8	1.9	2.0	0.4	3.3	4.1	1.0	2.4	2.3	2.5	2.5	2.6
14	1.8	1.8	2.0	0.4	3.0	3.9	0.9	2.4	2.3	2.4	2.4	2.6
15	1.8	1.8	2.0	0.4	2.7	4.1	0.8	2.4	2.3	2.5	2.4	2.6
16	1.7	1.8	2.0	0.4	2.8	4.2	0.8	2.4	2.3	2.5	2.4	2.7
17	1.8	1.8	2.0	0.3	2.8	4.2	0.7	2.4	2.2	2.6	2.4	2.7
18	1.8	1.8	1.9	0.2	2.7	4.2	0.7	2.4	2.4	2.7	2.4	2.7
19	1.9	1.7	1.9	0.2	2.5	4.3	0.7	2.5	2.7	2.7	2.4	2.6
20	2.0	1.6	1.9	0.2	2.4	3.2	0.7	2.5	2.8	2.7	2.5	3.9
21	2.0	1.6	3.0	0.2	2.3	0.4	0.6	2.5	2.8	2.6	2.5	5.3
22	2.0	1.6	85	0.2	2.2	0.4	0.6	2.5	2.8	2.6	2.5	5.1
23	2.0	1.6	165	0.2	2.3	0.5	0.5	2.4	2.8	2.6	2.5	5.1
24	1.9	1.5	75	0.3	2.4	0.6	0.5	2.4	2.7	2.6	2.5	5.1
25	1.9	1.5	20	0.3	2.4	0.6	0.6	2.4	2.6	2.6	2.5	5.0
26	1.9	1.5	9.0	0.3	2.4	0.6	1.6	2.4	2.6	2.6	2.6	5.0
27	1.9	1.5	2.0	0.3	2.5	1.5	2.8	2.4	2.5	2.6	2.6	5.0
28	1.9	1.5	5.5	0.4	2.4	2.4	2.8	2.4	2.6	2.6	2.6	5.0
29	1.9	1.5	7.0	0.4		2.4	2.5	2.5	2.5	2.6	2.6	5.1
30	1.9	1.5	6.7	1.0		14	1.9	2.5	2.5	2.6	2.6	5.3
31	1.8		6.7	1.7		22		2.5		2.6	2.7	
	68.4	51.8	421.4	33.4	115.3	109.7	121.3	74.3	75.1	80.9	80.2	105.4
MEAN	2.21	1.73	13.6	1.08	4.12	3.54	4.04	2.40	2.50	2.61	2.59	3.51
ACRE-FEET	136.	103.	836.	66.	229.	218.	241.	147.	149.	160.	159.	209.

Remarks:

YEAR OR PERIOD MEAN 3.66
ACRE-FEET 2,650.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 10-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.1	3.1	0.5	21	10	3.7	3.8	4.2	4.2	0.7		
2	4.8	3.0	0.4	16	10	3.7	3.8	4.2	4.3	0.9		
3	5.4	2.8	0.4	10	6.6	3.7	3.8	4.3	4.3	1.0		0.02
4	5.0	2.8	0.4	9.7	3.8	3.7	3.9	4.3	4.3	0.9		
5	4.8	2.8	0.3	9.0	3.8	3.7	4.1	4.5	4.3	0.9		
6	4.3	2.8	0.4	8.8	3.8	3.7	4.0	4.5	4.2	0.6		2.3
7	3.9	2.8	0.4	8.6	3.8	3.7	3.9	4.5	4.2	0.2		5.3
8	3.9	2.8	0.4	5.2	3.8	3.7	3.9	4.5	4.1	0.1		5.4
9	3.7	2.8	0.4	3.2	3.9	3.7	3.8	4.5	4.1	0.1		5.5
10	3.6	2.8	0.4	3.1	3.9	3.7	3.7	4.5	4.1	0.1		5.3
11	3.9	2.1	0.4	3.1	3.9	3.8	3.7	4.5	4.1			5.4
12	3.9	1.1	0.4	3.0	3.9	3.8	3.9	4.3	4.1			5.3
13	3.9	10	0.4	2.8	3.9	3.8	4.2	4.3	3.9			3.8
14	4.3	31	0.4	2.8	3.9	3.8	4.3	4.2	3.9			0.2
15	4.6	30	0.4	2.8	3.9	3.7	4.6	4.1	3.9		0.02	0.1
16	4.6	16	0.4	3.0	3.9	3.7	4.5	4.1	3.8			1.1
17	4.6	0.5	0.4	3.0	3.9	3.6	4.5	4.1	3.8			0.2
18	4.6	0.4	0.4	3.0	3.8	3.6	4.7	4.1	3.8			0.1
19	4.2	0.4	0.4	3.1	3.8	3.7	4.6	4.1	3.7			0.1
20	2.8	22	4.6	3.1	3.8	3.7	4.5	4.1	2.8	0.04		0.1
21	2.8	36	7.3	3.1	3.8	3.7	4.6	4.3	1.8			
22	2.8	34	7.3	3.1	3.7	3.7	4.6	4.2	1.7			
23	3.0	34	7.3	3.1	3.7	3.7	4.3	4.2	1.7			
24	2.8	25	7.3	3.1	3.7	3.7	4.3	4.1	1.8			
25	3.0	20	3.8	3.1	3.7	3.7	4.2	4.1	1.6			0.03
26	3.0	18	5.9	3.1	3.7	3.7	4.2	4.1	1.5			
27	3.2	7.1	4.4	3.1	3.7	3.7	4.3	4.1	1.1			
28	3.2	0.9	2.3	6.3	3.7	3.9	4.3	3.9	0.7			
29	3.1	0.6	2.3	10		3.9	4.3	3.9	0.7			
30	3.1	0.6	2.2	10		3.9	4.3	4.1	0.6			
31	3.1		2.1	10		3.9		4.1				
	119.2	318.2	271.4	182.3	121.8	115.7	125.6	131.0	93.1	6.34	0.62	40.60
MEAN	3.85	10.6	8.75	5.88	4.35	3.73	4.19	4.23	3.10	0.205	0.02	1.35
ACRE-FEET	236	631	538	362	242	229	249	260	185	13	1.2	81

Remarks:

YEAR OR PERIOD MEAN 4.18
ACRE-FEET 3,030

STATION F218-R

SAN DIMAS WASH below Puddingstone Diversion Dam

LOCATION: WATER-STAGE RECORDER. LAT. 34°07'52". LONG. 117°46'58". ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM. ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF GAGE ABOUT 1130 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES, 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL - 3 FT. X 3 FT. SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: INSTALLED NOVEMBER 28, 1945 IN A WOODEN HOUSE OVER A 2 FT. X 4 FT. CONCRETE STILLING WELL. A RATIONAL HORIZONTAL WEEKLY RECORDER WAS IN SERVICE FROM NOVEMBER 28, 1945 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. INFLOW TO PUDDINGSTONE DIVERSION DAM IS REGULATED BY SAN DIMAS DAM. SAN DIMAS WATER CO. DIVERTS WATER FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1947.
SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 42 SECOND-FEET APRIL 4.
MINIMUN NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 9.8 SECOND-FEET DECEMBER 27 TO JANUARY 2.
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 SAN DIMAS WASH

~~AT~~ NEAR below Puddingstone Div. Dam DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
28	12/24	1044A / 1100A	BREWSTER	6.0	11.4	1.94	1.08	22.2		.6	7	0	FC12
29	12/25	800A / 820A	"	12.0	16.0	1.44	1.08	23.0		.6	7	0	"
30	12/26	1240P / 1255P	"	6.0	7.68	1.34	0.62	10.3		.6	7	0	"
31	1/2	110P / 120P	"	4.0	1.49	1.01	0.16	1.5		.6	4	0	"
32	4/4	410P / 424P	"	6.0	16.8	2.47	1.68	41.5		.6	6	0	"

DISCHARGE MEASUREMENTS OF SAN DIMAS WASH

~~AT~~ NEAR below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
33	11-16	920A / 930A	BREWSTER	6.0	5.64	0.96	0.38	5.4		.6	6	0	FC12
34	11-22	115P / 130P	"	6.0	6.72	1.16	0.50	7.8		.6	6	0	"
35	12-26	508P / 520P	"	6.0	7.44	1.32	0.60	9.8		.6	6	0	"
36	1-8	1215P / 1230P	"	6.0	6.36	1.16	0.50	7.4		.6	6	0	"
37	1-15	1112A / 1120A	"	2.0	0.41	0.98	0.05	0.40		.6	4	0	"
38	1-22	1130A / 1135A	"	1.5	0.36	0.86	0.04	0.31		.6	3	0	"
39	1-29	1128A / 1140A	"	6.0	6.00	1.07	0.45	6.4		.6	6	0	"
40	2-5	1002A / 1010A	"	1.5	0.36	1.58	0.08	0.57		.6	3	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 19 46

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	0.7	0	0	0	0	0	0	0	0
3	0	0	0	1.4	0	0	0	0	0	0	0	0
4	0	0	0	0.4	0	0	13	0	0	0	0	0
5	0	0	0	0	0	0	17	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	1.4	0	0	0	0	0	0	0
9	0	0	0	0	4.9	0	0	0	0	0	0	0
10	0	0	0	0	4.3	0	0	0	0	0	0	0
11	0	0	0	0	3.7	0	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	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	7.9	0	0	0	0	0	0	0	0	0
23	0	0	22	0	0	0	0	0	0	0	0	0
24	0	0	22	0	0	0	0	0	0	0	0	0
25	0	0	18	0	0	0	0	0	0	0	0	0
26	0	0	7.6	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0		775		14.4		30		0		0	
		0		2.5		0		0		0		0
MEAN	0	0	2.50	0.81	0.51	0	1.00	0	0	0	0	0
ACRE-FEET	0	0	154.	5.0	29.	0	60.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.34
ACRE-FEET 247.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	3.2	9.8	6.7	0	0	0	0	0	0	0
2	0	0	0	9.8	7.1	0	0	0	0	0	0	0
3	0	0	0	9.6	6.7	0	0	0	0	0	0	0
4	0	0	0	8.6	2.7	0	0	0	0	0	0	0
5	0	0	0	8.2	0.6	0	0	0	0	0	0	0
6	0	0	0	7.7	0.5	0	0	0	0	0	0	0
7	0	0	0	7.5	1.2	0	0	0	0	0	0	0
8	0	0	0	7.3	1.3	0	0	0	0	0	0	0
9	0	0	0	3.6	0.8	0	0	0	0	0	0	0
10	0	0	0	1.0	0	0	0	0	0	0	0	0
11	0	0	0	0.5	0	0	0	0	0	0	0	0
12	0	0	0	0.4	0	0	0	0	0	0	0	0
13	0	0	0	0.4	0	0	0	0	0	0	0	0
14	0	1.4	0	0.4	0	0	0	0	0	0	0	0
15	0	5.0	0	0.4	0	0	0	0	0	0	0	0
16	0	5.4	0	0.3	0	0	0	0	0	0	0	0
17	0	4.9	0	0.3	0	0	0	0	0	0	0	0
18	0	4.3	0	0.3	0	0	0	0	0	0	0	0
19	0	0.9	0	0.3	0	0	0	0	0	0	0	0
20	0	0.3	0	0.3	0	0	0	0	0	0	0	0
21	0	4.8	0	0.3	0	0	0	0	0	0	0	0
22	0	7.7	0	0.3	0	0	0	0	0	0	0	0
23	0	7.7	0	0.3	0	0	0	0	0	0	0	0
24	0	7.7	0	0.3	0	0	0	0	0	0	0	0
25	0	3.6	0	0.3	0	0	0	0	0	0	0	0
26	0	0	3.9	0.3	0	0	0	0	0	0	0	0
27	0	0	9.8	0.3	0	0	0	0	0	0	0	0
28	0	0	9.8	2.1	0	0	0	0	0	0	0	0
29	0	2.2	9.8	6.2		0	0	0	0	0	0	0
30	0	4.3	9.8	6.4		0	0	0	0	0	0	0
31	0		9.8	6.4		0		0		0	0	
	0		561		27.6		0		0		0	
		602		999		0		0		0		0
MEAN	0	2.01	1.81	3.22	0.99	0	0	0	0	0	0	0
ACRE-FEET	0	119	111	198	55	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 483

STATION F209-R
SAN GABRIEL RIVER-WEST FORK below San Gabriel Dam #2

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'39", LONG. 117°57'25", ON THE LEFT (NORTHEAST) BANK OF THE WEST FORK OF THE SAN GABRIEL RIVER ABOUT 7 MILES ABOVE JUNCTION OF THE EAST AND WEST FORKS AND 0.5 MILE DOWNSTREAM FROM SAN GABRIEL DAM NO. 2. ELEVATION OF ZERO GAGE HEIGHT, 2083.37 FEET.

DRAINAGE AREA: 41.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. CONTROL - CONCRETE CONTROL WITH LOW FLOW NOTCH ABOUT 35 FEET BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 6 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 8, 1933, WASHED OUT IN THE MARCH 2, 1938 STORM. REINSTALLED MARCH 10, 1938. REMOVED MAY 30, 1938. INSTALLED JULY 8, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL IN THE SAME LOCATION AS THE OLD WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: 40.4 SQUARE MILES REGULATED BY SAN GABRIEL DAM NO. 2. 0.6 SQUARE MILES UNREGULATED.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MAY 26, 1932 TO DECEMBER 8, 1933 STREAM MEASUREMENTS ONLY. RECORDER RECORDS DECEMBER 8, 1933 TO FEBRUARY 21, 1938; MARCH 10, 1938 TO MAY 30, 1938; AND JULY 8, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 814 SECOND-FEET, MARCH 30.
MINIMUM 0.6 SECOND-FOOT, AUGUST 23.

1946-1947
MAXIMUM 1240 SECOND-FEET, JANUARY 6.
MINIMUM 0.1 SECOND-FOOT, SEPTEMBER 28.

1933-1947
MAXIMUM 25,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, FOR MEASURING OUTFLOW FROM SAN GABRIEL DAM NO. 2.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

~~NEAR~~ below San Gabriel Dam No. 2 DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1679	10/5	1117A / 1137A	MIDDLETON	13.3	10.6	0.59	3.26	6.3		.6	13	0	FC26
1680	10/12	1017A / 1037A	TREAT / MIDDLETON	13.8	9.97	0.59	3.26	5.9		.6	13	0	FC29
1681	10/16	925A / 1000A	TREAT	14.0	10.5	0.65	3.26	6.8		.6	14	0	FC26
1682	10/19	1010A / 1030A	TREAT / MIDDLETON	12.0	7.89	0.84	3.26	6.6		.6	12	0	"
1683	10/19	1034A / 1052A	MIDDLETON / TREAT	12.0	7.83	0.86	3.26	6.7		.6	12	0	"
1684	10/23	1015A / 1045A	TREAT	12.0	7.76	0.86	3.25	6.6		.6	12	0	"
1685	10/25	1010A / 1045A	TREAT / MIDDLETON	12.0	7.90	0.78	3.24	6.2		.2 .8	12	0	FC29
1686	10/30	950A / 1020A	TREAT	13.0	8.24	0.84	3.25	6.9		.6	13	0	FC26
1687	11/1	1015A / 1045A	"	12.5	7.68	0.76	3.23	5.9		.6	12	0	"
1688	11/3	455P / 514P	MIDDLETON	47.0	68.3	1.60	4.57	109.		.6	14	.01	FC29
1689	11/3	800P / 830P	TREAT	47.5	69.5	1.50	4.57	104.		.6	14	0	"
1690	11/4	630A / 650A	MIDDLETON / TREAT	46.0	69.5	1.55	4.55	108.		.6	14	0	"
1691	11/4	725A / 740A	MIDDLETON / TREAT	53.0	102.	2.49	5.19	254.		.6	13	0	"
1692	11/4	1000A / 1022A	TREAT / MIDDLETON	52.7	103.	2.45	5.20	254.		.6	15	.01	"
1693	11/5	740A / 755A	TREAT	12.5	8.43	0.64	3.19	5.4		.6	12	0	FC26
1694	11/5	820A / 850A	MIDDLETON / TREAT	50.2	98.2	2.24	5.09	220.		.6	16	-.01	FC25
1695	11/5	1055A / 1125A	MIDDLETON / TREAT	59.0	131.	3.75	5.74	491.		.6	15	0	FC26
1696	11/5	225P / 250P	MIDDLETON / TREAT	60.0	152.	4.73	6.17	719.		.6	14	-.04	"
1697	11/6	1105A / 1125A	TREAT	11.0	7.54	0.47	3.14	3.5		.6	11	.03	"
1698	11/6	426P / 448P	TREAT / BRUSSTAR	48.5	95.2	2.19	5.04	209.		.6	14	.01	"
1699	11/7	800A / 830A	TREAT	12.0	7.80	0.45	3.14	3.5		.6	11	0	"
1700	11/10	915A / 945A	TREAT	18.5	23.9	1.77	3.98	42.3		.6	16	0	FC26
1701	11/10	1055A / 1120A	"	17.4	21.2	1.39	3.76	29.5		.6	15	.02	"
1702	11/12	835A / 855A	"	18.3	20.2	1.41	3.75	28.4		.6	16	0	"
1703	11/12	335P / 348P	"	12.8	8.25	0.55	3.16	4.5		.6	11	.03	"
1704	11/15	845A / 900A	"	12.0	7.71	0.28	3.10	2.2		.6	11	0	"
1705	11/20	920A / 940A	"	12.0	7.58	0.28	3.09	2.1		.6	11	0	FC29
1706	11/23	435P / 450P	"	12.0	7.60	0.25	3.09	1.9		.6	11	0	FC26
1707	11/27	1010A / 1030A	"	12.0	7.45	0.29	3.09	2.2		.6	11	0	"
1708	12/1	1015A / 1035A	"	12.0	7.66	0.30	3.10	2.3		.6	11	0	"
1709	12/5	925A / 940A	"	12.0	7.39	0.31	3.10	2.3		.6	11	0	"
1710	12/7	1026A / 1040A	TREAT / MIDDLETON	12.0	7.53	0.29	3.09	2.2		.6	9	0	"
1711	12/14	1050A / 1104A	MIDDLETON / WENTZ	12.0	7.33	0.30	3.09	2.1		.6	10	0	FC29
1712	12/20	152P / 206P	MIDDLETON / WENTZ	11.5	7.10	0.31	3.09	2.2		.6	10	0	"
1713	12/24	347P / 413P	MIDDLETON	56.0	115.	3.91	5.66	449.		.6	12	0	"
1714	12/25	1007A / 1028A	MIDDLETON / WENTZ	52.0	67.1	2.03	4.74	136.		.6	15	0	"
1715	12/26	1038A / 1100A	MIDDLETON / WENTZ	45.0	57.7	1.15	4.20	66.6		.6	13	0	"
1716	12/26	240P / 257P	MIDDLETON / WENTZ	38.0	42.2	0.90	3.85	37.8		.6	13	0	"
1717	12/29	934A / 946A	MIDDLETON / WENTZ	12.0	8.46	0.77	3.22	6.5		.6	11	.02	FC26
1718	1/1	840A / 852A	MIDDLETON / TREAT	12.8	6.76	0.27	3.08	1.8		.6	11	0	FC29
1719	1/4	1125A / 1145A	WENTZ / MIDDLETON	13.0	6.89	0.25	3.09	1.7		.6	12	0	FC26
1720	1/8	800A / 835A	WENTZ	18.0	7.37	0.26	3.10	1.9		.6	13	0	"
1721	1/8	1039A / 1059A	MIDDLETON / WENTZ	47.0	81.4	1.56	4.69	127.		.6	16	0	"
1722	1/8	1232P / 1253P	MIDDLETON / WENTZ	46.0	71.8	1.43	4.54	103.		.6	17	0	FC26
1723	1/11	128P / 157P	WENTZ / MIDDLETON	45.0	66.6	1.26	4.42	84.2		.6	16	0	"
1724	1/12	915A / 950A	WENTZ	13.0	7.08	0.24	3.07	1.7		.6	13	0	"
1725	1/15	845A / 914A	"	13.0	6.81	0.21	3.06	1.4		.6	11	0	"
1726	1/18	1025A / 1055A	"	12.0	7.00	0.20	3.07	1.4		.6	12	0	"
1727	1/22	1000A / 1038A	"	13.0	6.31	0.22	3.07	1.4		.6	12	0	"
1728	1/25	1028A / 1049A	WENTZ / MIDDLETON	13.0	6.79	0.22	3.08	1.5		.6	13	0	"
1729	1/29	904A / 930A	WENTZ	13.0	6.95	0.23	3.08	1.6		.6	13	0	"
1730	2/1	1040A / 1103A	WENTZ / MIDDLETON	13.0	6.82	0.23	3.08	1.6		.6	12	0	"
1731	2/4	1104A / 1140A	WENTZ	13.0	7.38	0.31	3.11	2.3		.6	13	0	"
1732	2/5	1013A / 1051A	"	13.0	7.26	0.29	3.10	2.1		.6	13	0	"
1733	2/5	1230P / 1252P	MIDDLETON / WENTZ	46.0	71.9	1.47	4.56	106.		.6	15	.01	"
1734	2/8	656A / 740A	WENTZ	45.0	67.6	1.34	4.46	90.6		.6	14	0	"
1735	2/8	1006A / 1028A	MIDDLETON / WENTZ	45.5	70.1	1.32	4.49	93.2		.6	16	0	"
1736	2/9	905A / 942A	WENTZ	13.0	6.58	0.25	3.05	1.7		.6	13	0	"
1737	2/12	930A / 1010A	"	13.0	6.21	0.25	3.05	1.5		.6	13	0	"
1738	2/15	1015A / 1043A	"	13.0	6.69	0.25	3.05	1.7		.6	13	0	"
1739	2/19	920A / 956A	"	13.0	6.71	0.22	3.06	1.5		.6	13	0	"
1740	2/22	1015A / 1045A	"	13.0	6.75	0.22	3.06	1.5		.6	13	0	"
1741	2/26	936A / 1009A	"	13.0	6.78	0.22	3.07	1.5		.6	13	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

~~NEAR~~ below San Gabriel Dam No 2 DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1742	3/1	1110A / 1134A	WENTZ MIDDLETON	13.0	6.83	0.23	3.07	1.6		.6	11	C	"
1743	3/5	917A / 946A	WENTZ	13.0	6.68	0.46	3.08	1.6		.6	10	0	"
1744	3/9	938A / 1002A	"	13.0	6.95	0.23	3.08	1.6		.6	13	0	"
1745	3/12	921A / 942A	WENTZ	13.0	6.93	0.24	3.08	1.7		.6	13	C	FC26
1746	3/15	1034A / 1059A	"	13.0	6.94	0.24	3.08	1.7		.6	13	0	"
1747	3/18	907A / 937A	WENTZ MIDDLETON	46.0	71.8	1.39	4.51	99.7		.6	15	-.02	"
1748	3/18	1000A / 1034A	MIDDLETON WENTZ	58.0	125.	3.81	5.77	476.		.6	15	0	"
1749	3/18	1050A / 1110A	MIDDLETON WENTZ	58.0	126.	3.83	5.77	483.		.6	13	0	"
1750	3/18	1128A / 1202P	WENTZ MIDDLETON	58.0	130.	3.59	5.76	467.		.6	13	-.01	"
1751	3/18	322P / 341P	MIDDLETON WENTZ	58.0	122.	3.72	5.73	454.		.6	13	0	"
1752	3/18	342P / 410P	WENTZ MIDDLETON	58.0	129.	3.70	5.73	479.		.6	13	-.01	"
1753	3/19	724A / 747A	WENTZ	14.0	9.99	0.47	3.24	4.7		.6	12	-.04	"
1754	3/19	1123A / 1145A	MIDDLETON WENTZ	45.4	72.1	1.47	4.54	106.		.6	15	.01	"
1755	3/19	248P / 330P	WENTZ	45.4	72.5	1.38	4.54	99.9		.6	15	0	"
1756	3/20	312P / 345P	"	44.9	68.8	1.33	4.44	90.2		.6	14	0	"
1757	3/21	820A / 850A	"	13.5	7.75	0.18	3.08	1.4		.6	13	0	"
1758	3/22	256P / 320P	"	13.5	7.76	0.17	3.07	1.3		.6	13	0	"
1759	3/23	835A / 855A	MIDDLETON WENTZ	46.4	81.0	1.63	4.70	132.		.6	15	-.01	FC29
1760	3/23	930A / 955A	WENTZ MIDDLETON	46.4	81.3	1.64	4.70	133.		.6	15	0	"
1761	3/25	1117A / 1140A	MIDDLETON	47.5	95.7	2.12	5.01	203.		.6	15	-.02	"
1762	3/26	933A / 957A	WENTZ MIDDLETON	13.5	7.67	2.15		16.5		.6	14		FC26
1763	3/28	1100A / 1144A	WENTZ	16.0	9.70	2.38		23.1		.6	15		"
1764	3/28	340P / 420P	"	16.0	8.10	2.68		21.7		.6	16		"
1765	3/29	1055A / 1113A	MIDDLETON WENTZ	16.5	13.0	1.81		23.5		SURF	9		FC29
1766	3/29	846P / 910P	WENTZ OLIVER	17.0	19.9	2.35		46.8		SURF	0		FC26
1767	3/30	1241P / 116P	WENTZ	58.0	128.	2.51	5.39	322.		.6	12	.48	FC26
1768	3/30	340P / 430P	"	58.0	139.	4.47	5.95	621.		.6	13	0	"
1769	4/1	838A / 914A	"	57.0	119.	4.20	5.73	500.		.6	14	0	"
1770	4/3	309P / 351P	"	15.2	8.38	0.51	3.21	4.3		.6	12	0	"
1771	4/6	732A / 800A	"	15.2	9.46	0.62	3.26	5.9		.6	14	0	"
1772	4/6	823A / 908A	"	57.0	129.	4.03	5.74	521.		.6	15	0	"
1773	4/7	824A / 900A	"	56.0	122.	3.69	5.63	450.		.6	16	0	"
1774	4/8	255P / 312P	MIDDLETON	18.0	28.9	2.59	4.18	74.8		.6	11	.04	FC29
1775	4/9	140P / 158P	"	17.5	14.6	4.82		70.4		.6	10		"
1776	4/10	1042A / 1104A	WENTZ	19.0	14.3	4.95		70.7		.6	10		FC26
1777	4/11	123P / 155P	"	40.7	11.7	5.71		66.9		.6	10		"
1778	4/12	1058A / 1128A	"	18.3	13.4	4.69		62.9		SURF	11		"
1779	4/13	826A / 848A	"	19.1	13.8	4.51		62.2		SURF	11		"
1780	4/15	920A / 945A	MIDDLETON	35.0	12.2	5.19		63.3		.6	11		FC29
1781	4/16	733A / 800A	WENTZ	29.0	9.66	5.84		56.5		.6	12		FC26
1782	4/17	730A / 800A	"	41.0	11.9	4.79		57.0		SURF	16		"
1783	4/18	718A / 739A	"	35.0	10.3	5.99		61.6		SURF	10		"
1784	4/19	720A / 740A	"	39.0	10.3	5.25		53.9		SURF	7		"
1785	4/20	735A / 800A	"	35.0	8.91	5.56		49.6		SURF	12		"
1786	4/22	1140A / 1157A	MIDDLETON	20.0	7.40	4.40	4.28	32.5		.6	10	0	FC29
1787	4/23	116P / 145P	WENTZ	24.0	7.19	4.46	3.93	32.1		.6	10	0	FC26
1788	4/24	115P / 139P	"	25.5	6.72	4.51	4.20	30.4		.6	8	0	"
1789	4/25	858A / 928A	"	24.5	6.21	4.14	3.99	25.8		.6	9	0	"
1790	4/26	1025A / 1048A	WENTZ	24.0	6.14	3.89	3.97	23.9		.6	9	0	FC26
1791	4/27	834A / 857A	"	22.5	6.48	3.52	3.75	22.8		.6	9	0	"
1792	4/30	830A / 852A	"	19.5	6.39	3.38	3.65	21.7		.6	9	0	"
1793	5/2	928A / 946A	"	20.0	6.80	2.96	3.64	20.2		.6	10	0	"
1794	5/3	1008A / 1030A	"	19.7	7.13	2.68	3.60	19.1		.6	10	0	"
1794X	5/4	915A / 938A	"	19.0	7.16	2.34	3.55	16.8		.6	9	0	"
1795	5/6	1027A / 1043A	MIDDLETON	19.0	6.67	2.31	3.56	15.4		.6	9	0	FC29
1796	5/7	128P / 144P	WENTZ	17.5	5.56	2.67	3.50	14.8		.6	8	0	FC26
1797	5/9	910A / 934A	"	18.0	6.40	2.22	3.50	14.2		.6	9	0	"
1798	5/11	850A / 912A	"	18.0	7.32	2.04	3.52	15.0		.6	9	0	"
1799	5/14	818A / 840A	"	16.6	5.90	2.22	3.50	13.1		.6	8	0	"
1800	5/16	930A / 950A	"	16.5	6.20	2.09	3.48	13.0		.6	8	0	"
1801	5/18	840A / 902A	"	16.0	6.48	1.80	3.44	11.7		.6	8	0	"
1802	5/21	836A / 906A	"	17.0	6.23	1.85	3.41	11.6		.6	15	0	"
1803	5/23	741A / 809A	"	17.0	6.12	1.89	3.39	11.6		.6	15	0	"
1804	5/24	322P / 335P	MIDDLETON WENTZ	17.5	6.28	1.56	3.41	9.8		.6	9	0	FC32
1805	5/28	915A / 930A	WENTZ	17.6	6.28	1.53	3.43	9.6		.6	8	0	"
1806	5/31	1034A / 1048A	"	16.6	6.27	1.43	3.37	9.0		.6	8	0	"
1807	6/4	830A / 847A	"	16.6	5.31	1.34	3.33	7.2		.6	8	0	"
1808	6/7	943A / 957A	WENTZ MIDDLETON	10.6	5.17	1.34	3.32	7.0		.6	10	0	"
1809	6/11	900A / 920A	WENTZ	10.4	5.14	1.31	3.31	6.8		.6	10	0	"
1810	6/14	917A / 939A	"	10.2	4.71	1.26	3.30	6.0		.6	9	0	"
1811	6/18	840A / 858A	WENTZ	10.0	4.49	1.18	3.28	5.3		.6	10	0	FC32
1812	6/21	1120A / 1136A	"	9.4	3.53	1.21	3.25	4.4		.6	9	0	"
1813	6/25	915A / 935A	"	10.0	3.49	1.21	3.26	4.2		.6	10	0	"
1814	6/28	950A / 1018A	"	10.1	3.28	1.19	3.25	3.9		.6	10	0	"
1815	7/2	843A / 903A	"	9.6	2.97	1.15	3.20	3.4		.6	9	0	"
1816	7/5	1035A / 1048A	WENTZ MIDDLETON	9.4	2.98	1.01	3.19	3.0		.6	9	0	"
1817	7/9	1000A / 1020A	WENTZ	9.2	2.96	0.96	3.18	2.9		.6	8	0	"
1818	7/12	1100A / 1118A	"	9.2	2.82	0.82	3.17	2.3		.6	9	0	"
1819	7/16	910A / 928W	"	9.3	2.76	0.84	3.17	2.3		.6	9	0	"
1820	7/19	1033A / 1046A	WENTZ MIDDLETON	10.5	3.10	0.84	3.18	2.6		.6	10	0	FC29
1821	7/19	1048A / 1100A	MIDDLETON WENTZ	6.8	2.34	1.20	3.18	2.8		.6	6	0	"
1822	7/23	1111A / 1123A	WENTZ	6.5	1.96	1.12	3.15	2.2		.6	5	0	FC32
1825	7/26	953A / 1011A	"	6.4	1.91	0.89	3.15	1.7		.6	6	0	"
1824	7/26	1015A / 1030A	"	7.0	2.16	0.88	3.15	1.9		.6	7	0	"
1825	7/29	900A / 912A	MIDDLETON	6.0	2.43	0.70	3.14	1.7		.6	7	0	FC29
1826	8/2	200P / 208P	"	5.2	1.43	0.91	3.12	1.3		.6	5	0	"
1827	8/6	915A / 935A	WENTZ	5.2	1.45	0.87	3.12	1.3		.6	10	0	"
1828	8/9	1040A / 1052A	WENTZ MIDDLETON	5.5	1.22	1.06	3.11	1.3		.6	9	0	FC32
1829	8/13	850A / 904A	WENTZ	5.4	1.16	1.11	3.11	1.3		.6	9	0	"
1830	8/16	950A / 1005A	"	5.5	1.18	1.07	3.10	1.3		.6	9	0	"
1831	8/20	1100A / 1120A	"	5.3	1.13	1.02	3.10	1.2		.6	9	0	"
1832	8/23	707A / 720A	"	4.9	0.86	0.75	3.07	0.6		.6	8	0	"
1833	8/23	458P / 518P	WENTZ	5.3	1.12	0.76	3.12	0.9		.6	7	0	FC32
1834	8/27	226P / 238P	MIDDLETON	4.5	0.95	0.95	3.09	0.9		.6	7	0	"
1835	8/30	1035A / 1055A	WENTZ	4.9	1.40	0.69	3.12	1.0		.6	9	0	"
1836	9/4	1100A / 1121A	WENTZ YORK	4.8	1.32	0.79	3.11	1.0		.6	9	0	"
1837	9/6	1049A / 1112A	WENTZ	5.0	1.32	0.76	3.12	1.0		.6	9	0	"
1838	9/10	1005A / 1015A	MIDDLETON	4.7	1.16	0.86	3.12	1.0		.6	7	0	FC29
1839	9/13	1037A / 1054A	WENTZ	4.8	1.08	0.66	3.10	0.7		.6	9	0	FC32
1840	9/17	938A / 1000A	"	4.9	1.04	0.67	3.10	0.7		.6	9	0	"
1841	9/20	1015A / 1034A	"	5.0	1.07	0.74	3.10	0.8		.6	8	0	"
1842	9/24	1057A / 1107A	"	5.0	1.05	0.77	3.10	0.8		.6	8	0	"
1843	9/27	1012A / 1032A	"	5.0	1.05	0.72	3.10	0.8		.6	9	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

AT NEAR below San Gabriel Dam #2 DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1844	10-1	1021A / 1041A	WENTZ	6.0	1.64	1.04	3.17	1.7		0.6	11	0	FC32
1845	10-2	945A / 1003A	"	9.8	2.74	1.34	3.24	3.7		0.6	10	0	"
1846	10-3	434P / 455P	"	14.8	4.70	1.57	3.37	7.5		0.6	14	-.02	"
1847	10-4	1040A / 1103A	"	11.7	3.48	1.21	3.28	4.2		0.6	12	0	"
1848	10-8	947A / 1004A	"	6.0	1.72	1.19	3.20	2.1		0.6	6	0	"
1849	10-11	1000A / 1018A	"	5.8	1.53	1.13	3.16	1.7		0.6	9	0	"
1850	10-15	1000A / 1016A	"	6.0	1.58	1.05	3.16	1.7		0.6	10	0	"
1851	10-18	1035A / 1051A	"	6.0	1.93	1.31	3.21	2.5		0.6	10	0	"
1852	10-22	1023A / 1043A	"	6.0	1.80	1.10	3.18	2.0		0.6	10	0	"
1853	10-25	950A / 1012A	"	6.0	1.84	1.13	3.18	2.1		0.6	10	0	"
1854	10-29	1008A / 1030A	"	7.6	2.40	1.18	3.23	2.8		0.6	7	0	"
1855	11-1	1030A / 1046A	"	7.1	2.25	1.03	3.20	2.3		0.6	7	0	"
1856	11-5	1206P / 1222P	"	7.3	2.23	0.96	3.23	2.2		0.6	7	0	"
1857	11-8	1026A / 1049A	"	7.6	2.57	1.22	3.27	3.1		0.6	13	0	"
1858	11-12	1055A / 1114A	"	14.0	5.29	1.19	3.32	6.3		0.6	14	+.04	"
1859	11-15	1235P / 100P	"	19.0	16.4	2.74	3.89	44.9		0.6	18	0	"
1860	11-19	1127A / 1149A	"	16.5	16.8	1.83	3.74	30.7		0.6	14	0	"
1861	11-22	1130A / 1156A	"	24.0	31.6	2.52	4.34	79.7		0.6	12	0	"
1862	11-22	349P / 415P	"	35.4	47.5	6.16	5.21	293.		0.6	16	0	"
1863	11-22	535P / 621P	WENTZ - DE VORE	56.5	98.0	6.43	5.61	630.		0.6	10	-.28	"
1864	11-23	1033A / 1106A	WENTZ	56.0	111.	3.87	5.76	430.		0.6	11	0	"
1865	11-24	1125A / 1159A	"	49.0	108.	3.91	5.70	422.		0.6	11	0	"
1866	11-25	356P / 428P	"	49.0	93.9	3.58	5.52	336.		0.6	10	0	"
1867	11-26	1120A / 1156A	"	49.0	94.6	3.32	5.38	314.		0.6	12	0	"
1868	11-26	245P / 305P	MIDDLETON	49.0	85.8	3.40	5.35	293.		0.6	11	-.01	FC32
1869	11-26	330P / 350P	MIDDLETON - WENTZ	43.0	43.3	1.52	4.23	66.1		0.6	15	0	"
1870	11-27	1032A / 1055A	WENTZ	21.0	30.1	1.93	4.12	58.3		0.6	11	0	"
1871	11-29	1055A / 1114A	"	20.5	25.9	1.68	3.99	43.6		0.6	10	0	"
1872	11-30	1048A / 1106A	"	20.7	27.2	1.56	3.97	42.5		0.6	11	0	"
1873	12-3	1148A / 1206P	"	20.3	26.7	1.47	3.92	39.4		0.6	11	0	"
1874	12-5	1134A / 1150A	MIDDLETON - WENTZ	21.0	25.3	1.35	3.91	34.2		0.6	11	0	"
1875	12-5	1236P / 1252P	" "	21.0	30.4	1.91	4.18	58.2		0.6	12	0	"
1876	12-7	944A / 1008A	WENTZ	43.0	39.2	1.44	4.15	56.6		0.6	15	0	"
1877	12-9	1135A / 1156A	"	37.3	40.8	1.30	4.10	53.0		0.6	13	0	"
1878	12-9	155P / 216P	DE VORE - WILSON	43.1	23.6	1.04	3.80	24.7		0.6	15	0	"
1879	12-10	1114A / 1134A	WENTZ	20.5	22.9	1.29	3.80	29.7		0.6	10	0	"
1880	12-12	943A / 1002A	"	20.6	23.2	1.16	3.78	27.0		0.6	11	0	"
1881	12-14	951A / 1015A	"	20.6	23.1	1.11	3.77	25.8		0.6	11	0	"
1882	12-17	1032A / 1106A	"	20.4	22.4	0.98	3.74	22.2		0.6	17	0	"
1883	12-19	1012A / 1034A	"	20.0	18.8	1.15	3.73	21.4		0.6	11	0	"
1884	12-20	1132A / 1153A	"	17.3	10.4	0.70	3.48	7.4		0.6	9	0	"
1885	12-22	1056A / 1115A	"	17.4	11.0	0.68	3.48	7.6		0.6	9	0	"
1886	12-25	120P / 200P	"	52.0	108.	3.69	5.62	399.		0.6	16	0	"
1887	12-25	1035P / 1050P	WENTZ - WILSON	60.0	173.	5.78	6.56	1000.		0.6	12	+.04	"
1888	12-26	120P / 156P	" "	62.0	189.	5.93	6.67	1120		0.6	13	0	"
1889	12-27	917A / 956A	WENTZ	59.0	172.	5.44	6.42	937.		0.6	13	-.01	"
1890	12-27	250P / 326P	"	52.0	122.	3.54	5.60	432.		0.6	15	0	"
1891	12-28	936A / 1014A	"	53.0	130.	4.13	5.84	538.		0.6	14	0	"
1892	12-28	448P / 529P	"	54.0	143.	4.19	5.89	600.		0.6	11	0	"
1893	12-29	435P / 455P	STUNDEN	49.0	103.	3.51	5.51	362.		0.6	11	0	"
1894	12-30	1115A / 1133A	MIDDLETON	49.9	90.2	1.73	4.80	156.		0.6	15	0	FC18
1895	12-31	1054A / 1124A	WENTZ - MIDDLETON	48.4	78.7	1.38	4.58	109.		0.6	16	0	FC32
1896	1-1	902A / 939A	WENTZ	48.4	79.4	1.39	4.58	111.		0.6	16	0	"
1897	1-2	935A / 1009A	"	48.4	77.5	1.43	4.58	111.		0.6	16	0	"
1898	1-3	1040A / 1110A	"	48.4	78.0	1.34	4.56	105.		0.6	15	0	"
1899	1-4	937A / 1002A	"	48.4	76.0	1.38	4.54	105.		0.6	13	0	"
1900	1-5	850A / 934A	"	51.0	99.9	2.63	5.20	263.		0.6	15	0	"
1901	1-5	1017A / 1052A	"	51.0	102.	2.78	5.27	284.		0.6	15	0	"
1902	1-6	806A / 827A	MIDDLETON	47.0	47.9	1.10	3.99	52.7		0.6	15	0	FC18
1903	1-6	850A / 915A	"	49.0	58.7	1.19	4.18	69.7		0.6	14	0	"
1904	1-6	1230P / 1252P	"	50.0	67.3	1.47	4.43	98.6		0.6	15	0	"
1905	1-6	255P / 315P	"	23.0	31.8	2.60	4.32	82.0		0.6	13	0	"
1906	1-7	923A / 934A	WENTZ - WILSON	22.0	14.2	5.04		71.6		0.6	11		FC32
1907	1-8	312P / 328P	WENTZ	40.4	12.4	5.59		69.7		SURF	.8		"
1908	1-9	305P / 324P	"	41.4	13.2	5.14		67.7		SURF	9		"
1909	1-10	126P / 148P	"	26.0	11.2	5.03		56.4		0.6	13		"
1910	1-11	108P / 130P	"	26.0	10.8	5.14		55.7		0.6	12		"
1911	1-13	1255P / 116P	MIDDLETON	23.0	11.5	4.52		52.0		0.6	12		FC29
1912	1-14	943A / 1008A	WENTZ	22.0	10.8	4.70		50.6		0.6	11		FC32
1913	1-15	953A / 1006A	"	22.0	10.3	4.49		46.2		0.6	11		"
1914	1-16	922A / 943A	"	21.0	11.3	3.75		42.2		0.6	11		"
1915	1-17	1250P / 107P	"	21.0	10.4	3.85		40.0		0.6	11		"
1916	1-18	1145A / 1201P	"	20.5	11.6	3.17		36.9		0.6	11		FC32
1917	1-20	1055A / 1114A	MIDDLETON	20.0	16.0	2.24		35.9		0.6	15		FC29
1918	1-21	116P / 131P	WENTZ	18.5	16.5	2.07		34.3		0.6	9		FC32
1919	1-22	912A / 928A	"	18.5	15.8	2.08		33.1		0.6	9		"
1920	1-23	912A / 930A	"	18.8	14.9	2.15		32.0		0.6	10		"
1921	1-24	904A / 919A	"	18.2	15.2	1.92		29.2		0.6	9		"
1922	1-25	110P / 126P	"	20.0	14.4	2.04		29.4		0.6	10		"
1923	1-27	1110A / 1127A	MIDDLETON	16.5	14.5	2.14		31.0		0.6	14		FC29
1924	1-28	130P / 150P	WENTZ	25.0	18.3	3.14		57.5		0.6	13		FC32
1925	1-29	913A / 933A	"	20.1	11.6	3.04		35.2		0.6	10		"
1926	1-30	912A / 928A	"	18.7	9.76	2.94		28.7		0.6	9		"
1927	1-31	926A / 945A	"	18.6	8.03	3.42		27.5		0.6	10		"
1928	2-1	906A / 925A	"	20.5	8.04	3.53		28.4		0.6	11		"
1929	2-3	1115A / 1134A	MIDDLETON	18.7	9.91	2.93		29.0		0.6	15		FC29
1930	2-4	920A / 940A	WENTZ	17.4	8.61	2.84		25.0		0.6	9		FC32
1931	2-5	929A / 958A	"	17.0	9.10	2.65		24.2		0.6	17		"
1932	2-6	905A / 933A	"	17.4	9.62	2.36		22.7		0.6	17		"
1933	2-7	910A / 940A	"	17.0	9.52	2.32		22.2		0.6	17		"
1934	2-8	920A / 946A	"	17.0	9.38	2.26	3.69	21.3		0.6	17	0	"
1935	2-10	1116A / 1132A	WENTZ - MIDDLETON	19.0	9.94	2.83	3.76	27.8		0.6	10	0	"
1936	2-11	144P / 202P	WENTZ	19.0	9.34	2.55	3.70	23.8		0.6	10	0	"
1937	2-12	941A / 957A	"	19.0	7.86	2.93	3.67	23.0		0.6	10	0	"
1938	2-13	135P / 200P	"	19.0	7.44	3.09	3.68	23.0		0.6	19	0	"
1939	2-14	909A / 925A	"	19.5	7.85	2.75	3.65	21.6		0.6	10	0	"
1940	2-15	1050A / 1106A	"	19.5	8.02	2.75	3.65	22.1		0.6	10	0	"
1941	2-17	1000A / 1016A	MIDDLETON	19.5	8.53	2.67	3.64	22.8		0.6	11	0	FC29
1942	2-18	436P / 452P	WENTZ	19.5	8.74	2.28	3.63	19.9		0.6	10	0	FC32
1943	2-20	935A / 950A	"	19.5	10.2	1.98	3.65	20.2		0.6	10	0	"
1944	2-22	940A / 955A	"	19.5	9.74	1.90	3.64	18.6		0.6	10	0	"
1945	2-24	1040A / 1055A	MIDDLETON	18.7	8.74	1.97	3.62	17.2		0.6	10	0	"
1946	2-25	910A / 940A	WENTZ	19.0	9.18	1.94	3.62	17.8		0.6	19	0	FC26
1947	2-27	923A / 945A	"	18.5	8.30	2.12	3.61	17.7		0.6	10	0	"
1948	3-1	952A / 1011A	"	18.8	8.39	2.13	3.61	17.9		0.6	10	0	"
1949	3-3	1030A / 1047A	MIDDLETON	18.2	8.23	2.08	3.60	17.1		0.6	10	0	FC29
1950	3-4	905A / 920A	WENTZ	18.2	8.56	2.04	3.61	17.5		0.6	10	0	FC26
1951	3-6	938A / 955A	"	18.7	8.68	2.03	3.61	17.6		0.6	10	0	"
1952	3-8	923A / 940A	"	18.5	8.36	1.99	3.60	16.6		0.6	10	0	"
1953	3-10	1108A / 1124A	MIDDLETON	17.5	7.93	1.99	3.58	15.8		0.6	10	0	FC29
1954	3-11	936A / 956A	WENTZ	17.5	7.73	2.06	3.60	15.9		0.6	10	0	FC26
1955	3-13	202P / 216P	"	17.2	7.44	1.98	3.58	14.7		0.6	9	0	"
1956	3-15	915A / 932A	"	17.2	7.29	1.93	3.59	14.1		0.6	10	0	"
1957	3-17	1155A / 1208P	MIDDLETON	16.5	6.76	1.91	3.57	12.9		0.6	9	0	FC29
1958	3-18	1000A / 1014A	WENTZ	17.3	6.97	1.85	3.55	12.9		0.6	9	0	FC26
1959	3-20	1144A / 1159A	"	16.2	6.55	2.06	3.58	13.5		0.6	9	0	"
1960	3-21	126P / 141P	"	17.3	7.22	2.28	3.62	16.5		0.6	10	0	"
1961	3-22	927A / 944A	"	17.4	7.97	2.30	3.63	18.4		0.6	10	0	"
1962	3-24	953A / 1005A	MIDDLETON	16.5	7.35	2.10	3.61	15.4		0.6	9	0	FC29
1963	3-25	928A / 945A	WENTZ	15.6	6.82	2.08	3.58	14.2		0.6	9	0	FC26
1964	3-27	1000A / 1013A	WENTZ	15.8	6.59	2.04	3.56	13.5		0.6	9	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

AT OR NEAR below San Gabriel Dam #2 DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1965	3-28	132P / 151P	"	18.8	10.1	2.43	3.71	24.6		0.6	10	0	"
1966	3-29	945A / 1005A	"	17.4	8.88	2.27	3.63	20.2		0.6	11	0	"
1967	3-31	1025A / 1040A	MIDDLETON	17.5	8.62	1.96	3.61	16.9		0.6	9	0	FC29
1968	4-1	948A / 1002A	WENTZ	16.9	8.09	1.89	3.59	15.3		0.6	10	0	FC26
1969	4-3	916A / 930A	"	16.5	7.54	1.87	3.57	14.1		0.6	9	0	"
1970	4-5	1102A / 1116A	"	17.4	7.66	1.83	3.57	14.0		0.6	9	0	"
1971	4-7	1023A / 1035A	MIDDLETON	17.5	7.02	1.71	3.56	12.0		0.6	9	0	FC29
1972	4-8	948A / 1003A	WENTZ	17.4	7.42	1.76	3.55	13.1		0.6	10	0	FC26
1973	4-11	942A / 956A	"	17.0	7.10	1.66	3.53	11.8		0.6	9	0	"
1974	4-15	1001A / 1015A	"	17.0	6.65	1.52	3.51	10.1		0.6	9	0	"
1975	4-18	1013A / 1030A	"	15.3	5.25	1.81	3.45	9.5		0.6	9	0	"
1976	4-22	1030A / 1044A	"	14.0	4.17	2.42	3.48	10.1		0.6	8	0	"
1977	4-25	1053A / 1109A	"	14.2	4.91	2.02	3.48	9.9		0.6	8	0	"
1978	4-29	1040A / 1053A	"	14.5	5.48	1.86	3.50	10.2		0.6	8	0	"
1979	5-2	1012A / 1023A	"	14.3	5.08	1.69	3.46	8.6		0.6	8	0	"
1980	5-6	227P / 241P	DE VORE	13.8	4.78	1.55	3.44	7.4		0.6	9	0	"
1981	5-9	1033A / 1044A	WENTZ	14.0	4.88	1.39	3.44	6.8		0.6	8	0	"
1982	5-12	1116A / 1128A	MIDDLETON	14.0	5.13	1.46	3.46	7.5		0.6	13	0	FC29
1983	5-13	1010A / 1020A	WENTZ	13.7	4.89	1.43	3.45	7.0		0.6	8	0	FC26
1984	5-16	953A / 1005A	"	13.7	5.07	1.52	3.45	7.7		0.6	9	0	"
1985	5-20	1005A / 1019A	"	13.7	4.32	1.26	3.42	5.4		0.6	8	0	"
1986	5-23	1044A / 1104A	"	12.6	4.31	1.30	3.41	5.6		0.6	13	0	"
1987	5-27	1033A / 1055A	"	13.7	4.24	1.27	3.42	5.4		0.6	13	0	"
1988	5-30	1031A / 1044A	WENTZ	13.8	4.06	1.18	3.40	4.8		0.6	8	0	"
1989	6-2	1150A / 1208P	MIDDLETON	14.0	4.29	1.24	3.40	5.3		0.6	13	0	FC29
1990	6-3	956A / 1018A	WENTZ	13.7	4.34	1.24	3.40	5.4		0.6	14	0	FC26
1991	6-6	1106A / 1128A	"	13.6	4.62	1.34	3.41	6.2		0.6	14	-.04	"
1992	6-10	1000A / 1028A	"	13.4	4.11	1.17	3.40	4.8		0.6	14	0	"
1993	6-13	956A / 1017A	"	13.2	4.02	1.09	3.38	4.4		0.6	14	0	"
1994	6-17	953A / 1014A	"	13.0	3.46	0.90	3.34	3.1		0.6	13	0	"
1995	6-20	1023A / 1045A	"	12.9	3.00	1.00	3.34	3.0		0.6	12	0	"
1996	6-24	1023A / 1040A	"	12.7	3.18	0.94	3.34	3.0		0.6	12	0	"
1997	6-27	1106A / 1123A	"	12.9	2.95	0.95	3.33	2.8		0.6	12	0	"
1998	6-30	1020A / 1034A	MIDDLETON	11.0	2.74	0.95	3.32	2.6		0.6	10	0	"
1999	7-3	1000A / 1010A	LANG - MIDDLETON	9.2	2.12	0.85	3.29	1.8		0.6	8	0	"
2000	7-7	1000A / 1012A	LANG	9.7	2.16	0.83	3.28	1.8		0.6	9	0	"
2001	7-10	1036A / 1052A	"	8.5	1.91	0.89	3.28	1.7		0.6	9	0	"
2002	7-14	1235P / 1248P	MIDDLETON	7.5	1.92	0.94	3.29	1.8		0.6	8	0	"
2003	7-17	945A / 956A	"	7.5	1.75	0.86	3.28	1.5		0.6	7	0	"
2004	7-21	924A / 935A	"	7.5	1.65	0.73	3.27	1.2		0.6	7	0	"
2005	7-24	931A / 944A	"	7.5	1.64	0.73	3.27	1.2		0.6	7	0	"
2006	7-28	1005A / 1014A	"	7.5	1.54	0.71	3.25	1.1		0.6	7	0	"
2007	7-31	1045A / 1055A	MIDDLETON-WENTZ	7.5	1.56	0.70	3.26	1.1		0.6	7	0	"
2008	8-4	1150A / 1159A	MIDDLETON	4.8	1.38	0.87	3.26	1.2		0.6	8	0	"
2009	8-7	1005A / 1015A	"	4.7	1.29	0.85	3.25	1.1		0.6	8	0	"
2010	8-11	954A / 1005A	"	4.7	1.23	0.89	3.26	1.1		0.6	8	0	"
2011	8-15	1246P / 1257P	"	4.7	1.20	0.83	3.25	1.0		0.6	8	0	"
2012	8-18	1023A / 1040A	LANG	4.8	1.16	0.73	3.25	0.85		0.6	8	0	FC26
2013	8-21	1034A / 1046A	"	4.9	1.17	0.85	3.24	1.0		0.6	7	0	"
2014	8-26	958A / 1010A	"	4.8	1.09	0.78	3.23	0.85		0.6	8	0	"
2015	8-28	952A / 1005A	"	5.0	1.08	0.76	3.24	0.82		0.6	8	0	"
2016	9-2	1025A / 1033A	MIDDLETON	4.7	1.05	0.85	3.24	0.89		0.6	7	0	"
2017	9-4	940A / 950A	"	3.5	0.93	0.98	3.24	0.91		0.6	7	0	"
2018	9-8	955A / 1005A	"	3.5	0.94	0.94	3.24	0.88		0.6	7	0	"
2019	9-11	1000A / 1008A	"	3.5	0.97	0.92	3.24	0.89		0.6	7	0	"
2023	9-22	948A / 1000A	"	4.0	1.01	0.75	3.23	0.76		0.6	8	0	"
2024	9-24	215P / 226P	"	4.1	1.39	1.08	3.28	1.5		0.6	8	0	"
2025	9-25	155P / 207P	"	4.2	1.49	1.07	3.28	1.6		0.6	8	0	"
2026	9-26	643A / 646A	"	2.2	0.43	0.14	3.13	0.06		0.6	3	0	"
2027	9-26	655A / 700A	"	3.6	0.56	0.11	3.13	0.06		0.6	4	0	"
2028	9-26	930A / 942A	"	4.2	1.47	1.09	3.29	1.6		0.6	8	0	"
2029	9-29	953A / 1004A	"	4.5	1.64	1.28	3.30	2.1		0.6	8	0	"
2020	9-15	948A / 958A	"	4.1	1.23	0.98	3.27	1.2		0.6	7	0	"
2021	9-15	1032A / 1040A	"	3.7	1.14	0.96	3.26	1.1		0.6	7	0	"
2022	9-18	956A / 1006A	"	4.2	1.08	0.89	3.22	0.75		0.6	7	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F208-R

Daily discharge, in second-feet of SAN GABRIEL RIVER-WEST FORK below San Gabriel Dam #2 for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.3	6.1	2.3	1.7	1.6	1.6	500	b 2.1	7.5	3.8	1.3	0.9
2	6.3	6.1	2.3	1.7	1.6	1.6	159	b 2.0	7.5	3.2	1.3	0.9
3	6.1	38	2.3	1.8	3.7	1.6	4.4	b 1.9	7.2	3.2	1.3	1.0
4	6.1	199	2.3	1.6	2.2	1.6	4.7	1.7	7.5	3.0	1.3	1.0
5	6.1	173	2.3	1.8	52	1.6	5.0	1.6	7.2	3.0	1.3	1.0
6	6.3	71	2.2	1.8	103	1.6	334	1.5	7.2	3.0	1.3	1.0
7	6.3	50	2.2	1.9	97	1.6	418	1.5	7.2	3.0	1.3	1.0
8	6.3	35	2.2	60	75	1.6	195	1.4	a 7.2	2.8	1.3	1.0
9	6.3	35	2.2	100	1.5	1.6	b 70	1.4	a 6.8	2.8	1.3	1.0
10	6.5	24	2.2	94	1.5	1.6	71	1.4	a 6.8	2.8	1.3	1.0
11	6.5	29	2.2	79	1.5	1.7	67	1.5	a 6.4	2.8	1.3	1.0
12	6.5	18	2.2	1.6	1.5	1.7	63	1.4	6.4	2.8	1.3	0.8
13	6.5	2.2	2.2	1.5	1.5	1.8	62	1.4	6.1	2.6	1.3	0.8
14	6.5	2.2	2.2	1.4	1.5	1.7	62	1.4	5.8	2.6	1.3	0.8
15	6.5	2.2	2.2	1.4	1.5	1.7	63	1.4	5.4	2.6	1.2	0.8
16	6.5	2.2	2.2	1.4	1.5	1.7	57	1.3	5.4	2.6	1.2	0.8
17	6.5	2.2	2.2	1.4	1.5	1.8	57	1.3	5.4	2.6	1.2	0.8
18	6.5	2.2	2.2	1.5	1.5	279	55	1.2	5.4	2.6	1.2	0.8
19	6.5	2.1	2.2	1.5	1.5	70	54	1.2	5.0	2.8	1.2	0.8
20	6.5	2.1	2.2	1.5	1.5	71	50	1.2	4.7	2.8	1.2	0.8
21	6.5	2.1	6.0	1.4	1.5	1.4	41	1.2	4.4	2.6	1.1	0.8
22	6.5	2.1	438	1.4	1.5	1.3	32	1.1	4.4	2.4	1.0	0.8
23	6.5	2.1	480	1.4	1.5	86	32	1.0	4.4	2.2	1.0	0.8
24	6.3	2.1	456	1.5	1.5	104	30	1.1	4.7	2.0	1.0	0.8
25	6.3	2.1	155	1.5	1.6	43	26	1.0	4.7	1.9	0.9	0.8
26	6.3	2.2	56	1.5	1.6	16	24	1.1	4.4	1.8	0.8	0.8
27	6.3	2.2	35	1.6	1.6	b 19	23	1.1	4.4	1.8	0.6	0.8
28	6.3	2.2	34	1.6	1.6	22	23	1.0	4.4	1.7	1.1	0.8
29	6.3	2.3	13	1.6		30	22	9.4	4.4	1.7	1.1	0.9
30	6.5	2.3	1.8	1.6		304	b 22	8.7	4.0	1.7	1.0	1.1
31	6.3		1.7	1.6		602		7.9		1.5	1.0	
	197.7	6603	1721.0	375.4	3665	16768	25861	410.0	1723	78.7	362	26.4
MEAN	6.38	22.0	55.5	12.1	13.1	54.1	86.2	13.2	5.74	2.54	1.17	0.88
ACRE-FEET	392.	1,310.	3,410.	745.	727.	3,330.	5,130.	812.	342.	156.	72.	52.

Remarks:

YEAR OR PERIOD MEAN 22.8
ACRE-FEET 16,480.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below San Gabriel Dam #2, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	2.4	40	111	29	17	15	8.7	5.4	2.4	1.1	0.9
2	3.8	2.4	39	111	29	17	15	8.3	5.4	2.0	1.1	0.9
3	4.6	2.6	39	108	28	17	14	8.3	5.4	1.8	1.2	0.9
4	4.4	2.4	36	104	25	17	14	7.9	5.4	1.8	1.2	0.9
5	3.0	2.2	46	212	24	17	14	7.5	5.0	1.8	1.1	0.9
6	2.6	2.2	58	149	23	17	14	7.5	5.0	1.8	1.1	0.9
7	2.2	2.2	56	72	22	16	13	7.5	5.0	1.8	1.1	0.9
8	2.4	2.4	55	70	21	16	13	7.2	5.0	1.8	1.1	0.9
9	2.2	1.9	40	68	23	16	13	6.8	5.0	1.7	1.1	1.0
10	1.9	1.9	30	58	28	16	12	7.2	4.7	1.7	1.1	0.9
11	1.8	3.4	28	56	24	15	12	7.2	4.4	1.7	1.1	0.9
12	1.7	8.9	27	54	23	15	11	7.2	4.4	1.7	1.1	0.8
13	1.7	36	27	52	23	14	11	7.2	4.4	1.7	1.1	1.0
14	1.7	44	26	50	22	14	11	7.2	4.0	1.7	1.1	0.9
15	1.7	45	24	46	22	14	11	7.2	3.8	1.7	1.0	0.9
16	2.8	41	23	42	21	14	10	7.2	3.2	1.6	1.0	0.9
17	2.6	38	22	40	21	14	9.4	6.8	3.2	1.5	1.0	0.9
18	2.4	34	22	38	20	13	8.7	6.8	3.4	1.4	1.0	1.0
19	2.2	31	21	37	20	13	9.1	6.4	3.0	1.3	1.0	0.9
20	2.0	43	13	36	20	14	9.4	6.1	3.4	1.2	1.0	0.9
21	2.0	76	7.5	34	19	16	9.4	5.8	3.4	1.2	0.9	0.8
22	2.0	218	7.5	33	19	17	9.8	5.4	3.6	1.2	0.9	0.8
23	2.0	432	7.5	32	18	16	9.8	5.8	3.2	1.2	0.8	0.7
24	2.0	413	7.9	31	18	16	9.8	5.4	3.0	1.2	0.8	0.7
25	2.0	354	293	30	18	15	9.8	5.4	2.8	1.2	0.8	0.7
26	2.0	222	1110	29	17	14	9.8	5.0	2.8	1.1	0.8	0.6
27	2.6	56	736	34	17	14	10	5.8	2.8	1.1	0.8	0.1
28	3.0	47	511	51	17	19	10	5.4	2.8	1.1	0.9	0.1
29	2.8	43	476	35		20	10	5.0	2.8	1.1	0.9	0.9
30	2.6	42	198	29		19	9.4	4.7	2.6	1.1	0.9	0.8
31	2.4		111	29		17		5.0		1.1	0.9	
	76.0	2249.9	4137.4	1881.0	611.0	489.0	337.4	204.9	118.3	46.7	31.0	24.4
MEAN	2.45	75.0	133.5	60.7	21.8	15.8	11.2	6.61	3.94	1.51	1.00	0.81
ACRE-FEET	151	4,400	8,210	3,730	1,210	970	669	406	235	93	61	48

Remarks:

YEAR OR PERIOD MEAN 28.0
ACRE-FEET 20,243

STATION P3-R
SAN GABRIEL RIVER-WEST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'30", LONG. 117°51'45", ON THE RIGHT (SOUTH) BANK, 0.2 MILE ABOVE RINCON RANGER STATION, 2 MILES ABOVE EAST FORK AND ABOUT 13.5 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1474.94 FEET.

DRAINAGE AREA: 102 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 3, 1930 AT P3-R. REMOVED MARCH 2, 1938. INSTALLED ON APRIL 4, 1938, IN A TEMPORARY RECORDER HOUSE AND WELL AT THE ORIGINAL LOCATION. REMOVED JULY 12, 1938 AND INSTALLED AT STATION P3B-R. REMOVED ON SEPTEMBER 27, 1938 AND REINSTALLED AT ORIGINAL LOCATION IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAM NO. 2.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1947. FOR RECORDS PRIOR TO DECEMBER 3, 1930, AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER - WEST FORK 0.5 MILE ABOVE FORKS; RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938, ARE FROM STATION P3B-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 2620 SECOND-FEET, MARCH 30.
MINIMUM 5.9 SECOND-FEET, SEPTEMBER 29.

1946-1947
MAXIMUM 4150 SECOND-FEET, DECEMBER 26.
MINIMUM 6.3 SECOND-FEET, SEPTEMBER 29.

1930-1947 (STATIONS P1-R, P3-R, P3B-R).
MAXIMUM 34,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM 0.3 SECOND-FEET, 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 - WEST FORK

AT OR NEAR above Forks ...DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1700	10-2	1030A / 1053A	MIDDLETON	24.0	11.6	1.32	7.62	15.3		0.6	12	-0.02	FC29
1701	10-5	300P / 318P	"	23.8	10.7	1.28	7.58	13.7		0.6	11	0	"
1702	10-6	713P / 735P	"	25.2	15.0	1.90	7.82	28.5		0.6	13	+0.04	"
1703	10-8	127P / 148P	TREAT MIDDLETON	24.5	13.1	1.72	7.72	22.5		0.6	13	0	"
1704	10-8	153P / 207P	MIDDLETON TREAT	24.5	13.6	1.70	7.72	23.1		0.6	12	0	"
1705	10-11	749P / 820A	F.W. TREAT	24.5	12.9	1.51	7.66	19.5		0.6	12	0	"
1706	10-15	925A / 942A	MIDDLETON	24.5	11.9	1.45	7.64	17.3		0.6	12	0	"
1707	10-19	300P / 316P	"	24.0	11.9	1.39	7.62	16.6		0.6	12	0	"
1708	10-22	344P / 403P	"	24.2	11.9	1.39	7.63	16.5		0.6	12	0	"
1709	10-26	322P / 345P	"	24.0	11.6	1.30	7.61	15.1		0.6	12	0	"
1710	10-29	1118A / 1140A	"	24.5	12.6	1.44	7.66	18.1		0.6	13	+0.01	"
1711	10-29	330P / 350P	"	24.6	13.3	1.47	7.68	19.6		0.6	13	+0.01	"
1712	10-30	1022A / 1042A	"	25.0	14.7	1.75	7.76	25.7		0.6	13	0	"
1713	10-30	232P / 258P	"	35.5	23.5	2.11	8.01	49.6		0.6	16	0	"
1714	10-31	1127A / 1146A	"	24.5	14.5	1.73	7.76	25.1		0.6	13	-0.01	"
1715	11-1	1030A / 1050A	"	24.3	13.2	1.65	7.71	21.8		0.6	12	0	"
1716	11-4	110P / 138P	"	60.5	68.5	3.50	8.82	240.		0.6	20	0	"
1717	11-6	1008A / 1033A	"	33.7	29.9	0.69	7.68	20.6		0.6	14	0	"
1718	11-6	815P / 850P	"	59.5	68.7	3.11	8.72	214.		0.6	20	0	"
1719	11-7	405 / 430P	"	33.5	22.2	1.18	7.72	26.2		0.6	14	-0.01	"
1720	11-9	1137A / 1158A	"	33.5	18.6	1.00	7.62	18.6		0.6	12	0	"
1721	11-10	355P / 415P	"	36.5	27.1	1.72	7.92	46.6		0.6	15	0	"
1722	11-13	118P / 140P	MIDDLETON	33.0	17.4	0.97	7.60	16.8		0.6	15	0	FC29
1723	11-16	1050A / 1112A	"	29.5	16.7	0.99	7.58	16.5		0.6	14	0	"
1724	11-19	355P / 424P	"	29.2	16.4	0.99	7.57	16.3		0.6	15	0	"
1725	11-23	310P / 334P	"	29.0	15.9	0.95	7.56	15.1		0.6	14	0	"
1726	11-27	355P / 417P	"	29.0	16.1	0.95	7.56	15.3		0.6	14	0	"
1727	11-30	935A / 1000A	"	29.2	16.3	0.98	7.57	15.9		0.6	14	0	"
1728	12-3	315P / 342P	"	28.5	16.4	0.94	7.57	15.4		0.6	15	0	"
1729	12-7	130P / 150P	"	28.5	16.4	0.96	7.57	15.8		0.6	14	0	"
1730	12-10	1114A / 1136A	"	28.5	16.4	0.95	7.57	15.5		0.6	14	0	"
1731	12-14	204P / 225P	"	28.5	16.2	0.91	7.57	14.8		0.6	14	0	"
1732	12-17	1128A / 1149A	"	28.5	16.4	0.94	7.57	15.4		0.6	15	0	"
1733	12-20	1048A / 1110A	"	28.5	16.2	0.96	7.57	15.5		0.6	14	0	"
1734	12-21	1122A / 1153A	"	38.6	34.4	1.71	8.04	58.8		0.6	16	+.06	"
1735	12-21	117P / 140P	"	55.5	44.1	2.36	8.28	104.		0.6	15	+.06	"
1736	12-21	332P / 352P	"	59.0	65.6	3.09	8.62	203.		0.6	15	+.04	"
1737	12-21	645P / 706P	MIDDLETON-RUSSELL	65.0	109.	4.31	9.15	471.		0.6 SURF	14	+.14	"
1738	12-21	755P / 812P	" "	67.0	164.	5.67	9.78	930.		0.6	16	+.16	"
1739	12-21	935P / 1010P	" "	71.0	298.	8.09	11.24	2410.		0.6	15	+.28 -.28	"
1740	12-22	1220A / 1245A	" "	69.0	225.	6.80	10.35	1530.		0.6	15	-.10	"
1741	12-22	820A / 847A	" "	70.0	227.	7.22	10.60	1640.		0.6	16	+.20	"
1742	12-22	1110A / 1135A	" "	70.0	241.	8.05	10.85	1940.		0.6	16	+.10	"
1743	12-23	135P / 155P	" "	69.0	221.	6.88	10.48	1520.		0.6	15	-.18	"
1744	12-22	355P / 415P	" "	66.0	204.	6.57	10.21	1340.		0.6	16	-.04	"
1745	12-22	655P / 715P	" "	68.0	197.	6.50	10.10	1280.		0.6	16	0	"
1746	12-22	935P / 1001P	MIDDLETON-RUSSELL	68.0	192.	6.25	10.07	1200.		0.6	17	-.04	FC29
1747	12-23	902A / 925A	" "	70.0	240.	7.25	10.74	1740.		0.6	18	-.12	"
1748	12-24	800A / 824A	MIDDLETON	65.0	142.	5.13	9.51	728.		0.6	15	0	"
1749	12-28	333P / 358P	"	47.0	40.1	2.54	8.22	102.		0.6	19	0	"
1750	1-1	940A / 956A	MIDDLETON - TREAT	35.5	29.7	1.65	7.84	49.0		0.6	15	0	"
1751	1-4	205P / 230P	MIDDLETON	33.0	27.7	1.61	7.78	44.5		0.6	15	0	"
1752	1-8	217P / 342P	"	57.6	53.3	2.40	8.35	128.		0.6	16	0	"
1753	1-11	334P / 403P	"	54.0	64.6	1.93	8.31	125.		0.6	16	0	"
1754	1-14	127P / 150P	"	30.5	23.9	1.23	7.64	29.5		0.6	14	0	"
1755	1-18	250P / 313P	"	30.2	23.0	1.24	7.62	28.5		0.6	14	0	"
1756	1-21	140P / 202P	"	30.3	22.5	1.22	7.60	27.4		0.6	14	0	"
1757	1-25	140P / 202P	"	30.5	22.5	1.24	7.59	28.0		0.6	15	0	"
1758	1-28	1105A / 1128A	"	30.1	22.3	1.09	7.58	24.4		0.6	14	0	"
1759	2-1	100P / 122P	"	30.2	22.1	1.09	7.57	24.1		0.6	14	0	"
1760	2-3	310P / 336P	"	63.5	83.1	3.33	8.84	277.		0.6	15	0	"
1761	2-4	1105A / 1127A	"	34.5	29.2	1.69	7.85	49.3		0.6	15	-.01	"
1762	2-5	335P / 355P	"	31.0	25.1	1.47	7.72	36.8		0.6	11	0	"
1763	2-5	420P / 446P	"	57.0	51.2	2.42	8.34	124.		0.6	16	+.02	"
1764	2-8	320P / 346P	"	53.7	64.6	2.03	8.33	131.		0.6	16	0	"
1765	2-11	132P / 153P	"	31.2	23.7	1.25	7.65	29.7		0.6	14	0	"
1766	2-15	251P / 309P	MIDDLETON-WADDICOR	30.8	21.9	1.28	7.60	28.1		0.6	13	0	"
1767	2-16	1120A / 1139A	MIDDLETON	30.8	22.8	1.24	7.63	28.3		0.6	14	0	"
1768	2-18	130P / 152P	"	30.5	21.6	1.26	7.60	27.3		0.6	13	0	"
1769	2-21	945A / 1008A	"	28.9	22.0	1.23	7.59	27.0		0.6	14	0	"
1770	2-25	1130A / 1152A	MIDDLETON	29.0	21.8	1.24	7.58	27.0		0.6	14	0	FC29
1771	3-1	145P / 207P	"	29.0	21.2	1.19	7.56	25.3		0.6	14	0	"
1772	3-4	1215P / 1237P	"	28.7	20.7	1.19	7.56	24.7		0.6	14	0	"
1773	3-7	1148A / 1212P	WENTZ-MIDDLETON	28.9	20.6	1.15	7.55	23.6		0.6	14	0	"
1774	3-11	1047A / 1107A	MIDDLETON	29.8	22.1	1.06	7.54	23.3		0.6	13	0	"
1775	3-15	1028A / 1052A	"	29.5	22.0	1.12	7.57	24.7		0.6	14	0	"
1776	3-18	125P / 148P	MIDDLETON-WENTZ	64.0	116.	4.18	9.24	485.		0.6	15	0	"
1777	3-18	150P / 225P	WENTZ-MIDDLETON	64.0	121.	3.97	9.24	480.		0.6	15	0	"
1778	3-19	305P / 335P	MIDDLETON	57.0	58.2	2.73	8.50	159.		0.6	17	0	"
1779	3-20	930A / 958A	"	57.2	53.9	2.60	8.42	140.		0.6	16	-.01	"
1780	3-21	1230P / 1250P	"	31.1	24.5	1.49	7.74	36.5		0.6	13	0	"
1781	3-23	233P / 305P	"	57.5	58.4	2.65	8.49	155.		0.6	21	0	"
1782	3-25	950A / 1008A	"	31.0	24.5	1.62	7.77	39.8		0.6	13	-0.01	"
1783	3-25	150P / 210P	"	60.0	63.0	2.60	8.52	164.		0.6	16	-0.16	"
1784	3-26	100P / 122P	"	32.5	27.6	1.75	7.84	48.4		0.6	14	0	"
1785	3-28	935A / 957A	"	34.0	30.4	1.99	7.94	60.4		0.6	14	+.01	"
1786	3-29	337P / 403P	"	41.5	33.0	2.15	8.07	71.0		0.6	16	-.01	"
1787	3-30	725A / 750A	"	71.0	310.	7.74	11.16	2400.	SURF	16	-0.04	"	
1788	3-30	945A / 1007A	"	72.0	302.	8.28	11.22	2500.	"	14	+.04	"	
1789	3-30	1155A / 1220P	MIDDLETON-RUSSELL	72.0	299.	8.49	11.35	2540.	0.6	14	+.10	"	
1790	3-30	145P / 205P	" "	72.0	288.	8.89	11.33	2560.	0.6	14	-.06	"	
1791	3-30	453P / 517P	" "	70.0	242.	8.14	10.89	1970.	0.6	14	-.04	"	
1792	3-30	744P / 802P	" "	70.0	224.	7.77	10.75	1740.	0.6	15	+.02	"	
1793	3-30	1020P / 1040P	" "	70.0	223.	7.17	10.60	1600	0.6	15	-.04	"	
1794	3-31	610A / 635A	MIDDLETON-RUSSELL	68.0	203.	6.50	10.19	1320.	0.6	15	-.02	FC29	
1795	4-1	1045A / 1106A	MIDDLETON	66.0	157.	5.34	9.64	838.	0.6	15	0	"	
1796	4-2	145P / 213P	"	60.0	83.1	2.91	8.62	242.	0.6	17	-.01	"	
1797	4-5	253P / 322P	"	55.5	80.5	1.95	8.32	157.	0.6	16	0	"	
1798	4-6	105P / 133P	"	66.0	146.	4.87	9.44	711.	0.6	15	0	"	
1799	4-8	125P / 140P	"	63.0	108.	3.66	8.94	395.	0.6	13	-0.12	"	
1800	4-9	343P / 410P	"	51.5	77.2	2.36	8.42	182.	0.6	15	-0.01	"	
1801	4-12	215P / 240P	"	48.5	39.4	4.54	8.36	179.	0.6	16	-0.02	"	
1802	4-15	200P / 228P	"	43.0	33.2	4.79		159.	0.6	14	-	"	
1803	4-19	307P / 330P	"	38.8	28.6	4.51	8.02	129.	0.6	13	-0.02	"	
1804	4-22	1002A / 1030A	"	38.5	27.0	3.96	7.95	107.	0.6	14	0	"	
1805	4-26	910A / 936A	"	38.0	24.5	3.77	7.91	92.4	0.6	16	0	"	
1806	4-29	938A / 1005A	"	37.5	22.7	3.56	7.85	80.7	0.6	17	0	"	
1807	5-3	228P / 248P	"	36.5	20.6	3.39	7.77	69.8	0.6	15	0	"	
1808	5-6	1142A / 1204P	"	35.5	18.7	3.22	7.73	60.3	0.6	15	-0.01	"	
1809	5-10	547P / 613P	"	36.0	19.5	3.12	7.75	60.9	0.6	17	0	"	
1810	5-13	422P / 445P	"	35.3	18.8	3.14	7.74	59.0	0.6	14	0	"	
1811	5-17	1250P / 112P	"	35.5	18.3	2.98	7.72	54.6	0.6	15	0	"	
1812	5-20	928A / 948A	"	35.5	19.0	2.98	7.71	56.6	0.6	14	-0.01	"	
1813	5-24	908A / 928A	"	35.5	17.0	3.03	7.70	51.5	0.6	13	0	"	
1814	5-27	940A / 958A	"	35.5	16.9	3.01	7.69	50.8	0.6	13	+0.01	FC18	
1815	5-31	335P / 357P	"	34.3	15.0	2.78	7.61	41.6	0.6	12	0	FC11	
1816	6-3	936A / 952A	"	34.2	14.2	2.96	7.61	42.0	0.8	12	0	"	
1817	6-7	257P	"	33.5	13.4	2.49	7.57	33.4	0.6	12	0	FC29	
1818	6-10	1105A / 1122A	MIDDLETON	33.7	13.6	2.58	7.58	35.1	0.6	12	0	FC29	
1819	6-13	933A / 950A	"	33.7	13.3	2.40	7.56	31.9	0.6	12	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1820	6-17	140P / 155P	G. BROWN	33.5	12.1	2.25	7.52	27.2		0.6	16	0	FC24
1821	6-21	905A / 920A	"	33.0	12.6	2.17	7.51	27.3		0.6	16	0	"
1822	6-24	905A / 925A	"	33.0	12.4	2.11	7.50	26.2		0.6	16	0	"
1823	6-28	905A / 925A	"	33.0	11.4	2.22	7.50	25.3		0.6	17	0	"
1824	7-1	227P / 246P	MIDDLETON	33.0	11.0	1.82	7.48	20.0		0.6	14	0	FC29
1825	7-5	222P / 241P	"	16.2	8.99	2.20	7.50	19.8		0.6	13	0	"
1826	7-8	912A / 930A	"	16.7	10.3	1.92	7.48	19.8		0.6	12	0	"
1827	7-12	220P / 237P	"	16.5	8.46	2.16	7.45	18.3		0.6	12	0	"
1828	7-15	928A / 946A	"	16.5	8.59	2.00	7.44	17.2		0.6	12	0	"
1829	7-19	135P / 154P	"	16.5	8.68	2.12	7.45	18.4		0.6	12	0	"
1830	7-22	904A / 923A	"	16.4	9.35	2.07	7.45	19.4		0.6	12	0	"
1831	7-26	650A / 708A	"	16.2	8.60	2.00	7.44	17.2		0.6	12	+0.01	"
1832	7-29	336P / 352P	"	16.0	7.42	1.79	7.39	13.3		0.6	13	0	"
1833	8-2	335P / 353P	"	16.0	7.54	1.70	7.35	12.8		0.6	13	0	"
1834	8-5	930A / 948A	"	16.0	7.96	1.91	7.38	15.2		0.6	12	0	"
1835	8-9	225P / 240P	"	16.0	8.11	1.78	7.36	14.4		0.6	12	0	"
1836	8-12	928A / 942A	"	15.5	7.41	1.81	7.35	13.4		0.6	10	0	"
1837	8-16	233P / 250P	"	15.5	7.03	1.52	7.29	10.7		0.6	10	0	"
1838	8-19	250P / 308P	"	16.5	7.42	1.68	7.27	12.5		0.6	11	0	"
1839	8-23	251P / 308P	"	14.8	5.88	1.67	7.24	9.8		0.6	12	0	"
1840	8-26	234P / 254P	"	14.5	5.45	1.80	7.22	9.8		0.6	10	0	"
1841	8-30	230P / 248P	"	12.0	5.30	1.91	7.20	10.1		0.6	10	0	"
1842	9-3	320P / 335P	MIDDLETON	12.5	5.29	1.89	7.20	10.0		0.6	10	0	FC29
1843	9-6	255P / 311P	"	13.0	5.35	1.85	7.18	9.9		0.6	12	0	"
1844	9-10	435P / 450P	"	13.0	5.09	1.71	7.16	8.7		0.6	10	0	"
1845	9-13	318P / 334P	"	13.0	5.10	1.80	7.17	9.2		0.6	11	0	"
1846	9-16	1048A / 1105A	"	13.0	5.49	1.84	7.19	10.1		0.6	12	0	"
1847	9-20	950A / 1008A	"	13.0	5.63	1.76	7.19	9.9		0.6	12	0	"
1848	9-23	250P / 311P	"	13.0	5.01	1.72	7.18	8.6		0.6	12	0	"
1849	9-27	120P / 138P	"	13.0	4.93	1.78	7.17	8.8		0.6	12	0	"
1850	9-30	1020A / 1036A	"	13.3	5.62	1.80	7.21	10.1		0.6	11	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1851	10-1	1124A / 1144A	"	36.5	19.9	2.44	7.70	48.6		0.6	13	0	"
1852	10-1	344P / 403P	"	35.0	16.5	2.60	7.65	42.9		0.6	12	0	"
1853	10-2	125P / 145P	"	16.0	10.2	2.48	7.43	25.2		0.6	13	0	"
1854	10-4	1005A / 1023A	"	27.5	12.2	2.18	7.48	26.6		0.6	12	-.01	"
1855	10-7	1133A / 1144A	MIDDLETON VAN DER GOOT	17.0	7.93	2.07	7.33	16.4		0.6	11	0	"
1856	10-11	1053A / 1110A	MIDDLETON	17.2	6.77	2.19	7.32	14.8		0.6	11	0	"
1857	10-14	1137A / 1152A	"	16.0	6.97	2.08	7.30	14.5		0.6	10	0	"
1858	10-17	1130A / 1147A	"	18.5	8.49	2.08	7.37	17.7		0.6	11	0	"
1859	10-21	1015A / 1034A	"	16.0	6.95	2.22	7.32	15.4		0.6	12	0	"
1860	10-24	1240P / 1252P	MIDDLETON-BLAKELY	16.0	6.59	2.25	7.33	14.8		0.6	11	0	"
1861	10-28	1120A / 1140A	BLAKELY	31.6	11.4	2.04	7.42	23.2		0.6	16	0	FC35
1862	10-31	1036A / 1050A	"	16.5	9.30	2.30	7.38	21.4		0.6	13	0	"
1863	11-4	112P / 128P	MIDDLETON	15.5	7.77	2.21	7.35	17.2		0.6	11	0	FC29
1864	11-7	1252P / 110P	"	15.2	8.16	2.11	7.33	17.2		0.6	12	+.01	"
1865	11-8	1245P / 102P	"	16.5	9.04	2.35	7.40	21.2		0.6	11	0	"
1866	11-11	820P / 842P	"	34.0	16.5	2.85	7.62	47.0		0.6	14	0	"
1867	11-12	1000A / 1018A	"	44.5	34.2	3.80	8.16	130.		0.6	14	0	"
1868	11-12	230P / 250P	"	62.0	69.9	5.93	8.78	414.		0.6	13	-.02	"
1869	11-12	650P / 710P	MIDDLETON-CROWELL	50.0	50.0	5.84	8.56	292.		0.6	12	-.02	"
1870	11-12	845P / 907P	" "	50.0	56.0	5.96	8.65	334.		0.6	12	-.02	"
1871	11-12	1110P / 1136P	" "	52.0	66.4	7.23	8.91	480.		0.6	13	+.06	"
1872	11-13	1230A / 1252A	" "	56.0	81.7	7.13	9.08	582.		0.6	13	-.04	"
1873	11-13	450A / 511A	" "	92.0	68.0	6.41	8.84	436.		0.6	13	0	"
1874	11-13	835A / 858A	" "	53.0	89.0	7.84	9.16	697.		0.6	13	+.14	"
1875	11-13	932A / 956A	" "	62.0	129.	7.98	9.53	1030.		0.6	13	+.14	"
1876	11-13	1033A / 1057A	" "	70.0	164.	7.62	10.15	1250.		0.6	14	+.14	"
1877	11-13	1145A / 1207P	" "	70.0	175.	7.88	10.21	1380.		0.6	14	+.06	"
1878	11-13	308P / 327P	" "	59.0	127.	6.31	9.54	801.		0.6	12	-.06	"
1879	11-13	705P / 730P	" "	58.0	111.	4.48	9.05	497.		0.6	13	-.04	"
1880	11-14	550P / 612P	MIDDLETON	52.0	67.2	4.42	8.65	297.		0.6	13	+.02	"
1881	11-14	800A / 822A	"	56.0	85.9	3.27	8.61	281.		0.6	14	+.02	"
1882	11-14	1015A / 1040A	MIDDLETON-CROWELL	55.5	82.0	3.11	8.54	255.		0.6	14	-.02	"
1883	11-14	230P / 253P	" "	55.5	79.3	2.80	8.43	222.		0.6	14	-.02	"
1884	11-15	210P / 233P	MIDDLETON	53.3	59.8	2.56	8.14	153.		0.6	14	-.01	"
1885	11-18	200P / 225P	"	46.2	48.4	2.00	7.91	97.4		0.6	14	0	"
1886	11-20	735A / 757A	"	56.0	108.	4.97	8.93	537.		0.6	14	+.08	"
1887	11-20	850A / 907A	"	61.0	133.	6.37	9.39	847.		0.6	13	+.08	"
1888	11-20	952A / 1008A	"	66.0	167.	6.88	9.85	1150.		0.6	13	+.20	"
1889	11-20	1130A / 1150A	"	69.0	223.	7.27	10.21	1620.		0.6	14	+.02	"
1890	11-20	1240P / 103P	"	70.0	232.	7.54	10.35	1750.		0.6	16	+.03 -.02	"
1891	11-20	205P / 228P	"	68.0	186.	6.50	10.21	1210.		0.6	16	-.02	"
1892	11-20	440P / 507P	"	67.0	171.	5.55	9.95	949.		0.6	15	-.04	"
1893	11-21	1005A / 1027A	"	63.0	109.	3.50	8.92	381.		0.6	14	-.02	"
1894	11-22	1003A / 1028A	"	59.5	88.5	2.95	8.62	261.		0.6	20	-.01	"
1895	11-22	503P / 530P	"	58.0	111.	3.96	9.02	440.		0.6	14	+.04	"
1896	11-22	835P / 906P	"	65.0	136.	5.02	9.43	682.		0.6	16	+.02	"
1897	11-23	745A / 815A	"	66.0	144.	5.83	9.64	840.		0.6	16	+.08	"
1898	11-23	927A / 950A	"	67.0	172.	6.68	9.92	1150.		0.6	16	+.04	"
1899	11-23	1050A / 1120A	MIDDLETON-CROWELL	68.0	183.	6.78	10.18	1240.		0.6	16	+.04	"
1900	11-23	1138A / 1200N	" "	69.0	191.	6.76	10.22	1290.		0.6	15	+.08	"
1901	11-23	127P / 150P	" "	69.0	191.	6.80	10.23	1300.		0.6	15	-.06	"
1902	11-23	430P / 453P	" "	68.0	181.	6.19	10.05	1120.		0.6	15	-.06	"
1903	11-24	1145A / 1210P	MIDDLETON	66.0	158.	4.94	9.56	780.		0.6	16	-.01	"
1904	11-25	305P / 332P	"	60.0	128.	4.52	9.30	579.		0.6	15	0	FC18
1905	11-29	1205P / 1235P	"	54.0	71.9	2.17	8.24	156.		0.6	18	0	FC29
1906	12-2	1110A / 1134A	"	53.0	62.1	1.98	8.08	123.		0.6	15	0	"
1907	12-5	1025A / 1047A	"	52.7	58.1	1.88	8.00	109.		0.6	14	0	"
1908	12-9	130P / 150P	MIDDLETON-SPANGLER	52.5	61.5	2.02	8.08	124.		0.6	14	0	"
1909	12-12	1116A / 1137A	MIDDLETON	40.5	37.5	2.11	7.84	79.2		0.6	14	0	"
1910	12-16	138P / 200P	"	41.0	38.7	1.83	7.77	70.9		0.6	14	0	"
1911	12-19	1128A / 1150A	"	39.5	37.2	1.79	7.74	66.7		0.6	14	0	"
1912	12-23	1040A / 1100A	"	37.0	32.0	1.50	7.57	47.7		0.6	13	0	FC18
1913	12-25	826A / 854A	"	60.5	97.9	3.27	8.80	320.		0.6	15	+.01	"
1914	12-25	147P / 208P	MIDDLETON - TREAT	66.0	157.	5.41	9.66	849.		0.6	15	+.06	"
1915	12-25	715P / 740P	" "	70.0	238.	7.35	10.48	1750.		0.6	15	+.15	FC29
1916	12-25	1050P / 1130P	MIDDLETON	74.0	336.	10.2	11.63	3440.		SURF 0.6	15	+.30	"
1917	12-26	1232A / 105A	"	75.0	395.	9.88	11.65	3900.		SURF	15	-.14	"
1918	12-26	152A / 230A	"	74.0	376.	9.81	11.59	3690.		"	16	-.03	FC18
1919	12-26	845A / 907A	"	70.0	272.	7.98	10.83	2170.		0.6	14	-.06	"
1920	12-26	240P / 307P	MIDDLETON D. MIDDLETON	70.0	248.	6.98	10.59	1730.		0.6	15	-.06	"
1921	12-27	702A / 730A	MIDDLETON	70.0	230.	6.74	10.39	1550.		0.6	14	-.02	"
1922	12-27	125P / 156P	"	69.0	234.	6.58	10.33	1540.		0.6	17	0	"
1923	12-27	402P / 430P	"	68.0	210.	5.67	9.97	1190.		0.6	17	-.01	"
1924	12-28	402P / 435P	"	68.0	198.	5.25	9.69	1040.		0.6	17	0	"
1925	12-30	300P / 323P	"	65.0	140.	3.28	8.92	459.		0.6	16	0	"
1926	1-2	945A / 1013A	"	66.2	109.	2.80	8.61	305.		0.6	18	0	"
1927	1-7	955A / 1025A	"	64.5	90.5	2.18	8.32	197.		0.6	19	0	"
1928	1-10	1045A / 1108A	"	62.0	77.4	2.21	8.19	171.		0.6	17	0	"
1929	1-13	325P / 348P	"	55.5	49.0	3.10		152.		0.6	15		FC29
1930	1-16	245P / 307P	"	50.2	42.0	3.14		132.		0.6	15		"
1931	1-20	305P / 333P	"	52.5	48.3	2.55		123.		0.6	16		"
1932	1-23	342P / 410P	"	52.7	45.9	2.59		119.		0.6	17		"
1933	1-27	333P / 352P	"	44.0	35.4	2.78		98.3		0.6	17		"
1934	1-28	1137A / 1158A	"	53.5	42.4	3.30	7.99	140.		0.6	15	+.01	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

NEAR MEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1935	1-28	304P / 328P	"	60.0	47.4	3.58	8.12	170.		0.6	18	0	"
1936	1-30	1112A / 1130A	MIDDLETON-MELLEN	49.0	33.9	3.13		106.		0.6	17		"
1937	2-3	140P / 206P	MIDDLETON	50.0	29.2	3.22	7.76	94.1		0.6	23	0	"
1938	2-6	1120A / 1148A	"	50.5	29.1	3.10	7.74	90.1		0.6	24	0	"
1939	2-10	245P / 308P	"	50.0	28.9	3.35	7.74	96.7		0.6	16	0	"
1940	2-13	200P / 224P	"	49.5	26.2	3.06	7.72	80.1		0.6	17	0	"
1941	2-17	310P / 333P	"	49.5	30.0	2.47	7.74	74.1		0.6	16	0	"
1942	2-20	1030A / 1057A	"	50.2	33.3	2.29	7.75	76.1		0.6	17	0	"
1943	2-24	355P / 420P	"	47.5	33.6	2.14	7.68	71.7		0.6	17	0	"
1944	2-27	913A / 936A	"	47.0	34.6	1.94	7.69	67.1		0.6	15	0	"
1945	3-3	407P / 432P	"	47.0	35.0	1.86	7.66	65.0		0.6	16	0	"
1946	3-6	142P / 208P	"	45.0	33.6	1.75	7.65	58.7		0.6	16	0	"
1947	3-10	310P / 334P	"	43.5	32.1	1.76	7.63	56.6		0.6	15	0	"
1948	3-13	252P / 315P	"	42.2	29.7	1.75	7.60	52.0		0.6	15	0	"
1949	3-17	417P / 443P	"	43.2	30.6	1.65	7.58	50.4		0.6	15	0	"
1950	3-20	245P / 308P	"	44.0	31.8	1.91	7.63	60.8		0.6	15	0	"
1951	3-21	1133A / 1203P	"	48.0	34.9	2.06	7.70	71.8		0.6	16	0	"
1952	3-24	1140A / 1205P	"	43.5	30.0	1.85	7.63	55.5		0.6	15	0	"
1953	3-27	1237P / 100P	"	42.5	29.1	1.70	7.58	49.6		0.6	15	0	"
1954	3-28	308P / 332P	"	46.5	36.2	2.11	7.74	76.4		0.6	16	0	"
1955	3-31	313P / 335P	"	42.5	29.2	1.89	7.61	55.1		0.6	14	0	"
1956	4-3	237P / 258P	"	43.5	35.0	1.85	7.63	64.6		0.6	14	0	"
1957	4-7	1130A / 1158A	"	43.0	29.7	1.70	7.57	50.5		0.6	15	0	"
1958	4-10	1006A / 1028A	"	43.0	30.3	1.57	7.54	47.6		0.6	15	0	"
1959	4-14	205P / 226P	MIDDLETON - MAZE	42.0	27.4	1.59	7.48	43.6		0.6	15	0	"
1960	4-17	928A / 950A	MIDDLETON	42.2	28.3	1.53	7.47	43.2		0.6	14	0	"
1961	4-21	928A / 950A	"	42.3	26.6	1.62	7.48	43.2		0.6	14	0	"
1962	4-24	910A / 935A	"	42.3	27.8	1.51	7.48	41.9		0.6	15	0	"
1963	4-28	130P / 153P	"	42.0	27.5	1.45	7.48	39.9		0.6	14	0	"
1964	5-1	1100A / 1124A	"	41.5	26.4	1.53	7.43	40.4		0.6	15	0	"
1965	5-5	1035A / 1057A	"	30.0	22.4	1.46	7.38	32.6		0.6	15	0	"
1966	5-8	938A / 958A	"	29.5	21.3	1.48	7.39	31.6		0.6	14	0	"
1967	5-12	104P / 126P	"	30.0	23.2	1.41	7.38	32.7		0.6	15	0	"
1968	5-15	917A / 940A	"	31.0	23.3	1.48	7.40	34.5		0.6	15	0	"
1969	5-19	1005A / 1028A	"	29.5	21.0	1.31	7.34	27.6		0.6	15	0	"
1970	5-22	933A / 952A	"	29.5	20.5	1.39	7.33	28.4		0.6	15	+.01	"
1971	5-26	1040A / 1100A	"	29.0	19.7	1.31	7.31	25.9		0.6	14	0	"
1972	5-29	925A / 947A	"	29.7	20.4	1.38	7.33	28.1		0.6	15	0	"
1973	6-2	355P / 418P	"	29.5	20.3	1.31	7.30	26.5		0.6	15	0	"
1974	6-6	1000A / 1022A	"	29.5	20.5	1.38	7.32	28.3		0.6	15	0	"
1975	6-9	938A / 1000A	"	29.5	19.1	1.37	7.30	26.2		0.6	15	0	"
1976	6-12	917A / 938A	"	27.5	18.4	1.23	7.27	22.7		0.6	14	0	"
1977	6-16	915A / 934A	"	27.1	16.6	1.18	7.23	19.6		0.6	13	0	"
1978	6-20	912A / 934A	"	27.7	17.5	1.19	7.23	20.8		0.6	14	0	"
1979	6-23	928A / 950A	"	27.2	16.7	1.13	7.22	18.8		0.6	14	0	"
1980	6-27	124P / 140P	MIDDLETON - LANG	27.5	16.0	1.10	7.19	17.6		0.6	14	0	"
1981	6-30	130P / 149P	MIDDLETON	23.5	14.8	1.10	7.16	16.4		0.6	12	0	"
1982	7-3	1210P / 1230P	LANG - MIDDLETON	23.0	13.8	1.07	7.14	14.8		0.6	12	0	"
1983	7-7	1213P / 1234P	LANG	25.5	16.6	0.90	7.22	14.9		0.6	13	0	"
1984	7-10	110P / 128P	"	25.0	15.7	0.76	7.20	11.9		0.6	13	0	"
1985	7-14	240P / 258P	MIDDLETON	24.5	15.0	0.81	7.18	12.1		0.6	13	0	"
1986	7-17	1221P / 1240P	"	24.5	15.2	0.82	7.19	12.4		0.6	13	0	"
1987	7-21	200P / 218P	"	24.5	15.1	0.72	7.16	10.9		0.6	13	0	"
1988	7-24	300P / 318P	"	25.0	14.5	0.70	7.15	10.1		0.6	13	0	"
1989	7-28	322P / 340P	"	22.7	13.3	0.65	7.13	8.6		0.6	12	0	"
1990	7-31	1257P / 111P	MIDDLETON VAN DER GOOT	24.5	14.6	0.75	7.14	10.9		0.6	13	0	"
1991	8-4	338P / 355P	MIDDLETON	22.5	13.2	0.65	7.12	8.6		0.6	12	0	"
1992	8-7	135P / 154P	"	23.7	13.1	0.64	7.12	8.4		0.6	12	-.02	"
1993	8-11	1245P / 103P	"	22.5	14.0	0.76	7.15	10.7		0.6	12	0	"
1994	8-14	104P / 122P	"	22.5	13.5	0.73	7.14	9.9		0.6	12	0	"
1995	8-18	1247P / 125P	LANG	22.5	13.1	0.72	7.13	9.4		0.6	22	0	"
1996	8-21	100P / 120P	"	22.5	13.7	0.72	7.12	9.8		0.6	14	0	"
1997	8-26	1245P / 103P	"	22.7	13.5	0.74	7.12	10.0		0.6	13	0	"
1998	8-28	1255P / 112P	"	22.6	13.6	0.72	7.12	9.8		0.6	14	0	"
1999	9-2	127P / 145P	MIDDLETON	22.5	12.4	0.64	7.10	7.9		0.6	12	0	"
2000	9-4	332P / 357P	"	22.5	12.2	0.61	7.08	7.4		0.6	11	0	"
2001	9-8	103P / 118P	"	21.0	12.4	0.70	7.12	8.7		0.6	11	0	"
2002	9-11	305P / 327P	"	20.5	11.9	0.72	7.11	8.6		0.6	11	0	"
2003	9-15	122P / 140P	"	20.5	11.4	0.68	7.09	7.8		0.6	11	0	"
2004	9-18	120P / 1237P	"	21.2	12.7	0.84	7.15	10.7		0.6	11	0	"
2005	9-22	120P / 138P	"	21.0	12.0	0.77	7.12	9.2		0.6	11	0	"
2006	9-25	1038A / 1057A	"	21.0	12.0	0.78	7.10	8.5		0.6	11	0	"
2007	9-29	100P / 118P	"	21.0	11.6	0.64	7.08	7.4		0.6	11	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER-WEST FORK above Forks, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	21	16	48	24	25	654	75	42	19	13	10
2	13	18	16	46	24	25	461	72	40	19	14	10
3	13	30	16	48	95	25	198	70	40	18	14	10
4	14	190	16	45	53	25	182	68	38	17	14	9.6
5	14	194	16	43	70	25	168	64	36	18	14	9.6
6	20	60	16	41	135	24	480	61	34	17	14	9.6
7	24	85	16	39	132	24	658	61	33	18	14	9.6
8	23	20	16	77	124	23	339	61	33	19	14	9.6
9	20	18	16	138	36	22	192	62	33	18	14	8.8
10	18	31	16	132	30	23	188	62	32	19	14	8.8
11	18	46	16	128	31	23	184	61	31	19	14	9.6
12	18	42	16	44	30	23	179	59	30	19	12	9.6
13	18	18	16	29	29	30	173	59	30	19	11	8.8
14	17	16	16	28	28	28	166	59	29	18	11	8.8
15	17	16	16	28	29	25	159	58	29	16	10	8.8
16	17	16	16	28	28	23	152	57	28	16	10	8.8
17	17	16	16	28	27	23	145	53	28	17	11	9.6
18	17	16	16	28	27	265	137	53	27	18	12	8.8
19	17	16	16	28	27	146	129	52	26	19	12	8.8
20	17	16	16	28	27	128	125	52	27	20	11	8.8
21	16	16	423	27	27	38	118	52	26	18	11	9.6
22	16	15	1500	27	27	30	108	52	27	17	8.8	8.8
23	16	15	1190	27	27	94	102	51	27	16	8.8	9.6
24	16	15	714	26	27	139	98	50	26	16	8.8	8.8
25	16	16	368	26	27	77	96	48	26	16	8.8	8.0
26	16	16	171	26	27	50	92	50	25	16	8.8	8.0
27	16	16	128	25	26	46	90	50	24	14	8.8	8.0
28	16	16	105	25	26	57	85	47	24	14	9.6	8.0
29	20	16	84	25		74	81	45	22	14	10	8.8
30	32	16	57	25		1830	78	44	21	14	10	12
31	25		53	24		1190		43		14	10	
	550	1042	5113	1337	1220	4580	6217	1751	894	532	356.4	275.6
MEAN	17.7	34.7	165.	43.1	43.6	148.	207.	56.5	29.8	17.2	11.5	9.19
ACRE-FEET	1,090	2,070.	10,140.	2,650.	2,420.	9,080	12,330.	3,470.	1,770.	1,060.	707.	547.

Remarks:

YEAR OR PERIOD MEAN 65.3
ACRE-FEET 47,330.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

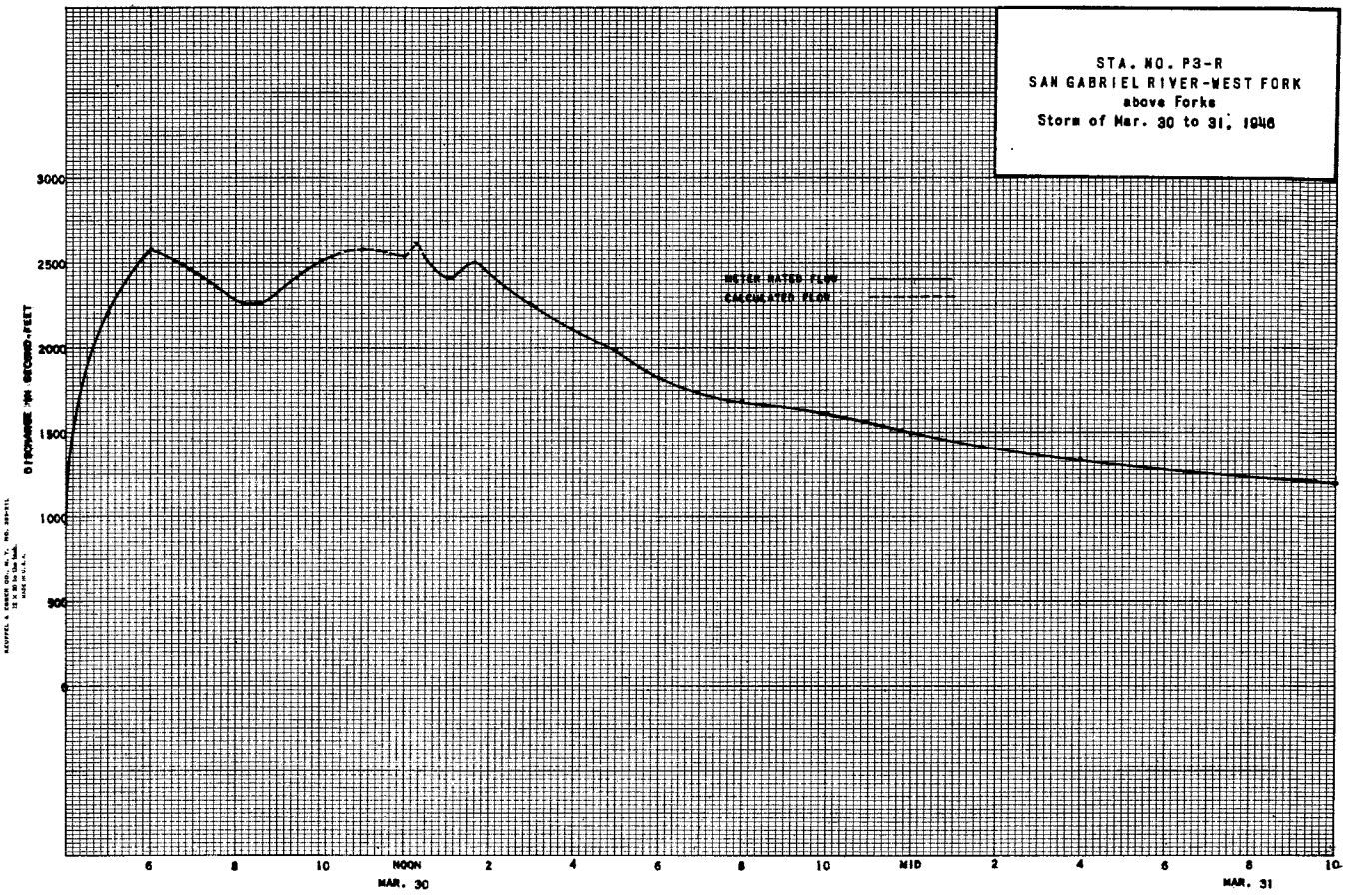
Sta. No. P 3-R

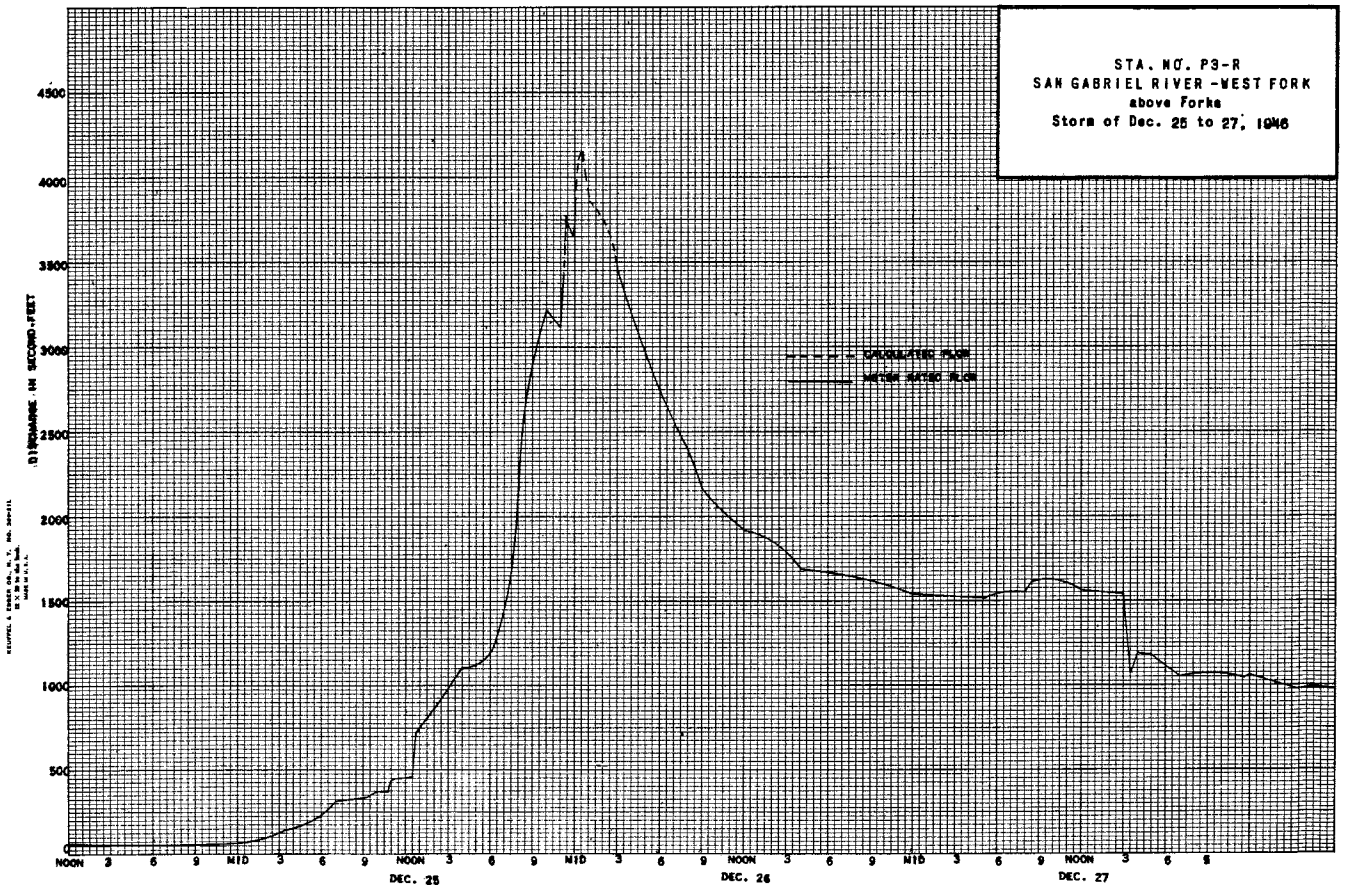
Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	19	134	329	98	66	57	38	27	17	9.2	7.6
2	29	17	121	306	96	65	58	35	27	15	9.7	7.6
3	22	15	116	287	94	66	63	33	27	15	9.2	7.6
4	25	15	112	270	95	68	60	30	26	14	8.9	7.6
5	18	15	121	353	95	65	57	30	27	14	8.9	7.6
6	16	15	156	296	93	62	54	30	27	14	8.9	7.6
7	15	15	144	197	91	60	52	32	26	14	8.9	7.9
8	15	20	132	186	89	58	51	32	26	13	9.7	8.2
9	14	18	115	180	97	58	50	32	26	13	10	8.6
10	14	17	87	172	97	57	48	33	25	13	10	8.9
11	14	29	84	159	91	56	46	33	23	13	10	8.9
12	14	231	80	155	86	54	44	30	21	13	9.7	8.6
13	14	680	78	152	80	52	42	30	20	12	9.7	8.2
14	14	250	76	145	76	52	41	33	20	12	9.2	8.2
15	14	159	74	138	74	51	39	33	19	12	9.2	7.9
16	18	128	71	132	76	51	39	32	19	12	9.2	7.9
17	17	114	70	129	76	50	39	29	18	12	9.2	8.9
18	15	103	68	127	78	50	41	27	18	12	8.9	10
19	15	93	66	125	76	52	41	26	19	12	8.9	9.7
20	15	754	60	123	76	58	39	26	20	11	9.7	8.9
21	15	385	51	122	73	70	41	27	20	11	10	9.2
22	15	374	50	121	71	63	42	27	19	11	11	8.9
23	14	970	50	119	68	60	41	27	18	11	11	8.6
24	14	790	62	113	66	56	41	26	17	11	11	8.2
25	15	601	1000	108	66	52	39	25	17	11	10	8.2
26	15	434	2270	103	68	51	41	25	17	10	11	7.9
27	21	203	1390	98	68	51	42	27	17	10	11	7.6
28	25	178	1030	131	68	70	42	29	17	10	10	7.3
29	23	156	906	115		63	41	27	17	10	10	7.0
30	21	146	551	106		58	39	27	17	9.2	9.2	7.6
31	21		365	101		56		28		9.2	8.2	
	549.0	6944.0	9690.0	5198.0	2282.0	1801.0	1370.0	919.0	637.0	376.4	299.5	246.9
MEAN	17.7	231	313	168	81.5	58.1	45.7	29.6	21.2	12.1	9.66	8.23
ACRE-FEET	1,090	13,770	19,220	10,310	4,530	3,570	2,720	1,820	1,260	747	594	490

Remarks:

YEAR OR PERIOD MEAN 83.0
ACRE-FEET 60,120


STA. NO. P3-R
SAN GABRIEL RIVER-WEST FORK
above Forks
Storm of Mar. 30 to 31, 1948
METER WATER FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
3000
2500
2000
1500
1000
500
0
6
8
10
NOON
2
4
6
8
10
MID
2
4
6
8
10
MAR. 30
MAR. 31


STA. NO. P3-R
SAN GABRIEL RIVER -WEST FORK
above Forks
Storm of Dec. 25 to 27, 1948
CALCULATED FLOW
METER WATER FLOW
DISCHARGE IN SECOND-FEET
4500
4000
3500
3000
2500
2000
1500
1000
500
0
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
8
DEC. 25
DEC. 26
DEC. 27

STATION P4B-R
SAN GABRIEL RIVER-EAST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'09", LONG. 117°48'18", ON THE RIGHT (NORTH) BANK ABOVE THE HIGH WATER LINE OF SAN GABRIEL DAM NO. 1, 2.5 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 OF A MILE DOWNSTREAM.

DRAINAGE AREA: 88.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. CONTROL - A CONCRETE CONTROL WITH A 20 FOOT LOW FLOW NOTCH WAS CONSTRUCTED IN NOVEMBER 1947.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: INSTALLED NOVEMBER 30, 1932, AT STATION P4-R. MOVED TO STATION P4B-R DECEMBER 10, 1938, AND INSTALLED IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R. NOVEMBER 30, 1932 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 2760 SECOND-FEET, DECEMBER 21.
MINIMUM 19 SECOND-FEET SEVERAL DAYS IN DECEMBER.

1946-1947
MAXIMUM 1900 SECOND-FEET, DECEMBER 26.
MINIMUM 12.5 VARIOUS TIMES.

1932-1946
MAXIMUM 46,000 SECOND-FEET, MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY).
MINIMUM 1.5 SECOND-FEET, OCTOBER 1, 1934.

ACCURACY: POOR DUE TO EXTREME CHANNEL SHIFT.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THE STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - EAST FORK

~~NR.~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19~~47~~ 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1357	10/2	930A / 952A	MIDDLETON	17.3	8.67	2.49	7.93	22.1		.6	15	0	FC29
1358	10/5	350P / 412P	"	17.3	8.37	2.38	7.92	19.9		.6	14	0	"
1359	10/7	800A / 822A	"	35.9	13.2	2.32	7.97	30.6		.6	18	0	"
1360	10/8	1010A / 1035A	MIDDLETON F.W. TREAT	36.0	12.6	1.89	7.97	23.8		.6	19	0	"
1361	10/8	1040A / 1113A	TREAT MIDDLETON	36.0	12.9	1.87	7.97	24.1		.6	19	0	"
1362	10/11	1040A / 1110A	TREAT MIDDLETON	19.5	9.31	2.52	7.97	23.5		.6	16	0	"
1363	10/15	1035A / 1055A	MIDDLETON	19.5	9.19	2.55	7.97	23.4		.6	15	+.01	"
1364	10/19	430P / 452P	"	19.0	8.68	2.38	7.97	20.7		.6	14	0	"
1365	10/22	1235P / 1257P	"	19.0	9.09	2.41	7.96	21.9		.6	14	0	"
1366	10/26	1025A / 1046A	"	19.0	8.96	2.38	7.96	21.3		.6	14	0	"
1367	10/28	952A / 1010A	"	19.0	9.47	2.40	7.97	22.7		.6	14	0	"
1368	10/30	1208P / 1238P	"	37.5	20.2	3.85	8.18	77.8		.6	19	-.01	"
1369	10/30	350P / 420P	"	37.0	18.6	3.36	8.09	62.5		.6	19	-.02	"
1370	10/31	1007A / 1028A	"	19.8	11.1	2.27	8.02	30.8		.6	16	0	"
1371	11/1	930A / 950A	"	20.0	10.4	2.84	8.03	29.5		.6	15	0	"
1372	11/6	1118A / 1133A	"	20.0	9.87	2.60	8.04	25.7		.6	14	0	"
1373	11/9	205P / 233P	"	19.7	9.77	2.52	8.00	24.6		.6	14	0	"
1374	11/13	1210P / 1232P	"	20.0	10.2	2.28	8.03	23.3		.6	15	0	"
1375	11/16	947A / 1010A	"	19.5	9.86	2.29	8.00	22.6		.6	14	0	"
1376	11/19	1040A / 1102A	"	24.0	9.96	2.19	8.00	21.8		.6	12	0	"
1377	11/23	150P / 211P	"	23.7	9.84	2.08	7.99	20.5		.6	12	0	"
1378	11/27	1003A / 1027A	"	23.4	9.76	2.09	7.99	20.4		.6	12	0	"
1379	11/30	1054A / 1112A	MIDDLETON	23.4	9.90	2.17	8.00	21.5		.6	12	0	FC29
1380	12/3	1050A / 1108A	"	24.0	9.75	2.15	8.00	21.0		.6	12	0	"
1381	12/7	225P / 243P	"	23.5	9.69	2.10	8.00	20.4		.6	12	0	"
1382	12/10	940A / 1000A	"	23.5	9.92	2.10	7.99	20.8		.6	12	0	"
1383	12/14	304P / 327P	"	23.0	9.55	2.04	7.99	19.5		.6	13	0	"
1384	12/17	1024A / 1045A	"	23.5	9.64	1.97	7.98	19.0		.6	13	0	"
1385	12/20	934A / 955A	"	23.5	9.80	2.06	7.98	20.2		.6	13	0	"
1386	12/21	810P / 825P	WADDICOR	50.0	106.	10.1	9.31	1070.		.6	6	+0.42	FC11
1387	12/21	1035P / 1055P	"	126.	265	10.4	10.87	2760.		.6	8	+0.06	"
1388	12/22	105A / 130A	WADDICOR SPANGLER	118.	189.	10.1	10.44	1910.		.6	6	-0.08	"
1389	12/22	549A / 607A	WADDICOR	TWO CHANNELS			10.95	1970.		.6	9	-0.04	"
1390	12/22	828A / 844A	WADDICOR SPANGLER	" "			10.55	2000.		.6	12	-0.14	"
1391	12/22	1103A / 1118A	WADDICOR SPANGLER	" "			10.46	1910.		.6	10	-0.02	"
1392	12/22	210P / 229P	WADDICOR SPANGLER	" "			9.10	1300.		.6	10	-0.20	"
1393	12/22	426P / 443P	WADDICOR SPANGLER	" "				847.		.6	9		"
1394	12/22	641P / 652P	WADDICOR SPANGLER	" "				1100.		.6	9		"
1395	12/22	1051P / 1105P	WADDICOR SPANGLER	" "				832.		.6	9		"
1396	12/23	605A / 617A	WADDICOR SPANGLER	" "			10.20	1580.		.6	8	+0.20	"
1397	12/23	818A / 832A	WADDICOR SPANGLER	" "			10.33	2080.		.6	10	+0.02	"
1398	12/23	1006A / 1024A	WADDICOR SPANGLER	" "			10.30	1620.		.6	10	-0.04	"
1399	12/23	116P / 132P	WADDICOR SPANGLER	" "			10.11	1230.		.6	11	0	"
1400	12/24	1100A / 1140A	MIDDLETON	THREE CHANNELS			8.28	481.		.6	23	0	FC29
1401	12/24	417P / 426P	WADDICOR SPANGLER	THREE CHANNELS			8.14	402.		.6	12	0	FC11
1402	12/25	735A / 748A	WADDICOR SPANGLER	" "				274.		.6	10		"
1403	12/28	955A / 1035A	MIDDLETON	TWO CHANNELS				164.		.6	23		FC29
1404	1/1	1035A / 1105A	MIDDLETON TREAT	THREE CHANNELS				114.		.6	26		"
1405	1/4	330P / 402P	MIDDLETON	" "				108.		.6	21		"
1406	1/11	1000A / 1038A	"	TWO CHANNELS				78.6		.6	21		"
1407	1/14	1057A / 1130A	"	" "				63.7		.6	20		"
1408	1/18	132P / 202P	"	" "				62.1		.6	20		"
1409	1/21	1046A / 1115A	"	" "				57.4		.6	22		"
1410	1/25	305P / 330P	"	" "				56.4		.6	15		"
1411	1/28	130P / 152P	"	26.0	21.2	2.58		54.6		.6	14		"
1412	1/30	330P / 352P	"	25.5	20.9	2.42		50.6		.6	13		"
1413	2/1	235P / 258P	"	25.3	20.2	2.51		50.8		.6	14		"
1414	2/4	117P / 140P	"	25.2	21.6	3.23		69.7		.6	14		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - EAST FORK

~~NEAR~~ above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1415	2/6	307P / 330P	"	25.0	18.7	3.09		57.8		.6	13		"
1416	2/8	202P / 221P	"	24.6	19.0	2.88		54.7		.6	12		"
1417	2/11	1035A / 1057A	"	25.0	19.0	3.03		57.6		.6	13		"
1418	2/15	1227P / 1240P	MIDDLETON WADDICOR	24.6	18.0	3.06		55.1		.6	12		"
1419	2/16	1020A / 1039A	MIDDLETON	25.0	18.4	2.97		54.6		.6	14		"
1420	2/18	1120A / 1139A	"	24.6	17.7	2.85		50.4		.6	12		"
1421	2/21	1051A / 1112A	"	24.5	18.0	2.74		49.4		.6	13		"
1422	2/25	345P / 407P	"	25.0	17.3	2.84	8.23	49.2		.6	13	0	"
1423	3/1	330P / 352P	MIDDLETON	24.2	16.6	2.80	8.24	46.6		.6	13	0	FC29
1424	3/4	136P / 155P	"	24.5	16.8	2.66	8.25	44.7		.6	12	0	"
1425	3/7	328P / 352P	WENTZ MIDDLETON	24.3	17.2	2.46	8.24	42.4		.6	14	0	"
1426	3/7	354P / 412P	MIDDLETON WENTZ	24.5	16.9	2.52	8.24	42.5		.6	13	0	"
1427	3/11	1244P / 105P	MIDDLETON	24.5	16.4	2.46	8.35	40.3		.6	13	0	"
1428	3/15	900A / 922A	"	25.0	17.4	2.53	8.37	44.0		.6	13	0	"
1429	3/19	405P / 420P	G. BROWN	24.5	19.4	2.66	8.43	51.7		.6	13	0	FC24
1430	3/19	840P / 853P	G. BROWN SPANGLER	24.5	19.9	2.88	8.43	57.4		.6	13	0	"
1431	3/20	715A / 730A	G. BROWN SPANGLER	24.5	18.9	2.69	8.40	51.0		.6	13	0	"
1432	3/20	1135A / 1150A	G. BROWN SPANGLER	24.0	18.5	2.72	8.40	50.4		.6	13	0	"
1433	3/20	335P / 350P	G. BROWN SPANGLER	24.5	19.4	2.52	8.40	49.3		.6	13	0	"
1434	3/21	1110A / 1126A	MIDDLETON SPANGLER	25.0	18.9	2.45	8.39	46.3		.6	13	0	FC29
1435	3/22	1035A / 1055A	MIDDLETON	25.3	17.8	2.58	8.38	46.0		.6	13	0	"
1436	3/26	300P / 321P	"	24.5	18.1	2.61	8.38	47.2		.6	12	0	"
1437	3/28	1032A / 1051A	"	26.0	22.4	2.88	8.46	64.4		.6	13	0	"
1438	3/29	218P / 239P	"	25.5	21.0	3.11	8.46	65.4		.6	13	0	"
1439	3/30	902A / 925A	G. BROWN SPANGLER	THREE CHANNELS			9.40	1040.		.6	18	-.10 +.16	FC11
1440	3/30	952A / 1020A	G. BROWN SPANGLER	TWO CHANNELS			10.10	1130.		.6	24	+.42	"
1441	3/30	1030A / 1100A	G. BROWN SPANGLER	" "			10.24	1200.		.6	23	-.08	"
1442	3/30	1138A / 1210P	G. BROWN SPANGLER	132	187.	6.58	10.06	1230		.6	23	+.26	"
1443	3/30	1235P / 115P	G. BROWN SPANGLER	133	186.	7.41	10.07	1380.		.6	22	-.19 +.40 -.22	"
1444	3/30	255P / 317P	G. BROWN SPANGLER	THREE CHANNELS			10.02	999.		.6	19	+.12 -.12	"
1445	3/30	330P / 400P	G. BROWN SPANGLER	THREE CHANNELS			10.00	1090.		.6	21	±.10	EC11
1446	3/30	507P / 530P	G. BROWN SPANGLER	" "			10.00	946.		.6	12	±.08	"
1447	3/30	735P / 805P	G. BROWN SPANGLER	" "			9.83	723.		.6	12	-.05 +.15	"
1448	3/30	1010P / 1035P	G. BROWN SPANGLER	" "			9.91	782.		.6	13	±.06	"
1449	3/31	1210A / 1235A	G. BROWN SPANGLER	TWO CHANNELS			9.83	706.		.6	12	-.03	"
1450	3/31	735A / 800A	G. BROWN SPANGLER	" "			9.62	488.		.6	12	-.03	"
1451	3/31	1120A / 1147A	G. BROWN SPANGLER	" "			9.53	421.		.6	17	0	"
1452	4/1	200P / 220P	MIDDLETON SPANGLER	55.0	51.9	5.09	9.21	264.		.6	15	0	FC29
1453	4/5	1031A / 1100A	MIDDLETON SPANGLER	TWO CHANNELS			9.05	218.		.6	18	0	FC29
1454	4/8	1043A / 1110A	MIDDLETON	" "			8.99	189.		.6	20	+.02	"
1455	4/10	215P / 250P	"	" "			8.92	172.		.6	21	0	"
1456	4/12	1015A / 1053A	"	" "			8.95	192.		.6	21	0	"
1457	4/15	1145A / 1230P	"	" "			8.95	190.		.6	26	0	"
1458	4/19	1120A / 1152A	"	43.5	45.4	4.58	8.98	208.		.6	15	-.02	"
1459	4/22	222P / 255P	"	TWO CHANNELS			8.89	177.		.6	21	-.01	"
1460	4/26	1114A / 1150A	"	" "			8.82	162.		.6	21	0	"
1461	4/29	1125A / 1157A	"	" "			8.76	141.		.6	20	0	"
1462	5/3	1120A / 1155A	"	" "			8.68	131.		.6	22	0	"
1463	5/6	250P / 320P	"	" "			8.60	107.		.6	22	-.01	"
1464	5/10	938A / 1014A	"	" "			8.60	108.		.6	24	0	"
1465	5/13	203P / 242P	"	" "			8.55	98.4		.6	26	0	"
1466	5/16	940A / 1000A	BROWN	" "			8.53	90.6		.6	19	0	"
1467	5/20	1115A / 1147A	MIDDLETON	TWO CHANNELS			8.50	85.1		.6	23	0	FC29
1468	5/24	1115A / 1147A	"	" "			8.46	84.3		.6	20	0	"
1469	5/27	1125A / 1157A	"	" "			8.44	75.1		.6	24	0	FC18
1470	5/31	937A / 1020A	"	" "			8.40	70.7		.6	25	0	FC11
1471	6/3	1115A / 1147A	"	" "			8.38	62.6		.6	25	0	FC18
1472	6/7	1120A / 1154A	"	" "			8.36	62.4		.6	25	0	FC29
1473	6/10	140P / 215P	"	" "			8.33	56.2		.6	24	.01	FC18
1474	6/13	1120A / 1157A	"	" "			8.33	56.4		.6	26	.01	FC29
1475	6/17	1130A / 1150A	BROWN	" "			8.29	51.8		.6	17	0	FC24
1476	6/21	1132A / 1155A	"	" "			8.27	48.3		.6	17	0	"
1477	6/24	1130A / 1150A	"	" "			8.27	51.4		.6	17	0	"
1478	6/28	1130A / 1154A	"	" "			8.25	48.4		.6	17	0	"
1479	7/1	1116A / 1151A	MIDDLETON	" "			8.23	44.6		.6	25	0	FC29
1480	7/8	1118A / 1152A	"	" "			8.20	40.9		.6	24	0	"
1481	7/12	1115A / 1147A	"	" "			8.18	39.0		.6	23	.01	"
1482	7/15	1114A / 1145A	"	" "			8.17	39.1		.6	24	0	"
1483	7/19	317P / 348P	"	" "			8.15	37.6		.6	22	0	"
1484	7/22	1121A / 1150A	"	" "			8.16	36.4		.6	22	0	"
1485	7/26	1121A / 1154A	"	" "			8.15	36.4		.6	24	0	"
1486	7/29	1116A / 1152A	"	" "			8.12	33.4		.6	24	-.01	"
1487	8/2	908A / 943A	"	" "			8.10	32.0		.6	24	0	"
1488	8/5	1114A / 1147A	"	" "			8.09	31.2		.6	23	0	"
1489	8/8	147P / 217P	MIDDLETON	TWO CHANNELS			8.08	28.2		.6	23	0	FC29
1490	8/12	1120A / 1154A	"	" "			8.08	28.8		.6	23	0	"
1491	8/16	1122A / 1153A	"	" "			8.07	28.2		.6	23	0	"
1492	8/19	1122A / 1152A	"	" "			8.05	27.0		.6	23	0	"
1493	8/23	1128A / 1202P	"	" "			8.05	25.3		.6	22	0	"
1494	8/26	108P / 137P	"	" "			8.04	25.1		.6	22	0	"
1495	8/30	1137A / 1158A	"	" "				23.4		.6	15		"
1496	9/3	110P / 135P	"	" "				22.3		.6	14		"
1497	9/6	155P / 212P	"	" "				21.0		EST. & .6	10		"
1498	9/10	350P / 406P	"	" "				21.0		EST. & .6	10		"
1499	9/13	200P / 215P	"	" "				21.2		EST. & .6	10		"
1500	9/16	235P / 255P	"	" "				21.9		.6	14		FC29
1501	9/20	1115A / 1135A	"	15.0	9.89	2.23		22.1		.6	14		"
1502	9/23	1020A / 1038A	"	15.0	9.92	2.18		21.6		.6	12		"
1503	9/27	1145A / 1203P	"	15.0	9.33	2.23		20.8		.6	12		"
1504	9/30	220P / 237P	"	13.5	7.68	2.67		20.5		.6	12		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - EAST FORK

AT near above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1505	10-1	1027A / 1045A	MIDDLETON	23.5	22.6	3.41	6.69	77.0		.6	12	+.06	FC29
1506	10-1	225P / 245P	"	24.5	25.7	3.29	6.86	84.5		.6	13	+.02	"
1507	10-2	315P / 333P	"	21.0	20.8	1.71	6.29	35.6		.6	11	-.02	"
1508	10-4	315P / 1146A	"	17.7	9.87	3.24	5.78	32.0		.6	11	0	"
1509	10-7	117P / 127P	MIDDLETON VAN DER GOOT	17.0	9.11	2.79	5.7	25.4		.6	9	-.01	"
1510	10-11	1000A / 1016A	MIDDLETON	16.0	8.69	2.62	5.73	22.8		.6	10	0	"
1511	10-14	1240P / 1256P	"	16.5	8.94	2.62	5.71	23.4		.6	10	0	"
1512	10-17	1030A / 1046A	"	17.0	9.26	2.72	5.73	25.2		.6	9	0	"
1513	10-21	130P / 146P	"	16.5	8.78	2.57	5.69	22.5		.6	10	0	"
1514	10-24	208P / 218P	MIDDLETON-BLAKELY	15.5	8.42	2.40	5.74	20.2		.6	9	0	"
1515	10-28	1240P / 1255P	BLAKELY	21.5	19.7	1.49	5.77	29.4		.6	8	0	FC35
1516	10-31	1140A / 1152A	"	21.1	18.5	1.46	5.77	27.1		.6	11	0	"
1517	11-4	255P / 313P	MIDDLETON	21.0	17.4	1.34	5.73	23.3		.6	11	0	FC29
1518	11-17	322P / 338P	"	16.0	11.5	1.96	5.73	22.6		.6	10	0	"
1519	11-8	145P / 200P	"	16.0	12.3	2.16	5.77	26.6		.6	10	0	"
1520	11-12	1135A / 1153A	"	25.5	18.4	3.80	6.21	69.9		.6	12	+.01	"
1521	11-12	440P / 500P	STUNDEN	25.5	23.5	3.74	6.49	87.8		.6	13	-.01	FC36
1522	11-12	650P / 710P	STUNDEN-SPANGLER	26.0	21.3	3.90	6.47	83.3		.6	13	-.01	"
1523	11-12	845P / 903P	" "	27.0	22.1	4.03	6.47	89.1		.6	13	+.01	"
1524	11-13	1245A / 105A	" "	26.0	25.4	4.65	6.56	118.		.6	13	+.02	"
1525	11-13	340A / 415A	" "	24.0	20.9	7.77	6.72	162.		.6	5	+.03 -.02	
1526	11-13	640A / 655A	" "	45.0	38.9	3.60	6.74	140.		.6	9	+.04	"
1527	11-13	830A / 850A	" "	45.0	44.6	4.00	6.86	179.		.6	9	+.09	"
1528	11-13	955A / 1015A	STUNDEN-SPANGLER	40.0	42.0	7.42	7.62	312.		.6	8	+.25	FC36
1529	11-13	1120A / 1140A	" "	55.0	55.2	8.75	8.13	484.		.6	9	+.02	"
1530	11-13	1237P / 107P	" "	50.0	64.2	9.00	8.54	579.		.6	8	0	"
1531	11-13	330P / 350P	" "	35.0	42.4	8.23	8.50	349.		.6	8	-.02	"
1532	11-14	700A / 720A	" "	25.0	26.2	5.68	7.97	149.		.6	6	-.01	"
1533	11-14	905A / 940A	" "	30.0	31.1	4.12	7.93	128.		.6	14	+.02	"
1534	11-14	1035A / 1055A	" "	30.0	30.4	4.27	7.94	130.		.6	15	+.04	"
1535	11-14	125P / 145P	" "	30.0	27.1	4.24	7.92	115.		.6	14	+.02	"
1536	11-14	255P / 310P	" "	30.0	28.0	4.03	7.90	113.		.6	14	0	"
1537	11-14	315P / 330P	" "	30.0	29.2	3.73	7.89	109.		.6	14	-.01	"
1538	11-14	500P / 515P	" "	30.0	28.9	3.78	7.89	109.		.6	14	-.01	"
1539	11-15	750A / 810A	" "	29.0	24.4	3.17	7.75	77.2		.6	14	0	"
1540	11-15	1118A / 1139A	MIDDLETON	29.2	22.4	3.49	7.77	78.1		.6	14	-.01	FC29
1541	11-18	1240P / 103P	"	29.3	19.2	3.04	7.66	58.4		.6	14	0	"
1542	11-20	1155A / 1215P	STUNDEN-SPANGLER	65.0	83.8	10.9	9.23	912.		.6	12	0	FC36
1543	11-20	100P / 120P	" "	100.	100.	9.09	9.20	909.		.6	13	0	"
1544	11-20	213P / 236P	" "	100.	122.	9.74	9.25	1190.		.6 SURF	13	-.10	"
1545	11-20	402P / 422P	" "	100.	111.	6.75	9.27	749.		.6 SURF	14	+.02	"
1546	11-20	607P / 622P	" "	100.	89.2	7.05	9.24	628.		.6 SURF	11	+.03	"
1547	11-21	1130A / 1157A	MIDDLETON	66.5	61.8	4.14	8.60	256.		.6	17	0	FC29
1548	11-22	1115A / 1148A	"	59.0	39.1	4.40	8.18	172.		.6	24	0	"
1549	11-23	1038A / 1108A	STUNDEN-SPANGLER	95.0	92.6	6.44	9.15	596.		.6 SURF	15	+.24	FC36
1550	11-23	1158A / 1233P	" "	100.	124.	7.35	9.86	912.		.6 SURF	17	+.32	"
1551	11-23	115P / 150P	" "	115.	151.	7.03	10.10	1060.		.6 SURF	19	+.02 -.04	"
1552	11-23	303P / 338P	STUNDEN-SPANGLER	120.	136.	6.84	9.96	930.		.6 SURF	23	+0.17	FC36
1553	11-23	600P / 630P	" "	120.	116.	6.17	9.70	716.		.6 SURF	20	+0.16	"
1554	11-24	705A / 740A	" "	35.0	47.5	8.25	9.42	392.		.6 SURF	7	-.04	"
1555	11-24	235P / 255P	MIDDLETON-SPANGLER	62.0	64.7	5.40	8.93	349.		.6	16	+.02	FC11
1556	11-25	1150A / 1212P	MIDDLETON	55.0	50.6	5.25	8.52	266.		.6	15	-.02	"
1557	11-29	1105A / 1130A	"	26.5	32.1	4.89	8.12	157.		.6	13	0	FC29
1558	12-2	240P / 310P	"	26.0	30.8	4.19	8.00	129.		.6	15	0	"
1559	12-5	940A / 1002A	"	25.5	29.6	3.99	7.95	118.		.6	13	0	"
1560	12-9	1115A / 1135A	MIDDLETON-SPANGLER	25.5	27.0	3.89	7.90	105.		.6	13	0	"
1561	12-12	1010A / 1032A	MIDDLETON	25.0	25.2	3.64	7.83	91.7		.6	13	0	"
1562	12-16	240P / 303P	MIDDLETON-SPANGLER	25.0	24.6	3.34	7.81	82.2		.6	13	0	"
1563	12-19	1032A / 1053A	" "	24.5	22.6	3.22	7.77	72.7		.6	13	0	"
1564	12-23	920A / 938A	MIDDLETON	24.5	22.4	3.10	7.73	69.4		.6	13	0	FC18
1565	12-25	950A / 1010A	MIDDLETON-SPANGLER	TWO CHANNELS			8.49	278.		.6 EST	13	+.04	"
1566	12-25	750P / 825P	STUNDEN-SPANGLER	115.	146.	7.52	10.04	1100.		.6	15	+.25 -.15	FC36
1567	12-25	1010P / 1050P	" "	120.	152.	7.24	9.33	1100.		.6	18	+.10	"
1568	12-26	1240A / 115A	" "	120.	164.	8.23	10.00	1350.		.6	21	+.20	"
1569	12-26	250A / 325A	" "	120.	178.	9.32	10.24	1660.		.6	14	-.02	"
1570	12-26	925A / 955A	" "	120.	164.	7.57	10.38	1240.		.6	21	-.02	"
1571	12-26	105P / 130P	" "	110.	130.	7.31	9.99	952.		.6	19	-.08	"
1572	12-26	245P / 310P	" "	105.	127.	7.18	9.85	913.		.6	14	-.07	"
1573	12-27	805A / 845A	" "	TWO CHANNELS			9.58	771.		.6	16	0	"
1574	12-27	1050A / 1120A	" "	" "			9.65	882.		.6	16	0	"
1575	12-27	115P / 145P	" "	" "			9.56	706.		.6	16	+.01	"
1576	12-28	1002A / 1030A	MIDDLETON-SPANGLER	TWO CHANNELS			9.22	528.		.6	17	-.01	FC18
1577	12-31	250P / 325P	MIDDLETON	" "			9.80	302.		.6	21	0	FC11
1578	1-2	1115A / 1138A	MIDDLETON-SPANGLER	" "			9.62	242.		.6	18	+.01	FC18
1579	1-7	1120A / 1153A	MIDDLETON	" "			9.50	174.		.6	25	0	"
1580	1-9	410P / 437P	MIDDLETON-SPANGLER	" "			9.47	156.		.6	23	0	"
1581	1-10	925A / 957A	MIDDLETON	" "			9.46	150.		.6	24	0	"
1582	1-13	215P / 247P	"	" "			9.43	134.		.6	24	0	FC29
1583	1-16	1015A / 1047A	"	" "			9.38	117.		.6	23	0	"
1584	1-20	125P / 156P	"	" "			9.30	108.		.6	22	0	"
1585	1-23	150P / 222P	"	" "			9.34	99.2		.6	21	0	"
1586	1-27	200P / 228P	"	" "			9.31	91.0		.6	22	0	"
1587	1-28	143P / 215P	"	" "			9.53	153.		.6	22	0	"
1588	1-30	147P / 210P	MIDDLETON-"ELLEN	" "			9.29	88.5		.6	20	0	"
1589	2-3	247P / 316P	MIDDLETON	" "			9.26	74.7		.6	21	0	"
1590	2-6	1005A / 1037A	"	" "			9.24	73.7		.6	21	0	"
1591	2-10	130P / 155P	"	" "			9.23	78.0		.6	21	0	"
1592	2-13	304P / 337P	"	" "			9.20	68.2		.6	21	0	"
1593	2-17	140P / 208P	"	" "			9.16	65.4		.6	20	-.01	"
1594	2-20	1140A / 1210P	"	" "			9.23	66.7		.6	21	0	"
1595	2-24	238P / 312P	"	" "			9.20	59.7		.6	21	0	"
1596	2-27	1027A / 1056A	"	" "			9.19	61.6		.6	21	0	"
1597	3-3	205P / 234P	"	" "			9.16	55.9		.6	21	0	"
1598	3-6	1120A / 1146A	"	" "			9.17	55.7		.6	19	0	"
1599	3-10	115P / 150P	"	" "			9.15	54.1		.6	20	0	"
1600	3-13	1145A / 1220P	MIDDLETON	TWO CHANNELS			9.15	52.2		.6	19	0	FC29
1601	3-17	247P / 316P	"	" "			9.18	50.3		.6	20	0	"
1602	3-20	1152A / 1225P	"	" "			9.21	54.2		.6	21	0	"
1603	3-21	128P / 200P	"	" "			9.24	71.0		.6	22	0	"
1604	3-24	142P / 212P	"	" "			9.21	55.5		.6	21	-.01	"
1605	3-27	225P / 253P	"	" "			9.19	53.2		.6	21	0	"
1606	3-28	147P / 215P	"	" "			9.28	71.0		.6	21	0	"
1607	3-31	152P / 223P	"	" "			9.22	59.6		.6	20	0	"
1608	4-3	1150A / 1222P	"	" "			9.22	58.8		.6	20	0	"
1609	4-7	228P / 300P	"	" "			9.17	54.3		.6	20	0	"
1610	4-10	1125A / 1158A	"	" "			9.20	55.2		.6	20	0	"
1611	4-14	328P / 356P	MIDDLETON-MAZE	" "			9.17	53.2		.6	20	0	"
1612	4-17	1050A / 1118A	MIDDLETON	" "			9.21	57.2		.6	19	0	"
1613	4-21	100P / 132P	MIDDLETON	" "			9.22	57.9		.6	20	0	"
1614	4-24	1053A / 1122A	"	" "			9.21	52.8		.6	20	0	"
1615	4-28	321P / 348P	"	" "			9.19	48.6		.6	18	0	"
1616	5-1	140P / 207P	"	" "			9.17	47.9		.6	19	0	"
1617	5-5	418P / 443P	"	" "			9.16	44.4		.6	18	-.01	"
1618	5-8	1110A / 1142A	"	" "			9.18	45.0		.6	22	0	"
1619	5-12	253P / 325P	"	" "			9.15	37.7		.6	19	+.01	"
1620	5-15	1034A / 1105A	"	" "			9.15	43.4		.6	20	0	"
1621	5-19	1120A / 1148A	"	" "			9.19	37.1		.6	18	+.01	"
1622	5-22	1104A / 1138A	"	" "			9.13	37.8		.6	18	0	"
1623	5-26	120P / 152P	"	" "			9.11	35.1		.6	19	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - EAST FORK

AT OR NEAR above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1624	5-29	1057A / 1128A	MIDDLETON	TWO CHANNELS			9.12	36.4		.6	18	0	FC29
1625	6-2	230P / 257P	"	"	"		9.11	33.7		.6	17	0	"
1626	6-6	1125A / 1156A	"	"	"		9.12	33.8		.6	20	0	"
1627	6-9	1053A / 1123A	"	"	"		9.12	32.0		.6	20	0	"
1628	6-12	1025A / 1056A	"	"	"		9.09	30.3		.6	21	0	"
1629	6-16	1027A / 1058A	"	"	"		9.09	28.8		.6	21	0	"
1630	6-20	1030A / 1055A	"	"	"		9.08	28.1		.6	16	0	"
1631	6-23	1034A / 1100A	"	"	"		9.08	26.5		.6	17	0	"
1632	6-27	1202P / 1224P	MIDDLETON-LANG	"	"		9.07	24.4		.6	18	0	"
1633	6-30	236P / 307P	MIDDLETON	"	"		9.05	22.5		.6	20	0	"
1634	7-3	112P / 143P	LANG-MIDDLETON	"	"		9.04	21.8		.6	21	0	"
1635	7-7	120P / 157P	LANG	"	"		9.00	21.0		.6	21	-.01	"
1636	7-10	222P / 250P	"	"	"		9.02	20.5		.6	21	0	"
1637	7-14	350P / 418P	MIDDLETON	"	"		9.02	18.6		.6	21	0	"
1638	7-17	114P / 142P	"	"	"		9.01	19.5		.6	20	0	"
1639	7-21	330P / 358P	"	"	"		9.00	17.3		.6	19	0	"
1640	7-24	140P / 205P	"	"	"		9.01	18.1		.6	18	0	"
1641	7-28	140P / 208P	"	"	"		9.00	16.8		.6	16	0	"
1642	7-31	200P / 217P	MIDDLETON VAN DER GOOT	"	"		9.00	16.4		.6	16	0	"
1643	8-4	230P / 253P	MIDDLETON	"	"		9.00	16.2		.6	17	0	"
1644	8-7	310P / 337P	"	"	"		8.99	15.0		.6	15	0	"
1645	8-11	312P / 337P	"	"	"		9.00	17.0		.6	16	0	"
1646	8-14	1052A / 1113A	"	"	"		9.35	17.7		.6	15	0	"
1647	8-18	215P / 240P	LANG	"	"		9.29	15.8		.6	17	0	"
1648	8-21	153P / 220P	LANG	TWO CHANNELS			9.31	17.1		.6	14	-.01	FC29
1649	8-26	140P / 210P	"	"	"		9.29	15.2		.6	19	0	"
1650	8-28	155P / 220P	"	"	"		9.29	14.7		.6	15	0	"
1651	9-2	305P / 327P	MIDDLETON	"	"		9.24	12.9		.6	15	0	"
1652	9-4	207P / 233P	"	"	"		9.27	13.5		.6	14	0	"
1653	9-8	318P / 340P	"	"	"		9.28	13.8		.6	14	0	"
1654	9-11	135P / 156P	"	"	"		9.27	14.0		.6	13	0	"
1655	9-15	250P / 311P	"	"	"		9.26	12.8		.6	13	0	"
1656	9-18	125P / 147P	"	"	"		9.32	16.1		.6	14	0	"
1657	9-22	305P / 326P	"	"	"		9.27	13.5		.6	14	0	"
1658	9-25	925A / 946A	"	"	"		9.28	14.9		.6	14	0	"
1659	9-29	245P / 306P	"	"	"		9.24	12.4		.6	14	0	"

F. C. Dist. Form 53 4-46

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, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	29	22	114	51	46	286	135	65	42	29	23
2	21	27	21	112	50	45	241	132	64	42	29	23
3	21	24	21	110	170	45	235	126	64	42	29	22
4	20	24	21	108	70	44	228	124	62	42	29	22
5	20	24	21	103	64	44	214	119	61	41	29	21
6	26	27	21	98	58	43	212	115	59	41	29	21
7	31	27	21	93	58	42	206	113	59	40	29	21
8	26	24	21	89	58	41	187	111	59	40	29	21
9	23	24	20	85	58	41	184	109	58	39	29	21
10	24	24	20	81	58	40	184	109	56	39	28	21
11	24	23	20	78	58	39	189	104	56	38	28	21
12	24	25	20	74	57	39	194	100	55	38	28	21
13	24	24	20	71	56	50	194	98	53	38	28	21
14	24	23	20	67	56	48	191	98	52	38	28	21
15	24	23	20	64	55	44	194	96	51	38	27	22
16	24	23	19	63	54	42	204	92	51	38	27	22
17	24	23	19	62	54	39	206	90	50	36	26	22
18	21	22	19	61	53	39	204	88	48	40	25	22
19	21	22	19	60	52	56	212	85	46	39	25	22
20	22	22	19	59	52	53	206	85	46	39	25	22
21	23	21	553	58	51	46	191	86	46	36	25	22
22	22	20	1520	58	50	46	180	84	46	36	25	22
23	22	20	1150	58	49	46	173	80	47	36	25	22
24	21	20	478	57	49	50	168	78	48	36	25	22
25	21	20	268	57	48	50	164	77	48	35	25	22
26	21	20	226	56	48	50	164	75	47	34	25	21
27	21	20	190	55	47	48	159	73	47	34	25	21
28	21	20	161	54	46	53	152	70	47	33	24	21
29	26	22	140	53		64	148	68	46	32	24	21
30	50	22	125	52		773	143	67	43	31	23	27
31	32		118	52		462		65		30	23	
	745	689	5333	2262	1630	2568	5813	2952	1500	1163	825	653
MEAN	24.0	23.0	172.0	73.0	58.2	82.8	193.8	95.2	52.7	37.5	26.6	21.8
ACRE-FEET	1480.	1370.	10,580.	4,490.	3,230.	5,090.	11,530.	5,860.	3,130.	2,310.	1,640.	1,300.

Remarks:

YEAR OR PERIOD MEAN 71.8
ACRE-FEET 52,000.

F. C. Dist. Form 82 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

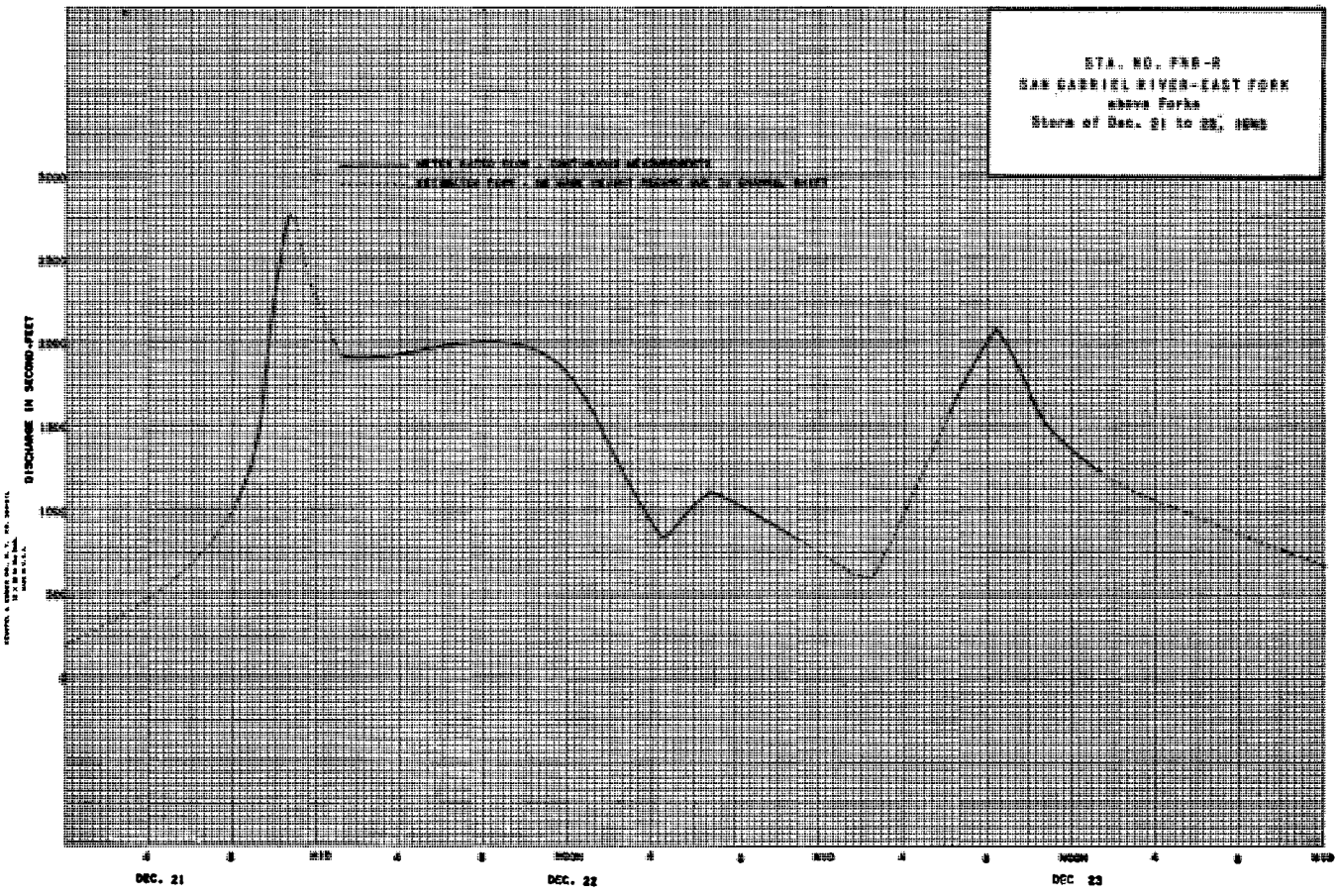
Sta. No. P 4 B-R

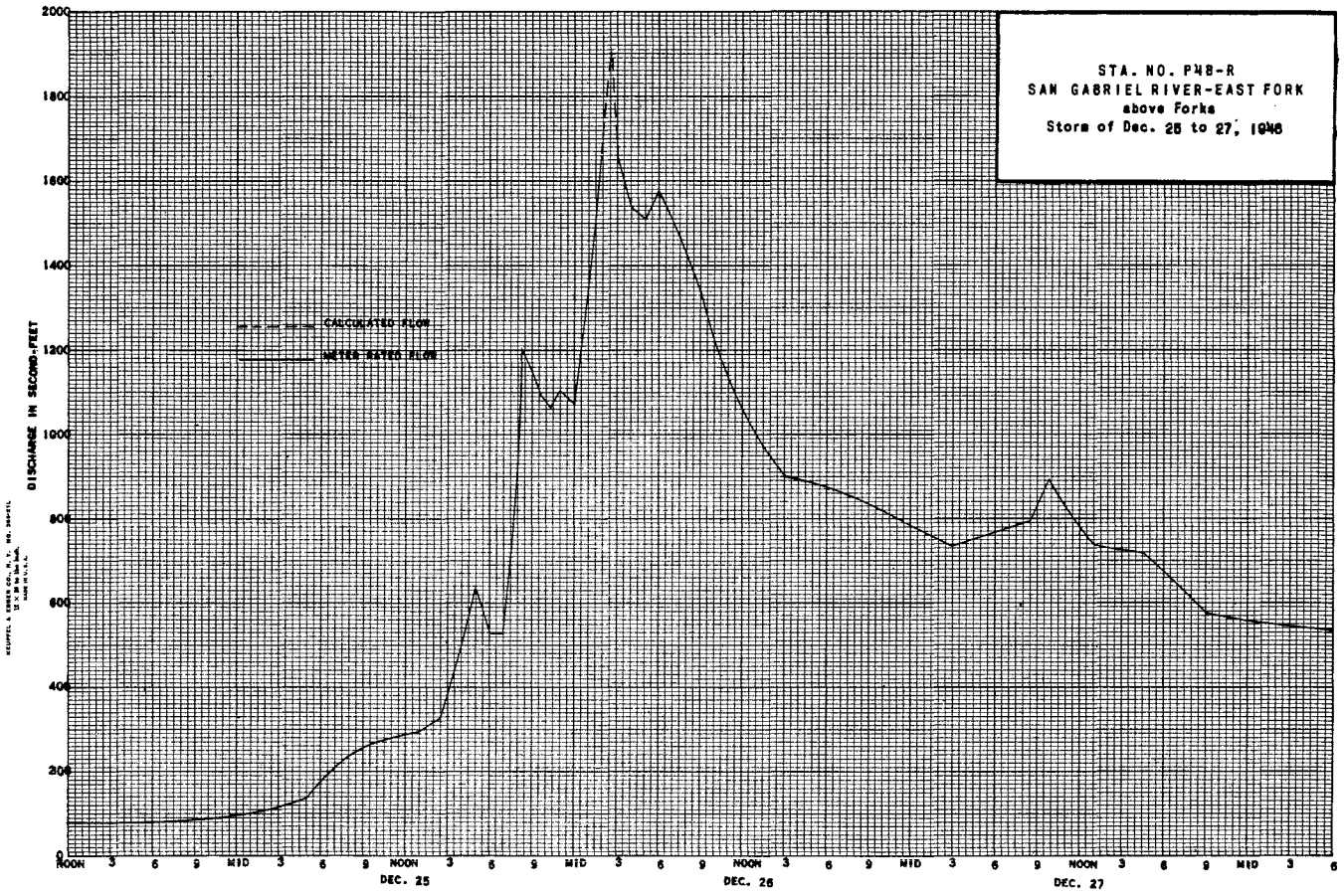
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	26	134	250	83	58	58	47	35	23	18	13
2	44	25	129	240	80	58	60	47	35	23	18	13
3	b 34	24	124	225	74	58	60	47	37	20	18	14
4	b 32	24	119	210	b 74	60	58	47	32	20	15	14
5	29	24	117	196	b 74	58	50	47	30	20	15	14
6	28	23	134	187	74	55	53	47	32	20	15	14
7	26	23	124	178	71	55	50	47	30	b 20	15	14
8	25	27	115	174	74	55	50	47	27	b 18	18	14
9	24	26	106	161	80	53	53	45	30	18	20	14
10	23	26	98	150	77	50	55	42	30	18	20	14
11	22	31	94	150	69	50	55	42	27	18	18	14
12	22	73	89	146	69	50	50	42	27	18	18	14
13	23	261	89	135	69	50	47	42	25	20	b 18	13
14	24	122	89	132	69	50	53	42	20	20	17	13
15	25	79	87	125	66	50	53	40	25	20	17	13
16	27	64	83	118	63	50	53	35	27	18	17	13
17	24	61	81	118	66	50	58	35	27	18	17	15
18	24	59	75	118	b 69	55	a 58	35	25	18	17	17
19	24	59	74	115	b 66	55	a 58	35	25	18	17	16
20	23	504	72	109	66	58	a 53	35	27	18	17	14
21	22	314	72	b 106	63	71	58	35	25	18	17	14
22	22	171	72	b 103	63	69	58	35	25	18	17	14
23	22	516	72	100	b 60	63	55	35	25	18	b 17	14
24	21	371	81	100	60	58	55	32	23	18	b 16	14
25	20	269	433	97	60	55	53	b 35	23	18	b 16	14
26	19	204	1160	94	60	50	55	35	23	18	b 16	14
27	28	174	723	91	60	53	53	40	23	15	b 16	13
28	29	166	b 528	113	60	71	50	37	25	15	b 15	13
29	29	158	b 452	91		69	50	37	25	15	15	13
30	28	144	b 376	88		66	47	35	23	15	14	13
31	26		301	88		60		35		15	14	
	840	4048	6303	4308	1919	1763	1619	1237	813	569	518	416
MEAN	27.1	135	203	139	68.5	56.9	54.0	39.9	27.1	18.4	16.7	13.9
ACRE-FEET	1,670	8,030	12,500	8,540	3,810	3,500	3,210	2,450	1,610	1,130	1,030	825

Remarks:

YEAR OR PERIOD MEAN 66.6
ACRE-FEET 48,295





STATION F250-R
SAN GABRIEL-AZUSA CONDUIT at weir below San Gabriel Dam #1

LOCATION: WATER-STAGE RECORDER, LAT. 34°12'15", LONG. 117°51'16", 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 #1; APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION F220-R.

CHANNEL AND CONTROL: CHANNEL - CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL. A SECONDARY BOX WITH A TAINTOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL - 25-FOOT SHARP CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250-R GIVES A RECORD OF THE HEAD ONTHE 25-FOOT WEIR; STATION F220-R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT BELOW THE TAINTOR GATE.

RECORDER: INSTALLED FEBRUARY 14, 1935 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1944 TO SEPTEMBER 30, 1947.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM #1 IS PARTIALLY REGULATED BY SAN GABRIEL DAM #2, AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM #1.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY VALVE RELEASE. CAPACITY OF 25-FOOT WEIR IS APPROXIMATELY 165 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 #1 THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R).

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 250-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT at weir below San Gabriel Dam No. 1, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	37	88	68	65	0.5	90	90	90	90	90
2	0	0	37	88	68	65	0.5	90	90	90	90	90
3	0	0	37	88	68	66	0.5	90	90	90	90	90
4	0	11	37	88	68	65	0.5	90	90	90	90	90
5	0	99	37	88	122	65	0.5	90	90	90	90	90
6	0	93	37	87	139	65	0.5	90	90	90	90	90
7	0	0.5	37	87	139	65	0.5	91	90	90	90	90
8	0	0.5	37	87	114	65	33	90	90	90	90	90
9	0	0.2	37	87	101	65	65	90	90	90	90	90
10	0	0.2	37	87	101	65	51	90	90	90	90	90
11	0	0.2	37	86	101	65	15	90	90	90	90	90
12	0	0.2	37	85	101	65	0.2	90	90	90	90	90
13	0	15	37	85	97	65	0	90	90	90	90	90
14	0	40	38	85	90	65	0	90	90	90	90	90
15	0	39	40	85	90	65	0	90	90	90	90	90
16	0	39	40	85	90	65	0	90	90	90	90	89
17	0	39	40	85	90	65	0	90	90	90	90	83
18	0	39	40	85	90	65	0	90	90	90	90	71
19	0	39	40	88	90	65	0	90	90	90	90	71
20	0	38	40	90	74	36	47	90	90	90	90	71
21	0	37	73	89	66	40	70	90	90	90	90	71
22	0	37	96	87	65	65	70	90	90	90	90	71
23	0	37	88	87	65	65	70	90	90	90	90	70
24	0	37	90	87	65	65	82	90	90	90	90	70
25	0	37	90	87	65	59	90	90	90	90	90	70
26	0	37	90	87	67	57	90	90	90	90	90	70
27	0	37	88	87	67	60	91	90	90	90	90	71
28	0	37	90	87	66	60	92	90	90	90	90	71
29	0	37	90	86		60	91	90	90	90	90	71
30	0	37	89	86		6.8	90	90	90	90	90	71
31	0		88	88		0.5		90		90	90	
	0	862.8	1751	2692	2507	18103	1050.7	2791	2700	2790	2790	2441
MEAN	0	28.8	55.8	86.8	89.5	58.4	35.0	90.0	90.0	90.0	90.0	81.4
ACRE-FEET	0	1,710	3,430.	5,340.	4,970.	3,590.	2,080.	5,540.	5,360.	5,530.	5,530.	4,840.

Remarks:

YEAR OR PERIOD MEAN 66.3
ACRE-FEET 47,930.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 250-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT at Weir below San Gabriel Dam #1, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	70	89	119	90	0	60	61	60	59	60	60
2	70	71	89	137	90	0	60	61	60	59	60	60
3	71	71	88	137	90	0	60	61	60	59	60	60
4	71	71	88	137	90	0	61	61	60	59	60	60
5	71	71	88	138	90	0	61	61	60	59	60	60
6	71	71	89	136	91	0	61	61	60	59	60	60
7	71	71	90	135	91	0	61	61	60	59	60	60
8	71	71	90	135	92	0	61	61	60	59	60	60
9	71	71	90	135	108	0	61	61	60	59	60	60
10	70	71	90	135	136	0	61	61	60	59	60	60
11	70	71	90	135	136	0	61	61	60	59	60	60
12	70	82	90	131	136	0	61	61	59	59	60	60
13	70	91	90	133	136	0	61	61	59	59	60	62
14	70	90	90	136	136	0	61	61	59	59	60	61
15	70	100	90	137	136	0	61	61	59	59	60	60
16	70	106	90	136	136	0	61	61	59	59	60	60
17	70	106	90	134	136	53	61	61	59	59	60	61
18	70	106	90	135	136	80	61	61	59	59	60	61
19	70	106	90	135	106	80	61	61	59	59	61	61
20	70	106	121	135	91	80	61	61	59	59	61	61
21	70	106	137	136	91	74	61	61	59	59	60	61
22	70	106	137	136	91	63	61	61	59	59	60	61
23	71	108	125	136	90	63	61	61	59	60	60	61
24	71	106	122	136	30	63	61	61	59	60	60	61
25	71	107	136	136	0	63	61	61	59	60	60	61
26	71	108	137	136	0	62	61	61	59	60	61	61
27	71	96	137	136	0	60	61	60	59	60	61	61
28	71	90	99	136	0	60	61	60	59	60	61	61
29	71	90	90	136		60	61	60	59	60	61	61
30	71	90	90	136		60	61	60	59	60	60	60
31	71		92	120		60		60		60	60	
	2186	2680	3124	4171	2555	981	1827	1886	1781	1838	1866	
MEAN	70.5	89.3	101	135	91.2	31.6	60.9	60.8	59.4	59.3	60.2	60.5
ACRE-FEET	4,340	5,320	6,200	8,270	5,070	1,950	3,620	3,740	3,530	3,650	3,700	3,600

Remarks:

YEAR OR PERIOD MEAN 73.2
ACRE-FEET 52,990

STATION F220-R
SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 117°51'25", ON THE WEST SIDE OF OPENING IN CONCRETE CONDUIT CONNECTING TUNNELS 4-A AND 4-B OF THE AZUSA CONDUIT WHICH DIVERTS WATER FROM THE SAN GABRIEL RIVER. THE STATION IS ABOUT 0.8 MILE BELOW SAN GABRIEL DAM NO. 1, AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25 FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R. FLOW WHICH REACHES STATION F220-R MAY BE BY-PASSED AROUND THE 25 FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: INSTALLED FEBRUARY 26, 1933 OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1947. (SEE 'RECORDER' (SEE 'REMARKS')

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM NO. 1. APPROXIMATE CAPACITY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

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

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM. PUBLISHED HEREWITH ARE RECORDS OF DIVERSION TO THE AZUSA CONDUIT FROM MORRIS DAM FOR 1945-46. NO DIVERSION WAS MADE DURING 1946-47. THESE RECORDS TOGETHER WITH STATION 220-R COMPLETE THE RECORDS OF ANNUAL DIVERSION THROUGH THE CONDUIT. RECORDS OF DIVERSION FOR 1942-43, 1943-44, 1944-45 ARE ALSO PUBLISHED HEREWITH DUE TO THE OMISSION OF THESE RECORDS FOR THOSE YEARS.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT ~~NEAR~~ Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
367	11/14	200P / 223P	MIDDLETON	4.6	10.5	3.84	2.30	40.3		.2 / .85	10	0	FC29
368	11/24	1100A / 1122A	"	4.6	9.59	3.85	2.11	36.9		"	10	0	"
369	11/30	133P / 157P	"	4.6	9.86	3.81	2.16	37.6		"	10	0	"
370	12/8	1028A / 1050A	"	4.6	9.77	3.78	2.14	37.0		"	10	0	"
371	12/15	1103A / 1124A	"	4.6	10.4	3.83	2.28	39.8		"	10	0	"
372	12/28	147P / 212P	"	4.6	19.8	4.34	4.32	85.9		"	10	0	"
373	1/5	147P / 210P	"	4.6	19.6	4.37	4.28	85.6		"	10	0	"
374	1/10	203P / 226P	"	4.6	19.6	4.35	4.28	85.2		"	10	0	"
375	1/18	1005A / 1027A	"	4.6	19.4	4.39	4.24	85.2		"	10	0	"
376	1/23	936A / 1000A	"	4.6	21.3	4.11	4.34	87.5		"	10	0	"
377	1/26	1053A / 1114A	"	4.6	19.9	4.39	4.34	87.4		"	10	0	"
378	1/31	1041A / 1102A	MIDDLETON HOOKER	4.6	19.9	4.45	4.35	88.5		"	10	0	"
379	2/6	1038A / 1102A	MIDDLETON	4.6	20.2	4.40	4.40	88.9		"	10	0	"
380	2/9	1030A / 1038A	"	4.6	0.92	0.22	0.23	0.2		FLOAT	3	0	
381	2/23	1037A / 1044A	"	4.6	0.92	0.04	0.22	0.04		"	4	0	
382	4/23	937A / 956A	"	4.6	16.1	4.39	3.52	70.7		.2 / .85	10	0	FC29
383	4/27	1004A / 1026A	"	4.6	20.9	4.36	4.56	91.5		"	10	0	"
384	5/3	902A / 922A	"	4.6	20.8	4.35	4.55	90.5		"	10	0	"
385	5/11	848A / 908A	"	4.6	20.8	4.35	4.53	90.4		"	10	0	"
386	5/17	857A / 917A	"	4.6	20.8	4.33	4.54	90.0		"	10	0	"
387	5/25	915A / 938A	"	4.6	20.8	4.43	4.54	92.2		"	10	0	"
388	6/5	150P / 208P	"	4.6	20.8	4.33	4.55	90.0		"	10	0	"
389	6/12	935A / 955A	BROWN MIDDLETON	4.6	20.9	4.32	4.55	90.1		"	10	0	FC18
390	6/20	935A / 958A	BROWN	4.6	21.0	4.28	4.57	89.8		.2 / .85	10	0	FC24
391	6/27	950A / 1015A	"	4.6	21.0	4.30	4.57	90.2		"	10	0	"
392	7/5	640A / 702A	MIDDLETON	4.6	21.0	4.29	4.58	90.1		"	10	0	FC29
393	7/12	838A / 900A	"	4.6	20.9	4.32	4.57	90.2		"	10	0	"
394	7/19	621A / 642A	"	4.6	20.9	4.32	4.57	90.2		"	10	0	"
395	7/26	900A / 921A	"	4.6	20.9	4.31	4.56	90.0		"	10	0	"
396	8/2	633A / 653A	"	4.6	21.0	4.29	4.58	90.0		"	10	0	"
397	8/9	635A / 658A	"	4.6	21.0	4.28	4.58	89.9		"	10	0	"
398	8/16	910A / 932A	"	4.6	21.2	4.25	4.62	90.2		"	10	0	"
399	8/23	848A / 910A	"	4.6	21.1	4.27	4.61	90.1		"	10	0	"
400	8/30	844A / 903A	"	4.6	21.2	4.26	4.63	90.3		"	10	0	"
401	9/6	1052A / 1115A	"	4.6	21.6	4.17	4.72	90.2		"	10	0	"
402	9/13	1025A / 1048A	"	4.6	21.7	4.17	4.74	90.5		"	10	0	"
403	9/18	118P / 138P	"	4.6	16.7	4.24	3.64	70.8		"	10	0	"
404	9/27	237P / 255P	"	4.6	16.6	4.26	3.63	70.7		"	10	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT

AT ~~NEAR~~ Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
405	10-4	215P / 237P	MIDDLETON	4.6	16.5	4.30	3.60	70.9		.2 / .87	10	0	FC29
406	10-11	235P / 256P	"	4.6	16.3	4.32	3.57	70.4		.2 / .87	10	0	"
407	10-17	120P / 140P	"	4.6	16.5	4.28	3.60	70.6		.2 / .87	10	0	"
408	10-24	1034A / 1052A	BLAKELY-MIDDLETON	4.6	16.6	4.29	3.62	71.2		.2 / .87	10	0	"
409	10-31	100P / 122P	BLAKELY	4.6	16.6	4.27	3.62	70.9		.2 / .87	10	0	FC35
410	11-7	947A / 1006A	MIDDLETON	4.6	16.5	4.31	3.61	71.1		.2 / .87	10	0	FC29
411	11-15	338P / 358P	"	4.6	21.5	4.26	4.68	91.6		.2 / .87	10	0	"
412	11-21	250P / 312P	"	4.6	20.2	4.37	4.40	88.2		.2 / .87	10	0	"
413	11-29	300P / 321P	"	4.6	20.1	4.29	4.38	86.3		.2 / .87	10	0	"
414	12-6	122P / 142P	"	4.6	20.3	4.33	4.43	88.0		.2 / .87	10	0	"
415	12-12	235P / 255P	"	4.6	22.0	4.04	4.45	88.8		.2 / .9	10	0	"
416	12-19	153P / 212P	"	4.6	20.3	4.41	4.44	89.6		.2 / .85	10	0	"
417	12-19	214P / 235P	"	4.6	20.3	4.35	4.44	88.4		.25 / .25	10	0	FC18
418	1-2	253P / 315P	MIDDLETON-HOOKER	4.6	19.7	4.41	4.30	86.8		.2 / .87	10	0	"
419	1-10	154P / 216P	MIDDLETON	4.6	19.6	4.50	4.29	88.4		.2 / .87	10	0	"
420	1-10	218P / 240P	"	4.6	19.6	4.43	4.29	86.9		.2 / .87	10	0	FC29
421	1-17	1056A / 1118A	"	4.6	19.8	4.48	4.33	88.6		.2 / .87	10	0	FC18
422	1-23	925A / 945A	"	4.6	20.3	4.46	4.42	90.6		.2 / .83	10	0	"
423	1-23	955A / 1017A	"	4.6	20.3	4.43	4.42	90.0		.2 / .83	10	0	FC29
424	1-30	325P / 347P	MIDDLETON-MELLEN	4.6	20.8	4.46	4.55	92.7		.2 / .83	10	0	FC18
425	2-4	1055A / 1116A	MIDDLETON	4.6	20.2	4.45	4.40	89.8		.2 / .83	10	0	"
426	2-6	255P / 313P	"	4.6	20.3	4.37	4.44	88.7		.2 / .87	10	0	"
427	2-14	1025A / 1047A	"	4.6	21.8	4.21	4.75	91.8		.2 / .87	10	0	"
428	2-20	250P / 305P	"	4.6	21.8	4.18	4.76	91.1		.2 / .87	10	0	"
429	2-25	253P / 305P	"	4.6	1.53	0.65	0.35	1.0		.6	10	0	FC29
430	3-6	355P / 400P	"	4.6	1.19	0.25	0.27	0.30	SURF	5	0		"
431	3-17	905A / 910A	"	4.6	0.94	0.08	0.22	0.08	FLOAT	4	0		
432	3-27	905A / 923A	"	4.6	14.2	4.29	3.11	60.9		.2 / .83	10	0	FC29
433	3-27	923A / 940A	"	4.6	14.2	4.26	3.11	60.5		.2 / .87	10	0	"
434	4-4	1034A / 1055A	"	4.6	14.3	4.24	3.12	60.7		.2 / .87	10	0	"
435	4-11	905A / 926A	"	4.6	14.3	4.25	3.13	60.8		.2 / .87	10	0	"
436	4-18	848A / 910A	"	4.6	14.5	4.20	3.16	60.9		.2 / .87	10	0	"
437	4-25	916A / 935A	"	4.6	14.4	4.25	3.15	61.2		.2 / .87	10	0	"
438	5-2	918A / 938A	"	4.6	14.5	4.21	3.16	61.1		.2 / .87	10	0	"
439	5-9	1130A / 1150A	"	4.6	14.5	4.21	3.18	61.0		.2 / .87	10	0	"
440	5-16	904A / 925A	"	4.6	14.6	4.18	3.18	61.1		.2 / .87	10	0	"
441	5-23	1204P / 1225P	"	4.6	14.5	4.23	3.18	61.3		.2 / .87	10	0	"
442	5-27	923A / 944A	"	4.6	14.3	4.19	3.13	59.9		.2 / .87	10	0	"
443	6-5	1054A / 1116A	"	4.6	14.4	4.17	3.15	60.1		.2 / .87	10	0	"
444	6-13	908A / 930A	"	4.6	14.1	4.17	3.09	58.8		.2 / .87	10	0	"
445	6-19	1035A / 1057A	"	4.6	14.1	4.18	3.09	59.0		.2 / .87	10	0	"
446	6-27	855A / 917A	MIDDLETON - LANG	4.6	14.2	4.15	3.10	59.0		.2 / .87	10	0	"
447	7-3	240P / 302P	LANG - MIDDLETON	4.6	14.1	4.23	3.09	59.6		.2 / .83	10	0	"
448	7-3	305P / 325P	" "	4.6	14.1	4.20	3.09	59.2		.2 / .85	10	0	"
449	7-8	1056A / 1124A	LANG	4.6	14.1	4.21	3.09	59.4		.2 / .85	10	0	"
450	7-11	948A / 1015A	"	4.6	14.1	4.22	3.09	59.5		.2 / .85	10	0	"
451	7-18	923A / 944A	MIDDLETON	4.6	14.1	4.16	3.08	58.6		.2 / .87	10	0	"
452	7-22	316P / 336P	"	4.6	14.6	4.12	3.19	60.2		.2 / .87	10	0	"
453	7-25	1050A / 1112A	"	4.6	14.6	4.13	3.18	60.3		.2 / .87	10	0	"
454	8-1	1000A / 1022A	"	4.6	14.5	4.16	3.17	60.3		.2 / .87	10	0	"
455	8-8	955A / 1015A	"	4.6	14.5	4.14	3.16	60.0		.2 / .87	10	0	"
456	8-15	628A / 650A	"	4.6	14.6	4.16	3.20	60.7		.2 / .87	10	0	"
457	8-22	950A / 1020A	LANG	4.6	14.6	4.16	3.18	60.6		.2 / .87	10	0	"
458	8-29	1000A / 1020A	"	4.6	14.6	4.18	3.20	61.0		.2 / .87	10	0	"
459	9-5	855A / 914A	MIDDLETON	4.6	14.4	4.17	3.15	60.0		.2 / .87	10	0	"
460	9-12	924A / 945A	"	4.6	14.4	4.13	3.14	59.5		.2 / .87	10	0	"
461	9-16	930A / 950A	"	4.6	14.8	4.22	3.24	62.4		.2 / .87	10	0	"
462	9-19	925A / 945A	"	4.6	14.7	4.14	3.22	60.8		.2 / .87	10	0	"
463	9-26	1120A / 1142A	"	4.6	14.6	4.15	3.19	60.6		.2 / .87	10	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	38	67	69	+	+	90	90	90	90	90
2	+	+	38	67	69	+	+	90	90	90	90	90
3	+	+	38	65	69	+	+	90	90	90	90	90
4	+	+	38	66	90	+	+	90	90	90	90	90
5	+	+	38	66	69	+	+	90	90	90	90	90
6	+	+	38	66	69	+	+	90	90	90	90	90
7	+	+	37	66	69	+	+	90	90	90	90	90
8	+	+	37	66	32	+	+	90	90	90	90	90
9	+	+	37	65	02	+	+	90	90	90	90	90
10	+	+	37	65	02	+	+	90	90	90	90	90
11	+	+	37	65	02	+	+	90	90	90	90	90
12	+	+	37	65	02	+	+	90	90	90	90	90
13	+	14	37	65	02	+	+	90	90	90	90	90
14	+	40	38	65	01	+	+	90	90	90	90	90
15	+	39	40	65	01	+	+	90	90	90	90	90
16	+	39	40	65	01	06	+	90	90	90	90	89
17	+	39	40	65	01	+	+	90	90	90	90	83
18	+	40	40	65	01	+	+	90	90	90	90	71
19	+	40	40	67	+	+	+	90	90	90	90	71
20	+	39	40	70	+	+	47	90	90	90	90	71
21	+	37	66	70	+	+	71	90	90	90	90	70
22	+	37	79	67	+	+	72	90	90	90	90	70
23	+	37	67	67	+	+	71	90	90	90	90	69
24	+	37	86	67	+	+	83	90	90	90	90	68
25	+	37	86	67	+	+	91	90	90	90	90	67
26	+	37	86	67	+	+	92	90	90	90	90	69
27	+	37	86	67	+	+	92	90	90	90	90	70
28	+	37	86	67	+	+	92	90	90	90	90	70
29	+	37	87	67		+	91	90	90	90	90	70
30	+	38	87	68		+	90	90	90	90	90	70
31	+		87	69		+		90		90	90	
	*	661	1688	2679	657.5	0.6	892	2790	2700	2790	2790	2428
MEAN	+	22.0	54.5	87.4	2.35	0.02	29.7	90.0	90.0	90.0	90.0	80.9
ACRE-FEET	+	1,310	3,350.	5,310.	1,300.	1.2	1,770.	5,530.	5,360.	5,530	5,530.	4,820.

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

YEAR OR PERIOD MEAN 55.0
ACRE-FEET 39,820.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 220-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	68	88	83	90	03	61	61	60	59	60	60
2	70	70	88	87	90	03	61	61	60	59	60	60
3	71	69	88	88	90	03	61	61	60	59	60	60
4	70	70	88	88	90	03	61	61	60	59	60	60
5	70	70	88	88	88	03	61	61	60	59	61	60
6	70	71	88	88	88	03	61	61	60	59	61	60
7	70	71	88	88	88	03	61	61	60	59	61	60
8	70	71	89	88	88	03	61	61	60	59	60	60
9	70	72	89	88	89	03	61	61	60	59	60	59
10	70	72	89	88	92	03	61	61	60	59	60	59
11	70	72	89	88	92	03	61	61	60	59	61	59
12	70	84	89	87	92	03	61	61	59	59	62	60
13	70	91	89	87	92	03	61	61	59	59	61	63
14	70	91	88	88	92	03	61	61	59	59	61	61
15	70	91	88	89	92	02	61	61	59	59	61	60
16	70	91	88	89	92	01	61	61	59	59	61	60
17	70	91	88	89	92	01	61	61	59	59	61	61
18	70	91	88	89	92	01	61	61	59	59	61	62
19	70	91	88	90	91	01	61	61	59	59	61	62
20	70	91	89	90	92	01	61	61	59	59	61	61
21	70	90	90	90	92	01	61	61	59	59	60	61
22	70	88	90	90	92	01	61	61	59	60	60	61
23	70	88	89	90	91	01	61	61	59	60	60	61
24	70	88	89	90	33	01	61	61	59	60	60	61
25	70	88	90	91	08	01	61	61	59	60	61	61
26	71	88	90	91	03	20	61	61	59	60	61	61
27	71	87	90	91	03	60	61	60	59	60	61	61
28	71	87	88	92	03	61	61	60	59	60	61	61
29	71	88	88	92		61	61	60	59	60	60	60
30	71	88	88	92		61	61	60	59	60	60	60
31	70		88	91		61		60		60	60	
	2176.0	2468.0	2747.0	2760.0	2121.7	329.4	1830.0	1886.0	1781.0	1839.0	1878.0	1815.0
MEAN	70.2	82.3	88.6	89.0	75.8	10.6	61.0	60.8	59.4	59.3	60.6	60.5
ACRE-FEET	4,320	4,900	5,450	5,470	4,210	653	3,630	3,740	3,530	3,650	3,720	3,600

Remarks:

YEAR OR PERIOD MEAN 64.7
ACRE-FEET 46,900

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT DIVERSION from Storage at Morris Dam, for the year ending September 30, 19 43

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	88.5	88.6	68.0	67.0
2	0	0	0	0	0	0	0	0	88.6	88.6	67.0	67.0
3	0	0	0	0	0	0	0	0	88.6	88.5	68.0	67.0
4	0	0	0	0	0	0	0	0	88.6	88.4	68.0	67.0
5	0	0	0	0	0	0	0	0	88.6	88.2	69.0	68.0
6	0	0	0	0	0	0	0	0	88.6	88.6	69.0	69.0
7	0	0	0	0	0	0	0	0	88.6	88.6	68.0	69.0
8	0	0	0	0	0	0	0	0	88.9	88.7	69.0	69.0
9	0	0	0	0	0	0	0	0	88.9	88.7	69.0	67.0
10	0	0	0	0	0	0	0	0	88.7	88.8	69.0	67.0
11	0	0	0	0	0	0	0	0	88.6	88.4	69.0	66.0
12	0	0	0	0	0	0	0	0	88.5	88.5	69.0	67.0
13	0	0	0	0	0	0	0	0	88.5	88.5	69.0	68.0
14	0	0	0	0	0	0	0	0	88.5	88.5	68.0	67.0
15	0	0	0	0	0	0	0	0	88.5	88.5	68.0	28.0
16	0	0	0	0	0	0	0	0	88.5	88.4	68.0	0
17	0	0	0	0	0	0	0	0	88.5	88.4	68.0	0
18	0	0	0	0	0	0	0	0	88.6	88.4	68.0	0
19	0	0	0	0	0	0	0	0	88.5	88.4	70.0	0
20	0	0	0	0	0	0	0	55.5	88.6	88.4	70.0	0
21	0	0	0	0	0	0	0	88.5	88.5	88.5	69.0	0
22	0	0	0	0	0	0	0	88.8	88.5	88.5	69.0	0
23	0	0	0	0	0	0	0	89.0	88.4	88.4	68.0	0
24	0	0	0	0	0	0	0	88.5	88.4	88.4	68.0	0
25	0	0	0	0	0	0	0	88.4	88.2	88.4	68.0	0
26	0	0	0	0	0	0	0	88.4	88.4	88.4	68.0	0
27	0	0	0	0	0	0	0	88.4	88.6	88.4	68.0	0
28	0	0	0	0	0	0	0	88.4	88.9	80.9	68.0	0
29	0	0	0	0		0	0	88.4	89.1	66.8	68.0	0
30	0	0	0	0		0	0	88.4	89.1	68.1	68.0	0
31	0		0	0		0		88.4		68.4	67.0	
	0	0	0	0	0	0	0	1029.1	2658.0	2673.3	2120.0	973
MEAN	0	0	0	0	0	0	0	33.2	88.6	86.2	68.4	32.4
ACRE-FEET	0	0	0	0	0	0	0	2040	5270	5300	4200	1930

Remarks:

YEAR OR PERIOD MEAN 25.9
ACRE-FEET 18740

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT DIVERSION from Storage at Morris Dam, for the year ending September 30, 19 49

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	88.0	83.0
2	0	0	0	0	0	0	0	0	0	0	88.0	81.0
3	0	0	0	0	0	0	0	0	0	0	88.0	79.5
4	0	0	0	0	0	0	0	0	0	0	88.0	79.0
5	0	0	0	0	0	0	0	0	0	0	88.0	78.0
6	0	0	0	0	0	33.0	0	0	0	0	88.0	78.0
7	0	0	0	0	0	88.0	0	0	0	0	88.0	78.0
8	0	0	0	0	0	88.0	0	0	0	0	88.0	78.0
9	0	0	0	0	0	88.0	0	0	0	0	88.0	78.0
10	0	0	0	0	0	88.0	0	0	0	0	88.0	78.0
11	0	0	0	0	0	88.0	0	57.0	0	0	88.0	78.0
12	0	0	0	0	0	89.0	0	89.0	0	0	88.0	75.0
13	0	0	0	0	0	89.0	0	89.0	0	0	88.0	73.0
14	0	0	0	0	0	89.0	0	89.0	0	0	88.0	73.0
15	0	0	0	0	0	86.0	0	89.0	0	0	88.0	73.0
16	0	0	0	0	0	89.0	0	89.0	0	0	88.0	71.5
17	0	0	0	0	0	88.0	0	89.0	0	0	88.0	70.0
18	0	0	0	0	0	89.0	0	32.0	0	0	88.0	70.0
19	0	0	0	0	0	89.0	0	0	0	58.4	88.0	70.0
20	0	0	0	0	0	89.0	0	0	0	87.0	88.0	70.0
21	0	0	0	0	0	89.0	0	0	0	88.0	88.0	70.0
22	0	0	0	0	0	89.0	0	0	0	88.0	88.0	70.0
23	0	0	0	0	0	89.0	0	0	0	88.0	88.0	70.0
24	0	0	0	0	0	89.0	0	0	0	88.0	88.0	70.0
25	0	0	0	0	0	35.0	0	0	0	88.0	81.0	70.0
26	0	0	0	0	0	0	0	0	0	88.0	83.0	70.0
27	0	0	0	0	0	0	58.0	0	0	88.0	83.0	70.0
28	0	0	0	0	0	0	89.0	0	0	88.0	83.0	70.0
29	0	0	0	0	0	0	86.0	0	0	88.0	83.0	70.0
30	0	0	0	0		0	29.0	0	0	88.0	83.0	70.0
31	0		0	0		0		0		88.0	83.0	
	0	0	0	0	0	1661.0	262.0	623.0	0	1113.4	2691.0	2214.0
MEAN	0	0	0	0	0	53.6	8.73	20.1	0	35.9	86.8	73.8
ACRE-FEET	0	0	0	0	0	3290	520	2340	0	2210	5340	4390

Remarks:

YEAR OR PERIOD MEAN 23.4
ACRE-FEET 16990

F. C. Dist. Form 52 4-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT DIVERSION from Storage at Morris Dam, for the year ending September 30, 19 45

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50.0	14.0	0	0	0	0	0	0	0	0	0	0
2	50.0	45.0	0	0	0	0	0	0	0	0	0	0
3	50.0	45.0	0	0	0	0	0	0	0	0	0	0
4	50.0	46.0	0	0	0	0	0	0	0	0	0	0
5	50.0	47.0	0	0	0	0	0	0	0	0	0	0
6	50.0	53.0	0	0	0	0	0	0	0	0	0	0
7	50.0	20.0	0	0	0	0	0	0	0	0	0	0
8	50.0	0	0	0	0	0	0	0	0	0	0	0
9	27.0	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	1.4	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	55.4
26	0	0	0	0	0	0	0	0	0	0	0	88.7
27	0	0	0	0	0	0	0	0	0	0	0	88.7
28	0	0	0	0	0	0	0	0	0	0	0	88.7
29	0	0	0	0		0	0	0	0	0	0	88.7
30	0	0	0	0		0	0	0	0	0	0	88.7
31	0		0	0		0		0		22.0	0	
	427.0	271.0*	0	0	0	0	1.4	0	0	22.0	0	4989
MEAN	13.8	9.03	0	0	0	0	0.05	0	0	0.72	0	16.6
ACRE-FEET	847	538	0	0	0	0	2.8	0	0	44	0	990

Remarks:

YEAR OR PERIOD MEAN 3.34
ACRE-FEET 2420

F. C. Dist. Form 82 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN GABRIEL-AZUSA CONDUIT DIVERSION from Storage at Morris Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78.0	70.0	0	0	0	0	0	0	0	0	0	0
2	71.0	70.0	0	0	0	0	0	0	0	0	0	0
3	71.0	65.0	0	0	0	0	0	0	0	0	0	0
4	71.0	61.0	0	0	0	0	0	0	0	0	0	0
5	70.0	67.0	0	0	0	0	0	0	0	0	0	0
6	70.0	70.0	0	0	0	0	0	0	0	0	0	0
7	70.0	70.0	0	0	0	0	0	0	0	0	0	0
8	70.0	69.0	0	0	0	0	0	0	0	0	0	0
9	70.0	70.0	0	0	0	0	0	0	0	0	0	0
10	70.0	62.0	0	0	0	0	0	0	0	0	0	0
11	70.0	53.0	0	0	0	0	1.0	0	0	0	0	0
12	70.0	64.0	0	0	0	0	3.0	0	0	0	0	0
13	70.0	45.0	0	0	0	0	50.0	0	0	0	0	0
14	70.0	0	0	0	0	0	70.0	0	0	0	0	0
15	70.0	0	0	0	0	0	70.0	0	0	0	0	0
16	70.0	0	0	0	0	0	70.0	0	0	0	0	0
17	70.0	0	0	0	0	0	70.0	0	0	0	0	0
18	70.0	0	0	0	0	0	70.0	0	0	0	0	0
19	70.0	0	0	0	0	0	70.0	0	0	0	0	0
20	70.0	0	0	0	0	0	25.0	0	0	0	0	0
21	70.0	0	0	0	0	0	0	0	0	0	0	0
22	70.0	0	0	0	0	0	0	0	0	0	0	0
23	70.0	0	0	0	0	0	0	0	0	0	0	0
24	70.0	0	0	0	0	0	0	0	0	0	0	0
25	70.0	0	0	0	0	0	0	0	0	0	0	0
26	70.0	0	0	0	0	0	0	0	0	0	0	0
27	70.0	0	0	0	0	0	0	0	0	0	0	0
28	70.0	0	0	0	0	0	0	0	0	0	0	0
29	70.0	0	0	0		0	0	0	0	0	0	0
30	70.0	0	0	0		0	0	0	0	0	0	0
31	70.0		0	0		0		0		0	0	
	2181.0	836.0	0	0	0	0	499.0	0	0	0	0	0
MEAN	70.4	37.9	0	0	0	0	16.6	0	0	0	0	0
ACRE-FEET	4330	1660	0	0	0	0	990	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 9.63
ACRE-FEET 6980

STATION U8-R
SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER LAT. 34°10'10". LONG. 117°53'16". IN SW 1/4 SEC. 13. T. 1. N.. R. 10 W.. 1 MILE DOWNSTREAM FROM MORRIS DAM AND 3 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE, ABOUT 870 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: 1894 TO SEPTEMBER 1947.

AVERAGE DISCHARGE:
1896-1946
50 YEARS 118 SECOND-FEET.
1895-1946
51 YEARS 168 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS, ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2.
1896-1947
51 YEARS 117 SECOND-FEET.
1895-1947
52 YEARS 167 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS. ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM DISCHARGE DURING YEAR, 980 SECOND-FEET, DECEMBER 23. (GAGE HEIGHT, 3.04 FEET).
MINIMUM DAILY 0.3 SECOND-FEET AUGUST 2, 3.
1946-1947
MAXIMUM DISCHARGE 2,980 SECOND-FEET DECEMBER 31 (GAGE HEIGHT, 4.87 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1894-1947
MAXIMUM DISCHARGE, 65,700 SECOND-FEET, MARCH 2, 1938. BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
NO FLOW FOR SEVEFAL MONTHS IN EACH YEAR 1894-1936, 1940, AND 1941, 1947.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN GABRIEL FLOOD CONTROL RESERVOIRS 1 AND 2, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY), DIVERTS ABOVE HIGH-WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT 3 MILES ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WITH THE EXCEPTION OF 68 MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

NORMAL UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL, ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS RESERVOIR AND SAN GABRIEL RIVER FLOOD CONTROL RESERVOIRS 1 AND 2 USING RECORDS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THESE FIGURES OF RUNOFF ARE EQUIVALENT TO COMBINED RECORDS OF SAN GABRIEL RIVER AND SOUTHERN CALIFORNIA EDISON COMPANY'S CANAL AS PUBLISHED FROM 1894 TO 1933.

MONTH	1945-46 A.F.	1946-47 A.F.
OCTOBER	2,644	2,913
NOVEMBER	2,596	22,954
DECEMBER	22,241	31,047
JANUARY	7,672	18,149
FEBRUARY	5,845	8,322
MARCH	15,217	7,127
APRIL	21,492	5,774
MAY	9,191	4,467
JUNE	5,110	3,160
JULY	3,645	2,190
AUGUST	2,680	1,769
SEPTEMBER	2,372	1,496
TOTALS	100,705 A.F.	109,368 A.F.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

~~AT~~ NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1833	10-3		U.S.G.S.	6.3	5.2	1.42	.58	7.4		.2 .6 .8	14	0	
1834	10-3		"	11.	6.5	.83	.58	5.4		.2 .6 .8	23	0	
1835	10-4		STUNDEN	22.	19.5	.42	.58	8.2		.6	10	0	FC36
1836	10-10		U.S.G.S.	20.5	20.4	.39	.56	8.0		.6	21	0	
1837	10-11		STUNDEN	4.0	4.19	1.81	.56	7.6		.6	4	0	FC36
1838	10-18		MOON	8.0	4.65	1.35	.55	6.3		.6 .8	8	0	FC22
1839	10-19		U.S.G.S.	20.	19.5	.43	.55	8.3		.6	20	0	
1840	10-25		MOON	6.0	4.95	1.35	.55	6.7		.6	6	0	FC22
1841	10-25		U.S.G.S.	20.	19.3	.37	.55	7.2		.6	20	0	
1842	11-1		MOON	7.0	4.60	1.26	.54	5.8		.6	7	0	FC22
1843	11-1		U.S.G.S.	19.5	13.2	.48	.54	6.3		.6	18	0	
1844	11-7		"	6.0	4.80	1.25	.56	6.04		.6	12	0	
1845	11-8		MOON	10.	7.4	.76	.56	5.6		.6	6	0	FC22
1846	11-15		"	CHANNELS			.90	36.3		.6	12	0	"
1847	11-21		"				.88	34.1		.6 .8	14	0	"
1848	11-27		U.S.G.S.	35.4	33.2	1.00	.89	33.1		.2 .6 .8	23	0	
1849	11-29		MOON	CHANNELS			.89	34.4		.6	12	0	FC22
1850	12-4		U.S.G.S.	32.5	34.5	.95	.90	32.7		.2 .6 .8	21	0	
1851	12-6		MOON	CHANNELS			.90	34.0		.6	13	0	FC22
1852	12-13		"	CHANNELS			.90	34.8		.6	12	0	"
1853	12-14		U.S.G.S.	44.	38.4	.77	.90	29.7		.6	22	0	
1854	12-20		"	43.	45.7	.46	.86	21.0		.2 .6 .8	22	0	
1855	12-20		MOON	CHANNELS			0.86	31.7		.6	11	0	FC22
1856	12-23		"	104.	209.	4.38	2.97	916.		.6	12	0	"
1857	12-23		U.S.G.S.	103.	217.	4.22	2.97	915.		.6	20	0	
1858	12-26		MOON	115.	229.	4.15	2.94	950.		.6	11	0	FC22
1859	12-27		U.S.G.S.	102.	200.	4.13	2.94	826.		.6	21	0	
1860	1-24		MOON	4.0	4.6	.40	.34	1.86		.6	4	0	FC22
1861	1-31		U.S.G.S.	2.1	.82	1.38	.36	1.13		.6	4	0	
1862	2-7		MOON	CHANNELS			1.03	54.6		.6	13	0	FC22
1863	2-8		U.S.G.S.	46.	48.0	1.04	1.03	49.9		.6	24	+.02	
1864	2-15		"	48.	61.4	1.33	1.24	81.6		.6	24	0	
1865	2-21		"	46.	56.7	1.24	1.14	70.6		.6	24	0	
1866	2-21		MOON	CHANNELS			1.14	70.9		.6	13	0	FC22
1867	2-28		"	CHANNELS			1.11	65.9		.6	15	0	"
1868	2-28		U.S.G.S.	57.	64.6	1.23	1.11	79.7		.2 .6 .8	19	0	
1869	3-7		"	48.	54.2	1.15	1.10	62.6		.6	24	0	
1870	3-7		MOON	CHANNELS			1.10	61.5		.6	13	0	FC22
1871	3-14		"	CHANNELS			1.12	68.3		.6	13	0	"
1872	3-14		U.S.G.S.	55.	56.9	1.19	1.12	67.6		.6	42	0	
1873	3-19		"	48.	60.0	1.22	1.18	73.1		.6	24	0	
1874	3-21		MOON	CHANNELS			1.08	63.8		.6	13	0	FC22
1875	3-27		"	CHANNELS			1.08	61.5		.6	13	0	"
1876	3-29		U.S.G.S.	46.	54.5	1.07	1.08	58.3		.6	23	0	
1877	4-5		"	44.	51.4	1.05	1.02	54.0		.6	22	0	
1878	4-5		MOON	CHANNELS			1.03	56.4		.6	12	0	FC22
1879	4-18		"	CHANNELS			1.01	55.7		.6	12	0	"
1880	4-19		U.S.G.S.	44.	48.8	1.06	1.01	51.7		.6	22	0	
1881	4-25		MOON	CHANNELS			1.00	55.8		.6	12	0	FC22
1882	4-26		U.S.G.S.	44.	48.5	1.04	1.00	50.4		.6	22	0	
1883	5-3		"	44.	48.7	.95	1.00	46.4		.6	22	0	
1884	5-3		MOON	CHANNELS			1.00	51.7		.6	12	0	FC22
1885	5-9		"	CHANNELS			.99	50.9		.6	11	0	"
1886	5-9		U.S.G.S.	44.	48.6	.92	.99	44.8		.6	22	0	
1887	5-16		MOON	CHANNELS			.99	50.7		.6	11	0	FC22
1888	5-17		U.S.G.S.	44.	47.7	.96	.99	45.6		.6	22	0	
1889	5-23		"	44.	48.9	.95	.98	46.6		.6	22	0	
1890	5-23		MOON	CHANNELS			.98	48.8		.6	11	0	FC22
1891	5-29		U.S.G.S.	44.	48.3	.92	.98	44.5		.6	22	0	
1892	5-30		MOON	CHANNELS			.98	48.3		.6	12	0	FC22
1893	6-6		U.S.G.S.	43.	37.2	1.52	.97	56.7		.2 .6 .8	17	0	
1894	6-6		MOON	CHANNELS			.97	47.0		.6	12	0	FC22
1895	6-11		U.S.G.S.	3.5	3.25	.65	.45	2.10		.6	7	0	
1896	6-13		MOON	3.0	2.25	.68	.39	1.54		.6	3	0	FC22
1897	6-17		BROWN	CHANNELS			.35	.67		.6	7	0	FC13
1898	6-18		U.S.G.S.	2.0	.60	1.03	.38	.62		.6	4	0	
1899	6-20		"	1.8	.67	.85	.41	.57		.6	3	0	
1900	6-20		"	2.0	0.60	0.90	0.41	0.54		.6	4	0	
1901	6-20		MOON	2.0	.48	1.04	.41	.50		.5	2	0	FC22
1902	6-25		U.S.G.S.	1.8	.57	.88	.40	.50		.6	3	0	
1903	6-27		MOON	2.0	.48	1.00	.41	.48		.5	2	0	FC22
1904	7-3		"	1.8	.61	.85	.42	.52		.5	2	0	"
1905	7-3		U.S.G.S.	1.9	.64	.88	.42	.56		.5	6	0	
1906	7-9		"	1.8	.79	1.26	.47	1.00		.6	3	0	
1907	7-11		MOON	1.8	.76	1.43	.48	1.09		.5	2	0	FC22
1908	7-16		U.S.G.S.	1.8	.76	.72	.42	.55		.6	3	0	
1909	7-18		MOON	1.8	.54	.78	.41	.42		.5	2	0	FC22
1910	7-25		"	1.8	.72	1.50	.50	1.08		.5	2	0	"
1911	7-25		U.S.G.S.	1.8	.72	1.36	.50	.98		.6	3	0	
1912	7-31		"	1.8	.54	.70	.42	.38		.6	3	0	
1913	8-1		MOON	1.8	.52	.75	.39	.39		.5	2	0	FC22
1914	8-7		U.S.G.S.	2.0	.98	1.72	.51	1.69		.6	4	0	
1915	8-8		MOON	1.9	.90	1.66	.52	1.49		.5	2	0	FC22
1916	8-14		U.S.G.S.	3.0	1.62	1.98	.59	3.20		.6	6	0	
1917	8-15		MOON	2.0	1.11	2.86	.58	3.17		EST. .6	2	0	FC22
1918	8-21		U.S.G.S.	5.3	1.91	.64	.58	1.23		.6	9	0	
1919	8-22		MOON	2.0	1.17	2.74	.57	3.20		.6	2	0	FC22
1920	8-29		"	2.0	1.00	2.04	.53	2.04		.5	2	0	"
1921	8-29		U.S.G.S.	2.5	1.08	2.07	.53	2.24		.6	6	0	
1922	9-5		STUNDEN	4.0	1.48	.93	.53	1.38		.5	5	0	FC36
1923	9-6		U.S.G.S.	2.3	1.11	1.73	0.52	1.92		.6	5	0	
1924	9-18		"	95.	178.	3.61	2.36	643.		.6	16	0	
1925	9-25		"	98.	147.	2.93	2.18	430.		.6	16	0	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

~~NEAR~~ below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1926	10-2		U.S.G.S.	2.8	0.77	0.42	0.37	0.32		.6	6	0	
1927	10-3	107P / 110P	MOON	2.0	0.40	0.33	0.29	0.13		.5	2	0	FC22
1928	11-13		U.S.G.S.	42.	41.2	1.01	0.93	41.7		.6	33	0	
1929	11-15	1220P / 1235P	MOON	CHANNELS			0.95	42.8		.6	11	0	FC22
1930	11-22	1023A / 1035A	"	31.	33.7	1.44	1.00	48.5		.6	13	0	"
1931	11-22		U.S.G.S.	36.	38.6	1.37	0.99	52.9		.2 / .6.8	16	0	
1932	11-27	755A / 812A	MOON ROCKENMEYER	86	148	3.69	2.47	546		.5	10	-.03	FC22
1933	11-27		U.S.G.S.	100	169	3.37	2.45	570		.6	11	0	
1934	11-27		"	100	170	3.45	2.45	587		.6	10	0	
1935	11-27	1200N / 1220P	MOON	111	234	3.25	2.68	762		.6	13	0	FC22
1936	11-29	810A / 821A	MOON ROCKENMEYER	85.	140	3.19	2.31	446		.6	11	0	"
1937	12-3		U.S.G.S.	135.	214.	2.36	2.31	506		.6 / 2-8	27	0	
1938	12-4	752A / 805A	MOON ROCKENMEYER	85.	140.	3.13	2.31	438		.6	11	0	FC22
1939	12-5		U.S.G.S.	95.	156.	3.14	2.31	490.		.6	18	0	
1940	12-6	1215P / 1230P	MOON	85	132	3.20	2.19	423		.6	11	0	FC22
1941	12-11	835A / 850A	"	85	132	2.77	2.19	366		.6	12	0	FC20
1942	12-12		U.S.G.S.	90	144	2.97	2.19	428		.6	18	0	
1943	12-18	130P / 144P	MOON	CHANNELS			0.94	45.3		.6	12	0	FC22
1944	12-19		U.S.G.S.	44.	47.3	0.90	0.94	42.5		.6	22	0	
1945	12-27		"	46	56.2	1.17	1.05	65.8		.6	23	0	
1946	12-28	1030A / 1130A	MOON STEVENS	111	386	7.54	4.84	2910		.6	9	0	FC22
1947	12-29		U.S.G.S.	116	424	6.67	4.82	2830		.6	12	+.01	
1948	12-29		"	113	442	6.99	4.83	3090		.6	12	0	
1949	12-30		"	113	408	6.94	4.80	2830		.6	12	0	
1950	12-30	105P / 150P	MOON LANG	113	418	6.84	4.82	2860		.6	13	0	
1951	12-30		U.S.G.S.	113	436	6.67	4.82	2910		.6	23	0	
1952	1-3		"	44	49.6	1.11	1.00	55.3		.6	22	0	
1953	1-9	1140A / 1155A	MOON	CHANNELS			1.04	56.1		.6	12	0	FC22
1954	1-16		U.S.G.S.	38.	45.8	1.30	1.02	59.6		.2 / 6.8	16	-.01	
1955	1-23	1220P / 1235P	MOON	28.0	42.6	1.52	1.02	56.2		.6	11	0	FC22
1956	1-30		"	CHANNELS			1.01	55.6		.6	14	0	
1957	1-30		U.S.G.S.	40	42.8	1.25	1.01	53.5		.2 / .6.8	37	0	
1958	2-6	1230P	MOON				0.02	0.10		EST.			
1959	2-11		U.S.G.S.	39	42.1	1.21	1.00	51.00		.6	35	0	
1960	2-14	125P / 145P	MOON	CHANNELS			1.00	53.8		.6	14	0	FC22
1961	2-20	200P / 220P	"	CHANNELS			1.02	57.1		.6	13	0	"
1962	2-26		U.S.G.S.	38.0	46.4	1.50	1.14	69.5		.2 / 6.8	34	0	
1963	2-27	1115A / 1140A	MOON	CHANNELS			1.14	75.1		.6	15	0	FC22
1964	3-6	110P / 130P	"	CHANNELS			1.13	70.4		.6	18	0	"
1965	3-13	240P / 300P	"	CHANNELS			1.14	73.5		.6	15	0	"
1966	3-15		U.S.G.S.	38.0	46.4	1.58	1.13	73.5		.6	35	0	
1967	3-20	235P / 255P	MOON	CHANNELS			1.14	75.5		.6	16	0	FC22
1968	3-27		U.S.G.S.	39.	43.9	1.49	1.07	65.2		.6 / 2-8	35	0	
1969	3-27	122P / 137P	MOON	TWO CHANNELS				0.63	16.2	.6	12	-.01	FC22
1970	7-16		U.S.G.S.	23.5	26.9	1.06	0.84	28.4		.6	19	0	
1971	7-17	1242P / 1252P	MOON PAYNE	6.0	6.6	2.09	0.65	13.9		.6	5	-.02	FC22

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	61	34	29	12	66	38	52	48	05	04	21
2	84	61	34	117	12	64	64	52	48	05	03	21
3	80	61	34	462	19	64	65	52	48	05	03	21
4	80	57	34	452	11	63	61	52	48	06	04	21
5	80	61	34	452	57	63	56	51	48	06	05	21
6	84	61	34	418	48	63	56	51	47	07	08	19
7	80	61	34	337	52	63	58	51	47	08	15	19
8	80	61	34	330	59	63	73	51	47	09	17	19
9	80	61	34	285	80	63	70	51	47	10	19	19
10	75	61	34	285	90	63	59	51	21	10	21	259
11	75	57	34	281	92	63	51	51	21	11	23	447
12	75	57	34	281	92	63	57	51	19	10	26	484
13	75	20	34	277	92	70	58	51	17	09	28	632
14	75	37	34	277	86	68	56	51	14	08	32	626
15	75	37	33	273	84	66	56	51	10	07	32	626
16	75	36	33	251	84	64	54	51	08	06	35	626
17	75	36	33	214	84	64	54	51	07	05	35	620
18	70	34	33	214	84	64	54	51	06	04	39	524
19	70	34	32	214	84	70	54	51	06	04	39	463
20	70	34	31	211	82	64	54	50	05	04	39	426
21	70	34	38	207	73	63	54	50	05	08	35	426
22	70	34	381	76	70	62	52	48	05	12	32	426
23	70	34	937	26	68	62	52	48	05	11	32	426
24	70	34	914	17	66	62	52	48	05	09	32	426
25	70	34	907	14	66	62	52	48	05	10	32	426
26	70	34	907	14	66	62	52	48	05	09	28	302
27	70	34	414	14	66	62	52	48	05	08	26	23
28	70	34	32	12	66	62	52	48	05	07	23	10
29	65	34	29	11		62	52	48	05	06	21	05
30	65	34	29	11		18	52	48	05	06	21	04
31	61		29	11		30		48		04	21	
	2549	680.0	51809	5929.9	1806.3	1871.0	1670.0	1553.0	465.3	229	730	8187.3
MEAN	8.22	22.7	167.	191.	64.5	60.4	55.7	50.1	15.5	.74	2.35	273.
ACRE-FEET	506.	1,350.	10,280.	11,760.	3,580.	3,710.	3,310.	3,080.	923.	45.	145.	16,240.

Remarks:

YEAR OR PERIOD MEAN 75.9 ACRE-FEET 54,930.

F. C. Dist. Form 62 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0	468	1500	1.7	73	0	0	0	0	0	0
2	0.3	0	468	54	0.8	71	0	0	0	0	0	0
3	0.1	0	468	52	0.5	71	0	0	0	0	0	0
4	0	0	468	52	0.4	70	0	0	0	0	0	0
5	0	0	468	52	0.2	70	0	0	0	0	0	0
6	0	0	437	56	0.1	70	0	0	0	0	0	0
7	0	0	421	57	0.1	71	0	0	0	0	0	0
8	0	0	421	58	0.1	73	0	0	0	0	0	0
9	0	0	421	58	5.3	73	0	0	0	0	0	0
10	0	0	421	58	51	73	0	0	0	0	0	0
11	0	0	421	58	52	73	0	0	0	0	0	0
12	0	2.2	421	58	52	73	0	0	0	0	0	0
13	0	38	426	57	52	73	0	0	0	0	0	0
14	0	43	426	56	52	73	0	0	0	0	0	0
15	0	43	426	56	52	73	0	0	0	14	0	0
16	0	43	372	56	52	73	0	0	0	29	0	0
17	0	43	44	56	52	73	0	0	0	18	0	0
18	0	47	44	57	52	75	0	0	0	2.6	0	0
19	0	50	43	57	54	75	0	0	0	0.8	0	0
20	0	60	43	56	56	75	0	0	0	0	0	0
21	0	51	43	56	56	71	0	0	0	0	0	0
22	0	50	48	56	54	66	0	0	0	0	0	0
23	0	54	52	56	54	66	0	0	0	0	0	0
24	0	50	52	54	66	66	0	0	0	0	0	0
25	0	50	62	54	73	66	0	0	0	0	0	0
26	0	65	64	54	73	66	0	0	0	0	0	0
27	0	612	64	54	73	38	0	0	0	0	0	0
28	0	589	1970	54	73	7.2	0	0	0	0	0	0
29	0	498	2920	54		1.7	0	0	0	0	0	0
30	0	468	2920	54		1.0	0	0	0	0	0	0
31	0		2930	39		0.2		0		0	0	
	0.9		18252.0		1108.2		0		0		0	
		2856.2		3149.0		1900.1		0		64.4		0
MEAN	0.03	95.2	589	102	39.6	61.3	0	0	0	2.08	0	0
ACRE-FEET	1.8	5670	36,200	6,250	2,200	3,770	0	0	0	128	0	0

Remarks:

YEAR OR PERIOD MEAN 74.9
ACRE-FEET 54,220

STATION S100A-R
SAN GABRIEL RIVER
AZUSA DUARTE TUNNEL DIVERSION at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'33", LONG. 117°54'27", AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA DUARTE TUNNEL ABOUT 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE, ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL RIVER WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON,

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH TWO BROAD-CRESTED WEIRS. THESE WEIRS DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE FISH CANYON SPREADING GROUNDS. EITHER SIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM AND SAN GABRIEL DAMS NOS. 1 AND 2. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRICTIONS.

RECORDS AVAILABLE: THE TUNNEL WAS CONSTRUCTED IN 1887. RECORDS OF DIVERSION SINCE 1918 ARE AVAILABLE AT THE OFFICE OF THE SAN GABRIEL RIVER WATER COMMITTEE, 124 WEST FOOTHILL BOULEVARD, AZUSA.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

REMARKS: THESE RECORDS WERE FURNISHED BY MR. MORGAN PIERCE, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE, PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1945 TO SEPTEMBER 20, 1947. RECORDS PRIOR TO OCTOBER, 1939 WERE PUBLISHED WITH THE RECORDS OF STATION F100-R WHICH WAS ABANDONED NOVEMBER, 1940.

F. C. Dist. Form 53 4-46

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, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40.5	2.4	25.7	0	0	52.6	27.5	50.3	45.2	0	0	0
2	4.8	2.4	25.7	0	0	56.4	59.5	50.3	45.2	0	0	0
3	3.8	2.3	25.7	0	0	56.4	58.8	50.3	45.2	0	0	0
4	3.8	2.0	25.7	0	0	55.7	56.4	50.3	45.2	0	0	0
5	3.4	1.9	25.7	0	23.3	55.7	53.4	49.6	44.5	0	0	0
6	4.0	1.9	25.7	0	33.0	55.7	54.9	49.6	43.0	0	0	0
7	3.8	1.9	25.7	0	36.9	56.4	55.7	49.6	43.0	0	0	0
8	3.4	1.9	25.7	0	40.2	58.8	60.3	49.6	43.0	0	0	0
9	3.0	1.9	25.7	0	57.2	58.8	61.8	49.6	42.3	0	0	0
10	2.9	1.9	25.7	0	65.0	59.9	54.9	49.6	26.3	0	0	0
11	2.9	1.9	25.7	0	65.0	61.1	51.1	48.8	2.5	0	0	0
12	2.9	1.9	25.7	0	65.0	61.1	54.1	48.8	1.5	0	0	0
13	2.9	8.2	25.7	0	65.0	62.6	55.7	48.1	1.3	0	0	0
14	2.9	25.1	25.7	0	65.0	62.8	52.6	48.1	1.0	0	0	0
15	2.7	26.8	25.7	0	63.4	59.6	52.6	48.1	0.8	0	0	0
16	2.5	26.8	25.7	0	63.4	60.9	51.8	48.1	0.5	0	0	0
17	2.5	27.4	25.7	0	61.8	60.9	51.8	47.3	0	0	0	0
18	2.5	26.8	25.7	0	61.0	61.4	51.8	47.3	0	0	0	0
19	2.5	26.3	24.0	0	61.0	62.7	51.8	47.3	0	0	0	0
20	2.4	26.3	21.7	0	59.5	60.3	51.1	47.3	0	0	0	0
21	2.4	26.3	27.4	0	51.8	58.8	51.1	46.6	0	0	0	0
22	2.4	26.3	18.3	0	48.8	58.8	51.1	46.6	0	0	0	0
23	2.4	25.7	0	0	48.1	58.8	51.1	46.6	0	0	0	0
24	2.4	25.7	0	0	48.1	58.8	51.1	46.6	0	0	0	0
25	2.5	25.7	0	0	48.1	58.8	51.1	46.6	0	0	0	0
26	2.1	25.7	0	0	48.1	58.8	51.1	46.0	0	0	0	0
27	2.1	25.7	0	0	48.8	58.8	51.1	46.0	0	0	0	0
28	2.1	25.7	0	0	48.8	58.8	51.1	46.0	0	0	0	0
29	2.7	25.7	0	0		58.8	51.1	46.0	0	0	0	0
30	2.8	25.7	0	0		31.1	51.1	46.0	0	0	0	0
31	2.4		0	0		9.7		46.0		0	0	
	126.4	476.2	554.0	0	1276.3	1749.8	1578.6	1487.0	430.5	0	0	0
MEAN	4.08	15.9	17.9	0	45.6	56.4	52.6	48.0	14.4	0	0	0
ACRE-FEET	251.	945.	1,100.	0	2,530.	3,470.	3,130.	2,950.	854.	0	0	0

Remarks:

YEAR OR PERIOD MEAN 21.0
ACRE-FEET 15,230.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S 100 A-R

Daily discharge, in second-feet of SAN GABRIEL-AZUSA DUARTE TUNNEL DIVERSION at Mouth of Canyon for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	68.3	0	0	67.3	0	0	0	0	0	0
2	0	0	68.3	9.7	0	67.3	0	0	0	0	0	0
3	0	0	68.3	15.8	0	68.1	0	0	0	0	0	0
4	0	0	68.3	14.6	0	67.3	0	0	0	0	0	0
5	0	0	68.3	14.2	0	67.3	0	0	0	0	0	0
6	0	0	68.3	14.6	0	66.5	0	0	0	0	0	0
7	0	0	68.3	15.8	0	66.5	0	0	0	0	0	0
8	0	0	68.3	15.8	0	67.3	0	0	0	0	0	0
9	0	0	68.3	15.8	0	67.3	0	0	0	0	0	0
10	0	0	68.3	15.8	39.4	67.3	0	0	0	0	0	0
11	0	0	68.3	15.8	48.1	67.3	0	0	0	0	0	0
12	0	0	68.3	15.8	49.6	66.5	0	0	0	0	0	0
13	0	0	68.3	15.5	49.6	66.5	0	0	0	0	0	0
14	0	0	68.3	15.0	49.6	65.8	0	0	0	0	0	0
15	0	15.0	68.3	15.0	50.3	65.8	0	0	0	0	0	0
16	0	29.4	64.7	14.6	50.3	65.8	0	0	0	0	0	0
17	0	32.9	27.6	14.6	50.3	65.0	0	0	0	0	0	0
18	0	36.3	24.8	14.6	50.3	65.0	0	0	0	0	0	0
19	0	39.7	25.1	14.6	51.8	65.0	0	0	0	0	0	0
20	0	16.5	25.7	14.2	52.6	65.0	0	0	0	0	0	0
21	0	26.1	25.7	13.3	52.6	64.1	0	0	0	0	0	0
22	0	38.1	27.4	13.3	52.6	59.6	0	0	0	0	0	0
23	0	42.3	31.7	16.7	52.6	59.6	0	0	0	0	0	0
24	0	38.2	31.7	21.7	59.5	59.5	0	0	0	0	0	0
25	0	42.3	40.2	22.3	68.1	59.5	0	0	0	0	0	0
26	0	46.0	41.6	22.3	68.1	59.5	0	0	0	0	0	0
27	0	69.3	29.1	22.3	68.1	39.5	0	0	0	0	0	0
28	0	68.3	0	24.5	68.1	6.9	0	0	0	0	0	0
29	0	68.3	0	22.8		1.7	0	0	0	0	0	0
30	0	68.3	0	22.3		0.9	0	0	0	0	0	0
31	0		0	18.6		0		0		0	0	
	0	677.0	1419.8	501.9	1031.6	1741.6	0	0	0	0	0	0
MEAN	0	22.6	45.8	16.2	36.8	56.3	0	0	0	0	0	0
ACRE-FEET	0	1,340	2,820	995	2,050	3,450	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 14.7
ACRE-FEET 10,660

STATION F180-R
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'13", LONG. 117°56'32", ON THE DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE 2 MILES WEST OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 558.84 FEET.

DRAINAGE AREA: 230 SQUARE MILES.

CHANNEL AND CONTROL: WEST SIDE OF CHANNEL IS A CONCRETE WALL. BOTTOM IS COMPOSED OF SAND, GRAVEL AND BOULDERS. EAST SIDE OF CHANNEL IS A ROCK AND WIRE LEVEE. NO ARTIFICIAL CONTROL. NEW CHANNEL CONSTRUCTION WAS COMMENCED IN THE SUMMER OF 1947.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 340 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, 1945 TO SEPTEMBER 30, 1947. AN AUXILIARY STILLING WELL IS MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NOS. 1 AND 2, AND MORRIS DAM.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: STREAM MEASUREMENTS STARTING FEBRUARY 22, 1932. RECORDER RECORDS APRIL 25, 1932 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1670 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1946-1947
MAXIMUM 3200 SECOND-FEET, DECEMBER 28.
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1932-1947
MAXIMUM 62,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
458	10/4	1130A / 1140A	STUNDEN	4.0	2.77	0.47	3.90	1.3		.6	4	0	FC36
459	10/11	1115A / 1125A	"	6.0	4.76	0.78	4.13	3.7		.6	6	.01	"
460	10/18	1100A / 1105A	MOON	4.0	3.45	0.91	4.09	3.1		.6	5	0	FC22
461	10/25	1130A / 1135A	"	4.0	3.50	1.00	4.10	3.5		.6	4	0	"
462	11/1	220P / 227P	"	5.0	5.30	1.11	4.21	5.9		.6	5	0	"
463	11/8	1145A / 1150A	"	5.0	4.80	0.73	4.13	3.5		.6	5	0	"
464	11/15	1215P / 1222P	"	5.5	6.20	1.26	4.29	7.8		.6	6	0	"
465	11/21	1130A / 1135A	"	5.0	3.80	0.68	4.00	2.6		.6	4	0	"
466	11/29	140P / 145P	"	4.6	2.83	0.64		1.8		.6	4		"
467	12/6	1115A / 1121A	"	5.2	4.21	1.33	4.26	5.6		.6	6	0	"
468	12/13	950A / 957A	"	6.0	4.60	1.30	4.27	6.0		.6	6	0	"
469	12/20	1110A / 1117A	"	4.7	3.72	1.05	4.15	3.9		.6	6	0	"
470	12/22	450P / 515P	MOON HOLMES	82.0	166.	6.39	7.48	1060.		.6	9	+.06	"
471	12/23	1217P / 1242P	MOON HOLMES	87.0	185.	6.32	7.64	1170.		.6	10	-.02	"
472	1/3	1000A / 1030A	MOON BEAM	82.0	153.	3.17	6.50	484.		.6	11	0	"
473	1/7	1030A / 1055A	MOON BEAM	74.0	130.	2.64	6.25	343.		.6	15	0	"
474	1/9	1100A / 1130A	MOON BEAM	76.0	118.	2.29	6.04	270.		.6	15	0	"
475	~~1/16~~	1015A / 1045A	MOON	73.0	122.	2.44	6.06	298.		.6	15	0	"
476	1/18	910A / 935A	MOON	73.0	109.	2.09	5.88	228.		.6	16	0	"
477	1/22	102P / 115P	"	35.0	59.5	1.04	5.03	62.0		.6	12	-.04	"
478	1/24	1010A / 1015A	"	10.0	9.70	1.19	4.44	11.6		.6	5	0	"
479	2/7	1055A / 1105A	MOON	20.0	16.1	1.34	4.55	21.6		.6	9	0	FC22
480	2/21	1050A / 1100A	"	26.0	34.5	0.54	4.55	18.7		.6	9	0	"
481	2/26	305P / 325P	"	28.0	31.1	0.47	4.46	14.7		.6	14	0	"
482	3/1	145P / 155P	"	7.2	4.66	1.78	4.28	8.3		.6	7	0	"
483	3/7	1250P / 1255P	"	4.0	2.47	0.89	3.94	2.2		.6	4	0	"
484	3/13	1220P / 1225P	"	3.5	1.85	0.51	3.78	0.94		.6	4	0	"
485	3/21	1045A / 1050A	"	3.6	2.54	1.14	4.00	2.9		.6	4	0	"
486	3/27	1135A / 1140A	"	3.5	2.00	0.75	3.79	1.5		.6	4	0	"
487	4/5	120P / 125P	"	4.0	3.45	1.30	4.15	4.5		.6	4	0	"
488	4/11	120P / 125P	"	4.0	2.90	1.10	4.03	3.2		.6	4	0	"
489	4/18	1215P / 1221P	"	4.0	4.00	2.15	4.29	8.6		.6	4	0	"
490	4/25	1035A / 1040A	"	4.0	4.70	2.75	4.41	12.9		.6	4	0	"
491	5/3	142P / 147P	"	5.0	5.05	2.65	4.52	13.4		.6	5	0	"
492	5/9	1045A / 1050A	"	4.5	4.50	2.29	4.40	10.3		.6	5	0	"
493	5/16	1055A / 1100A	"	4.0	3.80	2.00	4.28	7.6		.6	4	0	"
494	5/23	1057A / 1103A	"	4.0	3.60	1.75	4.22	6.3		.6	4	0	"
495	5/30	1148A / 1154A	"	4.0	3.25	1.29	4.10	4.2		.6	4	0	"
496	6/6	1153A / 1158A	"	4.0	3.25	1.48	4.12	4.8		.6	4	0	"
497	6/13	1240P / 1244P	"	2.5	1.48	0.59	3.73	0.87		.6	3	0	"
498	9/10	750P / 810P	WADDICOR STUNDEN	83.0	124.	5.28	6.73	656.		.6	10	0	5C36
499	9/11	1230P / 1250P	BOLLINGER STUNDEN	83.0	110.	4.55	6.31	500.		.6	11	0	"
500	9/12	925A / 1000A	STUNDEN VAN DER GOOT	78.0	116.	3.18	6.30	369.		.6	14	0	"
501	9/13	1105A / 1155A	STUNDEN COLE	85.0	150.	3.54	6.75	530.		.6	17	0	"
502	9/17	955A / 1012A	WADDICOR BOLLINGER	93.0	167.	3.35	6.76	559.		.6	11	0	"
503	9/18	1013A / 1050A	STUNDEN BOLLINGER	79.0	148.	3.23	6.60	478.		.6	16	0	"
504	9/23	1035A / 1055A	STUNDEN BOLLINGER	78.0	132.	2.85	6.41	376.		.6	16	0	"
505	9/27	355P / 400P	STUNDEN	4.0	2.84	0.64	3.90	1.8		.6	4	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
506	10-3	1120A / 1126A	MOON	4.0	2.85	0.81	3.99	2.3		.6	4	0	FC22
507	10-10	1027A / 1032A	"	4.0	2.85	0.84	4.00	2.4		.6	4	0	"
508	10-17	847A / 852A	MOON - VAN DER GOOT	4.0	2.40	0.27	3.75	0.65		.6	4	0	"
509	10-30	1130A / 1135A	MOON	4.0	2.65	0.53	3.87	1.4		.6	4	0	"
510	11-15	1020A / 1030A	"	14.0	12.3	2.98	4.78	36.6		.6	7	0	"
511	11-27	930A / 952A	MOON - ROCKENMEYER	80.0	147.	3.42	6.65	503.		.6	13	0	"
512	11-29	928A / 944A	" "	80.0	138.	3.26	6.48	450.		.6	15	0	"
513	12-4	900A / 920A	" "	80.0	143.	3.08	6.50	440.		.6	15	0	"
514	12-11	954A / 1015A	MOON - WADDICOR	80.0	128.	2.93	6.38	375.		.6	16	0	"
515	12-18	1120A / 1132A	MOON	19.0	25.1	1.47	4.86	37.		.6	10	0	"
516	12-28	125P / 200P	MOON - STEVENS	90.0	326.	8.90	8.88	2900.		.6	12	0	"
517	12-30	305P / 325P	MOON - LANG	91.0	324.	8.68	8.93	2810.		.6	10	0	"
518	1-3	245P / 259P	MOON - WADDICOR	30.0	31.2	2.21	4.85	68.9		.6	11	0	"
519	1-9	935A / 940A	MOON	22.0	21.6	2.30	4.71	49.8		.6	11	0	"
520	1-16	835A / 840A	"	18.0	17.8	2.18	4.61	38.8		.6	7	0	"
521	1-23	950A / 1000A	"	18.0	15.8	2.23	4.57	35.3		.6	9	0	"
522	1-30	150P / 202P	"	18.0	16.0	2.07	4.52	33.1		.6	9	0	"
523	2-14	1112A / 1122A	"	TWO CHANNELS			3.99	8.7		.6	9	0	"
524	2-20	1115A / 1125A	"	"	"		4.18	14.2		.6	7	0	"
525	2-27	905A / 915A	"	"	"		3.48	0.97		.5	6	0	"
526	3-6	1010A / 1020A	"	"	"		3.59	2.1		.6	7	0	"
527	3-13	104P / 109P	"	3.0	1.20	0.63	3.37	0.63		.5	3	0	"

F. C. Dist. Form 52 4-46

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, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	5.5	5.5	14	5.3	8.5	15	18	6.7	2.8	1.0	2.4
2	2.1	5.3	6.0	91	5.5	3.5	16	19	10	2.3	1.4	2.0
3	2.6	5.1	6.2	464	20	4.2	8.9	20	6.9	2.4	1.6	2.1
4	2.0	4.9	6.7	455	10	3.7	6.5	19	6.9	4.6	2.4	1.7
5	2.4	3.7	6.2	455	3.4	2.9	4.4	20	6.7	2.5	2.6	1.8
6	3.2	5.0	7.2	426	21	2.6	3.6	17	7.7	2.6	2.5	1.7
7	5.7	5.3	7.2	346	22	2.2	3.5	14	7.9	4.1	2.7	1.8
8	3.0	5.1	5.6	339	21	1.6	6.1	14	7.4	1.9	2.5	2.2
9	3.2	5.5	6.7	276	28	0.4	6.5	14	7.7	1.5	2.3	2.0
10	2.1	5.1	5.7	277	29	0.9	3.9	14	5.7	2.0	3.0	1.67
11	3.1	3.2	5.1	284	31	1.1	3.2	15	4.1	1.9	3.4	394
12	3.7	2.4	6.7	284	30	2.0	3.3	17	4.8	2.0	2.3	402
13	4.6	3.2	6.5	284	31	2.0	5.7	17	3.7	2.3	2.3	5c8
14	4.9	6.5	6.0	284	25	1.8	9.1	15	2.9	3.6	2.5	594
15	5.1	7.2	6.7	281	20	3.1	9.1	12	2.3	2.4	2.6	594
16	4.2	8.2	8.2	258	21	2.3	9.1	11	8.2	1.8	2.2	594
17	4.0	8.2	6.5	216	19	3.0	9.1	12	3.3	1.0	2.3	594
18	4.4	8.5	6.5	215	18	1.8	8.8	12	3.0	0	3.0	500
19	4.1	7.7	6.0	216	17	3.6	9.1	14	2.3	0.4	1.7	447
20	5.3	6.0	6.0	216	19	3.6	9.6	12	2.3	1.9	1.5	405
21	3.6	4.9	47	216	19	3.0	10	11	2.2	3.7	1.6	405
22	4.1	8.2	593	119	17	3.0	11	11	2.4	2.6	1.6	414
23	3.3	4.9	1190	16	17	2.9	11	8.2	4.1	2.2	1.2	410
24	2.8	4.5	950	11	17	2.7	12	7.2	3.4	2.2	0.5	414
25	3.7	6.7	936	9.1	16	2.7	13	5.5	3.0	2.3	2.0	414
26	4.6	5.7	936	7.1	14	2.0	14	10	2.7	2.3	2.3	315
27	2.2	5.5	509	3.7	14	1.5	16	4.6	2.6	2.0	2.4	7.4
28	5.1	4.3	28	4.8	12	1.9	19	6.2	3.3	2.7	2.3	2.2
29	3.6	3.7	19	5.6		1.7	20	7.4	3.2	2.4	2.1	3.1
30	3.6	4.1	17	5.1		144	19	7.7	4.8	2.1	2.6	2.1
31	5.7		15	5.3		4.4		7.4		1.6	2.5	
	116.2	164.1	5367.2	6063.7	552.8	264.2	295.7	392.2	142.2	70.1	66.9	7605.5
MEAN	3.75	5.47	173.	196.	19.7	8.52	9.86	12.7	4.74	2.26	2.16	256.
ACRE-FEET	230.	325.	10,650.	12,070	1,100.	524.	587.	778.	282.	139.	133.	15,240.

Remarks:

YEAR OR PERIOD MEAN 58.1
ACRE-FEET 42,060

F. C. Dist. Form 88 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

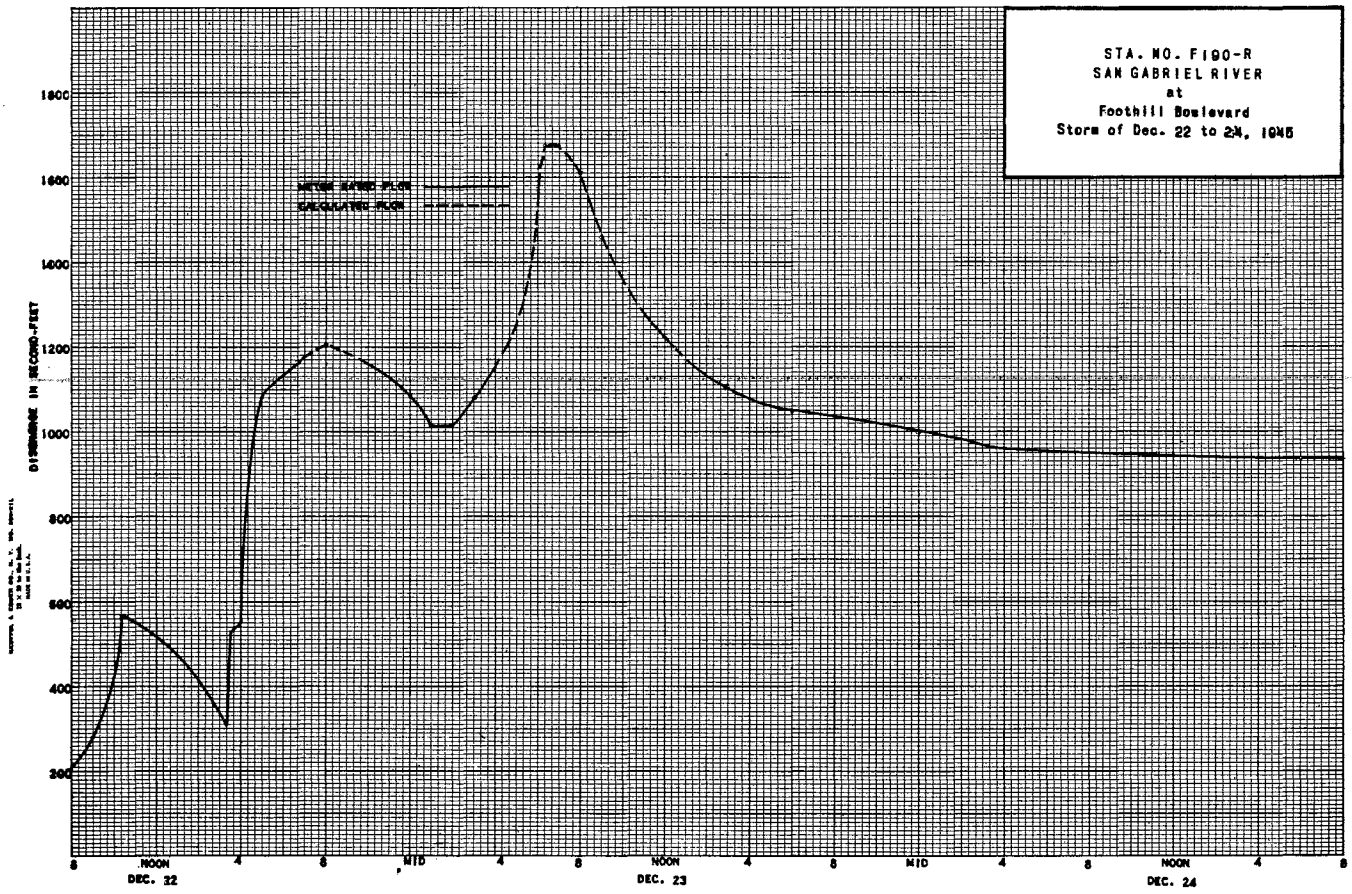
Sta. No. F 190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	2.5	446	1610	12	2.3	1.5	.0	0	0	0	0
2	3.2	2.5	446	83	5.8	2.3	1.0	0	0	0	0	0
3	3.5	3.5	446	61	2.8	2.6	1.1	0	0	0	0	0
4	3.5	2.6	450	54	0.5	2.4	1.0	0	0	0	0	0
5	3.5	2.9	450	51	0	2.6	0.6	0	0	0	0	0
6	4.6	2.2	425	51	0	2.0	0	0	0	0	0	0
7	3.7	2.2	401	50	0	2.1	0	0	0	0	0	0
8	3.6	3.0	401	48	0	2.1	0	0	0	0	0	0
9	2.3	3.7	401	46	0	1.8	0	0	0	0	0	0
10	3.5	4.2	401	46	+	0.8	0	0	0	0	0	0
11	4.2	3.5	401	44	2.7	0.3	0	0	0	0	0	0
12	2.5	12	401	43	4.9	0.1	0	0	0	0	0	0
13	2.2	58	401	42	7.3	0.5	0	0	0	0	0	0
14	2.1	35	401	39	8.8	0	0.1	0	0	0	0	0
15	2.3	23	401	39	10	0	0	0	0	0	0	0
16	1.6	11	389	39	12	0.3	0	0	0	0	0	0
17	1.8	9.1	49	38	15	0.3	0	0	0	0	0	0
18	1.7	10	39	38	21	0	0	0	0	0	0	0
19	1.8	12	36	38	17	0	0	0	0	0	0	0
20	3.6	216	34	38	16	0.1	0	0	0	0	0	0
21	1.6	63	33	37	14	0.4	0	0	0	0	0	0
22	1.5	27	33	36	14	0.1	0	0	0	0	0	0
23	1.2	52	33	35	13	0.4	0	0	0	0	0	0
24	1.4	42	34	32	8.0	0.3	0	0	0	0	0	0
25	1.4	27	101	30	3.0	0	0	0	0	0	0	0
26	1.5	18	254	28	1.2	0	0	0	0	0	0	0
27	3.5	481	202	31	1.7	0	0	0	0	0	0	0
28	2.1	476	1900	38	2.4	2.1	0	0	0	0	0	0
29	2.5	466	3000	34		2.8	0	0	0	0	0	0
30	2.4	441	2930	33		2.8	0	0	0	0	0	0
31	2.6		2930	31		1.7		0		0	0	
	80.8	2511.9	18269.0	2863.0	193.1	33.2	5.3	0	0	0	0	0
MEAN	2.61	83.7	589	92.4	6.90	1.07	0.18	0	0	0	0	0
ACRE-FEET	160	4,980	36,240	5,680	383	66	10	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 65.6
ACRE-FEET 47,520



STATION E281-R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: LAT. 34°06'43", LONG. 117°58'07", ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 0.3 MILE NORTH OF ARROW HIGHWAY AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE ABOUT 400 FEET.

DRAINAGE AREA: 231 SQUARE MILES. SPILLWAY FLOW FROM SANTA FE DAM WILL BE PASSED TO RIO HONDO.

CHANNEL AND CONTROL: CHANNEL - A STILLING BASIN LOCATED IN THE OUTLET CHANNEL IMMEDIATELY BELOW SANTA FE DAM. CONTROL - 194.84 FOOT CONCRETE OVERFLOW SECTION TO THE SAN GABRIEL RIVER AND 5 GATED OPENINGS TO THE RIO HONDO DIVERSION CANAL. STATION E281-R RECORDS WATER SURFACE ELEVATION IN THE STILLING BASIN.

DISCHARGE MEASUREMENTS: LOW FLOW MEASUREMENTS MAY BE MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1,000 FEET BELOW GAGE.

RECORDER: INSTALLED FEBRUARY 9, 1943, OVER A 6 FT. X 5 FT. CONCRETE STILLING WELL. A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND NO. 2 AND MORRIS DAM. AT PRESENT THERE ARE NO GATES IN SANTA FE DAM.

DIVERSION: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. DISCHARGES OVER THE SPILLWAY OF DAM FLOW TO THE RIO HONDO AND ARE NOT RECORDED AT THIS STATION. FIVE GATED OPENINGS ON THE WEST SIDE OF THE STILLING BASIN MAY DIVERT FLOW TO A DIVERSION CANAL TO THE RIO HONDO. SUCH DIVERSIONS ARE MEASURED AT STATION F280-R.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1947. FOR MEASUREMENTS PRIOR TO FEBRUARY 9, 1943, SEE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STAFF GAGE STATION F247-S AT ARROW HIGHWAY.

EXTREMES OF DISHARGE:

1945-1946
MAXIMUM 1600 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 2,580 SECOND-FEET, DECEMBER 31.
MINIMUM NO FLOW MOST OF YEAR.

1942-1945
MAXIMUM 6,700 SECOND-FEET, JANUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

COOPERATION: RECORDS FURNISHED BY CORPS OF ENGINEERS, U.S. ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, WITH THE EXCEPTION OF 16 DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE CORPS OF ENGINEERS, U.S. ARMY, AND THE UNITED STATES GEOLOGICAL SURVEY.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT OR NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
102	12-22		U.S.E.D.	334.	433.	0.91	11.30	395.		.6	19	0	
103	12-23		"	361.	1020.	1.39	12.37	1420.		.6	21	-.03	
104	12-23		MOON	347.	825.	1.27	12.09	1050.		.6	19	-.01	FC22
105	12-26		"	344.	717.	1.22	11.90	888.		.6	19	0	"
106	12-27		U.S.G.S.	194.	325.	2.76	11.85	898.		.2 .8	24	-.18	
107	1-3		U.S.E.D.	337.	443.	.92		406.		.6	20	0	
108	1-14		"	332.	318.	.75		238.		.6	19	0	
109	2-7		MOON	14.	7.7	1.17	10.28	9.0		.6	8	0	FC22
110	2-7		U.S.G.S	194.	39.3	.26	10.28	10.4		.6	23	0	
111	2-8		"	194.	44.6	.27	10.27	12.1		.6	23	-.01	
112	2-9		MOON	17.0	10.7	1.53	10.33	16.4		.6	9	0	
113	2-14		"	14.0	8.4	1.25	10.30	10.5		.6	8	0	
114	2-15		U.S.G.S.	194.	42.7	.30	10.25	12.6		.6	22	0	
115	2-21		"	194.	31.0	.32	10.16	9.8		.6	22	0	
115A	3-30		MOON				10.78	130.		EST.			FC22
116	3-31		"	CHANNELS			10.46	37.6		.6	15	-.01	"
117	3-31		U.S.E.D.	194.	75.8	.37	10.43	28.0		.6	21	0	
118	4-1		U.S.G.S.	194.	36.8	.29	10.23	10.7		.5	21	-.01	
119	9-11		U.S.E.D.	334.	381.	.77		295.		.6	37	0	
120	9-16		"	338	509.	.92		468.		.6	22	0	
121	9-18		"	337	446.	.91		403.		.6	22	0	
122	9-23		"	337.	389.	0.82		321.		.6	22	0	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT OR NEAR below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
123	11-21		U.S.G.S.	195	110	.60	10.62	66.3		.6	41	-.02	
124	11-22	1154A / 1201P	MOON ROCKENMEYER	17	9.6	1.40	10.32	13.4		.6	10	0	FC22
125	11-27	220P / 245P	"	335	536	1.01		508		.6	23	+.01 -.01	"
126	11-29	1055A / 1122A	"	336	430	0.92		396		.6	27	-.01	"
127	12-3		U.S.G.S.	195	134	0.92	10.77	123		.6	22	0	
128	12-4	1145A / 1203P	MOON ROCKENMEYER	CHANNELS			10.79	*419		.6	17	0	FC22
129	12-5		U.S.G.S.	195	145	1.04	10.80	151		.6	21	0	
130	12-6		"	195	212	1.52	11.16	322		.6	21	0	
131	12-6	227P / 242P	MOON	CHANNELS				*405		.6			FC22
132	12-11	1100A / 1210P	MOON WADDICOR	CHANNELS			10.73	*360		.6	24	0	FC20
133	12-11		U.S.G.S.	195	131	0.98	10.73	129		.6	21	0	
134	12-18	310P / 320P	MOON	20	13	1.57	10.38	20.4		.6	9	0	FC22
135	12-20		U.S.G.S.	195	58.5	0.30	10.36	17.7		.6	40	0	
136	12-28	315P / 405P	MOON STEVENS	225	414	5.94	13.24	2460		.6	14	+.04	FC22
137	12-30	440P / 530P	MOON LANG	224	383	6.14	13.32	2350		.6	17	0	"
138	12-31		U.S.G.S.	255	421	5.84	13.30	2460		2-8 .6	43	+.04	

* INCLUDES FLOW TO RIO HONDO DIVERSION

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	5.0	0	0	0	0	0
2	0	0	0	29	0	0	4.4	0	0	0	0	0
3	0	0	0	413	0	0	0	0	0	0	0	0
4	0	0	0	402	0	0	0	0	0	0	0	0
5	0	0	0	402	21	0	0	0	0	0	0	0
6	0	0	0	384	8.6	0	0	0	0	0	0	0
7	0	0	0	310	8.6	0	0	0	0	0	0	0
8	0	0	0	308	6.9	0	0	0	0	0	0	0
9	0	0	0	234	10	0	0	0	0	0	0	0
10	0	0	0	234	12	0	0	0	0	0	0	12
11	0	0	0	246	14	0	0	0	0	0	0	334
12	0	0	0	246	13	0	0	0	0	0	0	340
13	0	0	0	242	14	0	0	0	0	0	0	493
14	0	0	0	238	9.5	0	0	0	0	0	0	493
15	0	0	0	242	5.4	0	0	0	0	0	0	493
16	0	0	0	224	4.7	0	0	0	0	0	0	493
17	0	0	0	183	1.8	0	0	0	0	0	0	498
18	0	0	0	180	0	0	0	0	0	0	0	417
19	0	0	0	183	0	0	0	0	0	0	0	365
20	0	0	0	183	0.9	0	0	0	0	0	0	323
21	0	0	0	183	1.4	0	0	0	0	0	0	323
22	0	0	434	110	0	0	0	0	0	0	0	327
23	0	0	1140	2.7	0	0	0	0	0	0	0	323
24	0	0	930	0	0	0	0	0	0	0	0	323
25	0	0	910	0	0	0	0	0	0	0	0	327
26	0	0	900	0	0	0	0	0	0	0	0	282
27	0	0	525	0	0	0	0	0	0	0	0	3.6
28	0	0	10	0	0	0	0	0	0	0	0	0
29	0	0	0.3	0		0	0	0	0	0	0	0
30	0	0	0	0		35	0	0	0	0	0	0
31	0		0	0		38		0		0	0	
	0	0	4849.3	5178.7	131.8	73.0	9.4	0	0	0	0	61696
MEAN	0	0	156.	167.	4.71	2.4	.31	0	0	0	0	206.
ACRE-FEET	0	0	9,620.	10,270.	261.	145.	19.	0	0	0	0	12,240.

Remarks:

YEAR OR PERIOD MEAN 45.0
ACRE-FEET 32,560.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	402	1560	0	0	0	0	0	0	0	0
2	0	0	411	8.8	0	0	0	0	0	0	0	0
3	0	0	411	0	0	0	0	0	0	0	0	0
4	0	0	421	0	0	0	0	0	0	0	0	0
5	0	0	426	0	0	0	0	0	0	0	0	0
6	0	0	412	0	0	0	0	0	0	0	0	0
7	0	0	380	0	0	0	0	0	0	0	0	0
8	0	0	375	0	0	0	0	0	0	0	0	0
9	0	0	370	0	0	0	0	0	0	0	0	0
10	0	0	366	0	0	0	0	0	0	0	0	0
11	0	0	362	0	0	0	0	0	0	0	0	0
12	0	0	362	0	0	0	0	0	0	0	0	0
13	0	0	362	0	0	0	0	0	0	0	0	0
14	0	0	362	0	0	0	0	0	0	0	0	0
15	0	3.5	362	0	0	0	0	0	0	0	0	0
16	0	0	356	0	0	0	0	0	0	0	0	0
17	0	0	48	0	0	0	0	0	0	0	0	0
18	0	0	20	0	0	0	0	0	0	0	0	0
19	0	0	19	0	0	0	0	0	0	0	0	0
20	0	152	18	0	0	0	0	0	0	0	0	0
21	0	50	15	0	0	0	0	0	0	0	0	0
22	0	13	15	0	0	0	0	0	0	0	0	0
23	0	35	16	0	0	0	0	0	0	0	0	0
24	0	30	16	0	0	0	0	0	0	0	0	0
25	0	13	70	0	0	0	0	0	0	0	0	0
26	0	0.6	259	0	0	0	0	0	0	0	0	0
27	0	388	193	0	0	0	0	0	0	0	0	0
28	0	449	1490	0	0	0	0	0	0	0	0	0
29	0	414	2550	0		0	0	0	0	0	0	0
30	0	398	2540	0		0	0	0	0	0	0	0
31	0		2540	0		0		0		0	0	
	0	1946.1	15949.0	1568.8	0	0	0	0	0	0	0	0
MEAN	0	64.9	514	50.6	0	0	0	0	0	0	0	0
ACRE-FEET	0	3860	31630	3110	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 53.3
ACRE-FEET 38600

STATION F261B-R
SAN GABRIEL RIVER at Valley Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'25", LONG. 118°00'25", ON THE RIGHT (WEST) ABUTMENT ON THE DOWNSTREAM SIDE OF VALLEY BOULEVARD BRIDGE ABOUT 1.8 MILES SOUTHEAST OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 270.69 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES (EXCLUSIVE OF 231 SQUARE MILES ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: SHIFTING SAND AND GRAVEL. BANKS PROTECTED BY PILING AND WIRE MESH. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BYWADING. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE.

RECORDER: INSTALLED MARCH 11, 1937 OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO APRIL 23, 1946. RECORDER REMOVED IN SUMMER OF 1946.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND 2, MORRIS DAM, SANTA FE DAM.

DIVERSIONS: THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION, SPREADING AND POWER DEVELOPMENT.

RECORDS AVAILABLE:
STATION F261-R - MARCH 11, 1937 TO SEPTEMBER 30, 1941.
STATION F261B-R - OCTOBER 1, 1941 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 1470 SECOND-FEET, DECEMBER 23 (ESTIMATED)
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM 3000 SECOND-FEET, DECEMBER 30 (ESTIMATED)
MINIMUM NO FLOW MOST OF YEAR.
1941-1947
MAXIMUM 9400 SECOND-SEET, ESTIMATED, JANUARY 23, 1943.
MINIMUM NO FLOW PART OF SOME YEARS.

ACCURACY: POOR. MEAN DAILY FLOWS INTERPOLATED BETWEEN MEASUREMENTS BY COMPARISON WITH SANTA FE DAM OUTFLOWS, AND DISCHARGES OF THE SAN GABRIEL RIVER AT BEVERLY BOULEVARD. RECORDER RECORD NOT RELIABLE DUE TO INFREQUENT COMMUNICATION.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

REMARKS: STATION ESTABLISHED PRIMARILY TO DETERMINE PERCOLATION LOSSES IN THE MAIN SAN GABRIEL BASIN. WALNUT CREEK DISCHARGE IS NOT INCLUDED IN THIS RECORD. RECORDER RECORDS WERE DISCONTINUED DUE TO EXTREMELY POOR RATING CONDITIONS.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR Valley Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
174	10/4	951A / 955A	BREWSTER	0.5	0.12	0.25	1.74	0.03		6	1	0	FC12
175	10/11	1020A / 1024A	"	0.5	0.11	0.25	1.68	0.03		6	1	0	"
176	10/18	1011A / 1015A	"	1.0	0.12	0.17	1.38	0.02		6	2	0	"
177	1/3	1002A / 1010A	"	4.0	0.80	1.10		0.88		6	4		"
178	1/10	930A / 940A	"	4.0	1.00	0.99		0.99		6	4		"
179	1/17	953A / 1002A	"	8.0	2.00	0.55		1.1		6	4		"
180	1/24	1000A / 1010A	"	8.0	2.00	0.70		1.4		6	4		"
181	1/31	1007A / 1016A	"	8.0	2.20	0.73		1.6		6	4		"
182	2/7	1002A / 1012A	"	8.0	1.80	0.89		1.6		6	4		"
183	2/14	1003A / 1012A	"	8.0	1.72	0.70		1.2		6	4		"
184	2/21	953A / 1001A	"	8.0	1.72	0.70		1.2		6	4		"
185	2/28	950A / 959A	"	7.0	1.48	0.74		1.1		6	4		"
186	3/7	1000A / 1010A	WADDICOR	4.5	0.83	0.81		0.67		6	5		FC22
187	3/14	937A / 945A	BREWSTER	4.0	1.09	0.86		0.94		6	4		FC12
188	3/21	953A / 1002A	"	6.0	1.20	0.92		1.1		6	4		"
189	3/28	830A / 840A	"	8.0	1.72	0.76		1.3		6	4		"
190	4/4	930A / 940A	"	8.0	2.28	0.88		2.0		6	4		"
191	4/11	955A / 1005A	"	4.0	1.43	1.05		1.5		6	4		"
192	4/18	956A / 1006A	"	5.0	1.46	0.96		1.4		6	5		"
193	4/25	952A / 1001A	"	6.0	1.65	0.91		1.5		6	4		"
194	5/2	947A / 956A	BREWSTER	4.0	1.23	0.98		1.2		6	4		FC12
195	5/9	941A / 952A	"	4.0	1.28	0.94		1.2		6	4		"
196	5/16	939A / 950A	"	4.0	1.32	0.76		1.0		6	4		"
197	5/23	951A / 959A	"	4.0	0.98	0.86		0.84		6	4		"
198	5/31	951A / 1000A	"	2.0	0.62	1.34		0.83		6	4		"
199	6/7	936A / 944A	"	4.0	1.04	0.24		0.25		6	4		"
200	6/13	945A / 951A	"	1.5	0.32	0.69		0.22		6	3		"
201	6/20	948A / 952A	"	2.0	0.22	0.18		0.04		6	2		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT ~~NEAR~~ Valley Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
202	11-14	123P / 135P	BREWSTER - VINES	16.0	5.60	1.91		10.7		.6	5		FC12
203	12-5	910A / 920A	BREWSTER	18.0	16.0	2.38		38.1		.6	6		"
204	12-12	840A / 850A	"	18.0	9.40	0.78		7.3		.6	5		"
205	12-19	950A / 956A	"	3.0	0.48	0.81		0.39		.6	3		"
206	12-27	915A / 925A	BREWSTER - VINES	26.0	34.8	2.37		82.5		.6	7		"
207	1-3	940A / 950A	BREWSTER	10.0	2.20	1.14		2.5		.6	5		"
208	1-9	940A / 950A	"	9.0	1.72	0.76		1.3		.6	5		"
209	1-16	935A / 945A	"	8.0	1.48	0.74		1.1		.6	4		"
210	1-23	930A / 940A	"	8.0	1.36	0.88		1.2		.6	4		"
211	1-30	1000A / 1010A	"	8.0	1.44	0.83		1.2		.6	4		"
212	2-6	948A / 959A	"	4.0	1.17	1.03		1.2		.6	4		"
213	2-13	955A / 1005A	"	8.0	1.56	0.83		1.3		.6	4		"
214	2-20	926A / 936A	BREWSTER-WADDICOR	12.0	2.60	0.62		1.6		.6	6		"
215	2-26	140P / 150P	WADDICOR	7.0	1.20	0.81		0.97		.6	7		FC37
216	3-5	1107A / 1117A	"	7.5	1.24	0.81		0.95		.6	8		"
217	3-12	1040A / 1050A	"	8.3	1.27	0.72		0.91		.6	9		"
218	3-19	1040A / 1050A	"	9.5	1.27	0.60		0.76		.6	10		"
219	3-26	1050A / 1058A	"	4.9	0.87	0.90		0.78		.6	6		"
220	4-2	927A / 935A	"	5.4	1.13	0.87		0.98		.6	6		"
221	4-9	1100A / 1108A	"	6.0	1.27	0.74		0.94		.6	6		"
222	4-17	935A / 942A	"	5.0	0.84	0.57		0.48		.6	5		"
223	4-24	945A / 950A	"	4.0	0.64	0.55		0.35		.6	4		"
224	4-30	1115A / 1125A	"	3.0	0.66	0.42		0.28		.5	3		"
225	5-7	1135A / 1140A	"	3.5	0.65	0.42		0.27		.6	4		"
226	5-14	1110A / 1115A	"	1.5	0.35	0.71		0.25		.6	3		"
227	5-21	1035A / 1040A	"	4.0	0.44	0.59		0.26		FLOATS	4		
228	5-29	920A / 925A	"	3.5	0.55	0.60		0.33		"	4		
229	6-5	930A / 935A	"	2.0	0.20	0.50		0.10		"	4		
230	6-12	930A / 935A	"	2.0	0.20	0.55		0.11		"	2		
231	6-19	935A / 940A	"	3.0	0.44	0.48		0.21		"	3		
232	6-25	955A / 1000A	"	1.4	0.14	0.29		0.04		.5	2		FC37
233	6-25	1002A / 1007A	"	1.4	0.14	0.43		0.06		.5	2		"
234	7-3	920A / 925A	"	1.4	0.14	0.50		0.07		.6	2		"
235	7-10	930A / 935A	"	1.4	0.16	0.31		0.05		.6	2		"
236	7-17	940A / 945A	"	1.4	0.15	0.33		0.05		.6	2		"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F261B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Valley Boulevard, for the year ending September 30, 19 48

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	* 0.1	0	0	0.9	1.6	1.0	1.7	1.2	0.7	0	0	0
2	0.04	0	0	0.9	1.6	1.0	1.8	1.2	0.6	0	0	0
3	0.03	0	0	0.9	1.6	0.9	1.9	1.2	0.5	0	0	0
4	0.03	0	0	0.9	1.6	0.9	2.0	1.2	0.5	0	0	0
5	0.03	0	0	0.9	1.6	0.8	1.9	1.2	0.4	0	0	0
6	0.03	0	0	0.9	1.6	0.8	1.9	1.2	0.3	0	0	0
7	0.03	0	0	1.0	1.6	0.7	1.8	1.2	0.2	0	0	0
8	0.03	0	0	1.0	1.6	0.7	1.7	1.2	0.2	0	0	0
9	0.03	0	0	1.0	1.5	0.8	1.6	1.2	0.2	0	0	0
10	0.03	0	0	1.0	1.4	0.8	1.6	1.2	0.2	0	0	0
11	0.03	0	0	1.0	1.4	0.8	1.5	1.1	0.2	0	0	0
12	0.03	0	0	1.0	1.3	0.8	1.5	1.1	0.2	0	0	0
13	0.03	0	0	1.0	1.3	0.9	1.5	1.1	0.2	0	0	0
14	0.03	0	0	1.1	1.2	0.9	1.5	1.1	0.2	0	0	0
15	0.02	0	0	1.1	1.2	0.9	1.4	1.0	0.2	0	0	0
16	0.02	0	0	1.1	1.2	1.0	1.4	1.0	0.2	0	0	0
17	0.02	0	0	1.1	1.2	1.0	1.4	1.0	0.1	0	0	0
18	0.02	0	0	1.1	1.2	1.0	1.4	0.9	0.1	0	0	0
19	0.02	0	0	1.2	1.2	1.0	1.4	0.9	0.1	0	0	0
20	0.02	0	0	1.2	1.2	1.1	1.4	0.9	0.1	0	0	0
21	0.01	0	0	1.3	1.2	1.1	1.4	0.9	0	0	0	0
22	0.01	0	443	1.3	1.2	1.1	1.5	0.8	0	0	0	0
23	0.01	0	990	1.4	1.2	1.2	1.5	0.8	0	0	0	0
24	0	0	800	1.4	1.2	1.2	1.5	0.8	0	0	0	0
25	0	0	746	1.4	1.1	1.2	1.5	0.8	0	0	0	0
26	0	0	786	1.4	1.1	1.2	1.5	0.8	0	0	0	0
27	0	0	359	1.5	1.1	1.3	1.4	0.8	0	0	0	0
28	0	0	12	1.5	1.1	1.3	1.4	0.8	0	0	0	0
29	0	0	1.1	1.5		1.4	1.3	0.8	0	0	0	0
30	0	0	1.0	1.6		1.5	1.3	0.8	0	0	0	0
31	0		1.0	1.6		1.6		0.8		0	0	
	0.65		41683		373		466		54		0	
		0		362		319		310		0		0
MEAN	0.02	0	134.	1.17	1.33	1.03	1.55	1.00	0.18	0	0	0
ACRE-FEET	1.3	0	8,270.	72.	74.	63.	92.	61.	11.	0	0	0

Remarks: * Record for entire year - estimated by interpolating between measurements and comparison to other stations.

YEAR OR PERIOD MEAN 11.9 ACRE-FEET 8,640.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 261B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Valley Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.0	1500	1.2	1.0	1.0	0.3	0.2	0.1	0	0
2	0	0	2.0	10	1.2	1.0	1.0	0.3	0.2	0.1	0	0
3	0	0	3.0	2.5	1.2	1.0	1.0	0.3	0.2	0.1	0	0
4	0	0	1.0	2.3	1.2	1.0	1.0	0.3	0.1	0.1	0	0
5	0	0	4.2	2.1	1.2	1.0	1.0	0.3	0.1	0.1	0	0
6	0	0	6.5	1.9	1.2	1.0	0.9	0.3	0.1	0.1	0	0
7	0	0	3.0	1.7	1.2	1.0	0.9	0.3	0.1	0.1	0	0
8	0	1.8	2.0	1.5	1.2	1.0	0.9	0.3	0.1	0.1	0	0
9	0	1.0	1.0	1.3	1.2	0.9	0.9	0.3	0.1	0.1	0	0
10	0	1.0	7.0	1.3	1.3	0.9	0.8	0.3	0.1	0.1	0	0
11	0	1.0	7.0	1.3	1.3	0.9	0.8	0.3	0.1	0.1	0	0
12	0	1.8	7.0	1.2	1.3	0.9	0.7	0.3	0.1	0.1	0	0
13	0	6.5	6.1	1.2	1.3	0.9	0.7	0.3	0.1	0.1	0	0
14	0	1.6	5.1	1.2	1.3	0.9	0.6	0.3	0.1	0.1	0	0
15	0	7.0	4.2	1.1	1.4	0.9	0.6	0.3	0.1	0.1	0	0
16	0	7.0	3.2	1.1	1.4	0.8	0.5	0.3	0.2	0.1	0	0
17	0	7.0	2.3	1.1	1.5	0.8	0.5	0.3	0.2	0.1	0	0
18	0	5.0	1.4	1.1	1.5	0.8	0.5	0.3	0.2	0.1	0	0
19	0	5.0	0.4	1.1	1.6	0.8	0.5	0.3	0.2	0.1	0	0
20	0	9.0	0.4	1.1	1.6	0.8	0.5	0.3	0.2	0.1	0	0
21	0	1.0	0.4	1.1	1.5	0.8	0.4	0.3	0.1	0.1	0	0
22	0	5.0	0.4	1.1	1.4	0.8	0.4	0.3	0.1	0.1	0	0
23	0	8.5	0.4	1.2	1.3	0.8	0.4	0.3	0.1	0	0	0
24	0	3.6	1.0	1.2	1.2	0.8	0.4	0.3	0.1	0	0	0
25	0	1.5	3.2	1.2	1.1	0.8	0.4	0.3	0.1	0	0	0
26	0	9.0	155	1.2	1.0	0.8	0.4	0.3	0.1	0	0	0
27	0	7.0	75	1.2	1.0	0.8	0.4	0.3	0.1	0	0	0
28	0	5.0	1340	1.2	1.0	0.9	0.3	0.3	0.1	0	0	0
29	0	3.0	2380	1.2		0.9	0.3	0.3	0.1	0	0	0
30	0	2.0	2400	1.2		0.9	0.3	0.3	0.1	0	0	0
31	0		2400	1.2		1.0		0.3		0	0	
	0	401.8	9012.3	1549.1	35.8	27.6	19.0	9.3	3.8	2.2	0	0
MEAN	0	13.4	291	50.0	1.28	0.89	0.63	0.30	0.13	0.07	0	0
ACRE-FEET	0	797	17,880	3,070	71	55	38	18	7.5	4.4	0	0

Remarks: **Record for entire year - estimated by interpolating between measurements and comparison to other stations.**

YEAR OR PERIOD MEAN 30.3
ACRE-FEET 21,940

STATION F263-R
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°00'20", LONG. 118°04'07", ON THE DOWNSTREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.5 MILE EAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 174.43 FEET.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA 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 145 FEET ABOVE STATION.

RECORDER: INSTALLED ON FEBRUARY 4, 1937, OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND NO. 2, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT, AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1947. (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.)

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 4660 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW PART OF YEAR.

1946-1947
MAXIMUM 3240 SECOND-FEET, DECEMBER 30.
MINIMUM NO FLOW PART OF YEAR.

1936-1947
MAXIMUM 22,700 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES. (FOR EARLIER YEARS SEE STATION F63-R.)

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT ~~NEAR~~ Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
482	10/18	1228P / 1240P	BREWSTER	8.0	1.40	0.64	3.72	0.89		.6	4	-.01	FC12
483	10/25	1129A / 1138A	"	6.0	1.20	0.83	3.75	1.0		.6	5	0	"
484	11/1	1105A / 1115A	BREWSTER DILLEY	12.0	2.72	0.92	3.83	2.5		.6	6	0	"
485	11/8	1100A / 1114A	BREWSTER	26.0	6.68	1.11	3.86	7.4		.6	6	0	"
486	11/15	1114A / 1129A	"	20.0	4.00	0.90	3.76	3.6		.6	5	0	"
487	11/23	1115A / 1130A	"	29.0	7.70	1.06	3.86	8.2		.6	8	0	"
488	11/29	1105A / 1121A	"	42.0	13.5	1.11	3.95	15.0		.6	8	0	"
489	12/6	1116A / 1130A	"	57.0	14.3	1.03	3.95	14.8		.6	7	0	"
490	12/13	1108A / 1126A	"	52.0	13.3	1.17	3.94	15.6		.6	6	0	"
491	12/20	1126A / 1145A	"	56.0	11.7	0.99	3.96	11.6		.6	6	0	"
492	12/23	240A / 320A	COLE ROCKENMEYER	311.	368.	2.87	5.42	1050.		.6	19	0	FC20 & FLOAT
493	12/27	110P / 200P	BREWSTER	TWO CHANNELS			5.00	857.		.6	17	-.01	FC12
494	1/3	1115A / 1135A	"	62.0	37.6	1.87	3.75	70.3		.6	7	0	"
495	1/10	1035A / 1050A	"	68.0	36.4	1.96	3.72	71.2		.6	8	0	"
496	1/17	1115A / 1135A	"	65.0	37.4	1.86	3.71	69.4		.6	8	0	"
497	1/24	1100A / 1120A	"	72.0	37.2	1.95	3.70	72.5		.6	8	0	"
498	1/31	1105A / 1123A	"	66.0	42.7	1.76	3.68	75.1		.6	8	0	"
499	2/7	1110A / 1130A	"	61.0	38.2	2.12	3.68	80.8		.6	7	0	"
500	2/14	1120A / 1140A	"	78.0	45.0	1.79	3.67	80.7		.6	8	0	"
501	2/21	1058A / 1114A	"	68.0	41.5	1.93	3.69	80.1		.6	7	0	"
502	2/28	1050A / 1110A	"	75.0	47.4	1.70	3.68	80.8		.6	9	0	"
503	3/7	1115A / 1133A	"	72.0	40.8	1.82	3.67	74.3		.6	8	0	"
504	3/14	1046A / 1107A	BREWSTER	57.0	31.6	2.00	3.60	63.1		.6	8	-.0	FC12
505	3/21	1058A / 1116A	"	65.0	37.2	1.94	3.70	72.1		.6	8	0	"
506	3/28	940A / 1001A	"	62.0	44.4	2.02	3.73	89.6		.6	7	0	"
507	3/30	1155A / 1215P	COLE HOMES	60.0	91.5	4.31	4.46	395.		.6	6	+.04	FC20
508	4/4	1035A / 1055A	BREWSTER	72.0	48.8	1.99	3.68	97.3		.6	8	0	FC12
509	4/11	1056A / 1112A	"	67.0	45.0	1.90	3.66	85.4		.6	8	0	"
510	4/18	1100A / 1118A	"	78.0	43.2	1.70	3.55	73.6		.6	8	0	"
511	4/25	1055A / 1113A	"	69.0	37.3	1.83	3.55	68.1		.6	8	0	"
512	5/2	1108A / 1124A	"	72.0	36.4	1.57	3.54	57.2		.6	8	0	"
513	5/9	1058A / 1114A	"	32.0	10.0	1.30	3.23	13.0		.6	8	0	"
514	5/16	1106A / 1124A	"	46.0	13.0	1.22	3.28	15.9		.6	10	0	"
515	5/23	1108A / 1132A	"	TWO CHANNELS			3.31	14.1		.6	11	0	"
516	5/31	1145A / 1155A	"	10.0	3.08	1.46	3.19	4.5		.6	5	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT ~~NEAR~~ Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
517	10-31	1118A / 1130A	BREWSTER	12.0	3.64	1.10	3.18	4.0		.6	6	0	FC12
518	11-17	1104A / 1120A	"	16.0	4.88	1.02	3.22	5.0		.6	7	0	"
519	11-12	1110A / 1130A	"	56.0	21.0	1.47	3.48	30.9		.6	8	0	"
520	11-13	437A / 452A	BLAKELY-KASIMOFF	61.0	73.5	2.46	3.96	181.		.6	17	-.01	FC35
521	11-13	355P / 415P	BREWSTER - VINES	92.0	123.	4.48	4.55	551.		.6	10	-.02	FC12
522	11-14	225P / 245P	" "	90.0	93.0	2.72	4.04	253.		.6	10	0	"
523	11-15	1040A / 1100A	BREWSTER	51.0	36.1	1.94	3.58	70.2		.6	7	0	"
524	11-20	135P / 155P	BREWSTER - VINES	90.0	101.	3.09	4.15	312.		.6	10	0	"
525	11-22	952A / 1010A	BREWSTER	54.0	35.2	1.88	3.62	66.2		.6	7	0	"
526	11-23	353P / 500P	KASIMOFF-THOMSEN	TWO CHANNELS			4.61	748.		.6	21	-.04	FC47
527	11-24	114P / 130P	BREWSTER-JOHNSON	64.0	55.2	1.97	3.74	109.		.6	7	0	FC12
528	11-29	950A / 1005A	BREWSTER	66.0	35.0	1.86	3.61	65.1		.6	7	0	"
529	12-5	1036A / 1050A	"	70.0	50.0	2.04	3.77	102.		.6	7	0	"
530	12-12	1000A / 1020A	"	62.0	31.4	2.34	3.68	73.6		.6	7	0	"
531	12-19	1050A / 1106A	"	57.0	34.8	1.90	3.68	66.3		.6	7	0	"
532	12-26	1202P / 1224P	BREWSTER - VINES	94.0	123.	4.03	4.51	496.		.6	10	0	"
533	12-27	1014A / 1030A	" "	56.0	65.4	2.31	3.99	151.		.6	7	0	"
534	12-27	115P / 136P	KASIMOFF - HAIG	59.0	72.6	2.58	4.01	187.		.6	13	0	FC47
535	12-29	742A / 817A	BONADIMAN	240.	480.	5.98	6.13	2870.		.6	22	-.05	FC19
536	12-29	817A / 838A	"	230.	477.	6.08	6.10	2900.		.6	16	0	"
537	12-31	755A / 830A	"	232.	445.	6.80	5.93	3020.		.6	22	-.04	"
538	1-3	1110A / 1130A	BREWSTER	76.0	38.4	1.95	3.20	74.8		.6	8	0	FC12
539	1-9	1055A / 1115A	"	84.0	44.3	1.75	3.29	77.3		.6	9	0	"
540	1-16	1106A / 1130A	"	88.0	42.4	1.84	3.33	78.0		.6	11	0	"
541	1-23	1103A / 1122A	"	74.0	43.0	1.85	3.38	79.5		.6	8	0	"
542	1-30	1106A / 1124A	"	60.0	38.1	2.06	3.45	78.4		.6	7	0	"
543	2-6	1102A / 1120A	"	58.0	38.8	1.98	3.45	76.8		.6	7	0	"
544	2-13	1114A / 1134A	"	51.0	36.3	2.22	3.46	80.6		.6	6	0	"
545	2-20	1105A / 1115A	BREWSTER-WADDICOR	70.0	37.4	2.12	3.44	79.3		.6	8	0	"
546	2-26	1050A / 1105A	WADDICOR	57.0	34.8	1.92	3.40	66.7		.6	11	0	FC37
547	3-5	120P / 132P	"	70.0	50.1	1.91	3.51	95.6		.6	10	0	"
548	3-12	115P / 130P	"	66.5	39.9	1.70	3.37	67.9		.6	11	0	"
549	3-19	159P / 213P	"	TWO CHANNELS			3.15	47.0		.6	15	0	"
550	3-27	1135A / 1150A	WADDICOR-VAN DER GOOT	"	"		3.01	30.0		.6	14	0	"
551	4-2	1120A / 1132A	WADDICOR	"	"		3.00	29.6		.6	13	0	"
552	4-10	1100A / 1117A	"	"	"		2.99	33.5		.6	13	0	"
553	4-17	1147A / 1157A	"	22.0	6.06	0.95	2.71	5.8		.6	8	0	"
554	4-24	1130A / 1140A	"	14.0	6.30	1.46	2.72	9.2		.6	7	-.01	"
555	5-1	1110A / 1115A	WADDICOR-MELLEN	19.0	6.42	1.22	2.73	7.8		.6	7	0	"
556	5-8	1050A / 1100A	WADDICOR	12.0	2.68	0.67	2.58	1.8		.6	6	0	"
557	5-15	1115A / 1125A	"	18.0	6.90	1.45	2.87	10.0		.6	7	0	"
558	5-22	1047A / 1057A	"	24.0	8.92	1.30	2.83	11.6		.6	9	0	"
559	5-29	1100A / 1112A	"	TWO CHANNELS			2.83	10.3		.6	11	0	"
560	6-5	1105A / 1115A	"	14.0	3.48	1.21	2.70	4.2		.6	7	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	2.2	15	88	72	78	108	50	4.7	0	0	0
2	5.7	2.4	16	70	78	96	120	54	3.8	0	0	0
3	0	3.6	15	70	207	88	100	50	3.8	0	0	0
4	0	3.8	15	75	128	80	92	48	3.3	0	0	0
5	0	4.1	16	70	88	72	104	54	1.5	0	0	0
6	0	4.1	15	70	100	75	92	44	1.8	0	0	0
7	0	5.0	15	62	80	75	84	33	0.6	0	0	0
8	0	6.9	17	62	92	70	92	24	0	0	0	0
9	0	6.9	16	62	108	72	92	13	0	0	0	0
10	0	6.6	15	68	116	84	84	14	0	0	0	0
11	0	6.9	17	65	108	72	84	15	0	0	0	0
12	0	6.0	17	62	88	62	84	20	0	0	0	0
13	0	5.4	16	72	88	62	78	18	0	0	0	0
14	0	5.4	16	68	80	55	75	18	0	0	0	0
15	0	4.1	14	55	84	48	78	15	0	0	0	0.2
16	0	5.7	14	58	80	44	84	15	0	0	0	0.5
17	0.1	6.6	14	68	80	50	80	14	0	0	0	0
18	0.7	7.7	13	63	80	48	78	14	0	0	0	0
19	1.2	6.9	12	65	80	58	78	15	0	0	0	0
20	1.0	7.7	12	73	88	78	75	15	0	0	0	0
21	1.3	7.7	46	72	75	68	72	14	0	0	0	0
22	1.5	7.7	1170	68	78	55	80	12	0	0	0	0
23	1.3	7.7	1660	67	92	58	72	13	0	0	0	0
24	0.9	8.5	828	73	96	58	65	11	0	0	0	0
25	1.0	11	856	68	84	60	65	10	0	0	0	0
26	0.9	12	856	72	88	54	62	9.3	0	0	0	0
27	1.3	13	603	75	104	54	68	7.7	0	0	0	0
28	1.4	14	104	77	78	66	60	6.9	0	0	0	0
29	2.0	15	84	75		68	58	6.0	0	0	0	0
30	1.7	15	80	70		438	65	5.4	0	0	0	0
31	2.0		84	75		205		4.7		0	0	
	32.9	219.6	6671	2138	2620	2551	2429	643.0	19.5	0	0	0.7
MEAN	1.06	7.32	215.	69.0	93.6	82.3	81.0	20.7	0.65	0	0	0.02
ACRE-FEET	65.	436.	13230.	4,240.	5,200.	5,060.	4,820.	1,280.	39.	0	0	1.4

Remarks:

YEAR OR PERIOD MEAN 47.5
ACRE-FEET 34,370.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

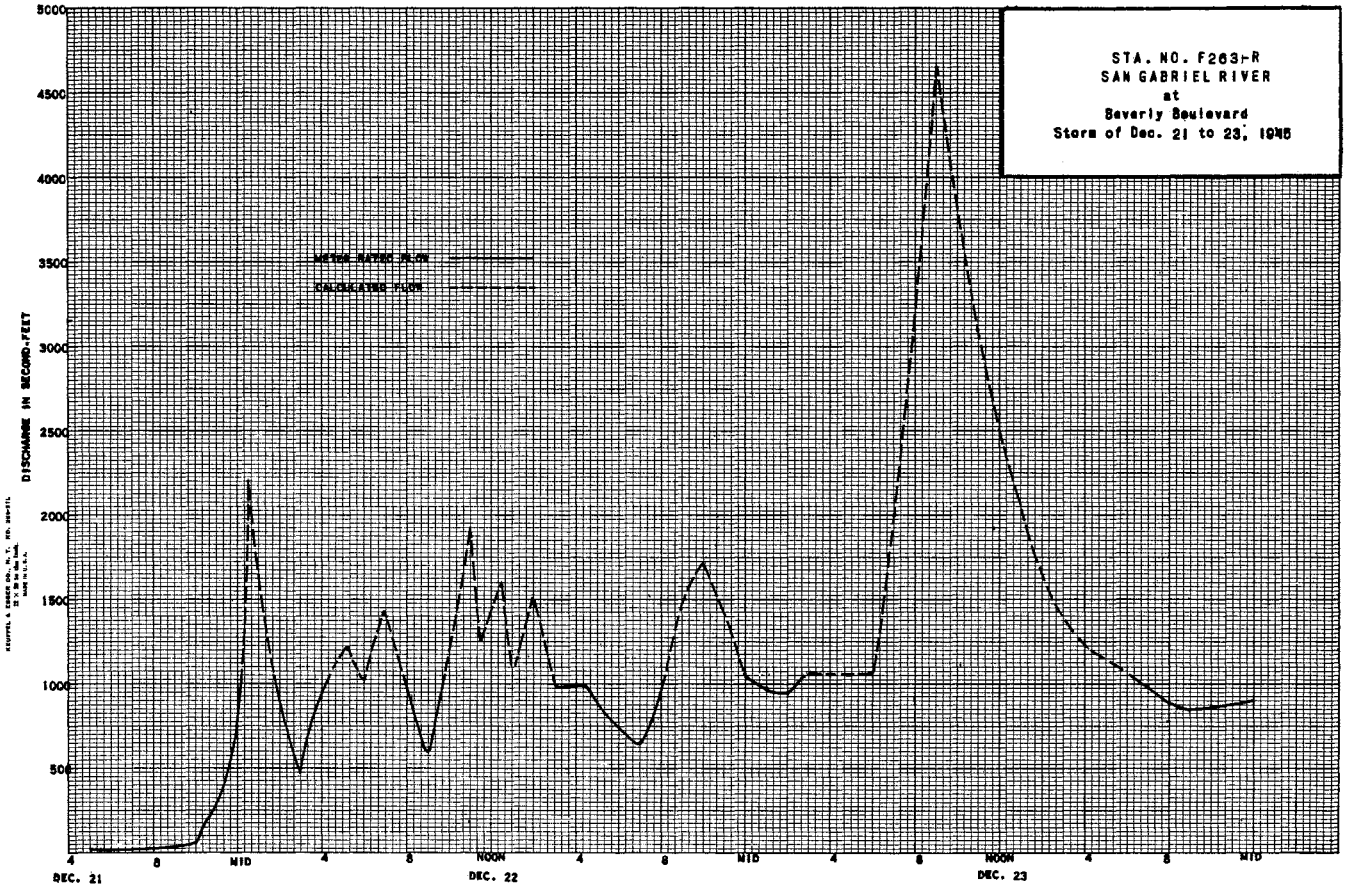
Sta. No. F 263-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	5.3	68	1200	81	64	33	7.1	10	0	0	0
2	0	5.0	68	78	79	66	30	2.6	8.7	0	0	0
3	0	5.6	72	79	81	66	30	0.5	7.6	0	0	0
4	0	5.6	83	77	81	68	32	2.4	6.2	0	0	0
5	0	5.0	104	75	79	79	29	2.3	4.1	0	0	0
6	0	4.7	195	77	81	75	30	+	3.8	2.9	0	0
7	0	4.7	80	75	79	70	30	1.5	4.7	1.7	0	0
8	0	5.3	77	75	81	70	32	2.0	5.3	0	0	0
9	0	6.5	75	75	89	69	32	1.4	5.0	0	0	0
10	0	8.7	75	74	89	69	32	4.4	2.4	0	0	0
11	0	13	77	77	89	69	29	6.5	0	0	0	0
12	0	67	74	79	87	66	22	4.4	0	0	0	0
13	0	345	75	79	83	64	15	4.4	0	0	0	0
14	0	198	77	77	83	62	11	4.7	0	0	0	0
15	0	77	75	79	83	60	8.7	8.2	0	0	0	0
16	0	68	75	81	85	60	8.2	8.7	0	0	0	0
17	0	68	74	85	85	60	7.6	8.2	0	0	0	0
18	0	62	66	87	83	48	8.2	8.7	0	0	0	0
19	0	66	64	89	81	45	8.2	10	0	0	0	0
20	0	201	64	87	81	45	9.8	10	0	0	0	0
21	0	112	64	89	77	44	11	11	0	0	0	0
22	0	68	64	83	79	44	9.8	12	0	0	0	0
23	0	299	64	81	77	45	9.8	11	0	0	0	0
24	0	136	66	85	74	45	9.8	11	0.3	0	0	0
25	0	85	138	85	72	45	9.8	11	0.1	0	0	0
26	0	79	494	85	66	44	8.2	10	0	0	0	0
27	0	77	204	81	68	34	10	11	0	0	0	0
28	1.0	70	1330	101	66	38	9.2	10	0.2	0	0	0
29	4.7	66	2810	85		36	8.2	10	0.3	0	0	0
30	5.3	68	2760	79		36	8.2	11	0	0	0	0
31	4.7		2560	81		34		11		0	0	
	15.7	2281.4	12192.0	3640.0	2239.0	1720.0	531.7	217.0	58.7	4.6	0	0
MEAN	0.51	76.0	393	117	80.0	55.5	17.7	7.00	1.96	0.15	0	0
ACRE-FEET	31	4,530	24,180	7,220	4,440	3,410	1,050	430	116	9.1	0	0

Remarks:

YEAR OR PERIOD MEAN 62.7
ACRE-FEET 45,420



STATION F262-R
SAN GABRIEL RIVER at Florence Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'20", LONG 118°06'00", ON THE DOWNSTREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT 2 MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 110.94 FEET.

DRAINAGE AREA: 215 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: SHIFTING SAND BOTTOM BETWEEN EARTH LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED ON FEBRUARY 27, 1937 OVER AN 18 INCH DIAMETER, CORRUGATED IRON PIPE STILLING WELL. THE RECORDER WAS REMOVED ON MARCH 2, 1938 AND WAS REINSTALLED ON APRIL 4, 1938. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947. A SECONDARY STILLING WELL AND RECORDER WERE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND 2, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. VARIABLE QUANTITIES OF IRRIGATION WASTE RETURNS ARE RECORDED AT THE STATION.

RECORDS AVAILABLE: FEBRUARY 27, 1937, TO SEPTEMBER 30, 1947. RECORDER RECORD LOST FROM AUGUST 19, 1938 TO NOVEMBER 23, 1938 DUE TO THEFT OF RECORDER. FOR EARLIER RECORDS SEE STATION F237-R, SAN GABRIEL RIVER AT TELEGRAPH ROAD.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 4370 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1946-1947
MAXIMUM 3640 SECOND-FEET, DECEMBER 31.
MINIMUM NO FLOW FOR SEVERAL MONTHS.

1937-1947
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. OCCASIONALLY INTERPOLATED BETWEEN MEASUREMENTS DUE TO LOSS OF COMMUNICATION.

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 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
367	11/29	432P / 445P	BONADIMAN	21.0	5.25	0.67	3.10	3.5		.6	6	0	FC19
368	12/22	607A / 630A	BONADIMAN KASIMOFF	173.	238.	3.45	3.97	820.		.6	8	+.04	"
369	12/23	1102A / 1120A	BONADIMAN KASIMOFF	276.	615.	5.96	4.96	3660.		.6	12	-.12	"
370	12/24	1055A / 1110A	BONADIMAN	146.	175.	3.42	3.91	773.		.6	9	0	"
371	12/27	950A / 1005A	"	150.	169.	4.60	3.82	780.		.6	11	0	"
372	1/3	332P / 342P	"	10.0	3.50	0.74	2.66	2.6		.6	4	0	"
373	1/10	302P / 312P	"	9.00	3.00	0.79	2.70	2.4		.6	4	0	"
374	1/17	154P / 205P	"	15.0	2.70	0.76	2.51	2.1		.6	4	0	"
375	1/24	332P / 342P	"	14.0	3.10	1.06	2.76	3.3		.6	4	0	"
376	1/31	337P / 347P	"	13.0	5.15	0.76	2.80	3.9		.6	5	0	"
377	2/4	926A / 954A	"	TWO CHANNELS			3.12	49.5		.6	13	0	"
378	2/7	321P / 328P	"	" "			2.91	13.5		.6	9	0	"
379	2/14	422P / 428P	"	" "			2.96	12.7		.6	9	0	"
380	2/21	325P / 335P	"	" "			2.99	11.4		.6	9	0	"
381	2/28	320P / 334P	"	" "			2.98	10.5		.6	9	0	"
382	3/7	314P / 330P	"	" "			2.98	6.4		.6	7	0	"
383	3/14	252P / 300P	"	7.00	2.25	0.40	2.89	0.9		.6	3	0	"
384	3/20	1137A / 1154A	"	TWO CHANNELS			3.05	14.7		.6	12	0	"
385	3/21	455P / 530P	KASIMOFF BONADIMAN	" "			3.14	27.5		.6	12	0	"
386	3/28	534P / 552P	BONADIMAN	" "			3.13	48.1		.6	10	0	"
387	3/30	302P / 330P	KASIMOFF BONADIMAN	" "			3.99	875.		.6	12	-.05	"
388	3/31	520P / 558P	KASIMOFF BONADIMAN	" "			3.16	86.8		.6	18	0	"
389	4/4	347P / 408P	BONADIMAN	TWO CHANNELS			3.07	52.3		.6	15	0	FC19
390	4/11	302P / 320P	"	TWO CHANNELS			3.03	26.4		.6	11	0	"
391	4/18	949A / 1002A	"	" "			2.86	18.6		.6	11	0	"
392	4/25	944A / 952A	"	20.0	8.40	1.46	2.70	12.3		.6	5	0	"
393	5/2	1002A / 1020A	"	TWO CHANNELS			2.84	10.3		.6	9	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
				WEST RECORDER STAFF									
394	11-14	1020A / 1030A	BONADIMAN - LANG	16.0	4.00	1.22	3.28	4.9		.6	5	0	FC19
395	11-23	441P / 500P	" "	156.6	157.	2.94	4.36	461.		.6	11	+.03	"
396	11-24	1102A / 1112A	BONADIMAN	18.0	5.55	1.23	3.31	6.8		.6	6	0	"
397	12-6	1034A / 1050A	"	TWO CHANNELS			3.80	120.		.6	12	0	"
398	12-7	1100A / 1110A	"	9.00	6.95	0.36	3.25	2.5		.6	4	0	"
399	12-12	1031A / 1039A	"	5.50	1.67	1.14	3.14	1.9		.6	5	0	"
400	12-19	955A / 1000A	"	4.00	0.92	0.88	3.11	0.81		.6	5	0	"
401	12-26	936A / 946A	"	156.5	211.	3.35	4.53	706.		.6	11	-.02	"
402	12-27	1001A / 1019A	BONADIMAN - LANG	TWO CHANNELS			3.75	99.3		.6	10	0	"
403	12-29	920A / 955A	BONADIMAN	243.0	430.	6.24	4.68	2570.		.6	21	0	"
404	12-29	126P / 158P	"	222.0	417.	6.25	4.68	2600.		.6	20	-.04	"
405	12-31	917A / 956A	"	202.0	377.	6.89	4.23	2600.		.6	20	+.10	"
406	1-2	1045A / 1058A	"	47.0	27.2	2.87	2.29	78.2		.6	11	0	"
407	1-9	1017A / 1032A	"	34.0	13.8	1.64	2.41	22.6		.6	10	0	"
408	1-16	1014A / 1026A	"	31.0	13.0	1.37	2.41	17.8		.6	9	0	"
409	1-23	1018A / 1028A	"	33.0	11.4	1.42	2.39	16.2		.6	8	0	"
410	1-30	912A / 926A	"	49.0	19.6	1.29	2.50	25.3		.6	10	0	"
411	2-6	1000A / 1020A	"	58.0	19.2	1.07	2.46	20.5		.6	12	0	"
412	2-13	945A / 1005A	"	60.0	19.7	1.18	2.50	23.2		.6	12	0	"
413	2-20	927A / 942A	"	37.0	17.3	1.25	2.51	21.6		.6	11	0	"
414	2-27	958A / 1014A	"	68.0	20.7	0.89	2.50	18.4		.6	12	0	"
415	3-6	940A / 1000A	"	67.0	21.4	0.99	2.54	21.2		.6	12	0	"
416	3-13	1002A / 1020A	"	TWO CHANNELS			2.52	18.3		.6	13	0	"
417	3-20	1002A / 1014A	"	39.0	11.8	1.02	2.49	12.0		.6	9	0	"
418	3-27	1012A / 1018A	"	5.0	1.02	0.88	2.33	0.90		.6	4	0	"
419	4-3	931A / 939A	"	6.0	1.40	0.85	2.32	1.2		.6	4	0	"
420	4-10	957A / 1012A	"	TWO CHANNELS			2.42	6.2		.6	10	0	"

F. C. Dist. Form 52 4-46

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 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	18	b 9.2	20	13	52	b 10	0	0	0	0
2	0	0	18	b 4.9	b 36	13	60	10	0	0	0	0
3	0	0	16	b 2.5	179	16	36	8.6	0	0	0	0
4	0	0	5.9	f 2.8	86	22	56	7.1	0	0	0	0
5	0	0	0	2.8	18	16	56	5.7	0	0	0	0
6	0	0	0	7.0	20	16	52	4.3	0	0	0	0
7	0	0	0	f 2.8	22	13	32	2.8	0	0	0	0
8	0	0	0	2.5	18	11	48	b 1.4	0	0	0	0
9	0	0	0	2.8	24	7.0	40	0	0	0	0	0
10	0	0	0	2.2	40	13	44	0	0	0	0	0
11	0	0	0	2.1	48	16	40	0	0	0	0	0
12	0	0	0	0	52	7.1	32	0	0	0	0	0
13	0	0	0	2.7	36	0	28	0	0	0	0	0
14	0	0	0	b 2.5	22	8.4	20	0	0	0	0	0
15	0	0	0	2.3	16	0	b 20	0	0	0	0	0
16	0	0	0	2.1	22	0	20	0	0	0	0	0
17	0	0	0	2.0	18	0	19	0	0	0	0	0
18	0	0	0	b 1.8	28	0	19	0	0	0	0	0
19	0	0	0	1.6	28	7.5	18	0	0	0	0	0
20	0	0	0	7.0	24	32	17	0	0	0	0	0
21	0	0	0	7.0	13	32	16	0	0	0	0	0
22	0	0	798	9.2	16	22	15	0	0	0	0	0
23	0	0	1505	9.2	9.2	18	14	0	0	0	0	0
24	0	0	794	8.5	18	16	13	0	0	0	0	0
25	0	0	778	13	24	13	12	0	0	0	0	0
26	0	0	844	20	22	13	12	0	0	0	0	0
27	0	0	600 f	20	20	18	12	0	0	0	0	0
28	0	0	52 b	11	13	44	11	0	0	0	0	0
29	0	1.6	22 b	2.8		40	11	0	0	0	0	0
30	0	13	18 b	9.2		320	b 11	0	0	0	0	0
31	0		13 b	9.2		107		0		0	0	
	0	14.6	5481.9	182.7	8922	854.0	836	49.9	0	0	0	0
MEAN	0	0.49	177.	5.89	31.9	27.5	27.9	1.61	0	0	0	0
ACRE-FEET	0	29.	10,870.	362.	1,770.	1,690.	1,660.	99.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 22.8
ACRE-FEET 16,480.

F. C. Dist. Form 83 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

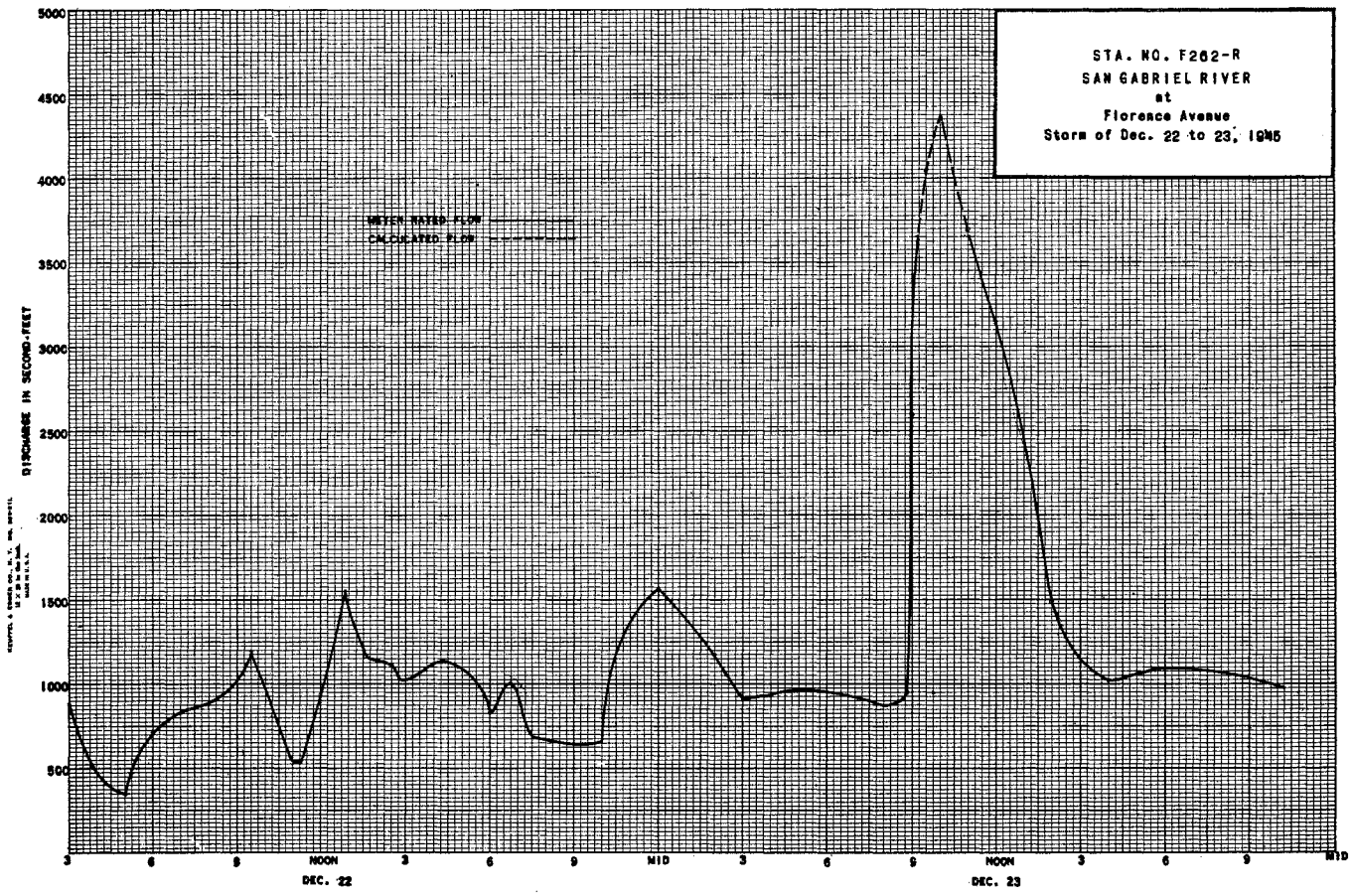
Sta. No. F 262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	6.2	0	1850	23	9.5	0	0	0	0	0	0
2	0	1.0	0	f 78	22	8.0	0	0	0	0	0	0
3	0	4.6	0	b 71	22	8.0	2.2	0	0	0	0	0
4	0	0	0	63	23	14	17	0	0	0	0	0
5	0	0	0	55	23	25	11	0	0	0	0	0
6	0	0	83	47	20	22	5.9	0	0	0	0	0
7	0	+	13	39	18	12	7.3	0	0	0	0	0
8	0	4.6	d 2.4	31	20	16	5.9	0	0	0	0	0
9	0	0	d 2.3	23	25	20	5.2	0	0	0	0	0
10	0	0	d 2.1	22	33	12	3.8	0	0	0	0	0
11	0	0	d 2.0	22	23	12	1.7	0	0	0	0	0
12	0	0	1.9	21	27	12	0	0	0	0	0	0
13	0	3.8	0	20	23	16	+	0	0	0	0	0
14	0	2.0	+	19	25	16	0	0	0	0	0	0
15	0	0	1.4	19	22	14	0	0	0	0	0	0
16	0	0	1.9	18	18	12	0	0	0	0	0	0
17	0	0	1.3	18	22	11	0	0	0	0	0	0
18	0	0	0	18	22	9.5	0	0	0	0	0	0
19	0	0	+	17	18	4.0	0	0	0	0	0	0
20	0	2.4	+	17	18	7.3	0	0	0	0	0	0
21	0	7.0	+	16	23	8.0	0	0	0	0	0	0
22	0	0	+	16	22	11	0	0	0	0	0	0
23	0	12.9	+	16	20	8.0	0	0	0	0	0	0
24	0	1.3	+	17	18	4.5	0	0	0	0	0	0
25	0	0	6.6	19	17	1.3	0	0	0	0	0	0
26	0	0	460	20	20	0	0	0	0	0	0	0
27	0	0	98	21	18	+	0	0	0	0	0	0
28	0	0	1010	22	17	0	0	0	0	0	0	0
29	0	0	2600	30		+	0	0	0	0	0	0
30	0	0	2880	b 25		+	0	0	0	0	0	0
31	3.5		2820	22		0		0		0	0	
	3.5	247.4	10045.3	2692.0	602.0	293.1	60.0	0	0	0	0	0
MEAN	0.11	8.25	324	86.8	21.5	9.45	2.00	0	0	0	0	0
ACRE-FEET	6.9	490	19,920	5,340	1,190	581	119	0	0	0	0	0

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

YEAR OR PERIOD MEAN 38.2
ACRE-FEET 27650



STATION F42-R
SAN GABRIEL RIVER at Spring Street, Long Beach

LOCATION: WATER-STAGE RECORDER, LAT. 33°48'38", LONG. 118°05'25", ON DOWNSTREAM SIDE OF SPRING STREET BRIDGE ABOUT 4 MILES EAST OF SIGNAL HILL, NEAR LONG BEACH. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED IN 1924 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 16.69 FEET.

DRAINAGE AREA: 215.5 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADOBE WITH EARTH LEVEES PROTECTED BY WIRE MESH. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CAT-WALK ON UPSTREAM SIDE OF SPRING STREET BRIDGE.

RECORDER: INSTALLED FEBRUARY 6, 1928 OVER A 21 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY SAN GABRIEL DAMS NO. 1 AND NO. 2, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DAM, PUDDINGSTONE DIVERSION DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 3300 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 2740 SECOND-FEET, JANUARY 1.
MINIMUM NO FLOW MOST OF YEAR.

1927-1947
MAXIMUM 27,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO SEPTEMBER 30, 1947. (FOR PERIODS PRIOR TO FEBRUARY 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

ACCURACY: GOOD.

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, Long Beach DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
315	12/22	252P / 310P	BONADIMAN / KASIMOFF	113.0	335.	3.85	8.33	1290.		.6	7	+.02	FC19
316	12/23	1242P / 1255P	BONADIMAN / KASIMOFF	117.0	638.	4.55	9.63	2900.		.6	9	-.04	"
317	12/24	1232P / 1259P	BONADIMAN	108.	429.	1.67	7.45	718.		.6	9	0	"
318	12/27	1152A / 1210P	"	105.	287.	2.82	7.65	810.		.6	9	0	"
319	2/4	1100A / 1118A	"	THREE CHANNELS			6.25	66.0		.6	18	0	"
320	2/7	202P / 220P	"	TWO CHANNELS			5.93	10.7		.6	12	0	"
321	2/14	347P / 357P	"	20.0	8.40	1.18	5.87	9.9		.6	6	0	"
322	2/21	221P / 232P	"	TWO CHANNELS			5.76	3.8		.6	8		"
323	2/28	142P / 156P	"	" "			5.76	4.3		.6	9	0	"
324	3/7	152P / 200P	"	5.0	0.85	0.47	5.61	0.4		.6	3	0	"
325	3/14	140P	"				4.85	0					
326	3/21	324P / 333P	KASIMOFF / BONADIMAN	43.0	24.5	1.20	5.99	29.4		.6	10	0	FC19
327	3/29	944A / 1000A	BONADIMAN	42.0	25.3	1.12	5.96	28.4		.6	8	0	"
328	3/30	532P / 546P	KASIMOFF / BONADIMAN	117.0	253.	3.60	7.73	911.		.6	11	+.14	"
329	3/31	315P / 338P	KASIMOFF / BONADIMAN	60.0	68.5	1.49	6.48	102.		.6	12	0	"
330	4/4	202P / 212P	BONADIMAN	27.0	21.4	1.79	6.07	38.4		.6	6	0	"
331	4/11	142P / 152P	"	22.0	16.0	1.46	5.95	23.3		.6	6	0	"
332	4/18	1102A / 1112A	"	10.0	5.70	0.91	5.75	5.2		.6	5	0	"
333	4/25	1050A / 1102A	"	9.00	7.15	0.56	5.73	4.0		.6	4	0	"
334	5/2	300P	"				5.40	0					

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT Spring Street, Long Beach DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
335	11-21	302P / 308P	BONADIMAN	8.00	1.37	0.67	5.67	0.92		.6	3	0	FC19
336	11-24	1146A / 1158A	"	TWO CHANNELS			6.10	22.6		.6	11	0	"
337	12-7	1202P / 1212P	"	37.0	17.6	1.28	6.03	22.6		.6	7	0	"
338	12-26	1101A / 1112A	"	104.0	298.	2.70	7.63	803.		.6	8	0	"
339	12-27	1215P / 1225P	BONADIMAN - LANG	THREE CHANNELS			6.36	66.5		.6	12	0	"
340	12-29	1102A / 1130A	BONADIMAN	112.0	522.	4.54	9.05	2370.		.6	11	0	"
341	12-31	1042A / 1112A	"	113.0	369.	6.95	9.22	2530.		.6	12	.02	"
342	1-2	1200N / 1228P	"	TWO CHANNELS			7.08	107.		.6	14	0	"
343	1-9	1218P / 1230P	"	38.0	16.0	1.02	6.68	16.3		.6	9	0	"
344	1-16	1132A / 1140A	"	16.0	7.44	0.75	6.48	5.6		.6	4	0	"
345	1-23	1137A / 1153A	"	TWO CHANNELS			6.55	9.5		.6	10	0	"
346	1-30	1047A / 1102A	"	58.0	22.2	0.88	6.73	19.4		.6	12	0	"
347	2-6	1128A / 1144A	"	TWO CHANNELS			6.58	10.6		.6	11	0	"
348	2-13	1122A / 1136A	"	60.0	22.0	0.87	6.71	19.1		.6	12	0	"
349	2-20	1042A / 1100A	"	58.0	13.8	0.96	6.68	13.2		.6	15	0	"
350	2-27	1102A / 1120A	"	TWO CHANNELS			6.62	9.9		.6	12	0	"
351	3-6	1050A / 1106A	"	59.0	22.4	0.91	6.75	20.3		.6	13	0	"
352	3-13	1121A / 1129A	"	17.0	8.95	0.86	6.56	7.7		.6	5	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	4.6	54	0	0	0	0	0
2	0	0	0	0	0	32	41	0	0	0	0	0
3	0	0	0	0	0	39	37	0	0	0	0	0
4	0	0	0	0	79	39	43	0	0	0	0	0
5	0	0	0	0	19	25	34	0	0	0	0	0
6	0	0	0	0	13	14	32	1.6	0	0	0	0
7	0	0	0	0	10	14	29	0.7	0	0	0	0
8	0	0	0	0	9.1	0.4	26	0	0	0	0	0
9	0	0	0	0	8.4	0.1	23	0	0	0	0	0
10	0	0	0	0	10	0	21	0	0	0	0	0
11	0	0	0	0	12	0	20	0	0	0	0	0
12	0	0	0	0	10	0	20	0	0	0	0	0
13	0	0	0	0	11	0	20	0	0	0	0	0
14	0	0	0	0	8.4	0	18	0	0	0	0	0
15	0	0	0	0	6.6	0	16	0	0	0	0	0
16	0	0	0	0	5.9	0	10	0	0	0	0	0
17	0	0	0	0	4.6	0	9.7	0	0	0	0	0
18	0	0	0	0	5.0	0	7.2	0	0	0	0	0
19	0	0	0	0	5.3	0	8.4	0	0	0	0	0
20	0	0	0	0	5.3	2.1	7.8	0	0	0	0	0
21	0	0	0	0	5.3	31	8.4	0	0	0	0	0
22	0	0	459	0	4.2	18	10	0	0	0	0	0
23	0	0	1460	0	7.8	16	9.7	0	0	0	0	0
24	0	0	738	0	5.3	14	7.2	0	0	0	0	0
25	0	0	792	0	9.1	18	4.6	0	0	0	0	0
26	0	0	770	0	8.4	14	1.8	0	0	0	0	0
27	0	0	692	0	6.6	13	0	0	0	0	0	0
28	0	0	29	0	5.9	19	0	0	0	0	0	0
29	0	0	0	0		26	0	0	0	0	0	0
30	0	0	0	0		259	0	0	0	0	0	0
31	0		0	0		158		0		0	0	
	0	0	4940	0	275.2	609.5	518.8	2.3	0	0	0	0
MEAN	0	0	159.4	0	9.83	19.7	17.3	0.07	0	0	0	0
ACRE-FEET	0	0	9,798.	0	546.	1,209.	1,029.	4.6	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 17.4
ACRE-FEET 12,590.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

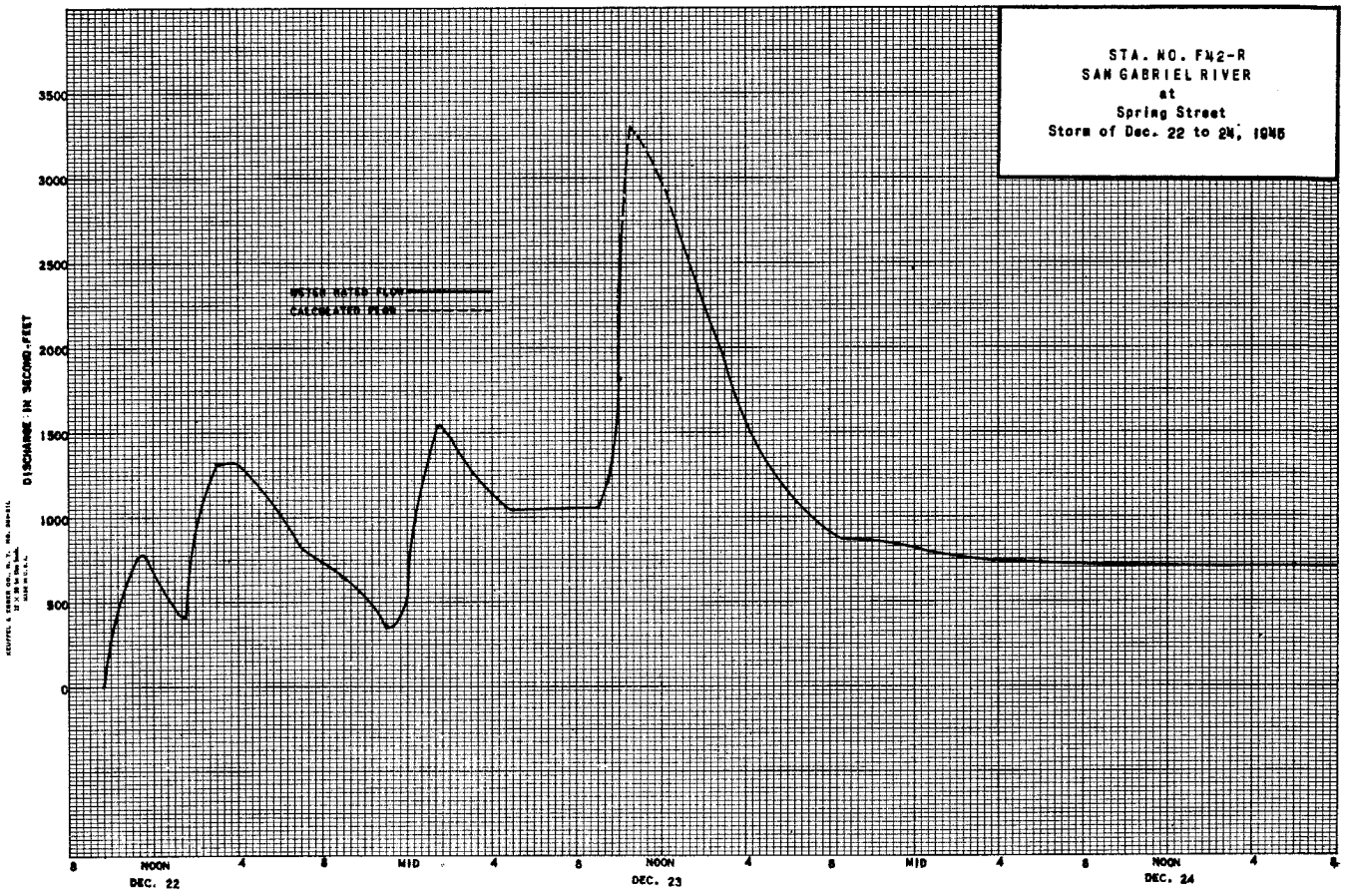
Sta. No. F 42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2100	12	6.6	0	0	0	0	0	0
2	0	0	0	312	6.0	6.0	0	0	0	0	0	0
3	0	0	0	80	8.6	7.6	0	0	0	0	0	0
4	0	0	0	b 66	9.2	9.7	0	0	0	0	0	0
5	0	0	0	b 53	10	8.6	0	0	0	0	0	0
6	0	0	0	b 44	10	21	0	0	0	0	0	0
7	0	0	24	b 34	12	15	0	0	0	0	0	0
8	0	0	0	b 24	15	12	0	0	0	0	0	0
9	0	0	0	17	20	16	0	0	0	0	0	0
10	0	0	0	15	30	14	0	0	0	0	0	0
11	0	0	0	16	19	10	0	0	0	0	0	0
12	0	0	0	17	20	9.2	0	0	0	0	0	0
13	0	0	0	20	18	8.1	0	0	0	0	0	0
14	0	0	0	9.7	17	6.6	0	0	0	0	0	0
15	0	0.5	0	11	14	7.1	0	0	0	0	0	0
16	0	0	0	11	16	2.5	0	0	0	0	0	0
17	0	0	0	15	16	4.0	0	0	0	0	0	0
18	0	0	0	13	15	2.0	0	0	0	0	0	0
19	0	0	0	13	14	0.5	0	0	0	0	0	0
20	0	0	0	17	14	0	0	0	0	0	0	0
21	0	2.4	0	13	13	2.0	0	0	0	0	0	0
22	0	0	0	15	12	5.5	0	0	0	0	0	0
23	0	30	0	11	13	4	0	0	0	0	0	0
24	0	42	0	13	11	4.0	0	0	0	0	0	0
25	0	+	0	16	11	2.0	0	0	0	0	0	0
26	0	0	420	8.1	10	0	0	0	0	0	0	0
27	0	0	78	9.2	12	0	0	0	0	0	0	0
28	0	0	735	17	11	0	0	0	0	0	0	0
29	0	0	2330	29		0	0	0	0	0	0	0
30	0	0	2340	19		0	0	0	0	0	0	0
31	0		2520	16		0		0		0	0	
	0	74.9	8447.0	3054.0	388.8	184.0	0	0	0	0	0	0
MEAN	0	2.50	272.5	98.5	13.9	5.93	0	0	0	0	0	0
ACRE-FEET	0	149	16,750	6,060	771	365	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 33.3
ACRE-FEET 24,100



STATION FW8-R
SAN JOSE CREEK at Workman Mill Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'24", LONG. 118°02'05", ON THE DOWNSTREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT 3 MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 214.85.

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, 1945 TO SEPTEMBER 30, 1947.

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, 1947. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1390 SECOND-FEET, DECEMBER 23.
MINIMUM 1.2 SECOND-FEET, JUNE 28.

1946-1947
MAXIMUM 833 SECOND-FEET, DECEMBER 26.
MINIMUM 0.6 SECOND-FOOT, SEPTEMBER 9.

1928-1947
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, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
636	10/4	128P / 140P	BREWSTER	9.0	3.45	1.39	0.84	4.8		.6	5	0	FC12
637	10/18	123P / 135P	"	9.0	3.95	1.11	0.86	4.4		.6	5	0	"
638	11/1	1218P / 1230P	BREWSTER DILLEY	10.0	4.00	1.08	0.86	4.3		.6	5	0	"
639	11/15	1255P / 107P	BREWSTER	9.0	3.05	1.11	0.85	3.4		.6	5	0	"
640	11/29	1218P / 1230P	"	9.0	3.25	0.98	0.86	3.2		.6	5	0	"
641	12/13	1230P / 1242P	"	10.0	3.40	1.00	0.82	3.4		.6	5	0	"
642	12/20	103P / 115P	"	10.0	3.40	1.00	0.78	3.4		.6	5	0	"
643	12/22	751A / 805A	"	52.0	57.8	3.15	2.22	182.		.6	6	+.03	"
644	12/23	356P / 410P	"	54.0	65.2	2.88	2.38	188.		.6	7	-.04	"
645	12/24	400P / 410P	"	16.0	8.30	1.60	1.03	13.3		.6	5	0	"
646	12/27	245P / 300P	"	12.0	6.40	1.48	0.93	9.5		.6	6	0	"
647	1/3	1246P / 100P	"	12.0	4.80	1.58	0.97	7.6		.6	6	0	"
648	1/10	1205P / 1217P	"	12.0	6.00	1.25	0.95	7.5		.6	7	0	"
649	1/17	1225P / 1241P	"	12.0	6.20	1.32	0.88	8.2		.6	6	0	"
650	1/24	1205P / 1220P	"	12.0	5.20	1.42	0.90	7.4		.6	6	0	"
651	1/31	1210P / 1222P	"	16.0	8.00	1.35	1.04	10.8		.6	5	+.03	"
652	2/3	240P / 255P	"	46.0	52.2	3.52	2.28	184.		.6	6	+.03	"
653	2/4	235P / 245P	"	18.0	8.50	1.52	0.89	12.9		.6	5	0	"
654	2/7	1220P / 1232P	"	17.0	7.95	1.19	0.85	9.5		.6	5	0	"
655	2/14	1245P / 100P	"	13.0	6.25	1.22	0.82	7.6		.6	7	0	"
656	2/21	1205P / 1220P	"	12.0	6.60	1.27	0.85	8.4		.6	6	0	"
657	2/28	1202P / 1218P	"	13.0	6.35	1.40	0.83	8.9		.6	7	0	"
658	3/7	1216P / 1232P	"	14.0	6.20	1.35	0.84	8.4		.6	7	0	"
659	3/14	1204P / 1216P	BREWSTER	14.0	5.68	1.53	0.85	8.7		.6	7	0	FC12
660	3/20	405P / 416P	WADDICOR HOLMES	21.0	14.6	2.08	1.20	30.4		.6	10	0	FC22
661	3/21	1214P / 1230P	BREWSTER	24.0	7.84	1.35	0.88	10.6		.6	7	0	FC12
662	3/28	1100A / 1120A	"	13.0	7.19	1.86	0.98	13.4		.6	7	-.01	"
663	3/30	905A / 920A	COLE HOLMES	57.0	49.9	2.32	2.00	116.		.6	10	+.02	FC20
664	3/30	1140A / 1150A	BREWSTER COOLEY	60.0	80.7	3.75	2.64	303.		.6	7	+.11	FC12
665	3/31	146P / 200P	BREWSTER COOLEY	32.0	20.8	1.68	1.18	34.9		.6	8	0	"
666	4/4	1144A / 1158A	BREWSTER	22.0	9.46	1.22	0.86	11.5		.6	6	-.01	"
667	4/11	1204P / 1218P	"	22.0	8.00	1.10	0.83	8.8		.6	6	0	"
668	4/18	1207P / 1221P	"	16.0	7.16	1.26	0.86	9.0		.6	6	0	"
669	4/25	1219P / 1235P	"	22.0	8.06	1.05	0.87	8.5		.6	7	0	"
670	5/2	1240P / 1251P	"	14.0	5.50	1.18	0.85	6.5		.6	5	0	"
671	5/9	1223P / 1239P	"	15.0	7.25	1.08	0.94	7.8		.6	7	0	"
672	5/16	1245P / 100P	"	16.0	7.20	1.07	0.94	7.7		.6	8	0	"
673	5/23	1237P / 1253P	"	16.0	7.20	1.06	0.97	7.6		.6	8	0	"
674	5/31	106P / 121P	"	13.0	5.06	1.48	0.95	7.5		.6	7	0	"
675	6/7	1225P / 1240P	"	14.0	4.80	0.75	0.95	3.6		.6	7	0	"
676	6/13	101P / 115P	"	12.0	6.20	0.80	1.13	5.0		.6	6	0	"
677	6/20	1210P / 1220P	"	8.0	3.60	0.83	0.98	3.0		.6	4	0	"
678	6/27	1220P / 1232P	"	10.0	3.56	0.96	1.06	3.4		.6	5	0	"
679	7/5	1210P / 1225P	"	13.0	5.80	0.81	1.05	4.7		.6	7	0	"
680	7/11	1142A / 1154A	"	12.0	4.48	0.80	0.99	3.6		.6	6	0	"
681	7/18	1140A / 1150A	"	6.0	2.85	1.12	1.00	3.2		.6	4	0	"
682	7/25	1205P / 1215P	BREWSTER	7.0	3.05	1.28	1.06	3.9		.6	4	0	FC12
683	8/1	1245P / 1252P	BREWSTER BONADIMAN	9.0	2.68	1.12	1.03	3.0		.6	5	0	"
684	8/8	100P / 110P	BONADIMAN	7.0	3.73	1.04	1.09	3.9		.6	4	0	FC19
685	8/15	1231P / 1239P	"	7.0	2.90	1.03	1.02	3.0		.6	5	0	"
686	8/22	1202P / 1212P	"	8.0	3.24	1.14	1.02	3.7		.6	6	0	"
687	8/29	1142A / 1154A	BREWSTER	9.0	3.17	1.04	0.98	3.3		.6	5	+.01	FC12
688	9/5	1135A / 1145A	"	8.0	2.24	1.12	0.97	2.5		.6	4	0	"
689	9/12	1143A / 1152A	"	9.0	2.85	1.02	1.00	2.9		.6	5	0	"
690	9/19	1105A / 1115A	"	9.0	2.80	0.93	0.97	2.6		.6	5	0	"
691	9/26	1120A / 1130A	"	9.0	2.93	1.26	1.00	3.7		.6	5	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK

AT NEAR Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
692	10-3	1149A / 1158A	BREWSTER	9.0	3.00	1.23	0.95	3.7		.6	5	0	FC12
693	10-10	1205P / 1217P	"	9.0	3.00	0.87	0.95	2.6		.6	5	0	"
694	10-17	1135A / 1147A	"	9.0	2.28	1.27	0.97	2.9		.6	5	0	"
695	10-24	1203P / 1215P	"	10.0	2.60	1.19	0.93	3.1		.6	5	0	"
696	10-31	1238P / 1250P	"	9.0	2.57	1.05	0.95	2.7		.6	5	0	"
697	11-7	1248P / 100P	"	10.0	2.68	1.01	0.99	2.7		.6	5	0	"
698	11-12	1150A / 1202P	"	20.0	10.0	1.30	1.34	13.0		.6	5	-.01	"
699	11-13	324P / 340P	BREWSTER - VINES	44.0	51.7	3.15	2.22	163.		.6	7	-.05	"
700	11-14	305P / 320P	" "	36.0	41.3	2.40	1.91	99.0		.6	7	-.02	"
701	11-15	1203P / 1215P	BREWSTER	12.0	7.80	1.03	0.94	8.0		.6	6	0	"
702	11-20	100P / 110P	"	46.0	43.0	2.79	2.01	120.		.6	5	-.02	"
703	11-21	340P / 350P	"	10.0	3.40	1.88	0.86	6.4		.6	5	0	"
704	11-23	140P / 155P	"	58.0	84.4	3.26	2.58	275.		.6	6	-.04	"
705	11-24	1228P / 1240P	BREWSTER-JOHNSON	24.0	10.4	1.25	1.02	13.0		.6	6	0	"
706	11-29	1059A / 1108A	BREWSTER	10.0	3.00	1.64	0.83	4.9		.6	5	0	"
707	12-5	1140A / 1155A	"	12.0	4.40	1.25	0.82	5.5		.6	6	0	"
708	12-12	1110A / 1126A	"	11.0	3.96	1.31	0.80	5.2		.6	6	0	"
709	12-19	1205P / 1220P	"	11.0	4.76	1.39	0.82	6.6		.6	6	0	"
710	12-26	1138A / 1150A	BREWSTER - VINES	44.0	50.0	2.74	2.09	137.		.6	8	-.08	"
711	12-26	245P / 300P	" "	26.0	26.7	3.06	1.64	81.7		.6	7	-.01	"
712	12-27	1120A / 1130A	" "	24.0	10.8	1.67	1.02	18.0		.6	6	0	"
713	12-27	202P / 216P	KASIMOFF - HAIG	16.0	12.0	2.34	1.11	28.1		.6	9	0	FC47
714	1-3	1225P / 1235P	BREWSTER	12.0	4.60	1.61	0.90	7.4		.6	6	0	FC12
715	1-9	1204P / 1216P	"	20.0	6.56	1.20	0.90	7.9		.6	6	0	"
716	1-16	1218P / 1230P	"	20.0	6.56	1.23	0.91	8.1		.6	6	0	"
717	1-23	1204P / 1230P	"	12.0	5.00	1.46	0.91	7.3		.6	6	0	"
718	1-30	1210P / 1225P	"	11.0	4.75	1.52	0.90	7.2		.6	6	0	"
719	2-6	1202P / 1218P	"	12.0	5.00	1.66	0.90	8.3		.6	6	0	"
720	2-13	1217P / 1233P	"	12.0	4.55	1.76	0.90	8.0		.6	7	0	"
721	2-20	103P / 113P	BREWSTER-WADDICOR	12.0	4.80	1.67	0.89	8.0		.6	6	0	"
722	2-26	1255P / 105P	WADDICOR	12.0	4.32	1.51	0.90	6.5		.6	6	0	FC37
723	3-5	1232P / 1242P	"	12.5	8.90	1.82	1.03	16.2		.6	7	-.01	"
724	3-12	1240P / 1250P	"	12.8	5.66	1.45	0.87	8.2		.6	7	0	"
725	3-19	105P / 115P	"	14.0	6.77	1.20	0.87	8.1		.6	8	0	"
726	3-26	1240P / 1250P	"	11.7	4.85	1.46	0.89	7.1		.6	7	0	"
727	4-2	105P / 115P	"	11.0	4.53	1.54	0.90	7.0		.6	6	0	"
728	4-9	1220P / 1230P	"	14.0	8.92	1.13	0.93	10.1		.6	7	0	"
729	4-17	236P / 246P	"	12.0	5.88	1.33	0.95	7.8		.6	6	0	"
730	4-24	210P / 218P	"	10.2	4.68	1.02	0.91	4.8		.6	6	0	"
731	4-30	100P / 110P	"	7.7	3.86	0.98	0.94	3.8		.6	6	0	"
732	5-7	1255P / 105P	"	7.0	3.28	0.73	1.01	2.4		.6	7	0	"
733	5-14	120P / 130P	"	7.5	3.20	1.31	0.86	4.2		.6	6	0	"
734	5-21	150P / 200P	"	7.0	3.35	1.04	0.91	3.5		.6	7	0	"
735	5-29	145P / 155P	"	7.5	3.64	0.74	0.92	2.7		.6	5	0	"
736	6-5	146P / 156P	"	7.7	3.67	0.98	0.93	3.6		.6	5	0	"
737	6-12	212P / 222P	"	7.9	4.13	0.70	0.92	2.9		.6	6	0	"
738	6-19	220P / 230P	"	7.5	3.03	0.82	0.92	2.5		.6	5	0	"
739	6-25	210P / 220P	"	6.6	2.53	0.95	0.89	2.4		.6	7	0	"
740	7-3	205P / 210P	"	7.5	3.03	0.96	0.88	2.9		.6	5	0	"
741	7-10	200P / 210P	"	7.0	2.88	0.73	0.90	2.1		.6	5	0	"
742	7-17	200P / 210P	"	7.7	3.20	0.91	0.92	2.9		.6	5	0	"
743	7-24	135P / 145P	"	8.4	2.50	1.08	0.93	2.7		.6	5	0	"
744	7-31	155P / 205P	"	8.7	2.50	1.00	0.90	2.5		.6	5	0	"
745	8-7	1135A / 1145A	BREWSTER	10.0	2.56	0.94	0.86	2.4		.6	5	0	FC12
746	8-11	1240P / 1250P	"	10.0	2.64	0.95	0.86	2.5		.6	5	0	"
747	8-21	1145A / 1156A	"	10.0	2.24	0.85	0.87	1.9		.6	5	0	"
748	8-28	135P / 145P	WADDICOR	9.0	2.57	0.97	0.91	2.5		.6	6	0	FC37
749	9-4	120P / 130P	"	8.2	1.81	1.00	0.83	1.8		.6	5	0	"
750	9-11	125P / 135P	"	9.0	1.81	0.86	0.82	1.6		.6	6	0	"
751	9-18	135P / 145P	"	9.5	2.06	0.82	0.80	1.7		.6	7	0	"
752	9-25	210P / 218P	"	10.5	1.82	0.77	0.80	1.4		.6	6	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F48-R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.3	4.0	2.9	7.1	6.0	8.4	17	6.0	6.5	2.7	3.3	3.5
2	3.8	3.8	2.9	6.5	6.5	8.1	16	6.5	5.2	3.1	3.3	2.7
3	4.0	3.8	2.2	7.1	4.3	8.1	13	6.5	5.2	3.3	3.1	2.0
4	4.2	3.3	2.4	7.4	b 1.5	8.4	12	5.5	5.0	3.8	2.4	2.2
5	4.0	3.3	2.4	7.4	1.1	8.1	10	6.0	3.3	3.6	2.7	2.4
6	4.0	3.5	2.7	7.1	9.7	8.1	10	6.8	3.5	2.9	2.2	2.4
7	2.9	4.0	2.9	7.1	9.0	8.4	9.7	6.6	4.0	2.4	2.2	2.9
8	2.9	3.5	3.1	7.1	9.0	8.4	9.4	7.4	2.7	3.1	3.1	2.4
9	3.3	3.3	3.1	7.4	8.4	7.4	9.0	7.4	2.0	3.5	2.0	2.0
10	3.3	3.3	2.9	7.4	8.7	7.4	9.0	7.6	2.2	3.5	2.2	2.4
11	3.1	3.1	2.9	7.8	8.4	8.1	8.7	7.8	2.4	4.0	2.2	2.9
12	2.9	3.1	3.3	7.8	8.4	8.4	8.7	7.4	2.9	3.5	2.4	2.9
13	4.0	3.1	3.3	7.6	7.8	8.7	8.4	7.4	2.6	3.8	2.7	2.4
14	3.5	3.3	3.5	7.8	7.5	8.4	8.4	7.6	2.0	3.5	3.1	3.1
15	3.3	3.3	3.3	7.8	8.1	8.7	8.4	7.4	2.4	3.6	3.1	3.5
16	3.5	3.3	3.1	8.1	8.1	9.0	8.7	7.6	3.5	3.3	2.9	2.4
17	4.0	3.3	3.1	7.9	7.8	9.0	8.1	8.1	3.8	3.1	3.1	2.9
18	3.5	3.3	3.3	8.1	8.4	9.4	8.7	8.7	4.0	3.1	2.7	3.3
19	3.5	3.1	3.3	8.7	9.0	9.7	8.4	8.1	3.1	3.5	2.7	2.9
20	3.1	2.7	3.4	8.4	8.1	1.7	7.8	7.6	3.3	3.3	3.1	2.7
21	3.1	2.7	2.9	8.1	8.1	1.1	8.1	7.4	4.7	3.1	3.3	2.9
22	3.1	2.7	2.64	7.8	8.1	8.1	7.4	7.4	3.5	3.3	3.3	3.3
23	3.5	2.4	3.66	8.1	7.8	7.8	8.4	7.1	2.7	2.9	3.1	2.4
24	3.3	2.4	b 1.9	7.8	9.0	7.8	9.0	7.4	2.2	2.7	2.9	2.7
25	3.8	2.7	1.2	7.4	9.0	7.4	8.4	7.6	2.0	3.1	2.9	2.9
26	3.5	2.4	9.7	7.8	9.0	7.8	7.8	7.4	2.0	4.2	2.9	2.9
27	3.8	2.7	9.4	6.8	9.0	8.1	7.1	7.6	2.7	3.5	3.6	2.9
28	3.6	2.9	9.7	6.5	8.6	9.7	6.5	8.4	1.6	3.1	3.6	2.9
29	3.5	2.9	9.0	6.3		9.0	6.3	8.4	2.4	2.7	3.5	2.9
30	4.0	2.9	8.4	6.5		1.9.3	6.3	7.4	2.0	3.1	3.1	2.9
31	3.8		7.4	6.3		b 4.3		7.1		3.1	3.3	
	109.3	94.1	623.6	231.2	276.8	409.9	274.7	228.6	95.5	101.8	90.4	82.6
MEAN	3.52	3.14	26.6	7.46	9.89	15.8	9.16	7.37	3.18	3.28	2.92	2.75
ACRE-FEET	217.	187.	1,630.	459.	549.	972.	545.	453.	189.	202.	179.	164.

Remarks:

YEAR OR PERIOD MEAN 7.94
ACRE-FEET 5,750.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

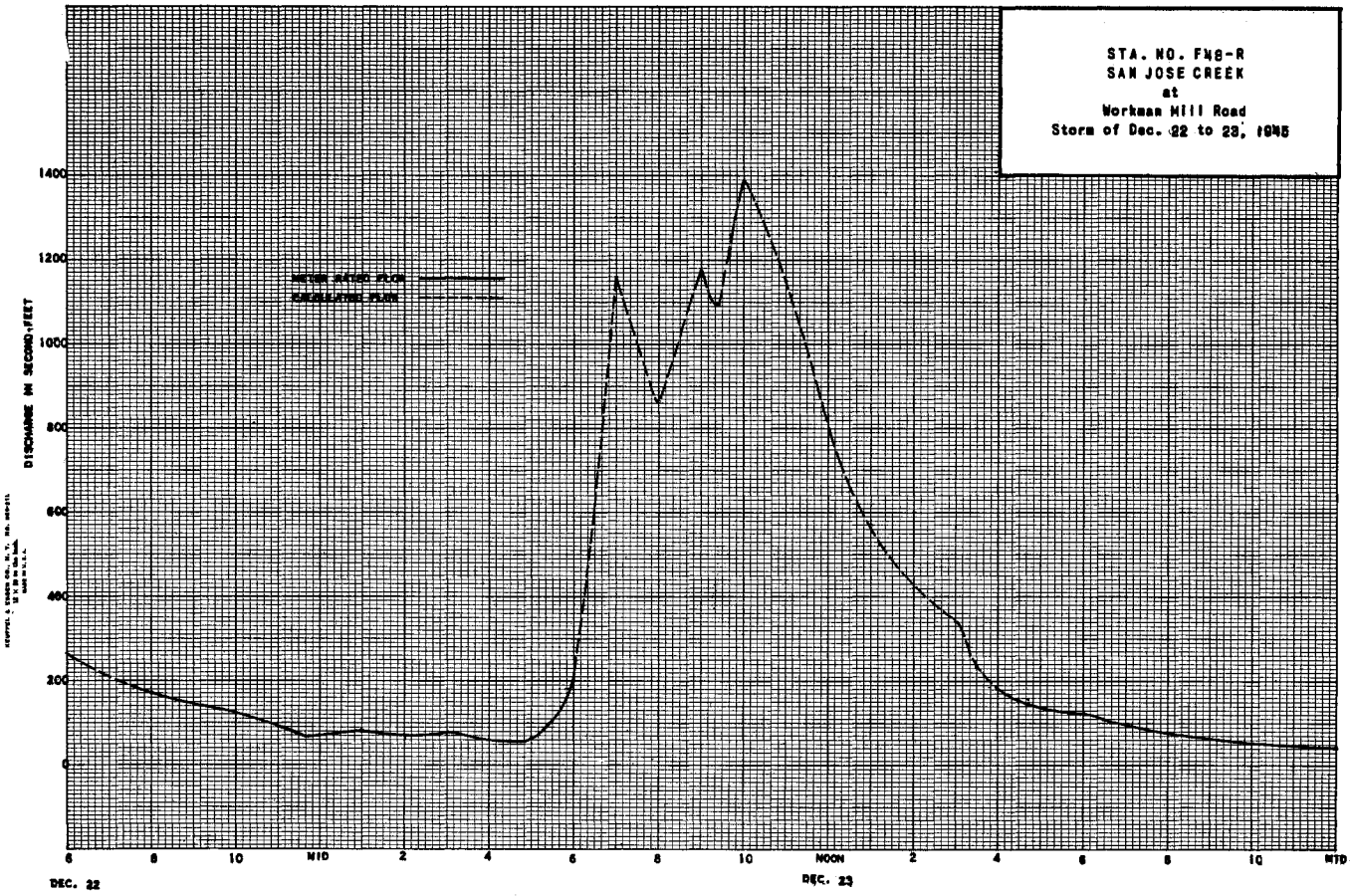
Sta. No. F 48-R

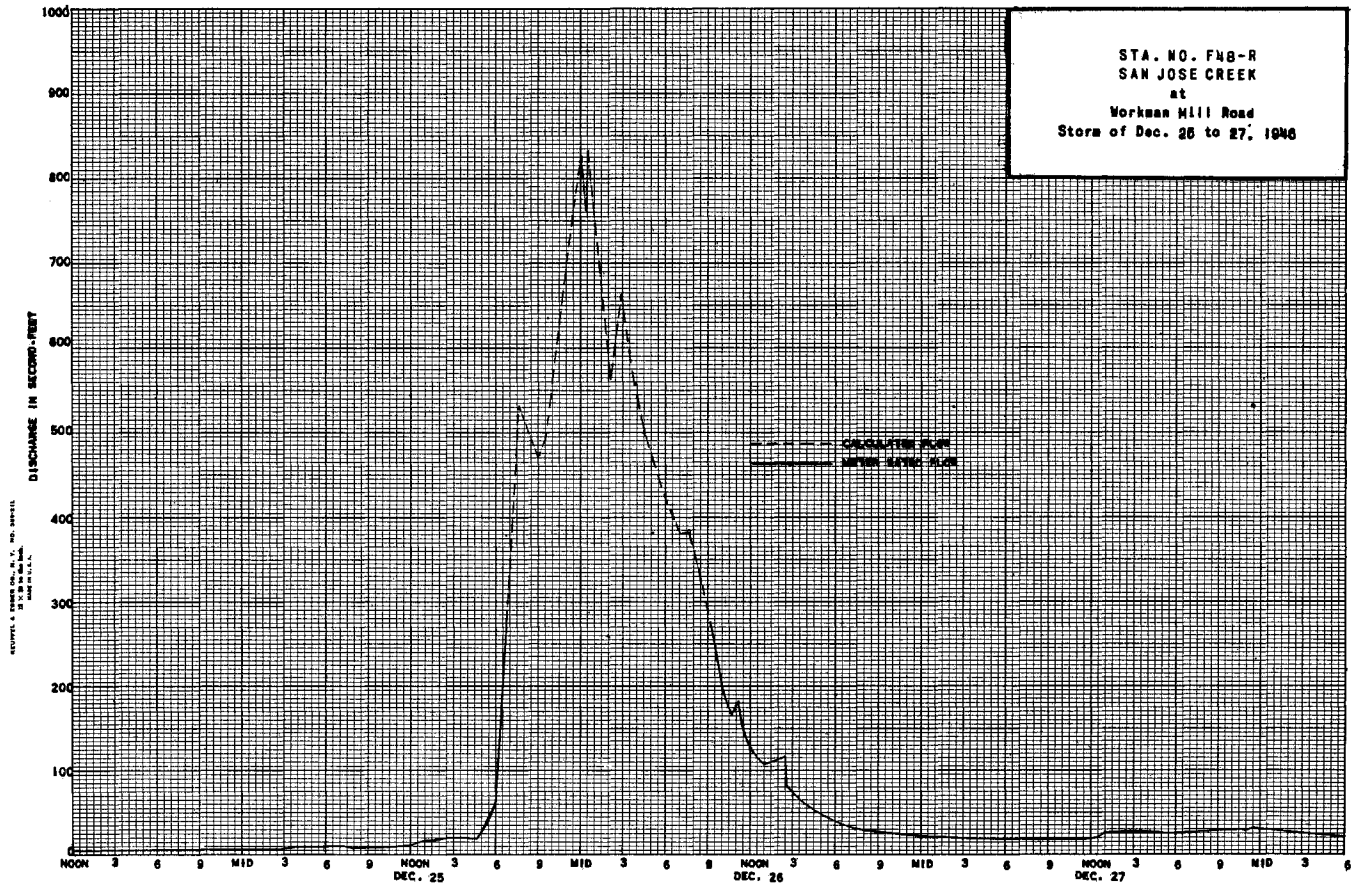
Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	2.7	5.2	10	7.1	8.1	7.1	4.0	2.4	3.3	2.0	2.2
2	4.5	2.7	5.0	8.7	7.1	8.7	7.1	3.5	2.7	3.3	2.7	2.0
3	3.8	2.4	5.5	7.1	7.4	9.0	7.1	3.5	3.3	2.9	2.0	1.8
4	3.6	2.2	6.3	7.1	7.8	9.4	7.8	2.9	2.9	2.2	2.0	1.8
5	3.3	2.2	6.3	7.4	8.1	12	6.8	3.3	2.9	2.0	2.7	1.6
6	2.9	2.4	9.3	7.4	8.4	9.7	7.8	3.3	3.1	2.2	2.4	1.2
7	2.4	2.2	6.5	7.4	8.4	9.4	8.7	2.7	2.9	2.2	2.7	1.2
8	2.7	2.7	6.0	7.8	8.4	9.4	9.0	3.8	3.5	2.4	2.7	1.2
9	2.9	1.8	6.8	7.8	9.0	9.0	9.4	3.5	3.5	1.8	3.3	1.4
10	2.4	1.8	7.1	7.8	8.7	8.7	8.7	5.1	3.1	1.6	2.4	1.6
11	2.2	2.0	6.8	7.8	8.1	8.4	7.8	4.0	2.9	1.8	2.4	1.2
12	2.2	2.7	6.3	7.6	8.1	8.1	7.1	3.5	2.9	1.6	2.2	1.6
13	2.4	1.78	5.2	7.8	8.1	8.1	6.5	3.5	3.3	1.6	2.7	1.4
14	2.7	6.0	5.5	7.8	8.1	8.1	6.0	3.5	3.1	1.6	2.7	1.2
15	2.7	1.1	6.3	7.8	8.1	8.1	6.0	3.5	3.1	2.2	2.7	1.2
16	2.7	8.1	6.8	7.8	8.1	8.1	6.0	3.3	2.2	2.9	2.4	1.4
17	3.3	9.0	6.8	7.8	8.4	8.1	6.0	3.3	2.9	2.9	2.2	1.8
18	2.7	8.7	7.4	7.4	8.4	8.1	5.0	2.4	3.3	2.7	2.4	1.8
19	2.7	8.7	7.1	7.4	8.4	8.1	5.2	2.2	2.7	2.9	2.2	1.6
20	2.9	5.1	6.3	7.4	8.1	7.6	4.7	3.3	2.0	2.2	2.2	1.6
21	3.1	9.9	6.3	7.1	8.1	8.1	4.7	3.1	2.4	2.0	2.0	1.6
22	3.3	6.0	6.0	7.1	7.8	7.8	4.7	2.9	2.4	2.2	1.8	1.4
23	3.3	1.31	6.0	7.1	7.4	7.4	4.7	2.7	1.8	2.4	1.6	1.6
24	3.3	1.7	6.3	7.4	7.8	6.8	4.2	2.2	2.0	2.4	2.0	1.2
25	3.8	9.4	1.38	7.1	7.1	6.8	4.5	2.0	2.4	2.2	2.9	1.4
26	3.3	7.8	2.50	7.1	6.8	6.8	4.7	2.4	2.7	2.4	2.4	1.4
27	3.5	6.3	2.2	7.1	7.1	7.1	4.0	2.4	2.4	1.8	2.7	1.6
28	3.1	5.5	2.0	9.0	7.4	7.4	3.8	2.4	2.4	1.8	2.2	1.6
29	3.1	5.0	1.5	8.4		7.4	4.5	2.4	2.7	2.2	2.2	1.6
30	2.9	5.2	1.2	7.1		7.1	4.2	3.1	2.9	2.7	2.4	1.6
31	2.7		1.1	7.1		7.1		2.4		2.4	2.4	
	94.6	58.9.7	621.1	236.9	221.8	254.2	183.8	96.1	82.8	70.8	73.6	45.8
MEAN	3.05	19.7	20.0	7.64	7.92	8.20	6.13	3.10	2.76	2.28	2.37	1.53
ACRE-FEET	188	1,170	1,230	470	440	504	365	191	164	140	146	91

Remarks:

YEAR OR PERIOD MEAN 7.04
ACRE-FEET 5,100


STA. NO. FW8-R
SAN JOSE CREEK
at
Workman Hill Road
Storm of Dec. 22 to 23, 1945
DISCHARGE IN SECOND-FEET
1400
1200
1000
800
600
400
200
0
6 8 10 MID 2 4 6 8 10 NOON 2 4 6 8 10 MID
DEC. 22
DEC. 23


STA. NO. FW8-R
SAN JOSE CREEK
at
Workman Hill Road
Storm of Dec. 26 to 27, 1945
DISCHARGE IN SECOND-FEET
1000
900
800
700
600
500
400
300
200
100
0
NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID 3 6 9 NOON 3 6 9 MID 3 6
DEC. 25
DEC. 26
DEC. 27

STATION U4-R
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 118°01'00", IN SW 1/4 NE 1/4 SEC. 10, T 1 N., R. 11 W., AT HEAD OF HERMITS FALLS, 1 MILE UPSTREAM FROM BIG SANTA ANITA DAM, AND 4 MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE, ABOUT 1,475 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY, 1916 TO SEPTEMBER, 1947.

AVERAGE DISCHARGE: 30 YEARS, 6.46 SECOND-FEET.

EXTREMES:

1945-1946
MAXIMUM 460 SECOND-FEET, DECEMBER 23. (GAGE HEIGHT, 4.86 FEET).
MINIMUM DAILY 0.5 SECOND-FOOT, AUGUST 18, 19, SEPTEMBER 13-15.

1946-47
MAXIMUM 346 SECOND-FEET, NOVEMBER 20 (GAGE HEIGHT, 4.32 FEET).
MINIMUM DAILY 0.5 SECOND-FOOT, SEPTEMBER 2-7, 13-16, 26-28.

1916-1947
MAXIMUM DISCHARGE, ABOUT 5,200 SECOND-FEET, MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.
PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

~~MAP NUMBER~~ above Santa Anita Dam ...DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
985	10-3		U.S.G.S.	5.5	2.73	.29	.37	.78		.6	12	0	
986	10-11		"	5.7	3.34	.43	.43	1.43		.6	12	0	
987	10-19		"	5.6	3.21	.45	.43	1.46		.6	8	0	
988	10-26		"	5.5	3.15	.35	.40	1.10		.6	12	0	
989	11-1		"	5.6	3.70	.48	.47	1.79		.6	12	0	
990	11-7		"	5.5	3.55	.48	.48	1.70		.6	14	0	
991	11-16		"	6.7	3.82	.41	.46	1.58		.6	16	0	
992	11-21		"	5.0	2.96	.50	.44	1.48		.6	10	0	
993	11-28		"	4.9	2.88	.48	.44	1.38		.6	11	0	
994	12-4		"	4.9	2.88	.48	.44	1.38		.6	11	0	
995	12-12		"	4.8	2.88	.50	.45	1.43		.6	10	0	
996	12-20		"	4.8	2.92	.50	.44	1.45		.6	10	0	
997	12-28		"	11.	8.8	.84	.83	7.4		.6	22	0	
998	1-5		"	10.6	7.5	.75	.69	5.6		.6 .8	10	0	
999	1-10		"	10.5	9.7	.46	.64	4.42		.6 .8	9	0	
1000	1-17		"	10.	6.1	.58	.61	3.56		.6	10	0	
1001	1-24		"	10.2	5.7	.52	.59	2.95		.6 .8	10	0	
1002	1-31		"	9.0	4.76	.50	.57	2.39		.6	10	0	
1003	2-7		"	7.0	7.2	.52	.63	3.72		.6 .8	14	0	
1004	2-14		"	6.4	6.9	.44	.59	3.03		.6 .8	8	0	
1005	2-21		"	8.2	5.6	.59	.58	3.33		.6	11	0	
1006	2-26		"	8.2	5.2	.55	.56	2.86		.6	10	0	
1007	3-7		"	8.0	5.0	0.59	0.55	2.95		.6	12	0	
1008	3-14		"	6.2	4.08	.77	.59	3.13		.6	25	0	
1009	3-20		"	9.0	8.1	.69	.76	5.6		.6 .8	15	0	
1010	3-28		"	11.	8.4	.74	.75	6.2		.6 .8	11	0	
1011	4-3		"	14.	14.8	1.16	1.15	17.5		.6 .8	14	-.01	
1012	4-12		"	13	8.5	1.05	.85	8.9		.6 .8	11	0	
1013	4-19		"	10.7	7.7	.79	.78	6.1		.6 .8	11	0	
1014	4-25		"	11.1	7.5	.73	.72	5.5		.6 .8	10	0	
1015	5-2		"	10.8	7.0	.65	.68	4.55		.6 .8	11	0	
1016	5-9		"	10.4	5.8	.74	.66	4.31		.6	11	0	
1017	5-17		"	10.3	5.7	.70	.65	3.98		.6	12	0	
1018	5-23		"	10.	5.5	.69	.64	3.81		.6	10	0	
1019	5-31		"	9.6	4.54	.67	.59	2.98		.6	12	0	
1020	6-7		"	9.3	4.80	.54	.57	2.59		.6	12	0	
1021	6-11		"	3.5	1.72	1.19	.54	2.04		.6	7	0	
1022	6-18		"	3.3	1.59	1.11	.51	1.77		.6	6	0	
1023	6-25		"	3.4	1.57	1.11	.50	1.75		.6	7	0	
1024	7-5		"	4.0	1.78	1.10	.50	1.96		.6	9	0	
1025	7-9		"	3.7	1.41	.87	.47	1.23		.6	7	0	
1026	7-16		"	3.5	1.32	.73	.42	.96		.6	7	0	
1027	7-24		"	3.7	1.39	.76	.44	1.05		.6	7	0	
1028	7-31		"	3.6	1.36	.65	.41	.89		.6	7	0	
1029	8-9		"	3.2	1.28	0.75	0.40	0.96		.6	7	0	
1030	8-16		"	3.1	1.04	.63	.37	.66		.6	6	0	
1031	8-22		"	3.1	1.06	.68	.36	.72		.6	6	0	
1032	8-30		"	2.2	.85	.98	.37	.83		.6	7	0	
1033	9-6		"	2.2	.88	.86	.36	.76		.6	7	0	
1034	9-19		"	3.3	1.30	.51	.36	.66		.6	7	0	
1035	9-26		"	2.0	.88	.68	.34	.60		.6	8	0	

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK

~~AT~~ NEAR above Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1036	10-3		U.S.G.S.	3.6	1.58	0.99	0.46	1.56		.6	7	0	
1037	10-10		"	2.1	0.99	1.13	0.42	1.12		.6	6	0	
1038	10-17		"	2.4	1.40	1.26	0.47	1.76		.6	6	0	
1039	10-24		"	2.5	1.36	0.96	0.43	1.30		.6	7	+.01	
1040	10-31		"	1.9	1.02	1.41	0.47	1.44		.6	6	0	
1041	11-6		"	1.9	0.88	1.38	0.46	1.21		.6	6	0	
1042	11-21		"	13.5	21.8	1.33	1.44	29.1		.2 6-8	7	0	
1043	11-26		"	13	15.3	0.99	1.09	15.1		.6	12	0	
1044	12-4		"	5.1	3.87	1.96	0.79	7.6		.6	6	0	
1045	12-11		"	4.0	2.67	1.87	0.73	5.0		.6	8	0	
1046	12-18		"	5.2	2.72	1.62	0.68	4.41		.6	9	0	
1047	12-23		"	4.5	2.42	1.77	0.65	4.29		.6	9	0	
1048	1-2		"	17	20.3	1.17	1.28	23.8		.6 2-8	17	0	
1049	1-8	1045A / 1100A	MOON	11.5	11.2	1.37	1.05	15.4		.6	11	0	FC22
1050	1-10	810A / 822A	"	11.5	11.1	1.27	1.01	14.1		.6	11	0	FC22
1051	1-13	820A / 835A	"	11.0	10.4	1.21	0.98	12.6		.6	11	0	FC22
1052	1-15	910A / 922A	"	11.0	10.0	1.18	0.95	11.8		.6	11	0	FC22
1053	1-15		U.S.G.S.	6.0	5.4	1.91	0.95	10.3		.6	6	0	
1054	1-17	815A / 830A	MOON	11.0	9.9	1.07	0.92	10.6		.6	11	0	FC22
1055	1-20	850A / 905A	"	11.0	9.6	1.00	0.88	9.6		.6	12	0	"
1056	1-22	934A / 947A	"	9.6	8.5	1.08	0.86	9.2		.6	11	0	"
1057	1-24	835A / 850A	"	9.6	8.4	0.93	0.84	7.8		.6	11	0	"
1058	1-27	900A / 915A	"	9.6	8.0	0.95	0.82	7.6		.6	11	0	"
1059	1-29	910A / 925A	"	9.7	8.7	1.10	0.89	9.6		.6	11	0	"
1060	1-29		U.S.G.S.	5.5	5.2	2.08	0.89	10.8		.6	11	0	
1061	2-5	1005A / 1020A	MOON	9.7	8.0	0.90	0.79	7.2		.6	11	0	FC22
1062	2-10		U.S.G.S.	5.0	4.2	1.50	0.80	6.3		.6	9	0	
1063	2-13	1000A / 1015A	MOON	9.6	7.4	0.88	0.76	6.5		.6	10	0	FC22
1064	2-19	909A / 919A	"	9.6	7.1	0.85	0.76	6.0		.6	11	0	"
1065	2-26		U.S.G.S.	4.6	2.84	1.74	0.73	4.94		.6	8	0	
1066	2-26	120P / 130P	MOON	9.3	6.5	0.74	0.73	4.8		.6	10	0	FC22
1067	3-5	100P / 110P	"	7.6	4.68	1.03	0.73	4.8		.6	8	0	"
1068	3-12		U.S.G.S.	4.1	2.61	1.63	0.70	4.26		.6	7	0	
1069	3-12	1050A / 1100A	MOON	7.5	4.41	0.93	0.70	4.1		.6	8	0	FC22
1070	3-19	1100A / 1110A	"	7.4	4.31	0.93	0.70	4.01		.6	8	0	"
1071	3-26	1020A / 1030A	"	7.4	4.1	0.93	0.67	3.8		.6	8	0	"
1072	3-26		U.S.G.S.	4.2	2.36	1.65	0.67	3.89		.6	7	0	
1073	4-2	1120A / 1130A	MOON	7.4	4.29	0.93	0.68	4.0		.6	8	0	FC22
1074	4-9	930A / 940A	"	7.5	3.92	0.92	0.65	3.62		.6 .5	8	0	"
1075	4-9		U.S.G.S.	4.2	2.54	1.65	0.65	4.18		.6	8	0	
1076	4-16	1030A / 1035A	MOON	4.9	2.38	1.22	0.60	2.91		.5	5	0	FC22
1077	4-23		U.S.G.S.	4.5	2.60	1.59	0.64	4.13		.6	9	0	
1078	4-24	1000A / 1007A	MOON	4.7	2.59	1.24	0.64	3.2		.5	5	0	FC22
1079	4-30	1210P / 1218P	"	4.6	2.47	1.17	0.63	2.9		.5	5	0	"
1080	5-7		U.S.G.S.	4.0	2.15	1.32	0.59	2.84		.6	8	0	
1081	5-8	1050A / 1055A	MOON SHIPLEY	4.7	2.23	1.08	0.59	2.4		.5	5	0	FC22
1082	5-15	1015A / 1022A	"	4.8	2.39	1.10	0.60	2.63		.5 .6	5	0	"
1083	5-21		U.S.G.S.	4.2	2.17	1.25	0.57	2.72		.6	8	0	
1084	5-22	950A / 957A	MOON	4.8	2.20	1.04	0.57	2.3		.5	5	0	FC22
1085	5-28	115P / 122P	"	4.8	2.23	1.03	0.58	2.3		.5	5	0	"
1086	6-4		U.S.G.S.	4.2	2.16	1.31	0.57	2.83		.6	9	0	
1087	6-5	925P / 932P	MOON SHIPLEY	4.8	2.23	1.03	0.57	2.3		.5	5	0	FC22
1088	6-12	1005A / 1013A	MOON	3.7	2.01	1.22	0.54	2.45		.6	6	0	"
1089	6-12	1045A / 1052A	"	4.8	2.08	0.93	0.54	1.93		.5	5	0	"
1090	6-18		U.S.G.S.	4.2	1.97	0.99	0.52	1.96		.6	8	0	
1091	6-25	1235P / 1245P	MOON	4.0	1.58	1.33	0.52	2.1		.5	7	0	FC22
1092	7-1		U.S.G.S.	4.1	1.62	0.99	0.50	1.60		.6	8	0	
1093	7-9	953A / 1003A	MOON	3.8	1.40	0.86	0.45	1.2		.5		0	FC22
1094	7-15		U.S.G.S.	3.8	1.38	0.85	0.45	1.17		.6	7	0	
1095	7-24	855A / 905A	MOON	3.9	1.34	0.82	0.43	1.1		.5		0	FC22
1096	7-28		U.S.G.S.	3.7	1.27	0.67	0.42	0.85		.6	8	0	
1097	8-7	945A / 955A	MOON	3.7	1.19	0.71	.38	0.84		.5	7	0	FC22
1098	8-11		U.S.G.S.	3.7	1.39	0.73	0.41	1.01		.6	7	0	
1099	8-21	844A / 854A	MOON VAN DER GOOT	4.0	1.35	0.74	0.40	1.0		.5	8	0	FC22
1100	8-25		U.S.G.S.	3.6	1.18	0.70	0.39	0.83		.5 .6	7	+.01	
1101	9-3	1010A / 1020A	STUNDEN	3.5	1.03	0.58	0.35	0.60		.5	7	0	FC36
1102	9-8		U.S.G.S.	3.4	1.17	0.59	0.37	0.69		.6	8	0	
1103	9-18	757A / 812A	STUNDEN	4.0	1.47	0.75	0.44	1.1		.5	7	0	FC40
1104	9-22		U.S.G.S.	3.5	1.23	0.64	0.39	0.79		.6	7	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.8	1.6	5.5	2.4	2.8	30	4.8	2.8	1.7	0.7	0.8
2	0.8	1.6	1.6	5.5	2.4	2.8	23	4.6	2.9	1.8	0.7	0.8
3	0.8	1.3	1.5	6.6	11	2.8	18	4.6	2.8	1.8	0.7	0.7
4	0.9	1.2	1.5	5.5	6.1	2.7	15	4.5	2.6	1.8	0.7	0.7
5	1.0	1.3	1.5	5.7	4.5	2.7	13	4.3	2.3	1.8	0.7	0.7
6	1.1	1.6	1.6	5.0	3.9	2.9	12	4.3	2.3	1.6	0.8	0.7
7	1.2	1.7	1.6	4.8	3.7	2.9	12	4.1	2.4	1.5	1.0	0.7
8	1.8	1.5	1.5	4.6	3.7	2.7	11	4.1	2.4	1.3	1.0	0.8
9	1.6	1.4	1.4	4.5	3.6	2.7	10	4.3	2.3	1.3	0.9	0.8
10	1.6	1.4	1.4	4.5	3.4	2.7	9.5	4.3	2.0	1.0	0.8	0.7
11	1.5	1.4	1.4	4.3	3.4	2.7	9.0	4.3	2.0	1.0	0.7	0.7
12	1.5	1.5	1.4	4.1	3.2	2.7	8.7	4.1	1.9	1.0	0.7	0.6
13	1.5	1.5	1.4	3.9	3.2	4.2	8.1	4.1	1.9	1.0	0.7	0.5
14	1.4	1.5	1.4	3.9	3.1	3.1	8.1	3.9	1.9	1.0	0.7	0.5
15	1.4	1.5	1.4	3.7	3.2	2.7	7.6	3.9	1.9	1.0	0.8	0.5
16	1.4	1.6	1.4	3.6	3.4	2.6	7.1	3.9	1.8	1.0	0.7	0.6
17	1.4	1.6	1.4	3.6	3.2	2.4	6.6	3.7	1.8	1.0	0.6	0.7
18	1.5	1.5	1.4	3.6	3.2	2.4	6.4	3.9	1.7	1.1	0.5	0.7
19	1.4	1.6	1.4	3.4	3.2	7.9	6.2	3.9	1.7	1.2	0.5	0.6
20	1.4	1.5	1.4	3.4	3.4	5.7	5.9	3.9	1.7	1.2	0.6	0.6
21	1.3	1.5	47	3.2	3.4	4.8	5.9	3.9	1.8	1.0	0.7	0.6
22	1.4	1.5	133	3.1	3.4	4.3	5.5	3.7	1.9	1.0	0.7	0.7
23	1.5	1.5	138	2.9	3.4	4.1	5.5	3.7	1.8	1.0	0.7	0.7
24	1.3	1.6	28	2.9	3.2	3.9	5.2	3.6	1.7	1.0	0.7	0.7
25	1.2	1.5	17	2.9	3.1	3.7	5.2	3.6	1.6	1.0	0.7	0.6
26	1.1	1.5	11	2.8	3.1	3.6	5.2	3.6	1.6	1.0	0.7	0.6
27	1.1	1.4	8.4	2.7	2.8	3.4	5.0	3.6	1.6	0.8	0.7	0.6
28	1.3	1.4	7.3	2.7	2.8	4.8	5.0	3.6	1.8	0.8	0.8	0.6
29	1.7	1.5	6.6	2.7		6.2	5.0	3.2	1.8	0.8	0.8	0.6
30	2.7	1.6	6.2	2.6		119	4.8	2.9	1.8	0.9	0.8	0.7
31	2.0		5.9	2.4		53		2.8		0.8	0.8	
	42.6	45.0	437.6	120.6	102.4	274.9	279.5	121.7	60.5	36.2	22.6	19.8
MEAN	1.37	1.50	14.1	3.89	3.66	8.87	9.32	3.93	2.02	1.17	.73	.66
ACRE-FEET	84.	89.	868.	239.	203.	545.	554.	241.	120.	72.	45.	39.

Remarks:

YEAR OR PERIOD MEAN 4.28
ACRE-FEET 3,100.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 4-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.0	1.4	8.1	28	7.6	4.8	4.3	2.8	2.6	1.5	0.7	0.6
2	2.0	1.2	7.3	25	7.3	4.8	4.3	2.7	2.6	1.5	0.9	0.5
3	1.7	1.2	6.8	22	6.8	5.0	4.3	2.6	2.6	1.4	0.9	0.5
4	1.8	1.2	6.8	20	6.8	4.8	4.3	2.4	2.6	1.3	0.8	0.5
5	1.5	1.2	6.6	18	6.6	4.8	4.1	2.6	2.6	1.2	0.7	0.5
6	1.3	1.2	8.1	18	6.4	4.6	4.1	2.6	2.4	1.2	0.7	0.5
7	1.2	1.2	7.1	16	6.4	4.6	3.9	2.6	2.3	1.1	0.7	0.5
8	1.1	1.7	6.4	15	6.4	4.6	3.7	2.6	2.3	1.1	0.8	0.7
9	1.1	1.3	6.2	14	7.2	4.5	3.6	2.7	2.4	1.1	1.0	0.7
10	1.0	1.3	5.9	14	6.8	4.5	3.4	2.7	2.4	1.1	0.9	0.8
11	1.0	2.0	5.7	13	6.4	4.5	3.4	2.7	2.3	1.1	0.9	0.7
12	1.0	21	5.5	12	6.2	4.3	3.1	2.7	2.0	1.2	0.8	0.7
13	1.0	67	5.2	12	5.9	4.1	3.1	2.6	1.9	1.1	0.8	0.5
14	1.0	20	5.0	12	5.7	3.9	2.9	2.8	1.8	1.1	0.8	0.5
15	1.1	10	5.0	11	5.7	3.9	2.9	2.8	1.8	1.1	0.8	0.5
16	2.2	6.6	4.8	11	5.5	3.9	2.9	2.7	1.8	1.1	0.8	0.5
17	1.8	5.0	4.6	10	5.9	3.7	2.9	2.6	1.8	1.1	0.8	0.8
18	1.6	4.1	4.6	9.8	6.2	3.9	3.2	2.4	1.8	1.0	0.8	1.1
19	1.5	3.6	4.5	9.5	5.9	4.3	3.4	2.3	1.8	1.0	0.8	0.9
20	1.3	117	4.5	9.3	5.9	4.5	3.4	2.3	2.0	0.9	0.8	0.8
21	1.3	32	4.3	9.0	5.5	4.5	3.6	2.3	2.0	0.9	0.9	0.7
22	1.3	17	4.1	8.7	5.2	4.3	3.7	2.4	1.9	1.0	1.0	0.7
23	1.3	39	4.3	8.4	5.0	4.3	3.7	2.6	1.8	1.0	0.9	0.7
24	1.2	28	4.8	8.1	5.0	3.9	3.6	2.4	1.8	1.0	0.8	0.7
25	1.1	20	65	7.9	5.0	3.7	3.6	2.2	1.9	1.0	0.8	0.6
26	1.1	15	124	7.9	5.0	3.7	3.6	2.2	1.9	0.9	0.8	0.5
27	2.0	13	100	7.6	5.0	3.9	3.6	2.7	1.9	0.8	1.0	0.5
28	2.2	11	69	14	4.8	7.1	3.6	2.6	1.9	0.7	1.0	0.5
29	1.7	9.5	51	9.5		5.2	3.6	2.6	1.8	0.7	0.9	0.6
30	1.6	9.0	40	8.7		4.6	3.2	2.7	1.7	0.7	0.8	0.6
31	1.5		33	8.1		4.3		2.7		0.7	0.7	
	47.5	462.7	618.2	397.5	168.1	137.5	107.0	79.6	62.4	32.6	25.8	18.9
MEAN	1.53	15.4	19.9	12.8	6.00	4.44	3.57	2.57	2.08	1.05	0.83	0.63
ACRE-FEET	94	918	1,230	788	333	273	212	158	124	65	51	37

Remarks:

YEAR OR PERIOD MEAN 5.91
ACRE-FEET 4,280

STATION F26C-R
SANTA ANITA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'03", LONG. 118°01'37", ON THE DOWNSTREAM SIDE ON LEFT (EAST) END OF FOOTHILL BOULEVARD BRIDGE, ABOUT 1 MILE NORTH OF ARCADIA, AND APPROXIMATELY 0.2 MILE BELOW THE CONFLUENCE OF SANTA ANITA CREEK AND LITTLE SANTA ANITA CREEK. THE FORMER STATION F26C-R WAS ABOUT 0.4 MILE UPSTREAM FROM FOOTHILL BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT, 519.70 FEET.

DRAINAGE AREA: 17.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. BANKS PROTECTED WITH WIRE AND ROCK. NO ARTIFICIAL CONTROL.

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

RECORDER: 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, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY BIG SANTA ANITA DAM AND SIERRA MADRE DAM.

DIVERSIONS: ABOUT 2 SECOND-FEET DIVERTED FOR IRRIGATION AT MOUTH OF SANTA ANITA CANYON. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW OCCASIONALLY DIVERTED FOR SPREADING FROM LITTLE SANTA ANITA CREEK AT SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: APRIL 22, 1938 TO SEPTEMBER 30, 1947. FOR RECORDS PRIOR TO APRIL, 1938, SEE STATIONS F21-R, F119-R, AND F26C-R.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 350 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 289 SECOND-FEET, DECEMBER 29.
MINIMUM NO FLOW MOST OF YEAR.

1936-1947 (STATIONS F26C-R AND F260 B-R)
MAXIMUM NOT DETERMINED.
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5,070 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR DUE TO SLUICING AT SANTA ANITA DAM CAUSING EXCESSIVE CHANNEL BOTTOM SHIFTS.

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

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT ~~NEAR~~ Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
412	12/22	130P / 145P	MOON - HOLMES	36.0	33.9	6.61	7.98	224.		.6	7	-.04	FC22
413	12/22	735P / 740P	" "	34.0	40.6	6.62	6.70	269.		.6	6	0	"
414	12/24	905A / 915A	" "	19.0	20.7	2.44	3.32	50.5		.6	10	0	"
415	12/26	845A / 855A	MOON	12.5	7.13	1.51	2.76	10.8		.6	8	0	"
416	12/27	900A / 907A	"	11.0	4.70	1.17	2.59	5.5		.6	6	0	"
417	1/24	805A / 812A	"	10.0	3.85	1.30	2.64	5.0		.6	6	0	"
418	2/7	845A / 850A	"	4.5	1.67	1.08	2.43	1.8		.6	6	0	"
419	3/20	510P / 520P	"	8.0	6.30	1.32	2.52	8.3		.6	6	0	"
420	3/21	927A / 937A	"	9.0	7.40	1.16	2.40	8.6		.6	7	0	"
421	3/30	655A / 705A	MOON - ROCKENMEYER	15.0	12.8	3.73	3.17	47.7		.6	6	0	"
422	3/30	242P / 247P	" "	16.0	17.1	4.56	3.37	77.9		.6	7	0	"
423	3/31	1225P / 1235P	" "	15.0	14.5	2.74	3.21	39.8		.6	8	0	"
424	4/3	500P / 520P	STUNDEN	8.6	5.26	1.52	2.67	8.0		.6	9	0	36
425	4/4	605P / 620P	"	25.0	20.4	2.53	3.30	51.6		.6	13	0	"
426	4/5	810A / 822A	MOON	17.0	16.9	2.66	3.28	45.0		.6	9	0	22

DISCHARGE MEASUREMENTS OF SANTA ANITA WASH

AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
427	11-12	235P / 240P	MOON-ROCKENMEYER	8.0	2.40	1.29	2.33	3.1		.6	4	0	FC22
428	11-13	853A / 859A	" "	16.0	18.7	3.21	4.05	60.1		.6	5	+.02	"
429	11-14	235A / 255A	KASIMOFF - OTIS	27.0	44.1	2.95	4.21	130.		.6	9	+.01	FC47
430	11-14	816A / 825A	MOON - ROCKENMEYER	29.0	35.1	3.59	4.21	126.		.6	9	0	FC22
431	11-14	224P / 228P	" "	13.0	7.00	1.86	3.56	13.0		.6	6	0	"
432	11-10	119P / 125P	" "	TWO CHANNELS			4.04	79.0		.6	12	0	"
433	11-21	700A / 714A	MOON	30.0	35.9	3.98	4.24	143.		.6	9	0	"
434	11-23	910A / 920A	"	16.0	15.6	3.03	3.92	46.9		.6	6	0	"
435	11-23	340P / 350P	"	16.0	13.4	2.82	3.85	37.8		.6	8	0	"
436	11-26	805A / 812A	"	14.0	8.90	2.11	3.57	18.8		.6	7	0	"
437	11-29	153P / 200P	STUNDEN	12.5	6.48	1.55	2.31	10.0		.6	7	+.08	FC36
438	12-5	924A / 929A	MOON	5.0	1.30	0.72	2.30	0.94		.6	5	0	FC22
439	12-25	255P / 302P	"	12.0	6.20	1.89	1.82	11.7		.6	6	0	"
440	12-25	1020P / 1030P	MOON - STEVENS	28.0	26.9	2.87	4.09	77.1		.6	8	0	"
441	12-26	255P / 305P	" "	29.0	42.2	5.47	4.30	231.		.6	6	+.02	"
442	12-27	940A / 952A	" "	33.0	42.4	5.21	4.27	221.		.6	11	0	"
443	1-3	830A / 840A	MOON	19.0	5.56	3.36	3.88	18.7		.6	8	0	"
444	1-6	1230P / 1235P	"	14.0	3.86	3.55	5.89	13.7		.6	4	0	"
445	1-8	810A / 815A	"	11.0	2.28	3.77	6.28	8.6	FLOATS		4	0	"
446	1-13	925A / 930A	"	11.0	2.32	3.19	7.10	7.4		.6	4	0	FC22
447	1-15	815A / 820A	"	7.0	2.05	3.27	6.88	6.7		.5	4	0	"
448	1-17	930A / 935A	"	8.5	1.62	3.09	7.49	5.0		.5	5	0	"
449	1-20	805A / 812A	"	11.0	1.50	2.60	6.57	3.9		.5	6	0	"
450	1-22	820A / 825A	"	7.0	1.10	2.91	6.32	3.2		.5	4	0	"
451	1-24	800A / 805A	"	TWO CHANNELS			7.60	2.2		.5	4	0	"
452	1-27	820A / 823A	"	3.0	0.65	2.92	7.50	1.9		.5	3	0	"
453	2-11	850A / 900A	"	14.0	2.38	2.77	7.90	6.6		.5	7	0	"
454	2-19	1130A / 1140A	"	11.0	1.78	3.26	7.80	5.8		.5	6	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	2.7	0	0	0	0	0
2	0	0	0	0	0	0	1.7	0	0	0	0	0
3	0	0	0	0	0	0	1.5	0	0	0	0	0
4	0	0	0	0	3.7	0	2.2	0	0	0	0	0
5	0	0	0	0	a 1.6	0	2.2	0	0	0	0	0
6	0	0	0	0	a 1.6	0	1.7	0	0	0	0	0
7	0	0	0	0	1.6	0	0	0	0	0	0	0
8	0	0	0	0	1.6	0	0	0	0	0	0	0
9	0	0	0	0	1.8	0	0	0	0	0	0	0
10	0	0	0	0	1.8	0	0	0	0	0	0	0
11	0	0	0	0	a 1.6	0	0	0	0	0	0	0
12	0	0	0	0	a 1.8	0	0	0	0	0	0	0
13	0	0	0	0	a 1.0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0.9	0	b 1.6	0	0	0	0	0	0
20	0	0	0	4.3	0	2.8	0	0	0	0	0	0
21	0	0	31	4.3	0	2.7	0	0	0	0	0	0
22	0	0	182	4.3	0	3.0	0	0	0	0	0	0
23	0	0	169	4.6	0	3.0	0	0	0	0	0	0
24	0	0	27	2.1	0	3.0	0	0	0	0	0	0
25	0	0	12	0	0	3.0	0	0	0	0	0	0
26	0	0	9.2	0	0	3.0	0	0	0	0	0	0
27	0	0	5.6	0	0	3.0	0	0	0	0	0	0
28	0	0	4.1	0	0	3.0	0	0	0	0	0	0
29	0	0	0	0		3.0	0	0	0	0	0	0
30	0	0	0	0		7.5	0	0	0	0	0	0
31	0		0	0		6.1		0		0	0	
	0	0	4399	205	191	144.7	121.7	0	0	0	0	0
MEAN	0	0	14.2	0.66	0.68	4.67	4.06	0	0	0	0	0
ACRE-FEET	0	0	873.	41.	38.	287.	241.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 2.04
ACRE-FEET 1,480.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 260 B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	0	7.2	21	0	0	0	0	0	0	0	0
2	0	0	1.0	18	0	0	0	0	0	0	0	0
3	0	0	1.0	15	0	0	0	0	0	0	0	0
4	0	0	1.0	14	0	0	0	0	0	0	0	0
5	0	0	1.0	13	0	0	0	0	0	0	0	0
6	0	0	0.6	11	0	0	0	0	0	0	0	0
7	0	0	1.0	11	0	0	0	0	0	0	0	0
8	0	0	1.0	10	0	0	0	0	0	0	0	0
9	0	0	0.5	9.4	0	0	0	0	0	0	0	0
10	0	0	0.1	8.9	0	0	0	0	0	0	0	0
11	0	0.1	0.1	8.4	9.9	0	0	0	0	0	0	0
12	0	5.0	0.1	7.9	5.8	0	0	0	0	0	0	0
13	0	8.9	0	7.4	2.9	0	0	0	0	0	0	0
14	0	5.7	0	7.0	0.1	0	0	0	0	0	0	0
15	0	5.3	0	6.7	0.1	0	0	0	0	0	0	0
16	0	0	0	5.8	0.1	0	0	0	0	0	0	0
17	0	0	0	5.0	0.1	0	0	0	0	0	0	0
18	0	0	0	4.6	0.1	0	0	0	0	0	0	0
19	0	0	0	4.2	0.1	0	0	0	0	0	0	0
20	0	7.2	0	3.9	0	0	0	0	0	0	0	0
21	0	8.6	0	3.6	0	0	0	0	0	0	0	0
22	0	6.2	0	3.2	0	0	0	0	0	0	0	0
23	0	4.0	0	2.7	0	0	0	0	0	0	0	0
24	0	1.9	0	2.2	0	0	0	0	0	0	0	0
25	0	1.1	1.6	2.1	0	0	0	0	0	0	0	0
26	0	9.0	144	2.0	0	0	0	0	0	0	0	0
27	0	4.3	97	1.9	0	0	0	0	0	0	0	0
28	0	8.3	88	1.3	0	0	0	0	0	0	0	0
29	0	8.9	116	0		0	0	0	0	0	0	0
30	0	10	35	0		0	0	0	0	0	0	0
31	0		25	0		0		0		0	0	
	1.8	486.9	535.6	212	19.2	0	0	0	0	0	0	0
MEAN	0.058	16.2	17.3	6.81	0.69	0	0	0	0	0	0	0
ACRE-FEET	3.6	966	1,060	419	38	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 3.44
ACRE-FEET 2,490

STATION Fg28-R
SANTA CLARA RIVER at Highway #99

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'35", LONG. 118°35'08", ON THE DOWNSTREAM SIDE OF THE U.S. HIGHWAY 99 BRIDGE ABOUT 3 MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT, 1038.24 FEET. THE FORMER STATION F92-R WAS ABOUT 1000 FEET DOWNSTREAM.

DRAINAGE AREA: 355 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF U.S. HIGHWAY 99 BRIDGE.

RECORDER: INSTALLED JANUARY 18, 1930 AT STATION F92-R. REMOVED SEPTEMBER 21, 1938. INSTALLED AT STATION F92B-R SEPTEMBER 30, 1938 OVER A 24 INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: PARTIALLY REGULATED BY BOUQUET CANYON AND DRY CANYON RESERVOIRS. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES CITY AQUEDUCT BLOWOFF AT SANTA CLARA RIVER CROSSING.

DIVERSIONS: SOME FLOW DIVERTED FOR IRRIGATION NEAR LANG.

RECORDS AVAILABLE:
AT STATION F92-R - RECORDER RECORDS AVAILABLE FROM JANUARY 18, 1930 TO MARCH 28, 1938. SOME WEEKLY STREAM MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 18, 1930 AND SUBSEQUENT TO MARCH 28, 1938.
AT STATION F92B-R - RECORDER RECORDS AVAILABLE FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 500 SECOND-FEET, MARCH 30.
MINIMUM 0.4 SECOND-FOOT VARIOUS DAYS.
1946-1947
MAXIMUM 1620 SECOND-FEET, DECEMBER 26.
MINIMUM 1 SECOND-FOOT, OCTOBER 11.
1930-1947 (STATIONS F92-R AND F92B-R)
MAXIMUM 24,000 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR FOR LOW FLOWS. POOR FOR HIGH FLOWS DUE TO OCCASIONAL LOSS OF COMMUNICATION AND EXTREME AND UNDETERMINED CONTROL SHIFT. LOW FLOW CHANNEL DURING 1947 HAD NO COMMUNICATION WITH GAGE. FLOWS INTERPOLATED BETWEEN MEASUREMENTS.

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 No. 99 DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METH. OD	MEAS. SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
348	10/4	1115A / 1125A	TURNER	10.0	4.12	0.97	5.29	4.0		.6	6	0	FC43
349	10/11	1050A / 1100A	"	8.5	4.24	1.27	5.34	5.4		.6	5	0	"
350	10/18	320P / 325P	"	10.0	3.76	1.04	5.28	3.9		.6	5	0	"
351	10/25	1100A / 1110A	"	10.0	4.82	0.92	5.36	4.4		.6	6	0	"
352	11/1	1053A / 1103A	TURNER - PALMER	7.3	2.50	1.72	5.39	4.3		.5	8	0	"
353	11/9	130P / 140P	TURNER - HUGHES	7.3	2.44	1.80	5.39	4.4		.5	8	0	"
354	11/15	945A / 955A	TURNER	7.5	2.75	1.96	5.43	5.4		.5	8	0	"
355	11/21	1055A / 1105A	"	7.6	2.84	2.04	5.45	5.8		.5	9	0	"
356	11/29	215P / 225P	"	12.0	7.51	1.18	5.54	8.9		.6	7	0	"
357	12/6	1225P / 1235P	"	10.0	7.95	1.11	5.57	8.8		.6	6	0	"
358	12/13	120P / 130P	"	9.2	4.81	1.60	5.68	8.2		.6	10	0	"
359	12/20	1250P / 100P	"	8.1	4.91	1.51	5.72	7.4		.6	9	0	"
360	12/22	1000A / 1025A	"	THREE CHANNELS			6.69	285.		.6	14	-.02	"
361	12/23	1245P / 110P	TURNER - PALMER	62.0	41.6	3.73	6.60	155.		.6	13	0	"
362	12/27	1005A / 1015A	TURNER	THREE CHANNELS			6.08	11.7		.6	9	0	"
363	1/3	240P / 255P	"	TWO CHANNELS			6.11	14.7		.6	12	0	"
364	1/10	340P / 355P	"	"	"		6.12	13.0		.6	12	0	"
365	1/16	335P / 345P	"	"	"		6.06	16.1		.6	10	0	"
366	1/24	305P / 320P	"	"	"		6.06	16.8		.6	9	0	"
367	1/28	330P / 340P	"	16.0	8.31	1.78	6.22	14.8		.6	9	0	"
368	1/31	250P / 305P	"	TWO CHANNELS			6.00	14.2		.6	12	0	"
369	2/3	345P / 400P	TURNER - PALMER	35.0	22.7	3.96	6.09	89.8		.6	11	0	"
370	2/6	320P / 330P	TURNER	30.0	9.53	1.85	5.83	17.6		.6	9	0	"
371	2/14	245P / 255P	TURNER	31.0	9.17	1.64	5.80	15.0		.6	8	0	FC43
372	2/21	945A / 955A	"	20.0	8.86	1.73	5.84	15.3		.6	10	0	"
373	3/1	315P / 330P	"	TWO CHANNELS				12.8		.6	12		"
374	3/7	255P / 305P	"	8.0	4.32	2.57	5.64	11.1		.6	8	0	"
375	3/14	255P / 305P	"	8.5	4.83	1.76	5.55	8.3		.6	9	0	"
376	3/19	1000A / 1015A	TURNER- PALMER	15.0	9.31	2.81	5.93	26.2		.6	8	0	"
377	3/21	230P / 240P	" "	12.5	4.42	2.24	5.58	9.9		.6	9	0	"
378	3/28	900A / 910A	" "	14.0	6.60	2.45	5.70	16.2		.6	7	0	"
379	3/30	710A / 722A	TURNER - WRIGHT	57.0	61.0	4.90	6.31	299.		.6	9	0	"
380	3/30	540P / 550P	" "	55.0	43.8	4.34	6.12	190.		.6	11	0	"
381	3/31	1215P / 1225P	TURNER	29.0	13.7	2.74	5.80	37.5		.6	9	0	"
382	4/3	310P / 330P	"	TWO CHANNELS				5.63	13.5	.6	13	0	"
383	4/11	125P / 140P	"	"	"			5.68	12.2	.6	14	0	"
384	4/19	925A / 945A	"	"	"			5.55	13.6	.5	15	0	"
385	4/25	250P / 310P	"	"	"			5.49	5.6	.5	14	0	"
386	5/2	235P / 250P	"	"	"			5.43	5.8	.5	12	0	"
387	5/8	300P / 312P	"	11.0	4.38	1.87	5.65	8.2		.6	11	0	"
388	5/9	125P / 135P	"	10.5	4.31	1.90	5.52	8.2		.6	10	0	"
389	5/16	215P / 225P	"	10.2	4.08	1.59	5.33	6.5		.6	10	0	"
390	5/23	818A / 825A	LUCE	7.2	3.35	2.03	5.31	6.8		.6	7	0	FC39
391	5/29	830A / 835A	"	7.3	3.35	1.83	5.27	6.1		.6	7	0	"
392	6/6	905A / 912A	"	7.0	3.08	1.62	5.26	5.0		.6	6	0	"
393	6/13	1258A / 105A	"	7.0	2.80	1.50	5.24	4.2		.6	7	0	"
394	6/19	730A / 742A	LUCE	6.5	2.45	1.43	5.23	3.5		.6	7	0	FC39
395	6/27	400P / 405P	"	6.6	2.30	1.39	5.17	3.2		.6	7	0	"
396	7/5	908A / 915A	"	6.5	2.61	1.42	5.18	3.7		.6	7	0	"
397	7/11	1045A / 1050A	"	6.0	1.88	1.12	5.12	2.1		.6	6	0	"
398	7/17	950A / 1000A	TURNER	6.7	2.08	1.20	5.13	2.5		.5	7	0	FC43
399	7/24	847A / 852A	LUCE	6.5	2.99	1.00	5.18	3.0		.6	7	0	FC39
400	8/1	820A / 825A	"	4.0	1.41	0.78	5.06	1.1		.6	5	0	"
401	8/8	800A / 805A	"	3.5	0.89	0.78	5.02	0.70		.6	4	0	"
402	8/15	805A / 810A	"	3.7	1.28	0.62	5.02	0.80		.6	4	0	"
403	8/22	1220P / 1225P	"	3.5	1.31	0.61	5.01	0.80		.6	5	0	"
404	8/29	1230P / 1235P	"	3.5	1.20	0.33	5.01	0.40		.6	5	0	"
405	9/4	1000A / 1006A	"	4.5	1.32	0.83	5.02	1.1		.6	6	0	"
406	9/13	910A / 915A	"	6.0	1.22	0.57	5.02	0.70		.5	6	0	"
407	9/20	950A / 955A	"	7.0	1.59	0.88	5.20	1.4		.5	6	0	"
408	9/26	1005A / 1010A	"	6.3	1.41	0.78	5.15	1.1		.5	5	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

AT ~~NEAR~~ Highway 99 DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
409	10-4	830A / 835A	TURNER	6.0	1.22	1.07	5.18	1.3		.5	6	0	FC43
410	10-11	200P / 207P	LUCE	6.5	1.37	0.71	5.11	1.0		.6	6	0	FC39
411	10-16	430P / 435P	"	6.0	1.27	1.10	5.18	1.4		.6	6	0	FC41
412	10-24	920A / 925A	"	6.5	1.71	1.17	5.19	2.0		.6	6	0	FC39
413	10-30	135P / 140P	"	6.5	1.61	1.02	5.15	1.6		.6	6	0	"
414	11-7	225P / 230P	"	6.0	1.79	1.46	5.12	2.6		.6	6	0	"
415	11-12	1130A / 1140A	"	TWO CHANNELS			5.42	7.1		.6	8	0	"
416	11-12	1130P / 1140P	LUCE - WRIGHT	"	"		5.56	11.7		.6	9	0	"
417	11-13	1120A / 1138A	" "	"	"		6.67	271.		.6	17	-.02	"
418	11-13	315P / 330P	" "	"	"		6.36	138.		.6	10	-.08	"
419	11-14	1115A / 1125A	" "	25.0	10.5	1.53	5.82	16.1		.6	11	-.04	"
420	11-20	925A / 933A	" "	33.0	19.1	2.80	5.95	53.5		.6	9	+.6	"
421	11-21	125P / 130P	LUCE	6.5	2.89	1.59	5.50	4.6		.6	6	0	"
422	11-29	245P / 255P	LUCE - LUNDWALL	TWO CHANNELS			5.54	6.2		.6	8	0	"
423	12-5	125P / 135P	LUCE	"	"		5.43	5.4		.6	10	0	"
424	12-13	146P / 155P	"	"	"		5.42	6.8		.6	9	0	"
425	12-18	1200N / 1210P	"	"	"		5.44	10.7		.6	9	0	"
426	12-26	955A / 1005A	LUCE - WRIGHT	38.0	42.0	4.14	6.60	174.		.6	8	-.01	"
427	12-27	900A / 910A	" "	37.0	21.6	3.06	6.30	66.1		.6	10	0	"
428	12-31	242P / 258P	LUCE	36.0	20.5	2.89	6.26	59.3		.6	11	0	"
429	1-9	1200P / 1225P	"	36.5	21.4	3.26	6.26	69.7		.6	10	0	"
430	1-15	1145A / 1200N	"	33.5	22.3	3.28	5.94	73.0		.6	10	0	"
431	1-24	1042A / 1050A	"	24.0	21.8	3.28		71.6		.6	12		"
432	1-30	1000A / 1010A	"	16.5	9.14	1.98		18.1		.6	9		"
433	2-14	115P / 125P	"	16.8	9.70	2.25		21.8		.6	9		FC39
434	2-20	1235P / 1245P	"	23.0	19.0	2.77		52.7		.6	12		"
435	2-26	515P / 525P	"	12.5	18.4	3.27		56.4		.6	7		"
436	3-7	1105A / 1115A	"	22.0	18.2	2.94		53.4		.6	8		"
437	3-14	130P / 140P	"	11.0	7.45	1.53		11.4		.6	6		"
438	3-21	420P / 430P	"	9.3	5.83	1.54		9.0		.6	6		"
439	3-28	1140A / 1145A	"	11.0	6.41	2.09		13.4		.6	6		"
440	4-3	945A / 955A	"	9.5	5.83	2.06		12.0		.6	6		"
441	4-11	1235P / 1240P	"	8.0	3.82	2.43		9.3		.6	4		"
442	4-17	245P / 250P	"	6.2	3.25	1.91		6.2		.6	6		"
443	4-24	420P / 425P	"	7.0	2.98	1.88		5.6		.6	6		"
444	5-2	445P / 455P	"	7.0	3.18	1.76		5.6		.6	5		"
445	5-8	125P / 135P	"	6.8	3.03	1.52		4.6		.6	7		"
446	5-14	910A / 915A	"	7.5	3.27	1.50		4.9		.6	7		"
447	5-23	1115A / 1125A	TURNER	10.5	4.03	1.17		4.7		.6	7		FC43
448	5-29	955A / 1000A	LUCE	9.0	3.56	1.38		4.9		.6	6		FC39
449	6-5	500P / 510P	"	6.0	2.19	1.87		4.1		.6	6		"
450	6-12	850A / 900A	"	6.8	2.73	1.76		4.8		.6	7		FC41
451	6-19	700A / 707A	"	6.2	2.21	2.04		4.5		.6	6		FC39
452	6-26	1230P / 1235P	"	5.2	1.95	1.59		3.1		.6	5		"
453	7-3	840A / 845A	"	5.5	2.14	2.15		4.6		.6	5		"
454	7-9	410 / 415P	"	3.0	1.48	1.96		2.9		.6	4		"
455	7-17	1015A / 1020A	"	3.0	1.49	1.41		2.1		.6	5		"
456	7-23	1050A / 1100A	"	8.5	2.79	0.97		2.7		.6	8		"
457	7-31	210P / 220P	TURNER	6.6	1.84	1.20		2.2		.6	7		FC43
458	8-7	900A / 905A	LUCE	2.5	1.59	1.63		2.6		.6	5		FC39
459	8-13	125P / 130P	"	2.5	1.73	1.44		2.5		.6	4		"
460	8-21	250P / 300P	"	3.0	1.66	1.38		2.3		.6	5		"
461	8-28	1235P / 1240P	"	3.5	2.11	1.09		2.3		.6	4		"
462	9-4	650A / 655A	"	3.0	2.16	1.16		2.5		.6	4		"
463	9-10	1005A / 1010A	"	7.5	2.70	0.78		2.1		.6	6		"
464	9-18	1000A / 1010A	"	3.0	2.13	1.08		2.3		.6	4		"
465	9-25	1145A / 1150A	"	2.5	1.66	1.08		1.8		.6	5		"

Y. C. Dist. Form 55 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F028-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Highway #99 for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.4	4.4	8.3	d 14	14	13	26	6.2	4.8	3.0	1.0	0.6
2	4.4	4.1	8.3	14	13	13	17	5.9	4.6	3.4	0.9	0.8
3	3.8	3.8	8.3	15	47	13	13	5.9	4.8	3.4	0.8	0.9
4	3.8	4.1	8.3	15	27	12	13	5.6	4.8	3.2	0.8	1.0
5	3.5	4.4	8.7	14	19	12	12	5.9	4.6	3.4	0.8	1.2
6	4.9	4.7	8.7	14	17	12	11	5.9	4.4	3.0	0.8	1.0
7	4.7	4.7	8.7	14	17	11	11	5.6	4.4	2.8	0.8	1.0
8	4.4	4.4	7.9	13	17	11	b 11	5.5	4.2	2.8	0.8	0.9
9	4.1	4.4	7.5	13	16	10	b 11	5.5	4.2	2.4	0.8	0.8
10	4.4	4.7	7.5	13	16	10	b 12	5.6	4.4	2.3	0.8	0.9
11	4.9	4.7	7.9	13	16	10	f 12	8.0	3.8	2.3	0.8	0.8
12	4.9	4.7	8.3	14	16	9.8	12	7.4	4.0	2.4	0.8	0.6
13	4.4	4.7	8.3	14	16	10	12	8.0	4.4	2.4	0.7	0.6
14	4.7	4.9	8.7	15	16	8.9	13	8.0	4.4	2.3	0.8	0.6
15	4.4	5.5	8.3	15	17	8.9	15	7.7	4.4	2.3	0.8	1.0
16	4.7	5.5	7.9	16	17	8.9	17	7.4	4.0	2.3	0.7	1.2
17	4.9	5.5	7.5	16	16	9.2	17	6.5	3.6	2.3	0.7	1.2
18	4.7	5.5	7.5	16	16	9.2	17	6.2	3.4	2.7	0.7	0.9
19	4.4	5.5	7.1	16	15	19	16	7.1	3.2	2.9	0.7	0.8
20	4.1	5.9	7.5	16	15	11	11	7.4	4.4	2.8	0.7	0.7
21	4.1	5.9	92	17	13	10	9.2	6.8	5.3	2.4	0.7	0.4
22	4.1	6.3	158	17	15	10	8.3	6.8	4.6	2.3	0.7	0.4
23	3.5	6.3	105	17	15	10	7.1	6.5	4.6	2.7	0.7	0.4
24	3.8	6.7	b 32	17	15	10	6.2	5.9	5.0	2.8	0.6	0.6
25	4.1	6.7	b 22	17	14	9.8	5.6	5.9	3.0	2.5	0.6	0.8
26	3.8	6.7	b 16	16	14	9.5	5.6	5.9	3.2	2.4	0.5	1.2
27	4.1	7.1	b 12	d 15	14	9.2	6.2	4.8	3.6	2.4	0.5	1.2
28	4.1	7.1	d 12	f 15	13	12	6.5	4.6	3.4	2.4	0.4	1.9
29	4.9	8.3	d 13	15		13	5.9	5.0	3.2	2.5	0.4	1.2
30	5.2	8.3	d 13	14		194	5.9	5.0	3.0	2.3	0.4	1.2
31	4.9		d 14	14		54		5.0		1.6	0.5	
	135.1	165.5	650.2	464	478	563.4	345.5	193.5	123.7	80.7	21.7	26.6
MEAN	4.36	5.52	21.0	15.0	17.1	18.2	11.5	6.24	4.12	2.60	0.7	0.9
ACRE-FEET	268.	328.	1,290.	920.	948.	1,120.	685.	384.	245.	160.	43.0	53.1

Remarks:

YEAR OR PERIOD MEAN 8.90
ACRE-FEET 6,440.

F. C. Dist. Form 21 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

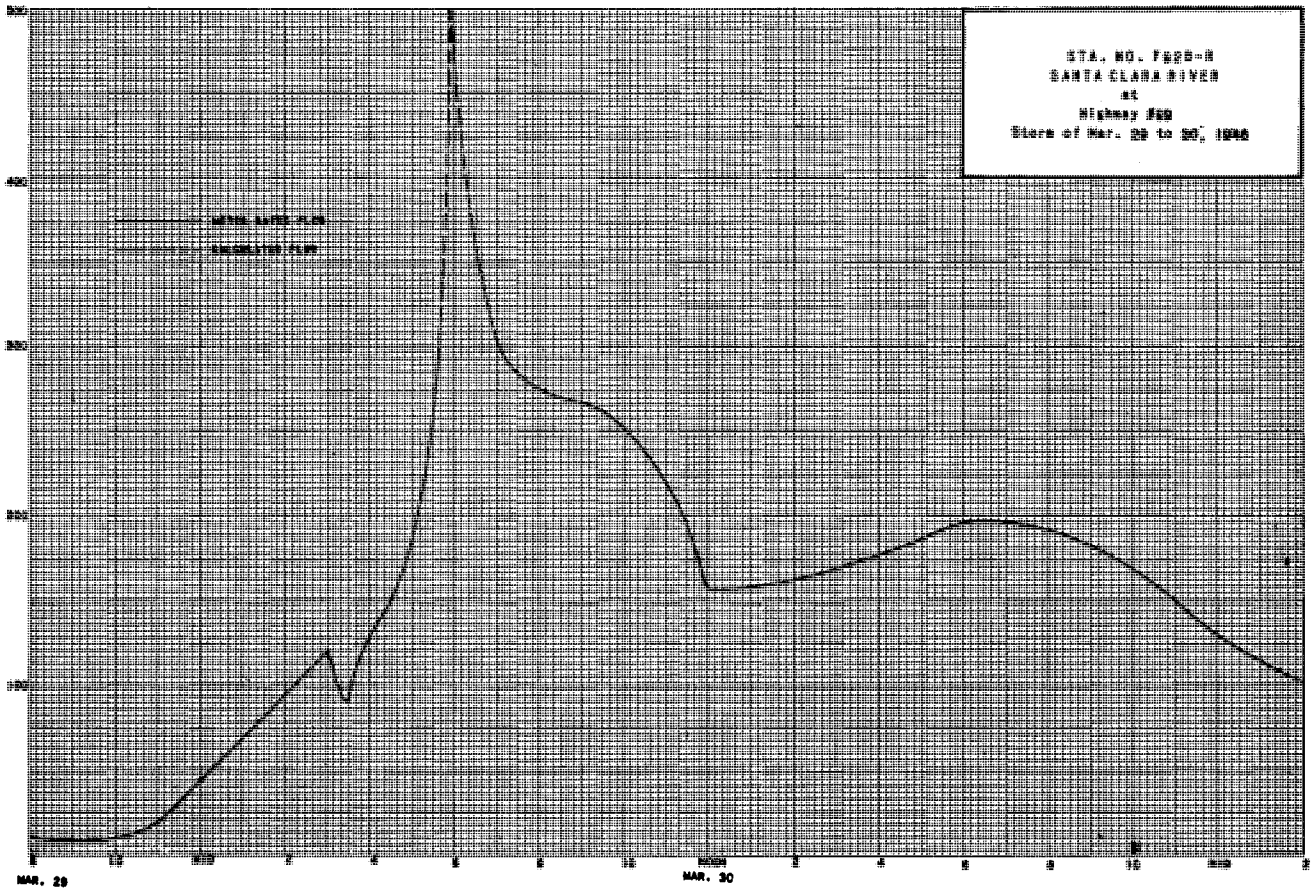
Sta. No. F 82 B-R

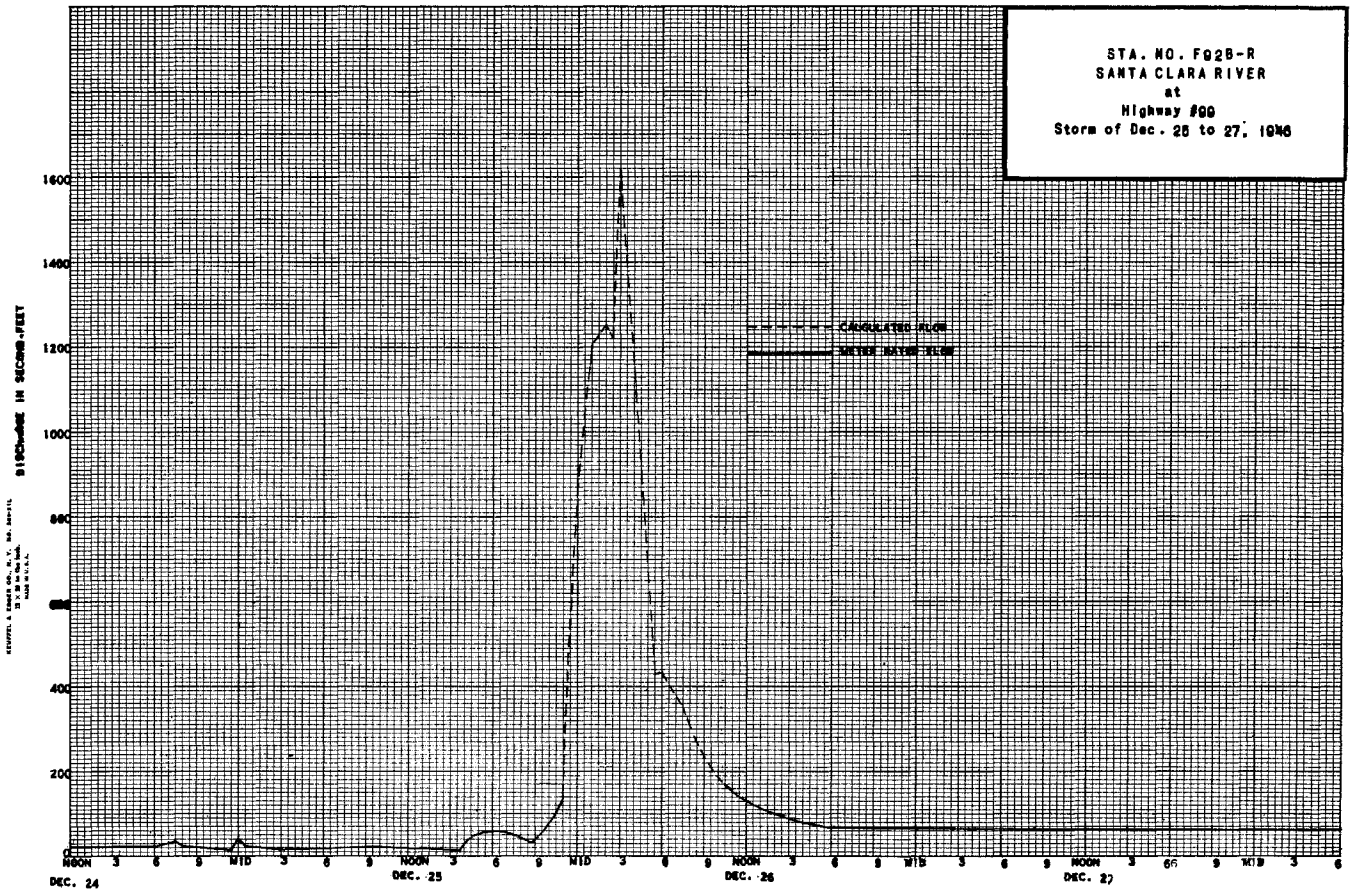
Daily discharge, in second-feet of SANTA CLARA RIVER at Highway #99, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	1.4	5.9	59	19	55	12	5.6	4.6	4.2	2.2	2.4
2	1.0	1.4	5.6	59	19	55	12	5.6	4.4	4.4	2.3	2.5
3	1.2	1.6	5.3	57	19	55	12	5.4	4.3	4.6	2.4	2.5
4	1.2	1.9	5.3	57	19	54	12	5.3	4.2	4.3	2.4	2.5
5	1.0	2.1	5.3	59	20	54	11	5.1	4.1	4.0	2.5	2.5
6	1.4	2.4	13	60	20	54	11	4.9	4.2	3.7	2.6	2.4
7	1.8	3.0	11	62	20	52	11	4.8	4.3	3.4	2.6	2.3
8	2.4	4.0	10	65	20	11	10	4.6	4.4	3.1	2.6	2.3
9	2.3	4.4	9.8	62	21	11	10	4.6	4.5	2.9	2.6	2.2
10	1.6	3.0	8.6	68	21	11	9.6	4.7	4.6	2.8	2.5	2.1
11	1.0	3.4	7.7	70	21	11	9.3	4.7	4.7	2.7	2.5	2.1
12	1.2	6.6	7.1	74	21	11	8.8	4.8	4.8	2.6	2.5	2.1
13	1.4	94	8.0	74	22	11	8.3	4.8	4.8	2.5	2.5	2.2
14	1.2	15	11	74	27	11	7.8	4.9	4.7	2.4	2.5	2.2
15	1.2	4.4	10	73	39	11	7.2	4.9	4.7	2.3	2.5	2.2
16	1.0	2.9	11	73	39	11	6.7	4.9	4.6	2.2	2.4	2.3
17	1.4	2.8	10	73	39	10	6.2	4.9	4.6	2.1	2.4	2.3
18	1.4	2.7	10	73	39	10	6.1	4.8	4.5	2.2	2.4	2.3
19	1.4	2.9	11	72	44	9.7	6.0	4.8	4.5	2.3	2.3	2.2
20	1.4	28	11	72	53	9.4	5.9	4.8	4.3	2.4	2.3	2.1
21	1.4	5.0	13	72	53	9.0	5.8	4.7	4.1	2.5	2.3	2.0
22	2.0	4.2	13	72	54	9.0	5.8	4.7	3.9	2.6	2.3	2.0
23	1.9	52	15	72	55	9.0	5.7	4.7	3.7	2.7	2.3	1.9
24	1.6	9.2	20	72	55	9.0	5.6	4.7	3.5	2.6	2.3	1.8
25	1.4	7.7	51	71	56	9.0	5.6	4.8	3.3	2.6	2.3	1.8
26	1.5	7.4	371	71	56	9.0	5.6	4.8	3.1	2.5	2.3	1.8
27	1.8	7.1	67	71	56	9.0	5.6	4.8	3.3	2.4	2.3	1.8
28	1.9	6.8	62	57	56	13	5.6	4.9	3.5	2.4	2.3	1.9
29	1.9	6.2	62	18		13	5.6	4.9	3.7	2.3	2.3	1.9
30	1.6	6.2	62	18		18	5.6	4.8	4.0	2.2	2.3	1.9
31	1.4		59	18		13		4.7		2.2	2.4	
	46.2	299.7	971.6	1948.0	983.0	632.1	239.4	151.4	125.9	88.1	74.4	64.5
MEAN	1.49	9.99	31.3	62.8	35.1	20.4	7.98	4.88	4.20	2.84	2.40	2.15
ACRE-FEET	92	594	1,930	3,860	1,950	1,250	475	298	250	175	148	2128

Remarks: Record for most of year estimated by interpolation between measurements plus flow from Los Angeles City Aqueduct.

YEAR OR PERIOD MEAN 15.4
ACRE-FEET 11,150





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 ABOUT 1,225 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 FOOT BRIDGE AT THE STATION.

RECORDER: INSTALLED FEBRUARY 6, 1942. REMOVED AUGUST 31, AND INSTALLED IN THE NEW LOCATION ON SEPTEMBER 4, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 36 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 26 SECOND-FEET, DECEMBER 26.
MINIMUM NO FLOW MOST OF YEAR.

1942-1947
MAXIMUM 665 SECOND-FEET, MARCH 2, 1938. BASED ON OAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW. SPILLWAY FLOW BY-PASSED STATION.
MAXIMUM OUTLET DISCHARGE FROM SAWPIT DAM, 284 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW VARIOUS PERIODS EACH YEAR.

ACCURACY GOOD. SOME LOW FLOW RECORDS ARE LOST DUE TO UNDERFLOW AT STATION.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT NEAR~~ Below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
101	11/29	1022A / 1025A	MOON	1.0	0.07	5.00	0.08	0.32	FLOATS			0	
102	12/6	930A / 935A	"	2.1	0.99	0.52	0.12	0.54		.6	4	0	FC22
103	12/24	230P / 236P	"	1.5	0.67	6.57	0.55	4.4		.6	3	0	"
104	12/27	1115A / 1130A	"	3.0	1.37	0.95	0.24	1.3		.5	4	0	"
105	3/30	620A / 625A	MOON-ROCKENMEYER	3.0	1.08	0.59	0.16	0.64		.6	3	+.03	"
106	3/30	100P / 109P	" "	6.5	4.40	5.95	1.71	16.2	PITOT	.6	6	-.02	
107	4/5	1045A / 1050A	MOON	3.0	1.42	0.92	0.23	1.3		.6	4	0	FC22
108	4/9	410P / 412P	"	2.0	0.61	0.99	0.09	0.60		.6	2	0	"

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~AT NEAR~~ below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
109	10-14	712A / 718A	MOON	3.0	1.84	7.39	1.20	13.6		.6	5	0	FC22
110	10-14	815A / 821A	"	3.0	1.84	7.28	1.20	13.4		.6	5	0	"
111	10-14	840A / 845A	"	3.0	1.84	7.23	1.20	13.3		.6	5	0	"
112	10-14	1117A / 1124A	"	4.0	2.38	7.14	1.38	17.0		.6	5	0	"
113	10-14	1246P / 1252P	"	4.0	2.38	7.06	1.38	16.8		.6	5	0	"
114	10-14	100P / 115P	"	13.0	7.40	2.23	1.37	16.5		.6	10	0	"
115	10-14	242P / 247P	"	1.5	0.75	7.60	0.64	5.7		.6	3	0	"
116	10-14	314P / 325P	"	10.5	4.59	1.22	0.64	5.6		.6	9	0	"
117	10-14	427P / 432P	"	2.0	1.43	7.06	1.03	10.1		.6	4	0	"
118	10-17	1027A / 1037A	MOON-VAN DER GOOT	1.5	0.60	7.17	0.54	4.3		.6	3	0	"
119	11-22	230P / 235P	MOON	2.4	1.40	1.71	0.35	2.4		.6	3	0	"
120	11-29	1240P / 1250P	STUNDEN	2.4	0.88	0.77	0.08	0.68		.5	5	0	FC36
121	12-27	310P / 320P	MOON - STEVENS	4.0	2.40	6.38	1.47	15.3		.6	5	0	PITOT TUBE
122	12-27	339P / 344P	" "	4.0	2.40	7.46	1.47	17.9		.6	5	0	FC22
123	1-2	416P / 420P	MOON	1.7	1.00	7.20	0.77	7.2		.6	3	0	"
124	2-11	934A / 939A	"	2.5	1.63	7.23	1.11	11.8		.6	5	0	"

P. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.4	0.3	0	0	3.8	0	0	0	0	0
2	0	0	0.4	0.2	0	0	4.0	0	0	0	0	0
3	0	0	0.4	0.3	0.3	0	2.9	0	0	0	0	0
4	0	0	0.5	0.5	0.2	0	2.4	0	0	0	0	0
5	0	0	0.5	0.3	0	0	1.1	0	0	0	0	0
6	0	0	0.5	0.4	0	0	0.9	0	0	0	0	0
7	0	0	0.5	0.1	0	0	0.8	0	0	0	0	0
8	0	0	0.5	0	0	0	0.7	0	0	0	0	0
9	0	0	0.3	0	0	0	0.4	0	0	0	0	0
10	0	0	0	0	0	0	0.2	0	0	0	0	0
11	0	0	0	0.1	0	0	0.1	0	0	0	0	0
12	0	0	0	0	0	0	0.1	0	0	0	0	0
13	0	0	0	0	0	0	0.1	0	0	0	0	0
14	0	0	0	0	0	0	0.1	0	0	0	0	0
15	0	0	0	0	0	0	0.1	0	0	0	0	0
16	0	0	0	0	0	0	0.1	0	0	0	0	0
17	0	0	0	0	0	0	0.1	0	0	0	0	0
18	0	0	0	0	0	0	0.1	0	0	0	0	0
19	0	0	0	0	0	0	0.1	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	0.1	0.1	0	0	0	0	0	0	0	0	0
23	0	0.2	2.1	0	0	0	0	0	0	0	0	0
24	0	0.2	5.4	0	0	0	0	0	0	0	0	0
25	0	0.2	2.8	0	0	0	0	0	0	0	0	0
26	0	0.3	1.8	0	0	0	0	0	0	0	0	0
27	0	0.3	1.3	0	0	0	0	0	0	0	0	0
28	0	0.3	0.8	0	0	0	0	0	0	0	0	0
29	0	0.3	0.7	0		0	0	0	0	0	0	0
30	0	0.4	0.5	0		16	0	0	0	0	0	0
31	0		0.4	0		7.4		0		0	0	
	0	2.3	38.8	2.2	0.5	23.4	18.1	0	0	0	0	0
MEAN	0	0.08	1.25	0.07	0.02	0.75	0.60	0	0	0	0	0
ACRE-FEET	0	4.6	77.	4.4	1.0	46.	36.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.23
ACRE-FEET 169.

F. C. Dist. Form 23 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 278-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	8.9	0	0	0	0	0	0	0	0
2	0	0	0	7.1	0	0	0	0	0	0	0	0
3	0	0	0	6.9	0	0	0	0	0	0	0	0
4	0	0	0	6.4	0	0	0	0	0	0	0	0
5	0	0	0	4.9	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	3.9	0	0	0	0	0	0	0
11	0	0	0	0	7.5	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	7.9	0	0	0	0	0	0	0	0	0	0	0
15	7.2	0	0	0	0	0	0	0	0	0	0	0
16	4.4	0	0	0	0	0	0	0	0	0	0	0
17	4.4	0	0	0	0	0	0	0	0	0	0	0
18	3.6	0	0	0	0	0	0	0	0	0	0	0
19	0.2	0	0	0	0	0	0	0	0	0	0	0
20	0	1.0	0	0	0	0	0	0	0	0	0	0
21	0	5.3	0	0	0	0	0	0	0	0	0	0
22	0	2.5	0	0	0	0	0	0	0	0	0	0
23	0	5.1	0	0	0	0	0	0	0	0	0	0
24	0	3.9	0	0	0	0	0	0	0	0	0	0
25	0	2.5	3.5	0	0	0	0	0	0	0	0	0
26	0	1.7	18	0	0	0	0	0	0	0	0	0
27	0	1.6	17	0	0	0	0	0	0	0	0	0
28	0	0.6	12	0	0	0	0	0	0	0	0	0
29	0	0.3	7.4	0		0	0	0	0	0	0	0
30	0	0.2	5.0	0		0	0	0	0	0	0	0
31	0		4.8	0		0		0		0	0	
	27.7	24.7	67.8	34.2	11.4	0	0	0	0	0	0	0
MEAN	0.89	0.82	2.19	1.10	0.41	0	0	0	0	0	0	0
ACRE-FEET	55	49	134	68	23	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 329

STATION W5-R
SAWPIT CREEK below Monrovia Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL. LAT. 34°10'25". LONG. 117°59'20". IN NE 1/4 SW 1/4 SEC. 13. T. 1 N.. R. 11 W.. 0.1 MILE DOWNSTREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE ABOUT 1,100 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

RECORDS AVAILABLE: NOVEMBER, 1916 TO SEPTEMBER 1947.

AVERAGE DISCHARGE: 29 YEARS (1917-1946). 1.36 SECOND-FEET; INCLUDING DIVERSION BY MONROVIA PIPE LINE. 29 YEARS. 2.86 SECOND-FEET. 30 YEARS (1917-1947). 1.33 SECOND-FEET; INCLUDING DIVERSION BY MONROVIA PIPE LINE. 30 YEARS. 2.85 SECOND-FEET.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM DISCHARGE 125 SECOND-FEET. DECEMBER 23. (GAGE HEIGHT 2.23 FEET).
NO FLOW DURING SEVERAL PERIODS.

1946-1947
MAXIMUM DISCHARGE. 46 SECOND-FEET. DECEMBER 26 (GAGE HEIGHT. 1.39 FEET).
NO FLOW DURING SEVERAL PERIODS.

1916-1947
MAXIMUM DISCHARGE. ABOUT 2,000 SECOND-FEET. APRIL 7 1926. ESTIMATED FROM FLOW OF ROGERS CREEK.
NO FLOW DURING PARTS OF MOST YEARS.

REMARKS: RECORDS FAIR. REGULATION AT SAWPIT DAM ABOVE STATION AND DIVERSIONS BY CITY OF MONROVIA.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~NEAR~~ AT below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
789	11-7		U.S.G.S.					0.005		EST.			
790	11-23		"	4.5	1.07	1.34	.28	1.43		.6	9	0	
791	11-27		"	4.5	1.09	1.17	.26	1.27		.6	9	0	
792	12-4		"	6.0	2.02	.65	.23	1.32		.6	12	0	
793	12-6		MOON	1.2	.31	3.26	.22	1.01		.5	3	0	FC22
794	12-12		U.S.G.S.	1.2	.10	.29	−.01	.029		.5	4	0	
795	12-27		"	3.6	2.27	1.05	.33	2.38		.6	7	0	
796	1-5		"	3.9	1.26	.69	.16	.87		.6	7	0	
797	1-10		MOON	1.0	.12	1.33	.04	.16		.6	3	0	FC22
798	1-10		U.S.G.S.	1.0	.15	1.00	.04	.15		.6	4	0	
799	1-17		"	2.5	.60	.22	.01	.13		.5	5	0	
800	1-24		MOON	1.0	.05	1.60	.05	.08		.5	1	0	FC22
801	1-24		U.S.G.S.	3.0	.78	.32	.04	.25		.6	6	0	
802	1-31		"	2.6	.54	.11	−.01	.062		.6	5	0	
803	2-7		"	2.5	1.12	.19	.04	.21		.6	10	0	
804	2-14		"	2.8	.62	.31	.03	.19		.6	6	0	
805	2-21		"	1.5	.26	.27	.00	.069		.5	4	0	
806	2-27		"	1.5	.25	.35	.00	.088		.5	3	0	
807	3-7		"	1.1	.16	.16	−.02	.025		.5	3	0	
808	3-13		"	.7	.08	.32	−.02	.026		.5	6	0	
809	3-19		"				−.03	.004		EST.			
810	3-20		"	.5	.12	1.00	.01	.12		.6	2	0	
811	3-28		"	1.5	.20	.60	.01	.12		.5	4	0	
812	3-31		"	13.	6.2	1.58	0.65	9.8		.6	13	0	
813	4-3		"	7.0	2.62	1.00	.40	2.60		.6	13	0	
814	4-12		"	3.5	.61	.69	.11	.42		.5	7	0	
815	4-18		MOON	1.0	.14	1.71	.08	.24		.5	2	0	FC22
816	4-19		U.S.G.S.	2.6	.28	.71	.07	.20		.5	5	0	
817	4-24		"	1.6	.21	.86	.04	.18		.5	5	0	
818	5-1		"	1.2	.19	1.05	.03	.20		.5	4	0	
819	5-3		MOON	1.3	.10	.70	.03	.07		.5	2	0	
820	5-9		U.S.G.S.	1.5	.12	.57	.02	.068		.5	4	0	
821	5-16		"	1.3	.12	.46	.01	.055		.5	4	0	
822	5-22		"				.01	.02		EST.			
823	5-29		"				−.02	.02		EST.			
824	6-5		"				−.03	.01		EST.			

DISCHARGE MEASUREMENTS OF SAWPIT CREEK

~~NEAR~~ AT below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
825	10-14	1030A / 1040A	MOON / WADDICOR	6.8	2.44	4.06	0.69	9.9		.5 / .6	7	0	FC22
826	10-17		U.S.G.S.	3.4	2.19	1.91	0.49	4.18		.6	8	0	
827	10-31		"	.4			-.03	0.006		.6	2	0	
828	11-14		"	3.2	1.74	1.07	0.33	1.86		.6	7		
829	11-14		"	3.2	1.53	0.68	0.24	1.04		.6	7	+.01	
830	11-21		"	7.0	2.38	3.03	0.62	7.2		.6	7	0	
831	11-25		"	4.5	2.47	1.41	0.43	3.48		.6	9	0	
832	11-29	120P / 125P	STUNDEN	1.2	0.49	1.38	0.22	0.68		.5	3	0	FC36
833	12-4		U.S.G.S.	2.0	0.65	.48	0.09	0.31		.6	6	0	
834	12-5	1100A / 1102A	MOON	1.1	0.15	1.20	0.08	0.18		.5	2	0	FC22
835	12-11		U.S.G.S.	1.8	0.57	0.34	0.06	0.19		.6	7	0	
836	12-18		"	1.2	0.35	0.37	0.02	0.13		.6	6	0	
837	12-23		"	1.0	0.30	0.27	0.01	0.082		.6	2	0	
838	1-2		"	12.	6.1	1.23	0.60	7.5		.6	12	0	
839	1-15		"	0.6	0.14	0.22	-.02	0.031		.5	4	0	
840	1-29		"				-.05	0.008		VOL			
841	2-10		"	0.6	0.16	0.07	-.03	0.011		.5	4	0	
842	9-4	1015A / 1020A	STUNDEN	1.0	0.41	0.39	0.04	0.16		.5	2	0	FC36
843	9-8		U.S.G.S.	0.5	0.10	0.08	-.03	0.008		.5	4	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.3	0.8	0.1	0	6.3	0.2	0	0	0	0
2	0	0	1.3	0.8	0.1	0	4.7	0.2	0	0	0	0
3	0	0	1.3	0.8	1.6	0	2.8	0.1	0	0	0	0
4	0	0	1.4	0.9	1.0	0.1	2.6	0.1	0	0	0	0
5	0	0	1.7	0.8	0.4	0	1.7	0.1	0	0	0	0
6	0	0.1	1.3	0.8	0.2	0	1.5	0.1	0	0	0	0
7	0	0.2	1.0	0.6	0.2	0	1.4	0.1	0	0	0	0
8	0	0	1.0	0.6	0.2	0	1.3	0.1	0	0	0	0
9	0	0	0.5	0.2	0.1	0	1.1	0.1	0	0	0	0
10	0	0	0.1	0.2	0.1	0	0.8	0.1	0	0	0	0
11	0	0	0	0.3	0.2	0	0.6	0.1	0	0	0	0
12	0	0	0	0.5	0.2	0	0.5	0.1	0	0	0	0
13	0	0	0	0.2	0.1	0	0.4	0.1	0	0	0	0
14	0	0	0	0.1	0.2	0.1	0.4	0.1	0	0	0	0
15	0	0.1	0	0.1	0.1	0.1	0.3	0.1	0	0	0	0
16	0	0.1	0	0.1	0.1	0	0.3	0.1	0	0	0	0
17	0	0	0	0.1	0.1	0	0.3	0.1	0	0	0	0
18	0	0	0	0.2	0.2	0	0.2	0	0	0	0	0
19	0	0	0	0.3	0.1	0	0.2	0	0	0	0	0
20	0	0	0	0.2	0.1	0.1	0.2	0	0	0	0	0
21	0	0.3	2.8	0.2	0.1	0.1	0.2	0	0	0	0	0
22	0	1.3	13	0.2	0.1	0.1	0.2	0	0	0	0	0
23	0	1.4	42	0.2	0.1	0.1	0.2	0	0	0	0	0
24	0	1.4	8.2	0.2	0.1	0.1	0.2	0	0	0	0	0
25	0	1.4	5.5	0.2	0.1	0.1	0.2	0	0	0	0	0
26	0	1.3	3.3	0.1	0.1	0.2	0.2	0	0	0	0	0
27	0	1.3	2.3	0.1	0.1	0.1	0.2	0	0	0	0	0
28	0	1.3	1.5	0.1	0.1	0.2	0.2	0	0	0	0	0
29	0	1.3	1.0	0.1		0.1	0.2	0	0	0	0	0
30	0.3	1.3	1.0	0.1		19	0.2	0	0	0	0	0
31	0.2		0.8	0.1		11		0		0	0	
	0.5	12.8	92.3	10.2	6.2	31.5	29.6	1.9	0	0	0	0
MEAN	0.02	.43	2.98	.33	.22	1.02	.99	.06	0	0	0	0
ACRE-FEET	1.0	25.	183.	20.	12.	62.	59.	3.8	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN .51
ACRE-FEET 366.

F. C. Dist. Form 52 8-44

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U 5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0	0.6	8.5	0.01	0	0	0	0	0	0.5	0
2	0.1	0	0.6	7.5	0.01	0	0	0	0	0	0.9	0
3	0	0	0.4	7.2	0.01	0.1	0	0	0	0	1.0	0
4	0	0	0.3	7.0	0.01	0.1	0	0	0	0	0.5	0.02
5	0	0	0.3	5.7	0.01	0	0	0	0	0	0.1	0.02
6	0	0	0.4	0.2	0.01	0	0	0	0	0	0	0.02
7	0	0	0.3	0.1	0.01	0	0	0	0	0	0	0.02
8	0	0.2	0.3	0.1	0.01	0	0	0	0	0	0	0.02
9	0	0.01	0.2	0.02	0.3	0	0	0	0	0	0	0.02
10	0	0.01	0.2	0.02	3.2	0	0	0	0	0	0	0
11	0	0.01	0.2	0.02	6.6	0	0	0	0	0	0	0
12	0	0.6	0.2	0.02	0.1	0	0	0	0	0	0	0
13	0	3.0	0.1	0.02	0.06	0	0	0	0	0	0	0
14	6.8	1.2	0.1	0.02	0.06	0	0	0	0	0	0	0
15	7.6	0.1	0.1	0.02	0.06	0	0	0	0	0	0	0
16	4.4	0.01	0.1	0.02	0.06	0	0	0	0	0	0	0
17	4.3	0.01	0.1	0.02	0.2	0	0	0	0	0	0	0
18	3.8	0.01	0.1	0.02	0.2	0	0	0	0	0	0	0
19	0.1	0.01	0.1	0.02	0.02	0	0	0	0	0	0	0
20	0.02	11	0.1	0.02	0.02	0	0	0	0	0	0	0
21	0.02	7.0	0.1	0.02	0.02	0	0	0	0	0	0	0
22	0.02	3.3	0.1	0.02	0	0	0	0	0	0	0	0
23	0.02	5.0	0.1	0.02	0	0	0	0	0	0	0	0
24	0	4.0	0.1	0.02	0	0	0	0	0	0	0	0
25	0	3.5	6.3	0.02	0	0	0	0	0	0	0	0
26	0	2.2	24	0.02	0	0	0	0	0	0	0	0
27	0.1	2.2	19	0.02	0	0	0	0	0	0	0	0
28	0.1	1.3	11	0.2	0	0	0	0	0	0	0	0
29	0.01	1.0	8.2	0.01		0	0	0	0	0	0	0
30	0.01	0.7	7.2	0.01		0	0	0	0	0	0	0
31	0.01		6.4	0.01		0		0		0	0	
	27.51	46.57	87.3	36.91	10.98	0.2	0	0	0	0	3.0	0.12
MEAN	0.887	1.55	2.82	1.19	0.392	0.01	0	0	0	0	0.10	0.004
ACRE-FEET	55	92	173	73	22	0.4	0	0	0	0	6.0	0.2

Remarks:

YEAR OR PERIOD MEAN 0.582
ACRE-FEET 422

STATION F185-R
SEPULVEDA CREEK at Charnock Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°00'48", LONG. 118°25'29", ON THE LEFT (EAST) WING WALL OF THE DOWNSTREAM SIDE OF THE CHARNOCK ROAD BRIDGE, ABOUT 1200 FEET WEST OF SAWTELLE BOULEVARD AND APPROXIMATELY 2 MILES NORTHWEST OF CULVER CITY. ELEVATION OF ZERO GAGE HEIGHT, 79.12 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 25.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND ADOBE. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE 100 FEET BELOW THE STATION.

RECORDER: INSTALLED SEPTEMBER 15, 1932; REMOVED MARCH 3, 1937, DUE TO BRIDGE CONSTRUCTION; REINSTALLED AUGUST 11, 1937. REMOVED MARCH 3, 1938 DUE TO STILLING WELL BEING WASHED OUT. REINSTALLED JULY 7, 1938, OVER 20 INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN OPERATION FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND-FEET INTO SEPULVEDA CREEK ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EACH DAY.

RECORDS AVAILABLE: DISCHARGE MEASUREMENTS ONLY, JANUARY 1, 1932 TO SEPTEMBER 14, 1932. RECORDER RECORDS SEPTEMBER 15, 1932 TO MARCH 3, 1937, AUGUST 11, 1937 TO MARCH 2, 1938, AND JULY 7, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 1900 SECOND-FEET, DECEMBER 22.
MINIMUM NO FLOW AT VARIOUS TIMES.

1946-1947
MAXIMUM 2100 SECOND-FEET, NOVEMBER 13.
MINIMUM NO FLOW AT VARIOUS TIMES.

1932-1947
MAXIMUM 3,100 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SEPULVEDA CREEK

AT ~~NEAR~~ Charnock Road DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.FT.	RAT. IND	METH. OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
583	10/3	1205P / 1210P	BOLLINGER	3.5	1.27	0.61	5.16	0.78		.6	5	0	FC6
584	10/10	1122A / 1127A	"	4.0	1.65	0.41	5.03	0.68		.6	5	0	"
585	10/18	953A / 1000A	"	4.0	1.62	0.46	5.07	0.74		.6	6	0	"
586	10/25	1033A / 1038A	"	4.0	1.94	0.67	5.28	1.3		.6	4	-.01	"
587	11/1	1034A / 1042A	"	4.2	2.31	0.38	5.24	0.88		.6	6	-.01	"
588	11/8	1105A / 1110A	"	4.2	1.78	0.41	5.03	0.73		.6	4	0	"
589	11/15	1055A / 1102A	"	4.5	2.50	0.40	5.06	1.0		.6	5	0	"
590	11/21	1110A / 1115A	"	4.0	1.79	0.47	5.13	0.85		.6	4	0	"
591	11/29	1110A / 1116A	"	5.0	4.41	0.59	5.47	2.6		.6	5	-.03	"
592	12/7	1145A / 1152A	"	5.5	3.00	0.67	5.42	2.0		.6	5	0	"
593	12/13	1117A / 1122A	"	4.5	2.31	0.65	5.27	1.5		.6	5	+.02	"
594	12/20	1009A / 1014A	"	4.0	2.39	0.72	5.35	1.7		.6	4	0	"
595	12/22	540A / 608A	BOLLINGER / ECKERT	36.5	92.6	4.06	7.49	376.		.6	11	+.71	"
596	12/23	1014A / 1020A	BOLLINGER	12.0	11.5	2.11	5.94	24.3		.6	8	-.03	"
597	12/27	1113A / 1118A	"	2.3	0.41	1.22	5.20	0.50		.6	3	0	"
598	1/3	1130A / 1136A	"	3.0	0.64	1.42	5.18	0.91		.6	4	0	"
599	1/10	1045A / 1050A	"	3.4	0.68	1.26	5.26	0.86		.6	4	-.04	"
600	1/17	122P / 127P	"	2.2	0.27	1.07		0.29		.6	3		"
601	2/7	1230P / 1235P	"	3.0	0.70	1.08	5.00	0.76		.5	4	-.01	"
602	2/14	103P / 108P	"	4.2	1.46	0.96	5.04	1.4		.6	4	0	"
603	2/21	120P / 126P	"	3.2	0.83	1.21	5.00	1.0		.5	4	0	"
604	2/28	106P / 113P	"	2.8	0.68	1.12	4.95	0.76		.5	5	0	"
605	3/14	1045A / 1051A	BOLLINGER	2.8	0.84	1.03	4.94	0.87		.5	4	0	FC6
606	3/19	806A / 812A	BOLLINGER / ECKERT	9.2	5.76	1.58	5.61	9.1		.6	8	-.04	"
607	3/20	216P / 225P	BOLLINGER	11.0	7.42	1.12	5.60	8.3		.6	9	-.04	"
608	3/20	234P / 242P	"	11.0	6.65	1.04	5.52	6.9		.6	9	+.01	"
609	3/21	1017A / 1022A	"	2.2	0.42	1.74	4.77	0.73		.6	4	0	"
610	3/28	1008A / 1020A	"	9.1	5.44	1.59	5.66	8.6		.6	8	-.07	"
611	3/30	533A / 546A	BOLLINGER / ECKERT	34.0	36.4	3.16	6.72	115.		.6	9	-.16	"
612	3/31	1111A / 1121A	ECKERT / BOLLINGER	4.5	1.58	0.41	5.26	0.65		.6	6	0	"
613	4/2	630A / 640A	BOLLINGER	11.5	4.80	1.67	5.72	8.0		.6	10	-.02	"
614	4/4	1026A / 1030A	"	1.8	0.39	0.85	5.07	0.33		.5	2	-.01	"
615	4/18	1022A / 1027A	"	2.5	0.91	1.43	5.04	1.3		.5	4	+.05	"
616	5/2	1022A / 1028A	"	3.0	1.38	1.09	5.28	1.5		.5	5	+.02	"
617	5/9	947A / 953A	"	4.0	1.66	0.96	5.39	1.6		.5	5	-.02	"
618	5/23	1135A / 1138A	"	4.0	1.50	1.40	5.38	2.1		.5	5	+.01	"
619	5/31	1100A / 1105A	"	3.0	1.17	1.22	5.32	1.4		.5	4	+.01	"
620	6/6	215P / 221P	"	3.5	0.85	0.71	5.17	0.65		.5	4	0	"
621	6/20	1140A / 1148A	"	2.5	1.12	0.71	5.11	0.75		.5	5	0	"
622	6/27	1054A / 1059A	"	3.0	1.14	0.60	5.11	0.69		.5	4	0	"
623	7/3	1205P / 1210P	HAIG	0.6	0.18	0.11	4.78	0.02		.5	2	0	FC35
624	7/10	1005A / 1010A	"	1.0	0.40	0.50	4.90	0.20		.5	3	0	"
625	7/17	1037A / 1040A	"	1.0	0.56	1.54	5.10	0.86		.5	2	0	"
626	7/25	1048A / 1053A	BOLLINGER	3.3	1.11	0.76	5.15	0.84		.5	5	0	FC6
627	8/1	757A / 802A	"	2.0	0.38	1.03	5.08	0.39		.5	3	0	"
628	8/8	522A / 528A	BOLLINGER	6.0	2.70	1.18	5.66	3.2		.5	7	0	FC6
629	8/8	550A / 555A	"	5.2	1.23	0.89	5.24	1.1		.5	5	0	"
630	8/14	940A / 945A	"	2.8	0.79	1.02	5.12	0.81		.5	4	0	"
631	8/21	915A / 922A	"	3.7	1.22	0.77	5.15	0.94		.5	5	0	"
632	8/29	851A / 854A	"	1.4	0.17	0.53	5.02	0.09		.5	2	-.01	"
633	9/5	1023A / 1026A	"	2.0	0.30	0.63	5.07	0.19		.5	3	-.02	"
634	9/12	945A / 950A	"	4.0	1.18	0.61	5.26	0.72		.5	5	0	"
635	9/19	1145A / 1150A	"	2.3	0.54	0.74	5.16	0.40		.5	3	0	"
636	9/26	1250P / 1256P	"	3.0	0.65	0.66	5.20	0.43		.5	4	0	"

DISCHARGE MEASUREMENTS OF SEPULVEDA CREEK

AT NEAR Charnock Road DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
637	10-1	1018A / 1026A	BOLLINGER	5.00	4.30	0.61	5.67	2.6		.6	5	-.02	FC6
638	10-10	1018A / 1021A	"	2.50	0.47	0.62	5.12	0.29		.5	2	-.01	"
639	10-17	1023A / 1028A	"	1.90	0.37	1.13	5.14	0.42		.5	3	+.01	"
640	10-24	1111A / 1117A	"	2.00	0.55	1.04	5.16	0.57		.5	3	+.01	"
641	10-31	116P / 121P	"	2.00	0.71	1.41	5.14	1.0		.5	3	-.01	"
642	11-7	1048A / 1054A	"	1.80	0.51	1.06	5.04	0.54		.5	3	-.01	"
643	11-12	747A / 812A	BOLLINGER - PAULL	40.0	87.8	3.62	7.41	318.		.6	9	+.04	"
644	11-12	1213P / 1218P	" "	7.50	11.4	1.32	5.98	15.1		.6	6	-.02	"
645	11-13	1057A / 1108A	" "	36.0	54.2	2.32	6.89	126.		.6	9	-.33	"
646	11-14	1220P / 1226P	" "	7.50	8.80	1.36	5.93	12.0		.6	7	-.02	"
647	11-20	1008A / 1023A	" "	33.5	31.4	2.73	6.59	85.9		.6	11	-.09	"
648	11-23	915A / 927A	" "	41.0	11.	5.44	8.30	604.		.6	10	-.26	"
649	11-27	1105A / 1108A	BOLLINGER	4.00	1.15	0.96	5.31	1.1		.6	4	0	"
650	12-5	1050A / 1055A	"	3.30	1.02	0.73	5.15	0.74		.5	4	0	"
651	12-27	1140A / 1146A	BOLLINGER - PAULL	10.0	7.58	1.35	5.70	10.2		.6	7	0	"
652	1-2	224P / 227P	BOLLINGER	2.50	0.41	0.93	4.98	0.38		.5	3	0	"
653	1-9	243P / 248P	"	4.00	0.80	1.37	4.95	1.1		.5	4	0	"
654	1-16	310P / 316P	"	2.20	0.82	1.71	4.82	1.4		.5	3	0	"
655	1-23	148P / 157P	"	3.40	0.99	1.36	4.85	1.4		.5	4	0	"
656	2-6	320P / 326P	"	2.00	0.40	1.72	5.00	0.69		.5	3	0	"
657	2-20	226P / 233P	"	3.00	0.79	1.52	5.26	1.2		.5	4	-.02	"
658	2-27	235P / 240P	"	3.00	0.99	1.41	5.27	1.4		.5	4	-.01	"
659	3-6	258P / 305P	"	3.30	1.54	1.17	5.24	1.8		.5	5	-.02	"
660	3-13	300P / 306P	"	3.30	1.24	0.89	5.24	1.1		.5	4	-.02	"
661	3-27	100P / 109P	"	7.50	8.97	1.33	5.74	11.9		.5	7	0	"
662	4-10	953A / 956A	"	2.80	0.78	1.20	5.12	0.93		.5	3	0	"
663	4-18	1125A / 1135A	"	3.00	0.96	2.08	5.16	2.0		.5	4	0	"
664	5-1	1107P / 1112P	"	2.80	1.98	0.91	5.18	1.8		.6	4	+.01	"
665	5-8	307P / 315P	"	3.00	1.49	1.28	5.16	1.9		.5	5	0	"
666	5-15	1050A / 1056A	"	2.80	1.23	1.46	5.16	1.8		.5	4	0	"
667	6-5	126P / 132P	"	5.00	2.03	0.74	5.21	1.5		.5	4	0	"
668	7-10	930A / 935A	"	2.00	0.25	0.64	5.11	0.16		.5	3	0	"
669	7-17	310P / 313P	"	2.70	1.13	0.97	5.21	1.1		.5	3	0	"
670	7-30	945A / 948A	MOON	1.20	0.24	1.17	5.18	0.28		.5	3	0	FC22
671	8-6	1050A / 1053A	"	1.00	0.60	1.60	5.22	0.96		.5	2	0	"
672	8-13	1014A / 1017A	"	1.50	1.02	1.57	5.25	1.6		.5	2	0	"
673	8-21	1240P / 1250P	BOLLINGER	2.40	0.97	1.34	5.27	1.3		.5	3	+.01	FC6
674	8-28	1025A / 1030A	"	3.00	0.89	0.91	5.22	0.81		.5	3	0	"
675	9-4	950A / 953A	"	2.50	0.85	0.80	5.22	0.68		.5	3	0	"
676	9-18	114P / 118P	"	2.50	1.10	1.91	5.28	2.1		.5	3	0	"
677	9-25	935A / 940A	"	2.50	0.67	0.72	5.16	0.48		.5	4	0	"

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F185-R

Daily discharge, in second-feet of SEPULVEDA CREEK at Charnock Road for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.0	0.4	1.8	0.1	0.3	6.0	1.4	0.6	0.3	0.4	1.0
2	0.6	0.8	0.4	1.5	0.1	0.5	16	2.2	0.9	0.3	0.2	0.9
3	0.8	1.0	0.4	1.0	144	0.6	1.3	1.9	0.7	0.2	0.4	1.0
4	0.9	1.3	3.3	1.0	0.4	1.1	0.9	1.5	0.7	0.5	0.4	0.5
5	0.2	1.0	0.2	5.9	0.4	1.2	2.0	1.5	0.9	0.6	0.4	0.3
6	20	12	3.4	0.9	0.4	1.1	17	1.8	0.8	0.6	0.6	0.4
7	0.9	1.1	0.6	0.9	0.6	0.8	2.2	0.7	0.7	0.6	0.6	0.7
8	0.9	1.1	0.3	0.9	0.5	1.2	2.6	1.4	0.5	0.6	0.6	1.0
9	1.1	1.1	0.5	0.9	0.5	0.9	1.4	1.8	0.5	0.7	0.9	1.0
10	1.0	1.1	1.5	0.9	0.6	1.2	3.2	3.4	0.6	0.6	0.7	1.0
11	1.4	1.2	1.4	0.9	0.6	3.0	2.8	+	0.9	0.8	0.7	1.0
12	1.2	1.1	1.7	0.9	1.4	2.2	3.4	0.3	0.9	0.7	0.6	1.0
13	1.2	1.5	1.9	0.9	0.9	6.6	5.2	+	1.4	0.7	0.4	0.8
14	1.1	1.2	2.0	0.1	1.0	1.7	4.5	+	1.0	0.7	0.4	0.6
15	1.4	1.1	1.3	0.1	2.2	1.1	4.7	1.1	1.2	0.8	0.4	0.5
16	1.1	1.1	0.5	0.1	0.6	1.3	3.6	3.8	0.9	0.4	1.0	0.6
17	0.9	1.0	1.5	0.1	0.8	1.0	3.9	0.3	1.3	0.8	0.7	0.6
18	0.9	1.0	1.2	0.1	0.7	1.8	4.3	0.5	1.3	0.5	0.8	0.7
19	0.9	1.2	0.1	0.1	0.8	52	3.6	0.6	0.9	0.8	0.7	0.6
20	0.8	1.1	1.0	0.1	1.2	38	4.3	0.1	0.9	0.8	1.0	0.6
21	0.9	1.1	290	0.1	0.7	1.2	1.8	0.1	1.0	0.7	1.4	0.6
22	1.2	1.2	434	0.1	0.7	0.7	1.3	0.2	1.3	0.6	0.8	0.6
23	0.9	1.5	172	0.1	0.7	0.8	3.0	1.0	1.3	0.9	0.8	0.6
24	1.1	1.5	7.3	0.1	0.6	1.0	2.6	0.7	1.0	1.0	0.9	0.6
25	1.0	1.6	8.0	0.1	0.6	1.3	1.7	0.8	0.9	1.0	0.9	0.6
26	1.1	1.7	1.0	0.1	0.6	2.1	1.4	0.8	0.9	0.7	1.1	0.5
27	1.1	1.8	1.5	0.1	1.4	3.0	2.0	1.0	0.9	0.7	1.2	0.5
28	1.5	1.5	1.9	0.1	0.6	59	2.4	0.7	0.7	0.6	1.1	0.7
29	18	7.3	2.0	0.1		52	2.3	1.2	0.9	0.7	0.6	0.9
30	16	0.2	2.2	0.1		134	1.7	0.6	0.6	0.6	0.9	0.7
31	1.0		2.0	0.1		8.1		1.0		0.5	1.0	
	81.7	52.4	945.5	20.2	163.7	380.8	113.1	32.4	27.1	20.0	22.6	21.1
MEAN	2.64	1.75	30.5	0.65	5.85	12.3	3.77	1.05	0.90	0.65	0.73	0.70
ACRE-FEET	162.	104.	1,880.	40.	325.	755.	224.	64.	54.	40.	45.	42.

Remarks:

YEAR OR PERIOD MEAN 5.15
ACRE-FEET 3,740.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

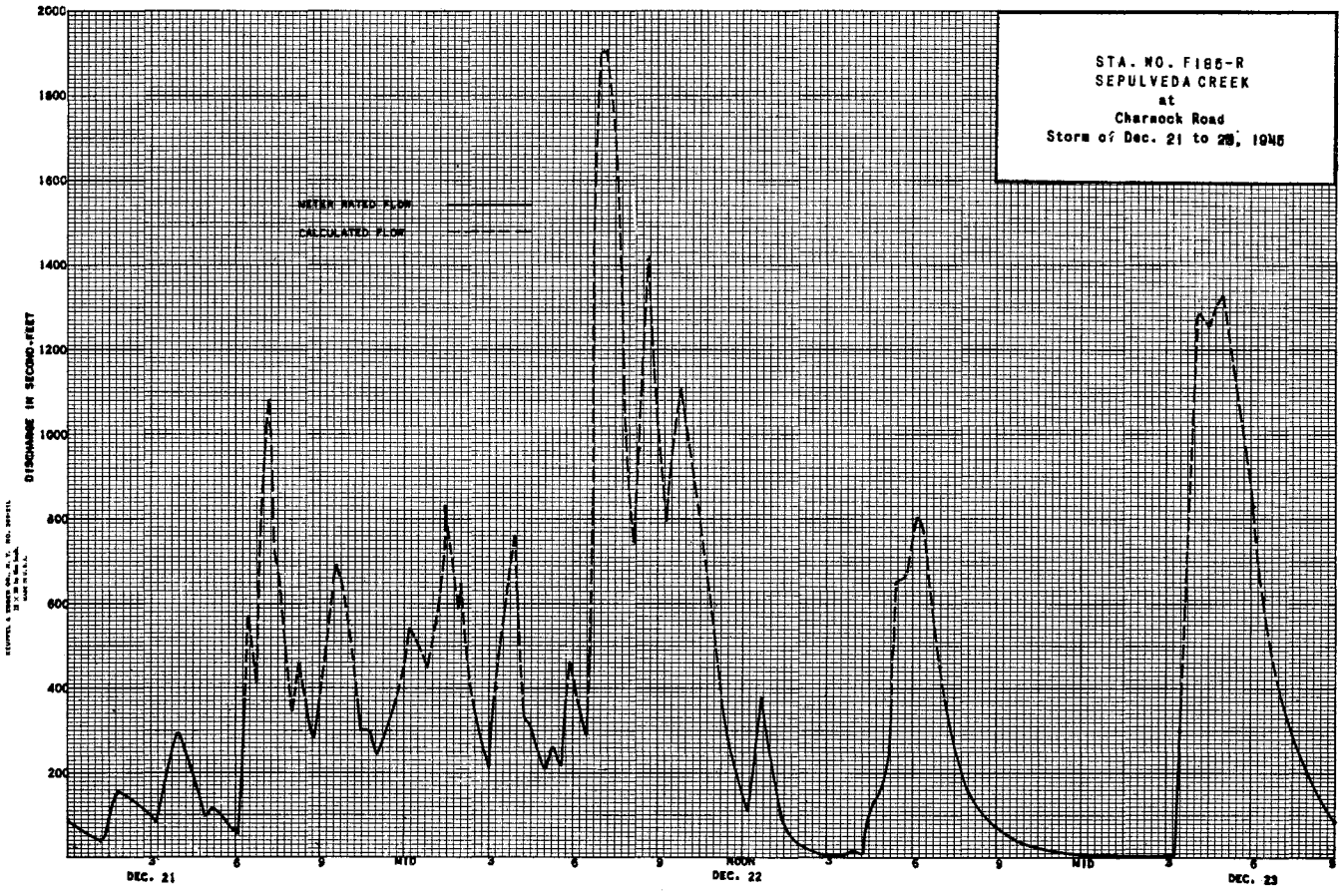
Sta. No. F 185-R

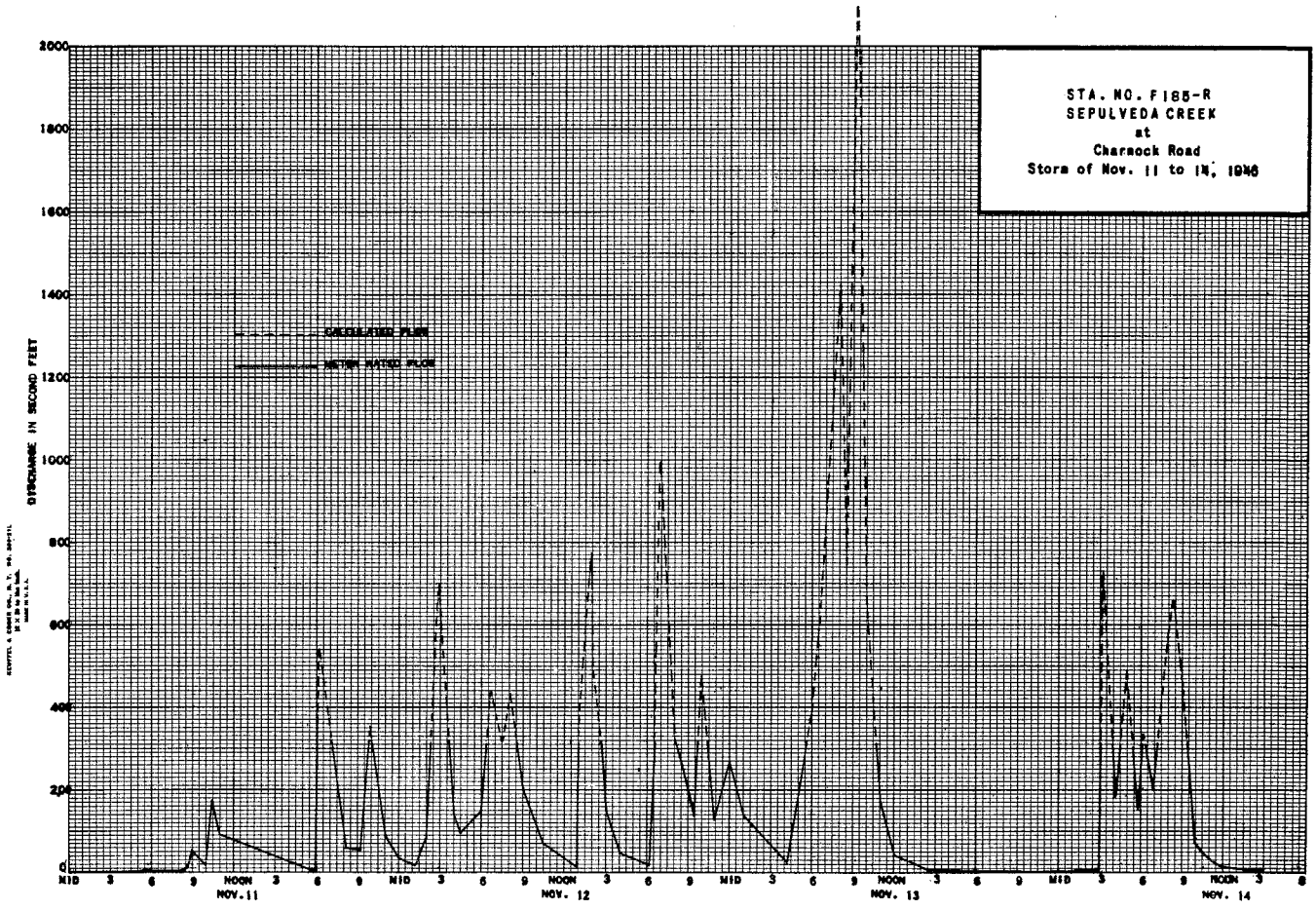
Daily discharge, in second-feet of SEPULVEDA CREEK at Charnock Road, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	0.5	0.6	a 0.5	0.6	a 1.0	0.6	1.4	1.2	0.3	0.6	0.9
2	0.7	0.5	0.8	a 0.4	0.8	a 1.0	0.8	1.6	1.3	0.2	0.6	0.8
3	0.9	0.5	0.8	0.5	1.0	a 3.8	0.9	1.6	1.2	0.3	0.6	0.8
4	0.6	0.5	0.8	0.6	0.8	a 1.6	0.7	1.4	1.1	0.2	0.7	0.6
5	0.6	0.5	0.8	0.6	1.1	2.2	0.9	1.7	1.2	0.3	0.8	0.6
6	1.0	0.7	40	0.8	0.7	1.6	0.9	1.7	1.0	0.2	0.9	0.7
7	1.4	0.6	0.5	1.0	0.6	1.7	0.9	1.7	0.9	0.3	0.9	0.7
8	0.6	1.0	0.5	1.1	0.6	1.4	0.9	1.8	0.8	0.3	0.9	0.7
9	0.5	0.6	0.5	1.2	91	1.4	1.1	1.7	0.6	0.3	1.0	0.6
10	0.4	0.6	0.7	b 1.2	0.9	1.4	0.9	1.7	0.6	0.3	1.1	0.7
11	0.6	70	0.6	b 1.2	0.9	1.4	0.9	1.7	0.6	0.3	1.1	0.6
12	0.7	234	0.6	b 1.2	0.9	1.5	1.0	1.7	0.6	0.4	1.5	0.9
13	0.7	244	0.6	b 1.3	0.8	1.0	1.3	1.6	0.5	0.6	1.6	0.7
14	0.8	116	0.6	b 1.4	0.9	0.9	1.2	1.4	0.5	0.6	2.2	1.2
15	0.7	1.0	0.5	b 1.4	0.6	0.6	1.5	1.7	0.3	0.7	1.2	0.7
16	8.5	1.0	0.6	f 1.4	0.9	0.4	1.4	1.5	0.2	0.8	1.4	0.6
17	0.6	0.9	0.5	1.6	1.1	0.3	1.4	1.6	0.1	1.0	1.0	1.1
18	0.6	0.9	0.5	2.0	3.0	0.3	1.9	1.5	0.1	1.0	0.9	2.0
19	0.6	3.5	0.5	0.8	1.0	0.3	1.4	1.4	0.1	0.9	1.0	0.5
20	0.6	165	0.5	1.4	0.8	3.0	1.4	1.4	0.2	0.9	1.1	0.5
21	0.6	1.1	0.5	1.7	2.5	2.8	1.3	1.4	0.2	0.7	1.5	0.5
22	0.6	0.9	0.5	1.2	0.7	1.0	1.8	1.3	0.2	0.7	1.0	0.6
23	0.6	209	0.5	0.8	2.3	1.0	1.4	1.4	0.2	0.7	0.9	0.5
24	0.6	b 0.8	73	0.7	5.5	0.9	1.5	1.2	0.3	0.6	1.0	0.5
25	0.7	b 0.8	328	0.7	3.3	5.3	1.5	1.4	0.3	0.6	1.0	0.5
26	0.7	0.7	20	0.8	2.0	10	1.4	1.1	0.2	0.6	0.9	0.6
27	5.0	1.6	f 35	0.6	a 1.0	15	1.3	1.4	0.2	0.6	1.0	0.5
28	0.6	0.7	a 0.9	37	a 1.0	46	1.2	1.2	0.2	0.4	0.9	0.6
29	0.5	0.7	a 0.8	0.5		0.8	1.9	1.0	0.2	0.5	1.0	0.6
30	0.5	0.6	a 0.7	0.3		0.7	1.7	1.0	0.2	0.5	0.9	0.6
31	0.6		a 0.6	0.6		0.6		1.2		0.8	0.8	
	103.1		512.0		127.3		37.0		15.3		32.0	
		1059.2		66.5		110.9		45.4		16.6		21.4
MEAN	3.33	35.3	16.5	2.15	4.55	3.58	1.23	1.46	0.51	0.54	1.03	0.71
ACRE-FEET	204	2,100	1,020	132	252	220	73	90	30	33	63	42

Remarks:

YEAR OR PERIOD MEAN 5.88
ACRE-FEET 4,260





STATION FN3-R

SYCAMORE UPPER STORM DRAIN 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 FEET WIDE AND 8 FEET DEEP, INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 30, 1928 IN A 3 FT. X 4 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. RECORDER REINSTALLED OCTOBER 1, 1935. STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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'S HYDRAULIC DIVISION. RECORDS PUBLISHED FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 89 SECOND-FEET, FEBRUARY 3.
MINIMUM NO FLOW AT VARIOUS TIMES.

1946-1947
MAXIMUM 175 SECOND-FEET, DECEMBER 25.
MINIMUM NO FLOW AT VARIOUS TIMES.

1928-1946
MAXIMUM NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 340 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SYCAMORE UPPER STORM DRAIN

AT OR NEAR above Solway Street DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
45	3/21	205P / 208P	"	1.6	0.09	1.00		0.09		SURF	4	0	FC35
46	4/11	320P / 322P	"	1.6	0.10	1.00		0.10		"	4	0	"
47	4/18	105P / 110P	"	1.5	0.08	1.75		0.14		"	3	0	"
48	4/25	1254P / 1255P	"	1.2	0.06	2.00		0.12		"	4	0	"
49	5/9	230P / 233P	"	0.80	0.05	0.80		0.04		"	2	0	"
50	5/23	100P / 102P	"	0.60	0.04	0.75		0.03		"	2	0	"
51	5/31	125P / 130P	"	0.80	0.04	1.00		0.04		.5	4	0	"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE UPPER STORM DRAIN above Solway Street, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.05	0.05	0.1	0.2	0.04	+	+	+	+
2	0	0	0	0.05	0.05	0.1	0.2	0.04	+	+	+	+
3	0.03	0	0	0.05	3.7	0.1	0.2	0.04	+	+	+	+
4	0.02	0	0.02	0.05	0.1	0.1	0.2	0.04	+	+	+	+
5	0.01	0	0	0.05	0.1	0.1	0.2	0.04	+	+	+	+
6	0.01	0.07	0.01	0.05	0.1	0.1	0.3	0.04	+	+	+	+
7	0.01	0	0.01	0.05	0.1	0.1	0.1	0.04	+	+	+	+
8	0.01	0	0.01	0.05	0.1	0.1	0.1	0.04	+	+	+	+
9	0.01	0	0.01	0.05	0.1	0.1	0.1	0.04	+	+	+	+
10	0.01	0	0	0.05	0.1	0.1	0.1	0.04	+	+	+	+
11	0.01	0	0.02	0.05	0.1	0.1	0.1	0.04	+	+	+	+
12	0.01	0	0	0.05	0.1	0.1	0.1	0.04	+	+	+	+
13	0.01	0	0.01	0.05	0.1	0.2	0.1	0.04	+	+	+	+
14	0.01	0	0.01	0.05	0.1	0.1	0.1	0.04	+	+	+	+
15	0.01	0	0.01	0.05	0.2	0.1	0.1	0.04	+	+	+	+
16	0	0.01	0.01	0.05	0.1	0.1	0.1	0.04	+	+	+	+
17	0	0	0	0.05	0.1	0.1	0.1	0.04	+	+	+	+
18	0	0	0	0.05	0.06	0.2	0.1	0.04	+	+	+	+
19	0	0	0	0.05	0.06	0.6	0.1	0.04	+	+	+	+
20	0.01	0.01	0.01	0.05	0.06	0.1	0.1	0.04	+	+	+	+
21	0.01	0	0.9	0.05	0.06	0.1	0.1	0.04	+	+	+	+
22	0	0	3.6	0.05	0.1	0.06	0.1	0.04	+	+	+	+
23	0	0	2.1	0.05	0.1	0.06	0.1	0.04	+	+	+	+
24	0	0	0.2	0.05	0.1	0.06	0.1	0.04	+	+	+	+
25	0.01	0	0.1	0.05	0.1	0.06	0.1	0.04	+	+	+	+
26	0.01	0	0.1	0.05	0.1	0.06	0.1	0.04	+	+	+	+
27	0.01	0	0.1	0.05	0.1	0.1	0.1	0.04	+	+	+	+
28	0.01	0	0.06	0.05	0.1	0.2	0.06	0.04	+	+	+	+
29	0.08	0.06	0.06	0.05		0.2	0.06	0.04	+	+	+	+
30	0.03	0.01	0.06	0.05		2.4	0.06	0.04	+	+	+	+
31	0		0.06	0.05		0.3		0.04		+	+	
	0.33	0.16	7.47	1.55	6.24	6.3	3.58	1.24	+	+	+	+
MEAN	0.01	+	0.24	0.05	0.22	0.20	0.12	0.04	+	+	+	+
ACRE-FEET	0.6	0.3	15.	3.1	13.	12.	7.1	2.5	+	+	+	+

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

YEAR OR PERIOD MEAN 0.07 ACRE-FEET 54.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

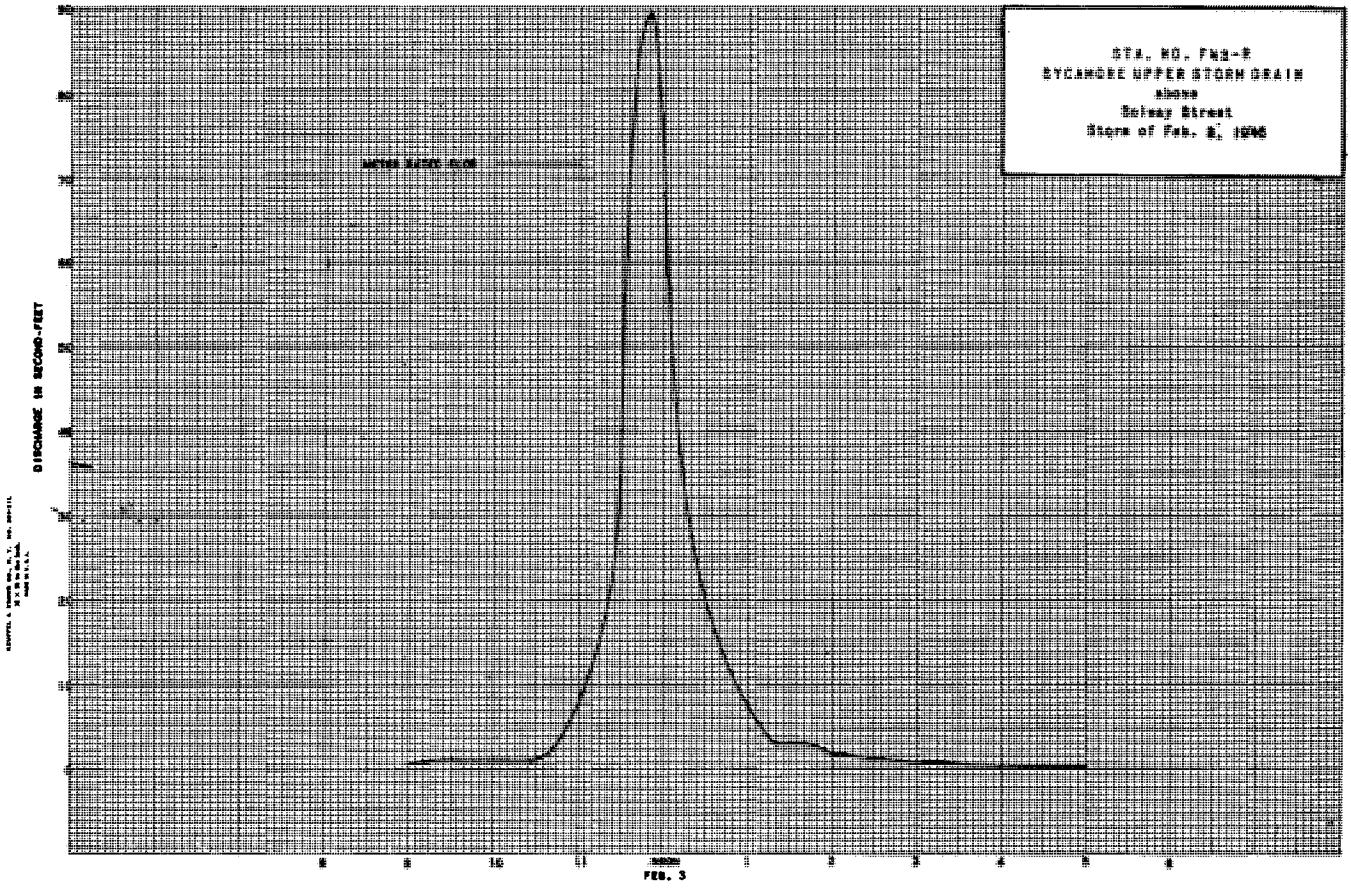
Sta. No. F 43-R

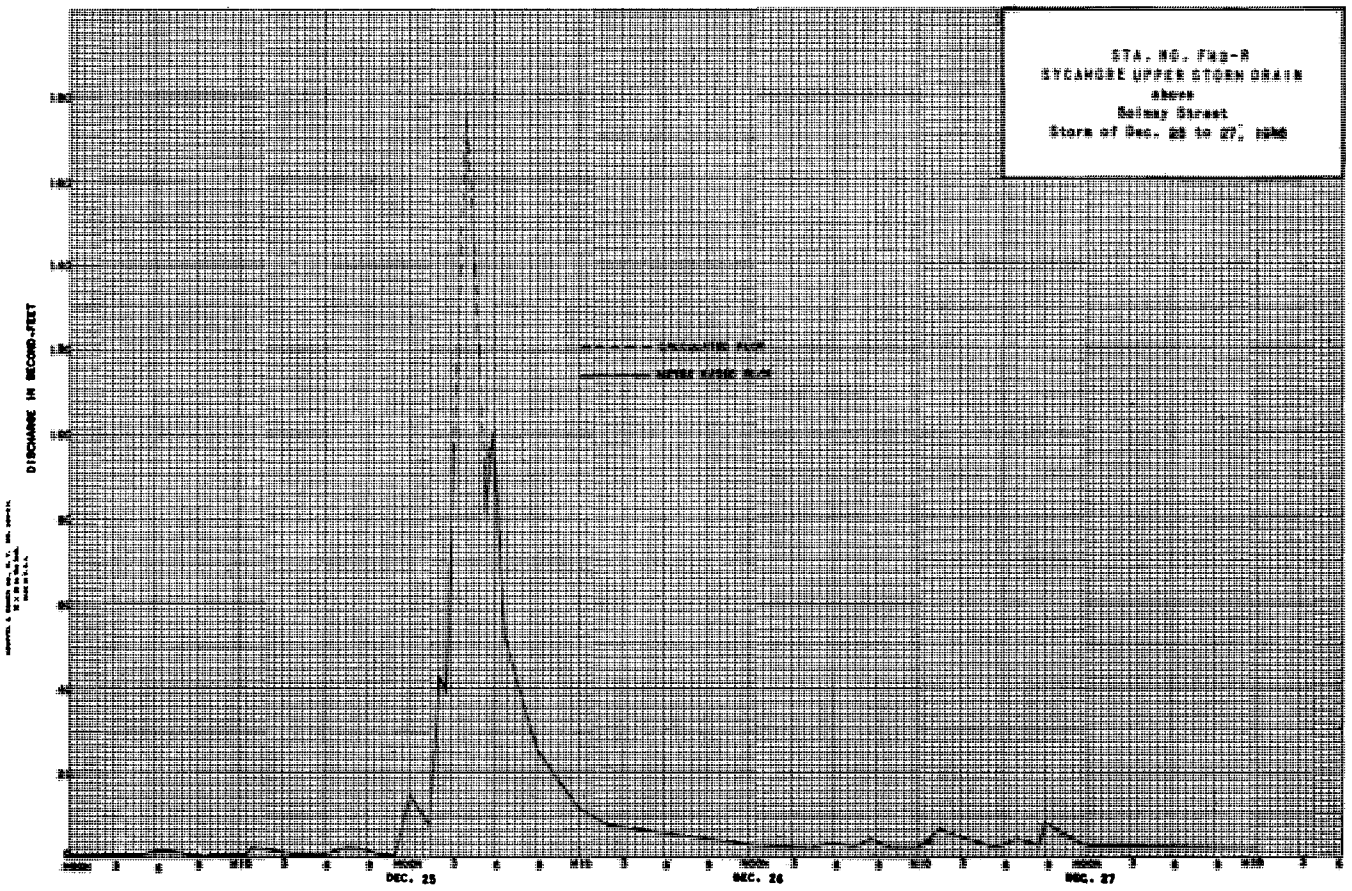
Daily discharge, in second-feet of SYCAMORE UPPER STORM DRAIN above Solway Street, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	a +	▼ 0.5	▼ 0.1	▼ +	▼ +	0	+	+	+	+
2	0	+	a +	0.5	0.1	+	+	0	+	+	+	+
3	0	+	a +	0.5	+	+	+	0	+	+	+	+
4	0	0	a +	0.4	+	+	+	0	+	+	+	+
5	0	0	f +	0.4	+	+	+	0	+	+	+	+
6	+	0	0.1	0.3	+	+	+	0	+	+	+	+
7	+	0	+	0.2	+	+	+	0	+	+	+	+
8	0	+	+	0.2	+	+	+	0	+	+	+	+
9	0	0	+	0.2	0.4	+	+	0	+	+	+	+
10	0	0	+	0.2	0.1	+	+	0	+	+	+	+
11	0	0.2	+	0.2	0.1	+	+	0	+	+	+	+
12	0	3.7	+	0.2	+	+	+	0	+	+	+	+
13	0	4.3	+	0.2	+	+	+	0	+	+	+	+
14	+	0.5	+	0.2	+	+	+	0	+	+	+	+
15	+	0.4	+	0.2	+	+	+	0	+	+	+	+
16	+	0.4	+	0.2	+	+	+	+	+	+	+	+
17	0	0.3	+	0.2	+	+	+	+	+	+	+	+
18	+	0.1	+	0.2	+	0.1	+	+	+	+	+	+
19	+	0.1	+	0.2	+	0.1	+	+	+	+	+	+
20	+	3.2	+	0.1	+	0.1	+	+	+	+	+	+
21	0	0.2	+	0.1	+	0.1	+	+	+	+	+	+
22	0	0.1	+	+	+	0.1	+	+	+	+	+	+
23	0	1.0	+	+	+	+	+	+	+	+	+	+
24	+	0.2	0.4	+	+	+	+	+	+	+	+	+
25	+	+	27	+	+	+	+	+	+	+	+	+
26	+	+	4.5	+	+	+	+	+	+	+	+	+
27	0.4	+	3.0	+	+	+	+	+	+	+	+	+
28	0.1	+	1.8	0.3	▼ +	+	+	+	+	+	+	+
29	0	+	0.6	0.2		+	+	+	+	+	+	+
30	0	a +	▼ 0.6	0.1		+	▼ +	+	+	+	+	+
31	0		▼ 0.6	▼ 0.1		▼ +				+	+	
	0.5	14.7	38.6	6.1	0.8	0.5	+	+	+	+	+	+
MEAN	0.02	0.49	1.25	0.20	0.03	0.02	+	+	+	+	+	+
ACRE-FEET	1.0	29	77	12	1.6	1.0	+	+	+	+	+	+

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

YEAR OR PERIOD MEAN 0.17 ACRE-FEET 122.


STA. NO. Fkg-8
SYCAMORE UPPER STORM DRAIN
above
Delmay Street
Storm of Feb. 2, 1945
DISCHARGE IN SECOND-FEET
FEB. 3


STA. NO. Fkg-8
SYCAMORE UPPER STORM DRAIN
above
Delmay Street
DISCHARGE IN SECOND-FEET
DEC. 25
DEC. 26
DEC. 27

STATION F4W-R
SYCAMORE LOWER STORM DRAIN at Adams Square

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'02", LONG. 118°14'30", IN MANHOLE IN YARD OF UNION OIL COMPANY SERVICE STATION AT SOUTHWEST CORNER OF ADAMS STREET AND CHEVY CHASE DRIVE, ON THE LEFT (SOUTH) SIDE OF THE DRAIN, ABOUT 30 FEET WEST OF WEST CURB OF ADAMS STREET ABOUT 1 MILE SOUTHEAST OF GLENDALE. ELEVATION OF GAGE ABOUT 495 FEET.

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 IN OPEN CHANNEL BELOW STATION.

RECORDER: INSTALLED DECEMBER 15, 1928, UNDERGROUND IN A 3 FT. X 4 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 552 SECOND-FEET, FEBRUARY 3.
MINIMUM NO FLOW AT VARIOUS TIMES.
1946-1947
MAXIMUM 370 SECOND-FEET, DECEMBER 25
MINIMUM NO FLOW AT VARIOUS TIMES.
1927-1947
MAXIMUM 2,800 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 LOWER STORM DRAIN

~~AT NEAR~~ Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
74	10/29	1031A / 1037A	DEVORE	9.0	1.41	3.55	0.22	5.0		FLOAT	4	0	FC42 FLOAT
75	11/29	1010A / 1014A	HAIG	4.0	0.34	1.00	0.09	0.34		"	4	0	
76	2/7	250P / 253P	"	2.0	0.10	1.20	0.05	0.12		"	4	0	
77	2/25	405P / 410P	"	2.0	0.06	0.93	0.04	0.05		"	4	0	
78	3/21	238P / 240P	"	2.2	0.11	1.18	0.06	0.13		"	4	0	
79	4/18	135P / 138P	"	3.0	0.12	1.08	0.06	0.13		"	3	0	
80	4/25	110P / 115P	"	4.0	0.20	1.20	0.06	0.24		SURF	4	0	FC35
81	5/9	249P / 250P	"	0.80	0.06	0.66	0.03	0.04		FLOAT	2	0	
82	5/23	125P / 128P	"	0.80	0.04	0.75	0.04	0.03		SURF	2	0	FC35
83	6/6	250P / 255P	"	2.0	0.24	1.12	0.07	0.27		"	4	0	"
84	6/20	320P / 323P	"	0.60	0.02	1.00	0.02	0.02		"	2	0	"

DISCHARGE MEASUREMENTS OF SYCAMORE LOWER STORM DRAIN

~~AT NEAR~~ Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
85	1-16	155P / 200P	WADDICOR	2.3	0.12	1.17	0.04	0.14		FLOATS	5	0	
86	1-23	205P / 210P	"	2.0	0.14	1.36	0.05	0.19		"	4	0	
87	1-30	225P / 228P	"	3.3	0.24	1.25	0.07	0.30		"	4	0	
88	3-20	305P / 310P	BLAKELY	9.0	2.34	5.30	0.32	12.4		"	1	0	

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F44-R

Daily discharge, in second-feet of SYCAMORE LOWER STORM DRAIN at Adams Square, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.01	0.05	0.1	0.05	0.05	1.3	0.3	0.03	0.01	0.02	0.03
2	0.01	0.01	0.03	0.2	0.1	0.1	3.7	0.3	0.02	0.01	0.02	0.03
3	0.04	0.01	0.4	0.05	56	0.2	0.7	0.3	0.1	0.02	0.02	0.03
4	0.01	0.01	0.5	0.05	1.0	0.1	0.7	0.3	0.2	0.01	0.02	0.03
5	0.01	0.01	0.2	0.05	0.3	0.05	0.5	0.3	0.2	0.02	0.03	0.05
6	0.4	1.4	0.03	0.05	0.2	0.05	2.3	0.3	0.2	0.02	0.02	0.05
7	0.02	0.02	0.03	0.05	0.1	0.05	0.7	0.2	0.2	0.02	0.03	0.03
8	0.01	0.01	0.03	0.05	0.1	0.05	0.5	0.03	0.1	0.02	0.03	0.02
9	0.01	0.01	0.03	0.05	0.1	0.05	0.4	0.03	0.03	0.02	0.02	0.02
10	0.06	0.01	0.03	0.05	0.1	0.05	0.3	0.03	0.03	0.02	0.03	0.02
11	0.01	0.01	1.4	0.05	0.1	0.05	0.2	0.03	0.05	0.02	0.03	0.02
12	0.01	0.01	0.03	0.05	0.1	0.05	0.2	0.03	0.2	0.02	0.03	0.02
13	0.01	0.1	0.02	0.05	0.1	6.3	0.2	0.05	0.1	0.03	0.03	0.02
14	0.01	0.04	0.02	0.05	0.1	0.3	0.2	0.1	0.05	0.01	0.03	0.02
15	0.01	0.01	0.03	0.05	5.6	0.02	0.2	0.1	0.03	0.02	0.03	0.01
16	0.01	0.01	0.03	0.05	0.2	0.01	0.3	0.1	0.02	0.01	0.03	0.01
17	0.01	0.01	0.03	0.05	0.1	0.01	0.3	0.05	0.02	0.02	0.05	0.01
18	0.01	0.01	0.02	0.05	0.1	0.01	0.2	0.1	0.02	0.02	0.6	0.01
19	0.01	0.01	0.02	0.05	0.1	13	0.2	0.1	0.02	0.02	0.5	0.01
20	0.01	0.01	0.02	0.05	0.1	3.6	0.3	0.1	0.02	0.02	0.05	0.01
21	0.01	0.01	32	0.05	0.1	0.2	0.3	0.1	0.02	0.01	0.05	0.01
22	0.01	0.01	43	0.05	0.05	0.2	0.3	0.1	0.02	0.02	0.05	0.01
23	0.01	0.06	17	0.05	0.05	0.2	0.3	0.05	0.02	0.01	0.05	0.01
24	0.01	0.01	0.3	0.05	0.05	0.2	0.3	0.05	0.02	0.01	0.05	0.01
25	0.01	0.01	0.3	0.05	0.05	0.1	0.2	0.1	0.02	0.01	0.05	0.01
26	0.03	0.01	0.2	0.05	0.05	0.1	0.2	0.1	0.02	0.01	0.03	0.01
27	0.01	0.01	0.2	0.05	0.05	0.1	0.3	0.1	0.01	0.01	0.03	0.01
28	0.01	0.1	0.1	0.05	0.05	7.2	0.3	0.1	0.01	0.01	0.03	0.01
29	2.6	0.6	0.1	0.05		7.3	0.3	0.5	0.01	0.01	0.05	0.01
30	1.8	0.4	0.1	0.05		3.4	0.3	0.03	0.02	0.01	0.2	0.01
31	0.02		0.1	0.05		2.0		0.5		0.02	0.05	
	5.2	2.87	96.4	1.75	65.1	75.7	16.2	4.58	1.81	0.49	2.26	0.56
MEAN	0.17	0.96	3.11	0.06	2.33	2.44	0.54	0.15	0.06	0.02	0.07	0.02
ACRE-FEET	10.	5.7	191.	3.5	129.	150.	32.	9.1	3.6	1.0	4.5	1.1

Remarks:

YEAR OR PERIOD MEAN 0.75
ACRE-FEET 540.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

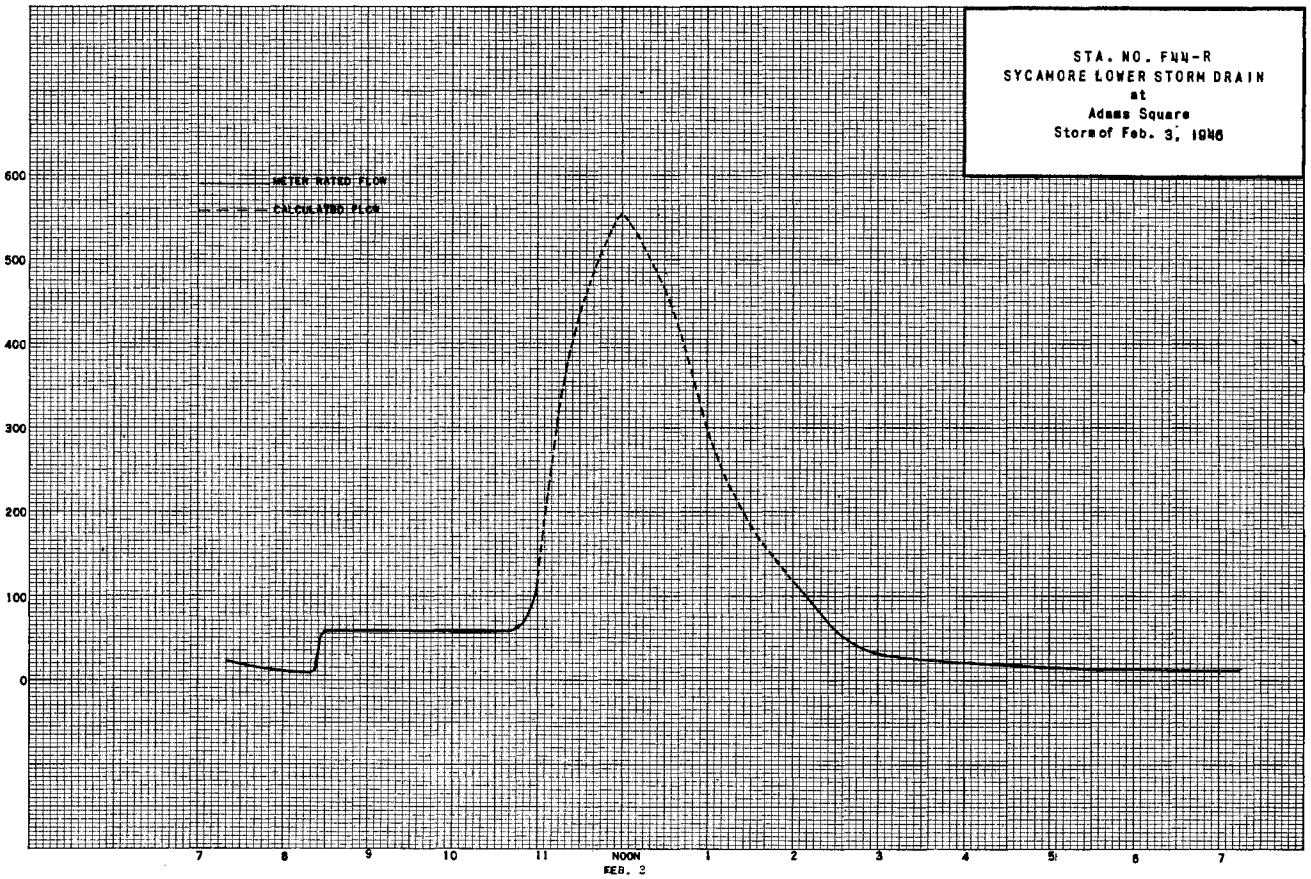
Sta. No. F 44-R

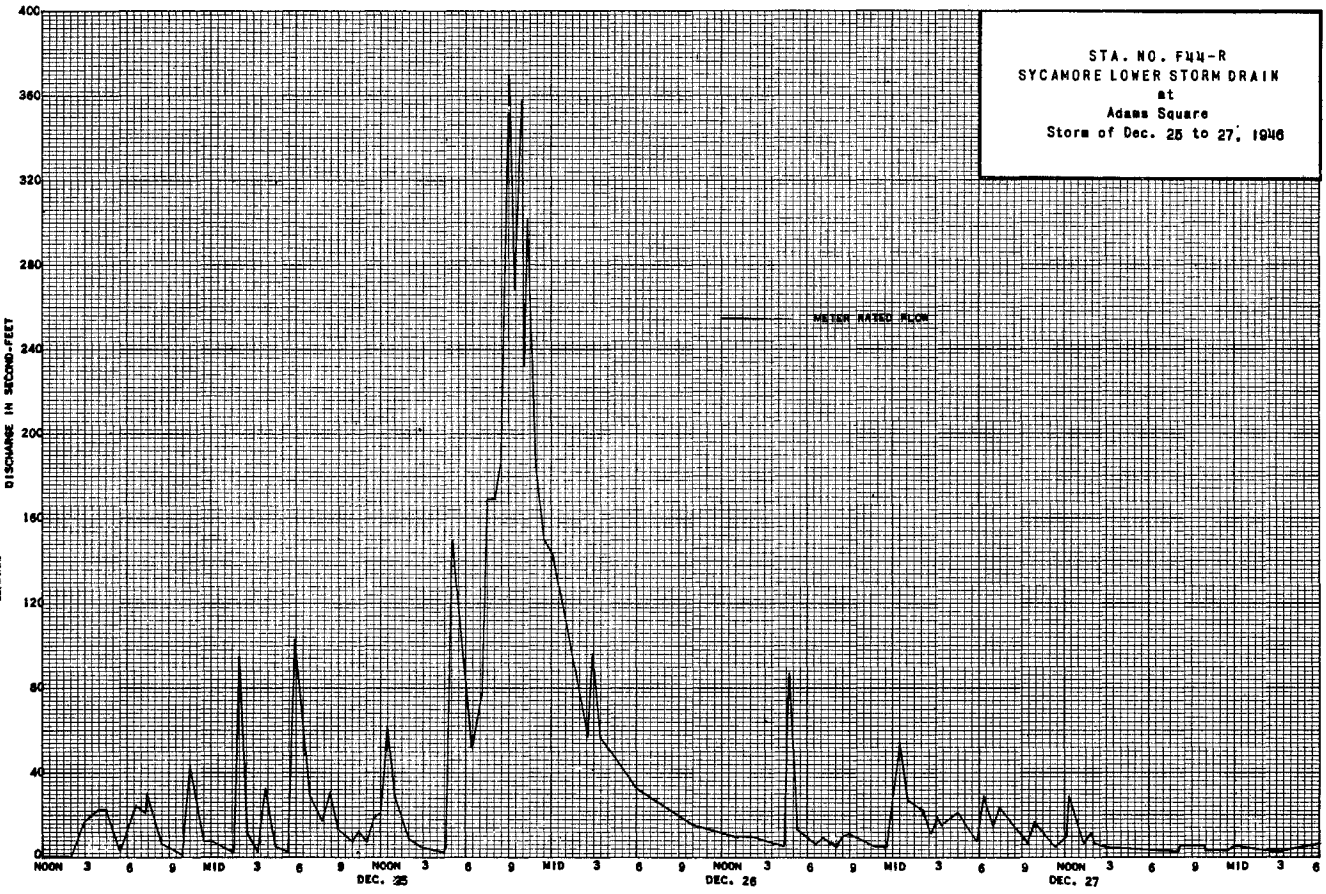
Daily discharge, in second-feet of SYCAMORE LOWER STORM DRAIN at Adams Square, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.1	+	0.4	2.3	a 0.3	a 0.1	0.3	+	+	+	+	+
2	+	+	0.4	0.7	0.3	a 0.1	0.2	+	+	+	+	+
3	+	+	0.4	b 0.6	0.3	f 0.2	f 1.5	+	+	+	+	+
4	+	+	0.4	0.6	0.3	0.3	a 0.1	+	+	+	+	+
5	+	+	0.3	0.5	0.3	2.6	a 0.1	+	+	+	+	+
6	+	+	8.9	0.5	0.3	0.1	a 0.1	+	+	+	+	+
7	+	+	0.4	0.5	a 0.3	0.1	a +	0.2	+	+	+	+
8	+	1.3	0.3	0.4	a 0.3	0.1	a +	0.3	+	+	+	+
9	+	+	0.2	0.4	7.2	0.1	a +	0.3	+	+	+	+
10	+	+	0.2	0.4	a 0.4	0.2	a +	0.2	+	+	+	+
11	+	11.9	0.2	0.3	0.3	0.2	+	0.1	+	+	+	+
12	+	4.9	0.1	0.3	0.2	0.2	+	+	+	+	+	+
13	+	3.2	+	0.3	0.1	0.2	+	+	+	+	+	+
14	+	14.2	+	0.2	0.1	0.2	+	+	+	+	+	+
15	+	0.5	+	b 0.2	0.1	0.2	+	+	+	+	+	+
16	2.7	0.3	+	0.2	0.1	0.2	+	+	+	+	+	+
17	+	0.2	+	0.4	0.1	0.3	+	+	+	+	+	0.4
18	+	0.1	+	0.4	0.1	0.3	+	+	+	+	+	+
19	+	0.3	+	0.4	0.1	0.2	+	+	+	+	+	+
20	+	3.4	0	0.4	0.1	0.8	+	+	+	+	+	+
21	+	1.1	0	0.4	0.1	1.4	+	+	+	+	+	+
22	+	0.7	0	0.3	0.1	0.4	+	+	+	+	+	+
23	+	21	0.2	0.2	0.1	0.3	+	+	+	+	+	+
24	+	1.6	7.0	0.2	0.1	0.4	+	+	+	+	+	+
25	+	0.8	6.8	0.2	0.1	0.3	+	+	+	+	+	+
26	+	0.5	3.0	0.2	0.1	0.2	+	+	+	+	+	+
27	1.0	0.4	11.9	5.0	0.1	1.0	+	+	+	+	+	+
28	+	0.4	4.3	0.4	a 0.1	3.3	+	+	+	+	+	+
29	+	0.4	4.3	a 0.4		0.4	+	+	+	+	+	+
30	+	0.4	4.3	f 0.3		0.3	+	+	+	+	+	+
31	+		3.7	a 0.3		0.3		+		+	+	
	7.8	171.1	145.9	17.9	12.1	15.0	2.3	1.1	+	+	+	0.4
MEAN	0.25	5.70	4.71	0.58	0.43	0.48	0.08	0.04	+	+	+	0.01
ACRE-FEET	15	339	289	36	24	30	4.6	2.2	+	+	+	0.8

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

YEAR OR PERIOD MEAN 1.02
ACRE-FEET 741


STA. NO. FW4-R
SYCAMORE LOWER STORM DRAIN
at
Adams Square
Storm of Feb. 3, 1946
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
7
8
9
10
11
NOON
1
2
3
4
5
6
7
FEB. 3


STA. NO. FW4-R
SYCAMORE LOWER STORM DRAIN
at
Adams Square
Storm of Dec. 25 to 27, 1946
METER RATED FLOW
DISCHARGE IN SECOND-FEET
400
360
320
280
240
200
160
120
80
40
0
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
9
NOON
3
6
9
MID
3
6
DEC. 25
DEC. 26
DEC. 27

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 LEFT (EAST) SIDE AND AT THE DOWNSTREAM SIDE OF THE 3 FT. X 3 FT. DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF GAGE ABOUT 1,625 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3 FT. X 3 FT. CONCRETE, COVERED OUTLET WITH A TRANSITION INTO A 5 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. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FT. X 3FT. 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, 1947.

EXTREMES OF DISCHARGE:
1945-1946
MAXIMUM 15 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.
1946-1947
MAXIMUM & MINIMUM - SEE REMARKS.
1940-1947
MAXIMUM 21 SECOND-FEET, FEBRUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

REMARKS: NO FLOW ENTIRE YEAR.

DISCHARGE MEASUREMENTS OF THOMPSON CREEK SPREADING GROUNDS INTAKE

AT Thompson Creek Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
56	12/23	1020A / 1030A	BREWSTER	5.0	3.37	1.99	0.79	6.7		.6	5	-.02	FC12

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam, for the year ending September 30, 19 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	2.4	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	2.4	0	0	0	0	0	0	0	0	0
MEAN	0	0	0.08	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	4.8	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.007
ACRE-FEET 4.8

STATION F32B-R
THOMPSON CREEK below Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'32", ON THE LEFT BANK ABOUT 50 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, ABOUT 1,590 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: ALL FLOWS MEASURED BY WADING.

RECORDER: INSTALLED DECEMBER 21, 1943 OVER AN 18 INCH CORRUGATED IRON PIPE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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 TOTHE 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, 1947. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S. FROM MARCH, 1928 SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE
1944-1947
NO FLOW FOR PERIOD OF RECORD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

REMARKS: NO FLOW FORTHESE TWO SEASONS.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F32B-R

Daily discharge, in second-feet of THOMPSON CREEK below Thompson Creek Dam, for the year ending September 30, 1948

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

Remarks:

YEAR OR PERIOD MEAN 0
ACRE-FEET 0

STATION F54-R
TOPANGA CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'52", LONG. 118°35'12", ON THE RIGHT (WEST) DOWNSTREAM ABUTMENT OF THE CONCRETE BRIDGE 2 MILES NORTH OF TOPANGA BEACH AND ABOUT 6 MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 265.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 1, 1930 AT STATION F54-R. REMOVED JUNE 4, 1940. INSTALLED JUNE 5, 1940 AT STATION F54B-R. REMOVED DECEMBER 9, 1941. REINSTALLED DECEMBER 9, 1941 AT THE APPROXIMATE FORMER LOCATION IN A CONCRETE HOUSE AND WELL CONSTRUCTED IN THE ABUTMENT OF THE CONCRETE BRIDGE. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1947.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 905 SECOND-FEET, DECEMBER 23.
MINIMUM 0.02 SECOND-FOOT SEVERAL DAYS.

1946-1947
MAXIMUM 567 SECOND-FEET, NOVEMBER 20.
MINIMUM 0.03 SECOND-FOOT, VARIOUS TIMES.

1930-1947
MAXIMUM 9,300 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

at mouth above mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
543	11/8	130P / 135P	BOLLINGER	2.0	0.18	0.50	2.39	0.09		FLOAT	3	0	
544	12/7	148P / 153P	"	2.0	0.25	0.40	2.36	0.10		"	3	0	
545	12/20	103P / 108P	"	2.0	0.25	0.44	2.39	0.11		"	3	0	
546	12/22	810A / 830A	BOLLINGER / ECKERT	45.0	300.	4.74	4.96	474.		.6	9	+.37	FC6
547	12/22	110P / 120P	BOLLINGER / ECKERT	32.0	45.0	3.24	3.52	146.		.6	9	-.02	"
548	12/23	1138A / 1147A	BOLLINGER	27.5	24.2	2.99	3.47	72.3		.6	13	-.02	"
549	12/27	228P / 234P	"	5.5	1.61	1.05	2.63	1.7		.6	5	0	"
550	1/2	217P / 222P	"	3.3	0.88	0.66	2.54	0.58		.6	4	0	"
551	1/3	140P / 145P	"	3.2	0.82	0.56	2.55	0.46		.6	4	0	"
552	1/10	150P / 156P	"	2.5	0.54	0.78	2.52	0.42		.5	3	0	"
553	1/17	325P / 328P	"	2.7	0.52	0.46	2.54	0.24		.5	3	0	"
554	1/31	1232P / 1238P	"	3.0	0.63	0.44	2.66	0.28		.5	4	0	"
555	2/3	312P / 326P	"	27.5	25.4	2.59	3.43	65.8		.6	13	-.03	"
556	2/4	144P / 151P	"	6.0	2.81	1.03	2.82	2.9		.5	6	0	"
557	2/7	945A / 950A	"	4.7	1.40	0.60	2.76	0.86		.5	6	0	"
558	2/21	339P / 345P	"	4.0	1.22	0.34	2.71	0.42		.5	4	0	"
559	2/28	309P / 315P	"	4.0	1.12	0.29	2.70	0.32		.5	5	0	"
560	3/14	156P / 203P	"	4.0	1.09	0.22	2.70	0.24		.5	4	0	"
561	3/19	947A / 952A	BOLLINGER / ECKERT	7.5	3.42	1.17	2.86	4.0		.6	6	+.01	"
562	3/20	342P / 352P	BOLLINGER	10.2	4.67	1.46	2.92	6.8		.6	8	0	"
563	3/20	407P / 416P	"	10.3	4.67	1.46	2.90	6.8		.6	9	0	"
564	3/21	358P / 403P	"	6.5	1.75	0.74	2.74	1.3		.5	5	0	"
565	3/28	235P / 242P	"	5.6	1.98	0.96	2.77	1.9		.5	6	0	"
566	3/30	717A / 728A	BOLLINGER / ECKERT	32.0	27.6	4.28	3.70	118.		.6	7	-.04	FC6
567	3/30	1244P / 1253P	BOLLINGER / ECKERT	27.0	22.5	3.02	3.44	68.0		.6	14	0	"
568	3/30	1259P / 109P	BOLLINGER / ECKERT	27.0	20.2	2.98	3.43	60.3		.6	15	0	"
569	3/31	225P / 241P	ECKERT / BOLLINGER	11.3	8.08	2.67	3.07	21.6		.6	8	0	"
570	4/2	803A / 813A	BOLLINGER	11.6	5.85	1.30	2.84	7.6		.6	11	0	"
571	4/4	414P / 422P	"	11.0	3.13	0.89	2.75	2.8		.5	8	0	"
572	4/11	303P / 308P	"	4.7	1.28	0.78	2.65	1.0		.5	4	0	"
573	4/25	128P / 131P	"	4.0	0.86	0.56	2.65	0.48		.5	5	0	"
574	5/2	130P / 135P	"	4.0	1.16	0.40	2.62	0.46		.5	4	0	"
575	5/9	1253P / 1258P	"	2.7	0.44	0.55	2.70	0.24		.5	4	0	"
576	5/16	202P / 207P	"	2.3	0.30	0.50	2.67	0.15		.5	3	0	"
577	6/27	128P / 132P	"	1.7	0.14	1.07	2.63	0.15		FLOAT	2	0	
578	7/10	340P / 345P	HAIG	0.8	0.16	0.75	2.54	0.12		.5	2	0	FC35
579	8/8	132P / 135P	BOLLINGER	1.3	0.11	0.45	2.52	0.05		FLOAT	2	0	
580	8/21	121P / 125P	"	1.0	0.05	0.40	2.53	0.02		"	2	0	
581	9/19	153P / 156P	"	1.4	0.07	0.43	2.53	0.03		"	2	0	

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

near above mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
582	10-3	1122A / 1127A	VAN DER GOOT / BOLLINGER	0.50	0.06	0.83	2.54	0.05	FLOATS	1	0		
583	10-10	140P / 143P	BOLLINGER	1.0	0.05	0.60	2.52	0.03	"	2	0		
584	10-17	243P / 247P	BOLLINGER	1.6	0.15	0.33	2.58	0.05	"	3	0		
585	10-31	210P / 215P	"	1.7	0.11	0.36	2.57	0.04	"	3	0		
586	11-7	140P / 145P	"	1.7	0.19	0.37	2.59	0.07	"	3	0		
587	11-12	1100A / 1105A	BOLLINGER - PAULL	6.5	2.25	0.62	2.69	1.4	.6	5	0		FC6
588	11-13	112P / 120P	" "	16.0	22.7	2.44	3.36	55.2	.6	9	0		"
589	11-14	250P / 258P	" "	7.5	3.60	1.22	2.74	4.4	.6	6	0		"
590	11-15	153P / 158P	BOLLINGER	4.2	0.96	0.46	2.63	0.44	.5	5	0		"
591	11-20	1220P / 1228P	BOLLINGER - PAULL	22.0	29.0	2.44	3.49	71.0	.6	12	0		"
592	11-20	350P / 400P	" "	22.5	17.1	1.80	3.23	30.8	.6	13	0		"
593	11-21	253P / 300P	BOLLINGER	6.0	2.09	1.53	2.80	3.2	.6	6	0		"
594	11-23	1203P / 1213P	BOLLINGER - PAULL	32.0	38.3	3.68	3.76	141.	.6	6	0		"
595	11-24	150P / 157P	BOLLINGER	8.3	3.70	1.65	2.87	6.1	.6	7	0		"
596	11-27	200P / 207P	"	4.0	0.96	1.00	2.79	0.96	.6	5	0		"
597	12-5	156P / 201P	"	3.0	0.46	0.83	2.77	0.38	.5	4	0		"
598	12-12	133P / 139P	"	3.2	0.59	0.53	2.74	0.31	.5	4	0		"
599	12-19	244P / 249P	"	2.8	0.44	0.48	2.72	0.21	.5	3	0		"
600	12-26	1107A / 1115A	BOLLINGER - PAULL	22.0	12.6	2.46	3.26	30.9	.6	9	0		"
601	12-27	235P / 246P	" "	20.7	12.9	2.08	3.20	26.8	.6	12	0		"
602	12-29	222P / 230P	BOLLINGER	8.7	4.49	1.56	2.96	7.0	.6	7	0		"
603	1-2	1130A / 1135A	"	7.0	2.19	1.05	2.87	2.3	.6	5	0		"
604	1-9	1255P / 110P	"	5.2	1.22	0.90	2.89	1.1	.5	6	0		"
605	1-16	1112A / 1118A	"	3.0	0.69	1.07	2.85	0.74	.5	4	0		"
606	1-23	1246P / 1253P	"	3.0	0.59	1.07	2.82	0.63	.5	4	0		"
607	1-30	1143A / 1148A	"	2.9	0.77	1.17	2.86	0.89	.5	4	0		"
608	2-6	213P / 220P	"	2.8	0.54	0.78	2.80	0.42	.5	4	0		"
609	2-10	1255P / 102P	"	2.8	0.81	1.36	2.89	1.1	.5	4	0		"
610	2-13	1257P / 102P	"	2.6	0.55	1.07	2.82	0.59	.5	4	0		"
611	2-20	1217P / 1223P	"	2.5	0.50	0.90	2.79	0.45	.5	4	0		"
612	2-27	120P / 126P	"	2.5	0.46	0.87	2.76	0.40	.5	4	0		"
613	3-6	1140A / 1145A	"	2.4	0.51	0.80	2.73	0.41	.5	4	0		"
614	3-13	130P / 136P	"	2.4	0.38	0.74	2.70	0.28	.5	4	0		"
615	3-20	136P / 141P	"	2.5	0.36	0.44	2.72	0.16	.5	3	0		"
616	3-27	215P / 220P	"	2.4	0.39	0.97	2.67	0.38	.5	4	0		"
617	4-3	200P / 205P	"	2.6	0.42	0.69	2.70	0.29	.5	4	0		"
618	4-10	123P / 130P	"	2.2	0.27	1.26	2.72	0.34	FLOATS	3	0		
619	4-18	204P / 209P	"	2.0	0.16	1.00	2.65	0.16	"	3	0		
620	5-1	225P / 230P	"	2.0	0.12	0.75	2.63	0.09	"	3	0		
621	5-15	130P / 134P	"	2.0	0.12	0.58	2.64	0.07	"	3	0		
622	5-29	202P / 207P	"	2.1	0.16	0.75	2.65	0.12	"	4	0		
623	6-12	313P / 316P	"	1.9	0.12	0.66	2.65	0.08	"	3	0		
624	7-10	353P / 356P	"	0.9	0.05	0.80	2.63	0.04	"	2	0		
625	9-24	240P / 244P	"	1.3	0.05	0.60	2.69	0.03	"	2	0		

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 1948

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	d 0.1	d 0.1	d 0.1	0.6	0.3	0.3	8.8	0.4	d 0.2	d 0.2	d 0.1	d 0.02
2	0.1	0.1	0.1	0.6	0.4	0.2	6.2	0.5	0.2	0.2	0.1	0.02
3	0.1	0.1	0.1	0.5	27	0.2	2.8	0.4	0.2	0.2	0.1	0.02
4	0.1	0.1	0.1	0.5	3.6	0.2	1.9	0.6	0.2	0.1	0.1	0.02
5	0.1	0.1	0.1	1.3	1.9	0.2	1.7	0.6	0.2	0.1	0.1	0.02
6	0.1	0.1	d 0.1	0.5	1.3	0.2	1.9	0.5	0.2	0.1	0.05	0.03
7	0.1	0.1	0.1	0.4	0.9	0.2	1.9	0.3	0.2	0.1	0.05	0.03
8	0.1	0.1	0.2	0.4	0.6	0.2	1.3	0.2	0.2	0.1	0.05	0.03
9	0.1	0.1	0.2	0.4	0.6	0.1	0.9	0.2	0.2	0.1	0.05	0.03
10	0.1	0.1	0.1	0.4	0.6	0.1	1.1	0.2	0.2	0.1	0.05	0.03
11	0.1	0.1	0.1	0.3	0.6	0.2	1.1	0.3	0.2	0.1	0.04	0.03
12	0.1	0.1	0.1	0.3	0.5	0.2	1.5	0.3	0.2	0.1	0.04	0.03
13	0.1	0.1	0.1	0.2	0.4	0.2	1.3	0.2	0.2	0.1	0.04	0.03
14	0.1	0.1	0.2	0.2	0.4	0.2	0.9	0.2	0.2	0.1	0.04	0.03
15	0.1	0.1	0.1	0.2	0.4	0.2	1.1	0.3	0.2	0.1	0.03	0.03
16	0.1	0.1	0.1	0.3	0.6	0.2	0.6	0.2	0.2	0.1	0.03	0.03
17	0.1	0.1	0.1	0.2	0.5	0.2	0.9	d 0.2	0.2	0.1	0.03	0.03
18	0.1	0.1	0.1	0.3	0.5	0.2	0.6	0.2	0.2	0.1	0.03	0.03
19	0.1	0.1	0.1	0.3	0.4	2.9	0.6	0.2	0.2	0.1	0.03	0.03
20	0.1	0.1	0.1	0.2	0.4	4.7	0.6	0.2	0.2	0.1	0.02	0.03
21	0.1	0.1	64	0.2	0.4	1.7	0.6	0.2	0.2	0.1	0.02	0.03
22	0.1	0.1	182	0.2	0.4	0.9	0.6	0.2	0.2	0.1	0.02	0.03
23	0.1	0.1	150	0.2	0.4	0.5	0.5	0.2	0.2	0.1	0.02	0.03
24	0.1	0.1	b 3.6	0.2	0.4	0.5	0.5	0.2	0.2	0.1	0.02	0.03
25	0.1	0.1	b 2.4	15	0.4	0.3	0.5	0.2	0.2	0.1	0.02	0.03
26	0.1	0.1	b 1.7	0.4	0.4	0.2	0.6	0.2	0.2	0.1	0.02	0.03
27	0.1	0.1	b 1.7	b 0.4	0.3	0.0	0.5	0.2	0.2	0.1	0.02	0.03
28	0.1	0.1	1.3	b 0.3	0.3	1.3	0.5	0.2	0.2	0.1	0.02	0.03
29	0.1	0.2	1.3	b 0.3		4.5	0.3	0.2	0.2	0.1	0.02	0.03
30	0.1	d 0.2	1.1	b 0.3		104	0.4	0.2	d 0.2	0.1	0.02	d 0.03
31	d 0.1		0.9	f 0.3		26		d 0.2		d 0.1	d 0.02	
	3.1	3.2	412.3	25.9	44.9	151.2	42.7	8.4	6.0	3.4	1.3	0.85
MEAN	0.10	0.11	13.3	0.84	1.60	4.88	1.42	0.27	0.20	0.11	0.04	0.03
ACRE-FEET	6.1	6.3	818.	51.	89.	300.	84.7	16.7	12.0	6.7	2.58	1.69

Remarks:

YEAR OR PERIOD MEAN 1.93
ACRE-FEET 1,390.

DISCHARGE MEASUREMENTS OF TOPANGA CREEK

above mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
582	10-3	1122A / 1127A	VAN DER GOOT / BOLLINGER	0.50	0.06	0.83	2.54	0.05	FLOATS	1	0		
583	10-10	140P / 143P	BOLLINGER	1.0	0.05	0.60	2.52	0.03	"	2	0		
584	10-17	243P / 247P	BOLLINGER	1.6	0.15	0.33	2.58	0.05	"	3	0		
585	10-31	210P / 215P	"	1.7	0.11	0.36	2.57	0.04	"	3	0		
586	11-7	140P / 145P	"	1.7	0.19	0.37	2.59	0.07	"	3	0		
587	11-12	1100A / 1105A	BOLLINGER - PAULL	6.5	2.25	0.62	2.69	1.4	.6	5	0	FC6	
588	11-13	112P / 120P	" "	16.0	22.7	2.44	3.36	55.2	.6	9	0	"	
589	11-14	250P / 258P	" "	7.5	3.60	1.22	2.74	4.4	.6	6	0	"	
590	11-15	153P / 158P	BOLLINGER	4.2	0.96	0.46	2.63	0.44	.5	5	0	"	
591	11-20	1220P / 1228P	BOLLINGER - PAULL	22.0	29.0	2.44	3.49	71.0	.6	12	0	"	
592	11-20	350P / 400P	" "	22.5	17.1	1.80	3.23	30.8	.6	13	0	"	
593	11-21	253P / 300P	BOLLINGER	6.0	2.09	1.53	2.80	3.2	.6	6	0	"	
594	11-23	1203P / 1213P	BOLLINGER - PAULL	32.0	38.3	3.68	3.76	141.	.6	6	0	"	
595	11-24	150P / 157P	BOLLINGER	8.3	3.70	1.65	2.87	6.1	.6	7	0	"	
596	11-27	200P / 207P	"	4.0	0.96	1.00	2.79	0.96	.6	5	0	"	
597	12-5	156P / 201P	"	3.0	0.46	0.83	2.77	0.38	.5	4	0	"	
598	12-12	133P / 139P	"	3.2	0.59	0.53	2.74	0.31	.5	4	0	"	
599	12-19	244P / 249P	"	2.8	0.44	0.48	2.72	0.21	.5	3	0	"	
600	12-26	1107A / 1115A	BOLLINGER - PAULL	22.0	12.6	2.46	3.26	30.9	.6	9	0	"	
601	12-27	235P / 246P	" "	20.7	12.9	2.08	3.20	26.8	.6	12	0	"	
602	12-29	222P / 230P	BOLLINGER	8.7	4.49	1.56	2.96	7.0	.6	7	0	"	
603	1-2	1130A / 1135A	"	7.0	2.19	1.05	2.87	2.3	.6	5	0	"	
604	1-9	1255P / 110P	"	5.2	1.22	0.90	2.89	1.1	.5	6	0	"	
605	1-16	1112A / 1118A	"	3.0	0.69	1.07	2.85	0.74	.5	4	0	"	
606	1-23	1246P / 1253P	"	3.0	0.59	1.07	2.82	0.63	.5	4	0	"	
607	1-30	1143A / 1148A	"	2.9	0.77	1.17	2.86	0.89	.5	4	0	"	
608	2-6	213P / 220P	"	2.8	0.54	0.78	2.80	0.42	.5	4	0	"	
609	2-10	1255P / 102P	"	2.8	0.81	1.36	2.89	1.1	.5	4	0	"	
610	2-13	1257P / 102P	"	2.6	0.55	1.07	2.82	0.59	.5	4	0	"	
611	2-20	1217P / 1223P	"	2.5	0.50	0.90	2.79	0.45	.5	4	0	"	
612	2-27	120P / 126P	"	2.5	0.46	0.87	2.76	0.40	.5	4	0	"	
613	3-6	1140A / 1145A	"	2.4	0.51	0.80	2.73	0.41	.5	4	0	"	
614	3-13	130P / 136P	"	2.4	0.38	0.74	2.70	0.28	.5	4	0	"	
615	3-20	136P / 141P	"	2.5	0.36	0.44	2.72	0.16	.5	3	0	"	
616	3-27	215P / 220P	"	2.4	0.39	0.97	2.67	0.38	.5	4	0	"	
617	4-3	200P / 205P	"	2.6	0.42	0.69	2.70	0.29	.5	4	0	"	
618	4-10	123P / 130P	"	2.2	0.27	1.26	2.72	0.34	FLOATS	3	0		
619	4-18	204P / 209P	"	2.0	0.16	1.00	2.65	0.16	"	3	0		
620	5-1	225P / 230P	"	2.0	0.12	0.75	2.63	0.09	"	3	0		
621	5-15	130P / 134P	"	2.0	0.12	0.58	2.64	0.07	"	3	0		
622	5-29	202P / 207P	"	2.1	0.16	0.75	2.65	0.12	"	4	0		
623	6-12	313P / 316P	"	1.9	0.12	0.66	2.65	0.08	"	3	0		
624	7-10	353P / 356P	"	0.9	0.05	0.80	2.63	0.04	"	2	0		
625	9-24	240P / 244P	"	1.3	0.05	0.60	2.69	0.03	"	2	0		

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	d 0.1	d 0.1	d 0.1	0.6	0.3	0.3	8.8	0.4	d 0.2	d 0.2	d 0.1	d 0.02
2	0.1	0.1	0.1	0.6	0.4	0.2	6.2	0.5	0.2	0.2	0.1	0.02
3	0.1	0.1	0.1	0.5	27	0.2	2.8	0.4	0.2	0.2	0.1	0.02
4	0.1	0.1	0.1	0.5	3.6	0.2	1.9	0.6	0.2	0.1	0.1	0.02
5	0.1	0.1	0.1	1.3	1.9	0.2	1.7	0.6	0.2	0.1	0.1	0.02
6	0.1	0.1	d 0.1	0.5	1.3	0.2	1.9	0.5	0.2	0.1	0.05	0.03
7	0.1	0.1	0.1	0.4	0.9	0.2	1.9	0.3	0.2	0.1	0.05	0.03
8	0.1	0.1	0.2	0.4	0.6	0.2	1.3	0.2	0.2	0.1	0.05	0.03
9	0.1	0.1	0.2	0.4	0.6	0.1	0.9	0.2	0.2	0.1	0.05	0.03
10	0.1	0.1	0.1	0.4	0.6	0.1	1.1	0.2	0.2	0.1	0.05	0.03
11	0.1	0.1	0.1	0.3	0.6	0.2	1.1	0.3	0.2	0.1	0.04	0.03
12	0.1	0.1	0.1	0.3	0.5	0.2	1.5	0.3	0.2	0.1	0.04	0.03
13	0.1	0.1	0.1	0.2	0.4	0.2	1.3	0.2	0.2	0.1	0.04	0.03
14	0.1	0.1	0.2	0.2	0.4	0.2	0.9	0.2	0.2	0.1	0.04	0.03
15	0.1	0.1	0.1	0.2	0.4	0.2	1.1	0.3	0.2	0.1	0.03	0.03
16	0.1	0.1	0.1	0.3	0.6	0.2	0.6	0.2	0.2	0.1	0.03	0.03
17	0.1	0.1	0.1	0.2	0.5	0.2	0.9	d 0.2	0.2	0.1	0.03	0.03
18	0.1	0.1	0.1	0.3	0.5	0.2	0.6	0.2	0.2	0.1	0.03	0.03
19	0.1	0.1	0.1	0.3	0.4	2.9	0.6	0.2	0.2	0.1	0.03	0.03
20	0.1	0.1	0.1	0.2	0.4	4.7	0.6	0.2	0.2	0.1	0.02	0.03
21	0.1	0.1	64	0.2	0.4	1.7	0.6	0.2	0.2	0.1	0.02	0.03
22	0.1	0.1	182	0.2	0.4	0.9	0.6	0.2	0.2	0.1	0.02	0.03
23	0.1	0.1	150	0.2	0.4	0.5	0.5	0.2	0.2	0.1	0.02	0.03
24	0.1	0.1	b 36	0.2	0.4	0.5	0.5	0.2	0.2	0.1	0.02	0.03
25	0.1	0.1	b 24	15	0.4	0.3	0.5	0.2	0.2	0.1	0.02	0.03
26	0.1	0.1	b 17	0.4	0.4	0.2	0.6	0.2	0.2	0.1	0.02	0.03
27	0.1	0.1	b 17	b 0.4	0.3	0.0	0.5	0.2	0.2	0.1	0.02	0.03
28	0.1	0.1	13	b 0.3	0.3	1.3	0.5	0.2	0.2	0.1	0.02	0.03
29	0.1	0.2	13	b 0.3		4.5	0.3	0.2	0.2	0.1	0.02	0.03
30	0.1	d 0.2	11	b 0.3		104	0.4	0.2	d 0.2	0.1	0.02	d 0.03
31	d 0.1		0.9	f 0.3		26		d 0.2		d 0.1	d 0.02	
	31	32	4123	259	449	1512	427	84	60	34	13	085
MEAN	0.10	0.11	13.3	0.84	1.60	4.88	1.42	0.27	0.20	0.11	0.04	0.03
ACRE-FEET	6.1	6.3	818.	51.	89.	300.	84.7	16.7	12.0	6.7	2.58	1.69

Remarks:

YEAR OR PERIOD MEAN 1.93
ACRE-FEET 1,390.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

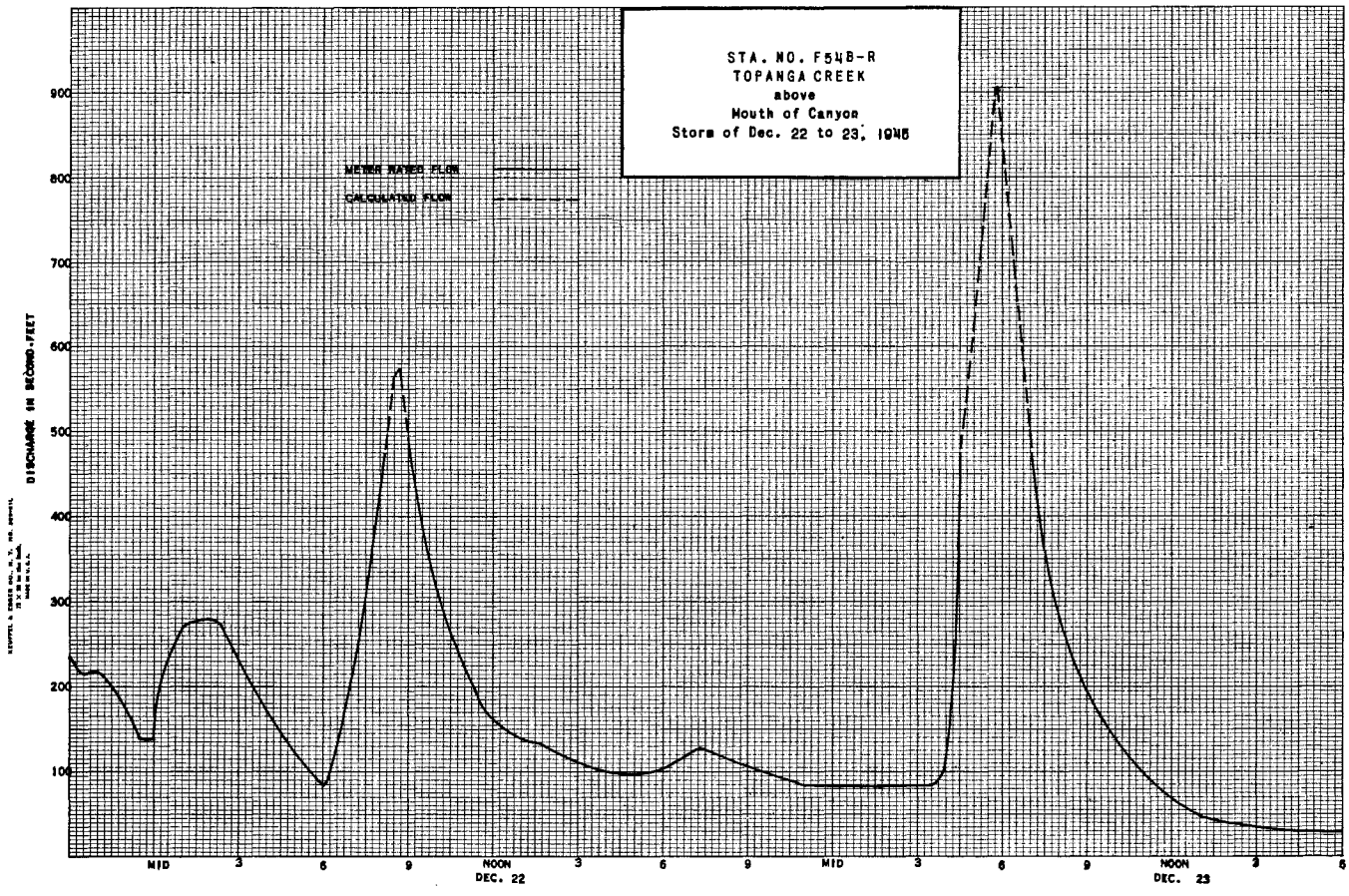
Sta. No. F 54-R

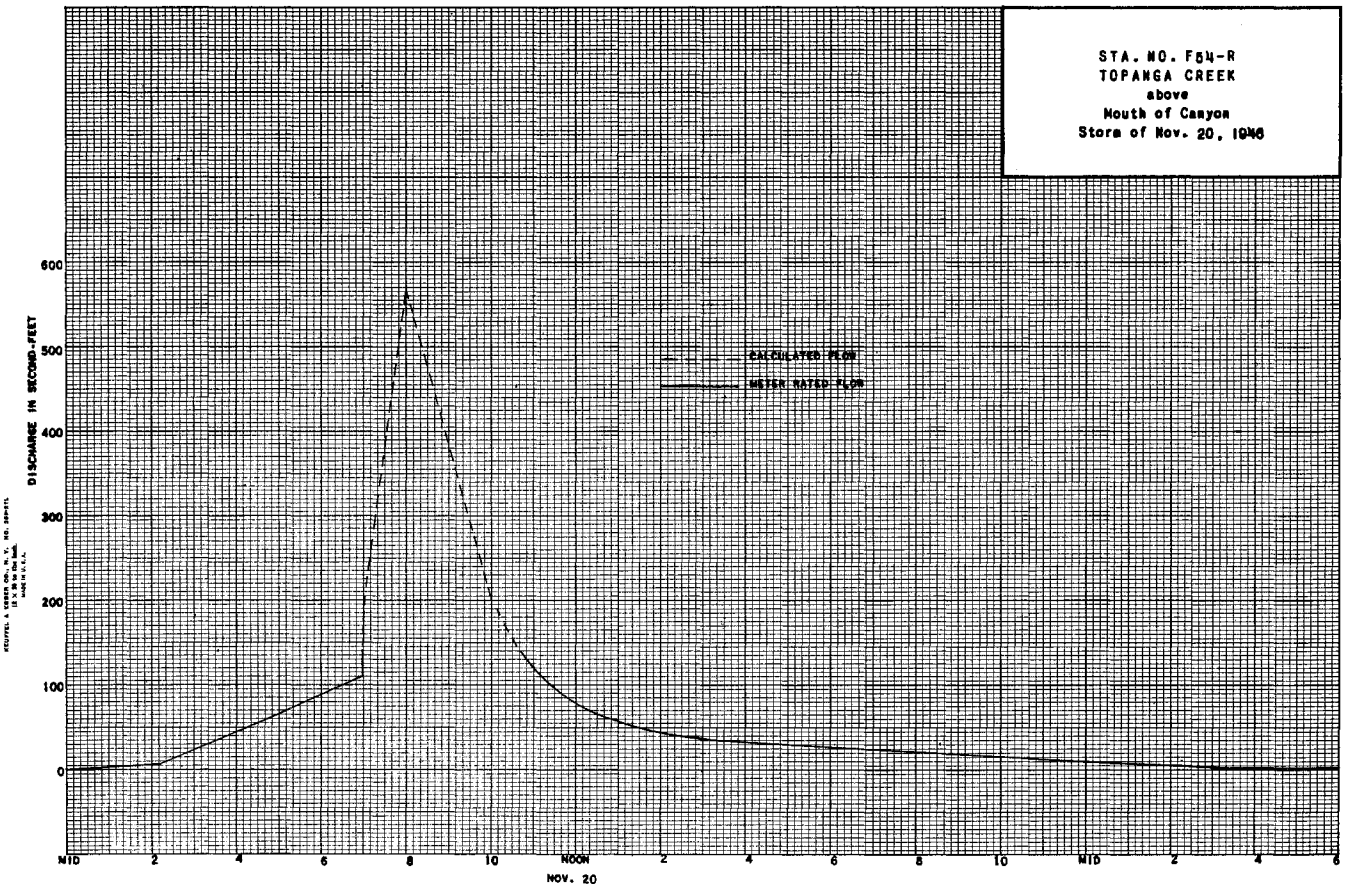
Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
1	0.05	0.04	0.5	3.6	0.6	0.4	1.1	0.1	0.1	0.1	b 0.04	b 0.03
2	0.05	0.03	0.4	2.4	0.5	0.3	0.6	0.1	0.1	0.1	0.04	0.03
3	0.04	0.03	0.4	1.9	0.4	0.4	0.3	0.05	0.1	0.1	0.04	0.03
4	0.04	0.06	0.4	1.7	0.4	0.4	1.3	0.05	0.1	0.1	0.04	0.03
5	0.04	0.06	0.4	1.5	0.4	0.5	0.6	0.1	0.1	0.1	0.04	0.03
6	0.03	0.07	3.3	1.5	0.4	0.4	0.9	0.2	0.1	0.05	0.04	0.03
7	0.03	0.07	1.7	1.5	0.4	0.4	0.6	0.2	0.1	0.05	0.04	0.03
8	0.03	0.08	0.6	1.3	0.4	0.5	0.5	0.2	0.1	0.05	0.04	0.03
9	0.03	0.08	0.4	1.1	1.1	0.5	0.3	0.05	0.1	0.05	0.04	0.03
10	0.03	0.08	0.3	1.1	1.5	0.5	0.2	0.05	0.1	0.05	0.04	0.03
11	0.03	0.3	0.4	1.3	0.6	0.5	0.2	0.1	0.1	b 0.04	0.04	0.03
12	0.03	0.9	0.4	1.3	0.6	0.6	0.2	0.1	0.1	0.04	0.04	0.03
13	0.03	3.6	0.4	1.3	0.6	0.3	0.1	0.1	0.1	0.04	0.04	0.03
14	0.04	7.8	0.4	0.6	0.6	0.2	0.05	0.1	0.2	0.04	0.04	0.03
15	0.04	0.3	0.4	0.6	0.5	0.2	0.05	0.1	0.2	0.04	0.04	0.03
16	0.05	a 0.3	0.5	0.6	0.4	0.2	0.1	0.2	0.1	0.04	0.04	0.03
17	0.05	a 0.2	0.4	0.6	0.5	0.2	0.1	0.2	0.1	0.04	0.04	0.03
18	0.05	a 0.2	0.3	0.6	0.5	0.2	0.2	0.2	0.1	0.04	0.03	0.03
19	0.04	a 0.2	0.2	0.6	0.4	0.2	0.2	0.2	0.1	0.04	0.03	0.03
20	0.04	8.6	0.2	0.6	0.4	0.2	0.2	0.2	0.1	0.04	0.03	0.03
21	0.03	5.6	0.2	0.6	0.5	0.6	0.1	0.2	0.1	0.04	0.03	0.03
22	0.03	1.3	0.2	0.6	0.6	0.6	0.1	0.2	0.1	0.04	0.03	0.03
23	0.03	6.1	0.2	0.6	0.5	0.6	0.1	0.1	0.1	0.04	0.03	0.03
24	0.03	9.5	7.1	0.6	0.6	0.5	0.1	0.1	0.1	0.04	0.03	b 0.03
25	0.02	2.8	5.0	0.2	0.5	0.3	0.1	0.1	0.1	0.04	0.03	0.03
26	0.02	1.5	5.5	0.1	0.5	0.2	0.1	0.1	0.1	0.04	0.03	0.03
27	0.04	0.9	3.2	0.1	0.4	0.5	0.1	0.1	0.1	0.04	0.03	0.04
28	0.04	0.5	1.1	0.1	0.4	8.9	0.1	0.1	0.1	0.04	0.03	0.04
29	0.04	0.5	7.1	1.1		2.8	0.1	0.1	0.1	0.04	0.03	0.04
30	0.04	0.5	5.8	0.9		1.7	0.1	0.1	0.1	0.04	0.03	0.05
31	0.04		4.7	0.6		1.7		0.1		b 0.04	b 0.03	
	1.13	216.9	185.3	37.2	15.2	25.5	8.8	3.9	3.2	1.59	1.10	0.95
MEAN	0.04	7.23	5.98	1.20	0.54	0.82	0.29	0.13	0.11	0.05	0.04	0.03
ACRE-FEET	2.2	430	368	74	30	51	17	7.7	6.3	3.2	2.2	1.9

Remarks:

YEAR MEAN 1.37
OR
PERIOD ACRE-FEET 994





STATION F252-R
VERDUGO CHANNEL at Estelle Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'23", LONG. 118°16'23", ON THE RIGHT (NORTH) SIDE OF CHANNEL AT ESTELLE AVENUE, 800 FEET EAST OF SAN FERNANDO ROAD, AND ABOUT 2 MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 22.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 87 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 40 FEET ABOVE STATION.

RECORDER: INSTALLED DECEMBER 2, 1935 OVER A 20 INCH X 30 INCH CONCRETE WELL. AN M.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

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, 1947. FOR EARLIER RECORDS SEE STATIONS F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 816 SECOND-FEET, DECEMBER 22.
MINIMUM 0.1 SECOND-FOOT, AUGUST 1 AND 2.

1946-1947
MAXIMUM 1860 SECOND-FEET, DECEMBER 25.
MINIMUM NO FLOW PART OF YEAR.

1935-1947
MAXIMUM 4,400 SECOND-FEET, ESTIMATED, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF VERDUGO CHANNEL

AT ~~NEAR~~ Estelle Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
96	10/3	316P / 321P	BOLLINGER	4.0	0.24	2.42	0.12	0.58		SURF.	4	0	FLOAT
97	10/25	1130A / 1139A	DEVORE	4.0	0.20	2.45	0.12	0.49		SURF.	6	0	"
98	11/6	1205P / 1208P	HAIG	5.0	0.53	3.40	0.12	1.8		SURF.	6	0	FC35 FLOAT
99	11/23	1100A / 1102A	"	4.0	0.26	3.04	0.12	0.79		SURF.	4	0	FLOAT
100	11/29	1116A / 1120A	"	5.5	0.55	2.91	0.10	1.6		SURF.	4	0	"
101	1/10	232P / 238P	"	4.0	0.28	3.57	0.14	1.0		.5	4	0	FC35
102	1/24	1145A / 1148A	"	4.0	0.28	2.61	0.13	0.73		SURF.	4	0	FLOAT
103	2/21	128P / 132P	"	4.0	0.26	3.08	0.14	0.80		.5	4	0	FC35
104	2/25	120P / 123P	"	4.0	0.26	3.08	0.14	0.80		SURF.	4	0	FLOAT
105	3/7	820A / 825A	"	4.0	0.32	3.75	0.15	1.2		.5	4	0	FC35
106	3/21	110P / 114P	"	4.0	0.30	2.86	0.13	0.86		.5	4	0	"
107	4/11	230P / 232P	"	3.5	0.26	2.73	0.12	0.71		SURF.	4	0	"
108	4/18	1145A / 1150A	"	4.0	0.26	3.31	0.14	0.86		SURF.	4	0	"
109	4/25	1146A / 1148A	"	4.0	0.26	2.73	0.13	0.71		SURF.	4	0	"
110	5/9	146P / 150P	"	4.5	0.37	2.62	0.16	0.97		SURF.	4	0	"
111	5/16	1205P / 1210P	"	4.0	0.38	3.68	0.15	1.4		SURF.	4	0	"
112	6/13	127P / 150P	BROWN	4.5	0.38	1.95	0.12	0.74		SURF.	7	0	FC24
113	6/20	150P / 154P	HAIG	4.0	0.26	3.12	0.13	0.81		SURF.	4	0	FC35
114	6/27	234P / 238P	"	4.0	0.26	2.90	0.13	0.79		SURF.	4	0	"
115	7/11	130P / 134P	"	4.0	0.24	3.08	0.13	0.74		SURF.	2	0	"
116	8/1	1212P / 1216P	"	1.0	0.10	1.00	0.08	0.10		.5	4	0	"
117	9/4	200P / 205P	WADDICOR	4.0	0.30	2.76	0.13	0.83		SURF.	4	0	FLOAT
118	9/26	423P / 428P	BOLLINGER	5.2	0.24	2.74	0.13	0.66		SURF.	4	0	"

DISCHARGE MEASUREMENTS OF VERDUGO CHANNEL

AT ~~NEAR~~ Estelle Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
119	11-12	1157A / 1204P	WADDICOR - OCAMPO	27.0	6.57	9.48	0.50	62.3		.6	7	0	FC37
120	3-20	405P / 410P	BLAKELY	15.0	3.00	6.73	0.34	20.2		FLOAT	1	0	"

F. C. Dist. Form 52 4-46

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 46

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.8	1.1	0.6	1.1	1.7	1.4	1.7	1.7	1.7	0.3	2.5
2	0.6	0.8	1.1	0.8	0.8	1.4	5.3	1.4	1.1	1.4	0.3	2.1
3	0.6	0.8	1.1	1.1	8.2	1.4	2.1	1.4	1.1	1.4	0.6	1.7
4	0.6	0.8	0.8	0.8	4.2	1.4	2.5	1.4	1.1	1.4	0.8	1.7
5	0.6	1.1	0.8	1.7	1.7	1.4	1.7	1.4	1.1	1.4	0.6	1.7
6	0.6	1.1	0.8	1.1	1.1	1.4	5.4	1.7	1.1	1.4	1.1	1.7
7	0.6	0.8	1.1	1.7	1.1	1.1	2.1	1.7	1.1	1.4	1.1	1.7
8	0.6	0.8	1.1	1.4	1.1	1.1	1.4	2.1	1.1	1.4	1.4	1.7
9	0.6	0.8	1.1	1.4	1.1	0.8	1.1	2.1	1.1	1.4	1.1	1.7
10	0.6	0.8	1.1	1.2	1.4	1.1	1.1	2.1	1.1	1.4	1.1	1.7
11	0.8	0.8	0.8	1.1	1.1	0.8	1.1	1.7	1.1	1.1	0.8	1.7
12	0.8	0.8	1.1	0.8	1.1	0.8	1.1	1.4	1.1	1.1	0.8	1.7
13	0.8	0.8	1.1	0.8	1.1	2.3	1.4	1.4	1.1	1.1	1.1	1.7
14	0.8	0.8	1.1	0.8	1.1	1.1	1.7	1.7	1.1	1.1	1.4	1.7
15	0.8	1.1	0.8	1.1	2.2	1.4	1.7	1.4	1.1	1.1	1.4	1.7
16	1.0	1.1	0.8	1.4	2.5	1.4	1.7	1.4	1.1	1.1	1.1	1.7
17	1.0	1.1	0.8	1.1	2.1	1.4	1.4	1.4	1.1	1.1	1.1	1.7
18	1.0	1.1	1.1	1.1	1.4	1.7	1.4	1.7	1.1	1.1	1.4	1.7
19	1.0	1.1	1.1	1.4	1.4	2.6	1.4	1.7	1.1	1.1	1.7	1.7
20	1.1	0.8	1.1	1.1	1.4	3.7	1.4	1.7	1.1	1.4	1.7	1.7
21	1.1	0.8	9.7	0.8	1.4	1.4	1.7	1.7	1.4	1.4	1.4	1.7
22	1.1	0.8	13.5	0.8	1.4	1.4	1.7	1.4	1.4	1.4	1.1	1.7
23	1.1	0.8	6.6	0.8	1.4	1.7	1.4	1.4	1.4	1.4	0.8	1.7
24	1.1	0.8	1.7	1.4	1.4	1.7	1.4	1.1	1.4	1.4	0.8	1.7
25	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.1	1.4	1.4	1.1	1.7
26	1.1	0.8	1.4	1.1	1.4	1.4	1.4	1.1	1.4	1.4	1.1	1.4
27	0.8	0.6	1.7	1.1	1.4	1.4	1.4	1.1	1.4	1.4	1.1	1.4
28	1.1	0.6	1.7	1.4	1.4	11	1.4	1.1	1.7	1.7	1.1	1.7
29	3.8	0.8	1.4	1.4		16	1.7	1.1	1.7	1.7	2.1	1.4
30	3.5	0.8	1.1	1.4		72	1.7	1.1	1.7	1.4	2.1	1.4
31	1.4		0.8	1.1				1.1		0.4	2.1	
	32.0	25.7	329.1	35.2	122.2	162.8	53.6	45.8	37.5	40.6	35.7	51.0
MEAN	1.03	0.86	10.6	1.14	4.36	5.43	1.79	1.48	1.25	1.31	1.15	1.7
ACRE-FEET	63.	51.	653.	70.	242.	323.	106.	91.	74.	81.	71.	101.

Remarks:

YEAR OR PERIOD MEAN 2.66
ACRE-FEET 1,930.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

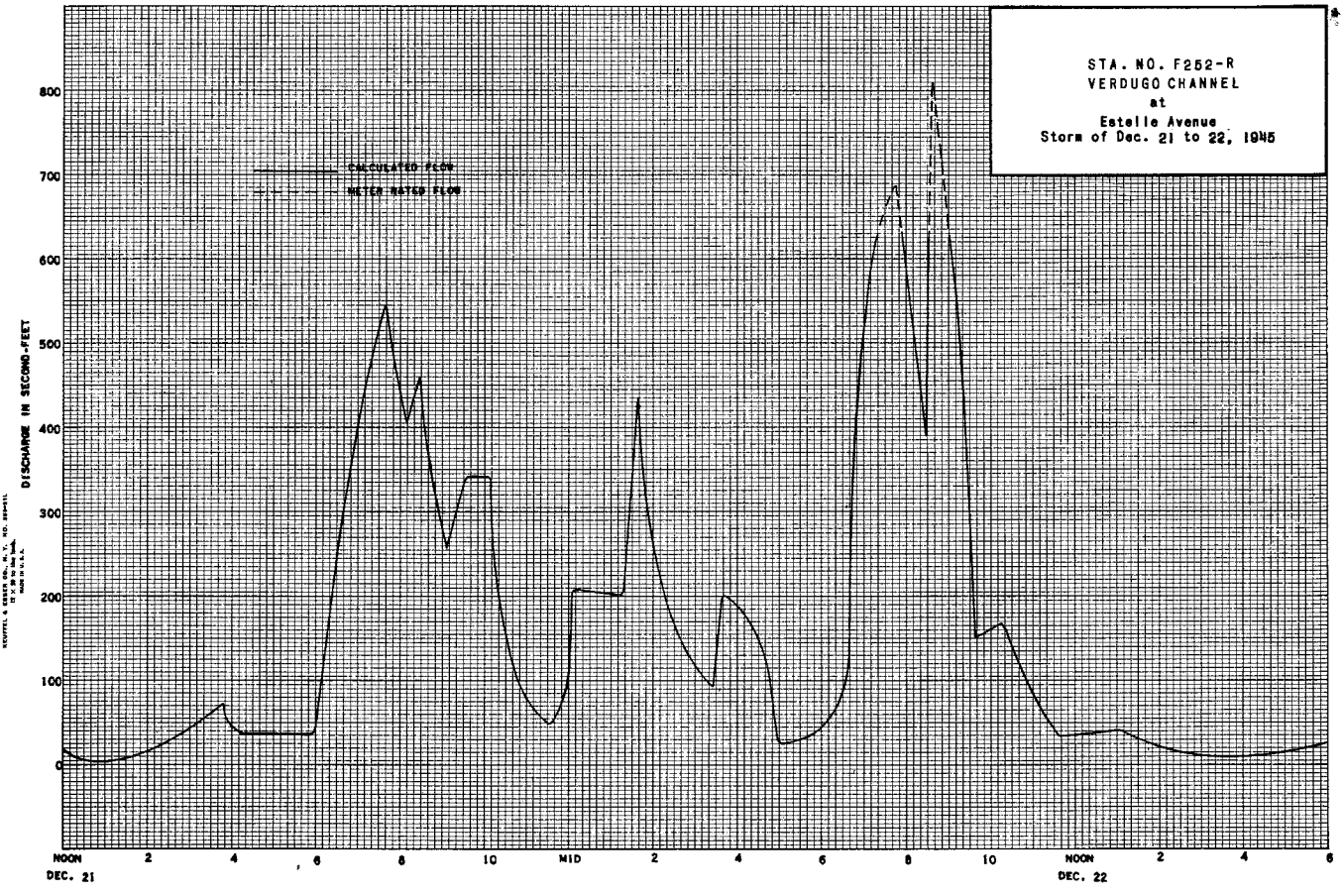
Sta. No. F 252-R

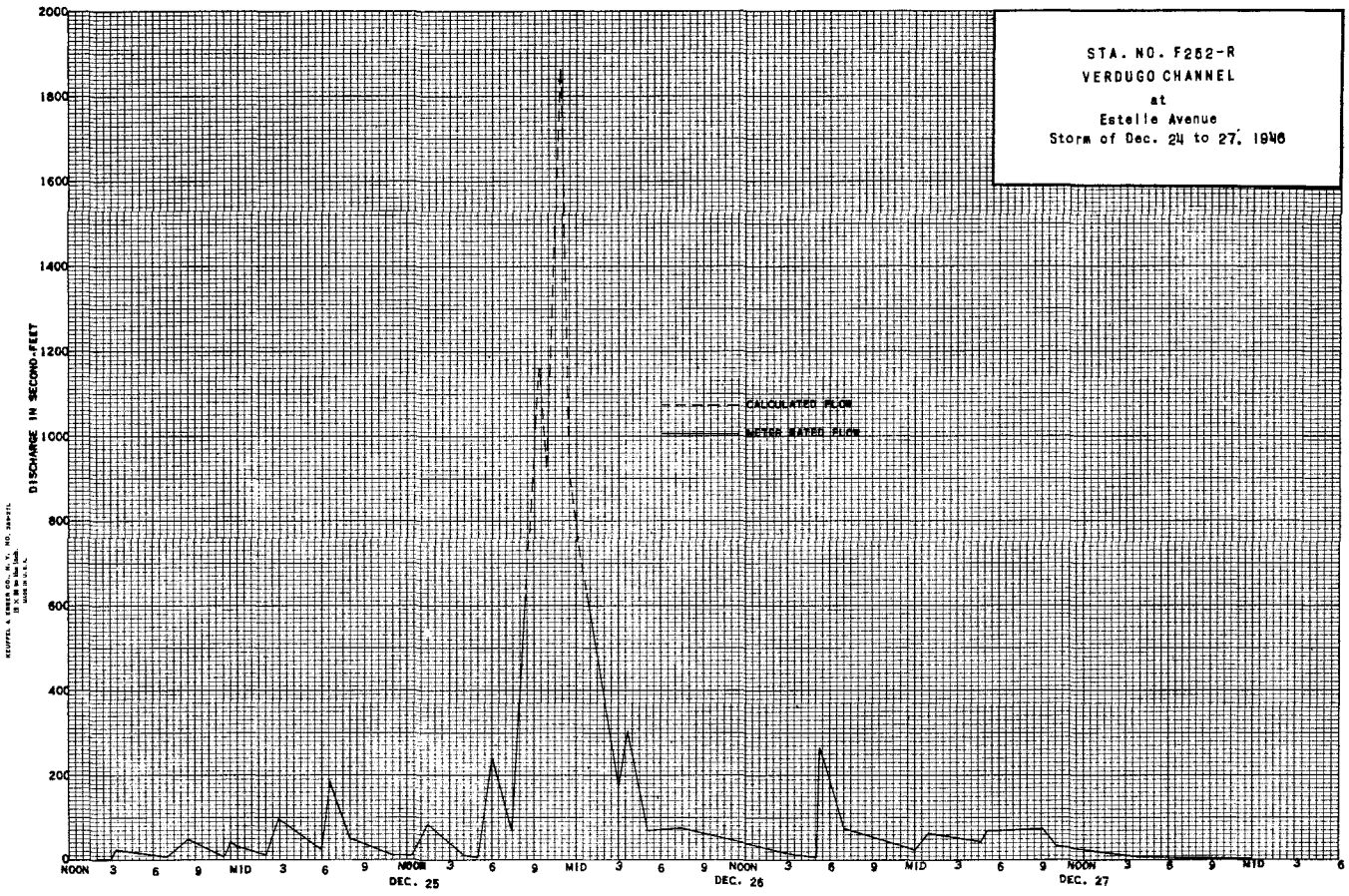
Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue, for the year ending September 30, 19 47

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	0	+	b 0.2	0.1	0.1	+	0	0	0	0	0
2	1.2	0	+	0.1	0.1	0.1	+	0	0	0	0	0
3	2.2	0	+	0.1	0.1	0.2	0.2	0	0	0	0	0
4	1.0	0	+	0.1	0.1	0.2	0.2	0	0	0	0	0
5	1.0	0	+	0.1	0.1	3.5	0.1	0.1	0	0	0	0
6	1.0	0	40	0.2	0.1	0.2	0.1	+	0	0	0	0
7	1.0	+	b 0.2	0.2	0.1	0.1	+	+	0	+	0	0
8	1.0	6.5	b 0.2	0.2	0.1	0.1	+	0	0	0	0	0
9	1.0	0.2	b 0.1	b 0.2	4.1	0.1	0	0	0	0	0	0
10	1.0	0.2	b 0.1	0.2	0.2	0.1	+	0	0	0	0	0
11	1.0	14	0.1	0.2	0.1	0.1	0	0	0	0	0	0
12	0.7	111	+	0.2	0.2	0.1	0	0	+	0	0	0
13	0.7	f112	+	0.2	0.2	0.1	0	0	0	0	0	0
14	1.0	f 50	+	0.2	0.1	0.1	+	0	0	0	0	0
15	1.2	b 0.3	+	0.2	0.1	0.1	0	0	0	0	0	0
16	7.1	b 0.2	+	0.1	0.1	0.1	0	0	0	0	0	0
17	1.0	b 0.1	+	0.1	0.6	0.1	0	0	0	0	0	0
18	1.0	0.1	0.1	0.1	0.2	0.6	0	0	0	0	0	0
19	1.0	0.1	0.1	0.2	0.1	0.7	0	0	0	0	0	0
20	1.0	103	0.1	0.2	0.1	2.1	0	0	0	0	+	0
21	1.0	b 0.1	0.1	0.2	0.2	1.6	0	0	0	+	0	0
22	1.0	+	0.1	0.1	0.1	0.2	+	0	0	0	0	0
23	1.0	40	0.3	0.1	0.1	0.1	0	0	0	0	0	0
24	0.2	b 0.2	0.9	0.5	0.1	0.1	0	0	0	0	0	0
25	+	b 0.1	234	0.3	0.1	0.1	0	0	0	0	0	0
26	0	0.1	122	0.2	0.2	0.1	0	0	0	0	0	0
27	1.0	+	31	0.2	0.1	0.8	0	+	0	0	0	0
28	0.2	+	b 0.7	12	0.1	9.4	0	0	0	0	0	0
29	0.1	+	b 0.6	0.2		0.2	0	0	0	0	0	0
30	0.1	+	b 0.5	0.1		0.1	0	0	0	0	0	0
31	+		b 0.3	0.1				0		+	0	
	52.7	438.2	439.6	17.3	7.9	21.7	0.6	0.1	+	+	+	0
MEAN	1.75	14.6	14.2	0.56	0.28	0.70	+	+	+	+	+	0
ACRE-FEET	105	869	872	34	16	43	1.2	0.2	+	+	+	0

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

YEAR OR PERIOD MEAN 2.68
ACRE-FEET 1940





STATION F47-R
WALNUT CREEK at Covina Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'58", LONG. 117°59'00", ON THE DOWNSTREAM SIDE OF COVINA BOULEVARD BRIDGE, ABOUT 2 MILES SOUTHWEST OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 309.18 FEET. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS.

DRAINAGE AREA: 102.0 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 15, 1928 OVER AN 18 INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1945 TO SEPTEMBER 30, 1947.

REGULATION: FLOW PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA AND AZUSA CANALS IN LITTLE DALTON WASH, AND BIG DALTON WASH, SAN DIMAS WASH, AND WALNUT CREEK.

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION.

RECORDS AVAILABLE: DECEMBER 15, 1928 TO SEPTEMBER 30, 1947. (FOR RECORDS PRIOR TO DECEMBER 15, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1945-1946
MAXIMUM 2430 SECOND-FEET, DECEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1946-1947
MAXIMUM 610 SECOND-FEET, NOVEMBER 23.
MINIMUM NO FLOW MOST OF YEAR.

1928-1947
MAXIMUM 8,060 SECOND-FEET, JANUARY 1, 1934
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 WALNUT CREEK

AT ~~NEAR~~ Covina Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
229	12/23	420P / 435P	BREWSTER	26.0	9.70	1.31	2.88	12.7		.6	6	-.01	FC12
230	1/10	115P / 127P	"	20.0	5.20	0.77	2.72	4.0		.6	5	0	"
231	2/3	320P / 340P	"	98.0	79.4	3.94	3.83	313.		.6	10	-.10	"
232	2/4	105P / 115P	"	10.0	3.40	0.85	2.94	2.9		.6	5	0	"
233	3/14	144P / 152P	"	6.0	1.17	1.11	2.82	1.3		.6	4	-.01	"
234	3/19	928A / 940A	"	22.0	6.70	1.00	2.99	6.7		.6	5	+.02	"
235	3/20	300P / 306P	WADDICOR - HOLMES	13.0	5.13	1.57	2.99	8.0		.6	6	0	FC22
236	3/21	215P / 220P	BREWSTER	2.0	0.30	0.53	2.84	0.16		.6	2	-.01	FC12
237	3/28	120P / 135P	"	21.0	4.36	0.73	2.95	3.2		.6	6	0	"
238	3/30	733A / 748A	COLE - HOLMES	66.0	36.7	2.67	3.40	98.0		.6	11	0	FC20
239	3/30	1100A / 1115A	BREWSTER - COOLEY	64.0	43.3	3.26	3.50	141.		.6	7	0	FC12
240	3/30	1210P / 1230P	" "	96.0	88.4	4.12	3.79	364.		.6	11	+.06	"

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT Covina Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
241	11-12	1032A / 1043A	BREWSTER	32.0	17.0	1.88	3.14	31.9		.6	5	-.01	FC12
242	11-13	250P / 305P	BREWSTER - VINES	64.0	50.1	2.93	3.55	147.		.6	7	-.02	"
243	11-14	1258P / 110P	" "	42.0	15.9	1.55	3.14	24.6		.6	6	-.08	"
244	11-20	1230P / 1240P	"	64.0	40.9	2.74	3.41	112.		.6	7	-.02	"
245	11-23	105P / 125P	BREWSTER	98.0	98.1	4.17	3.96	409.		.6	10	-.06	"
246	12-26	1100A / 1110A	"	10.0	5.20	1.94	3.03	10.1		.6	5	-.04	"
247	12-27	352P / 418P	KASIMOFF - HAIG	TWO CHANNELS			3.31	88.2		.5 / .6	16	-.06	FC47

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FW7-R

Daily discharge, in second-feet of WALNUT CREEK at Covina Boulevard, for the year ending September 30, 19 46

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	3.1	0	0	0	0	0	0
3	0	0	0	0	38	5.1	0	0	0	0	0	0
4	0	0	0	0	b 2.0	3.7	0	0	0	0	0	0
5	0	0	0	0	0	6.0	0	0	0	0	0	0
6	0	0	0	0	0	3.1	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	0.6	0	0	0	0	0	0	0	0
10	0	0	0	2.8	0	1.4	0	0	0	0	0	0
11	0	0	0	4.8	0	5.0	0	0	0	0	0	0
12	0	0	0	4.8	0	4.6	0	0	0	0	0	0
13	0	0	0	4.8	0	0	0	0	0	0	0	0
14	0	0	0	4.2	0	4.0	0	0	0	0	0	0
15	0	0	0	3.3	0	2.4	0	0	0	0	0	0
16	0	0	0	0	0	1.2	0	0	0	0	0	0
17	0	0	0	0	0	2.1	0	0	0	0	0	0
18	0	0	0	0	0	1.0	0	0	0	0	0	0
19	0	0	0	0	0	4.5	0	0	0	0	0	0
20	0	0	0	0	0	4.7	0	0.2	0	0	0	0
21	0	0	173	0	0	1.2	0	0	0	0	0	0
22	0	0	620	0	0	0	0	0	0	0	0	0
23	0	0	352 b	0	0	0	0	0.2	0	0	0	0
24	0	0	0	0	0	0.5	0	0	0	0	0	0
25	0	0	0	0	0	1.6	0	0	0	0	0	0
26	0	0	0	0	0	1.0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0.2	2.0	0	0	0	0	0	0
29	0	0	0	0		1.9	0	0	0	0	0	0
30	0	0	0	0		112	0	0	0	0	0	0
31	0		0	0		0.4		0		0		
	0	0	1145	253	402	175.5	0	0.4	0	0	0	0
MEAN	0	0	36.9	0.82	1.44	5.66	0	0.01	0	0	0	0
ACRE-FEET	0	0	2,270.	50.	80.	348.	0	0.8	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 3.80
ACRE-FEET 2,750.

F. C. Dist. Form 52 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

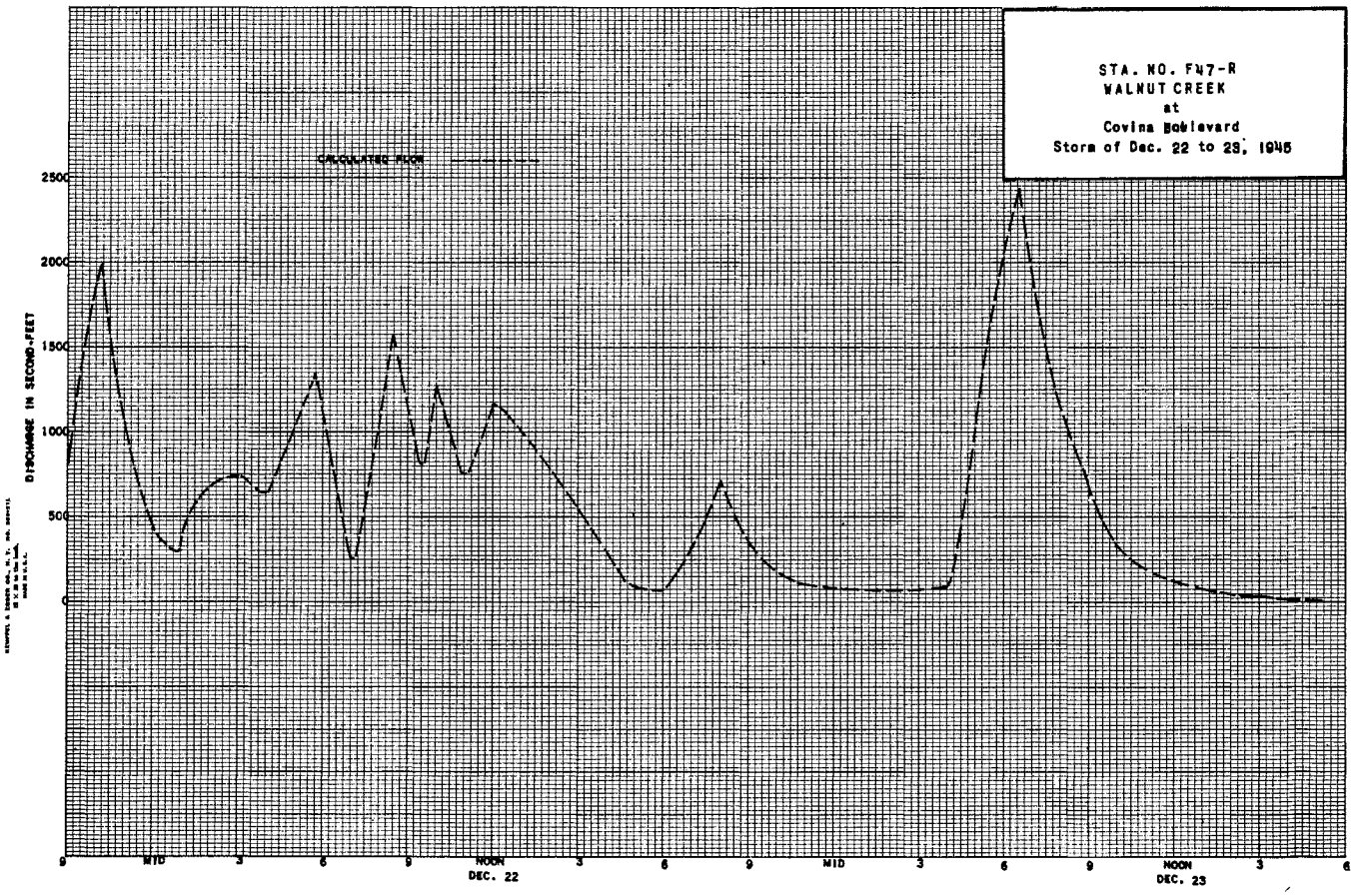
Sta. No. F 47-R

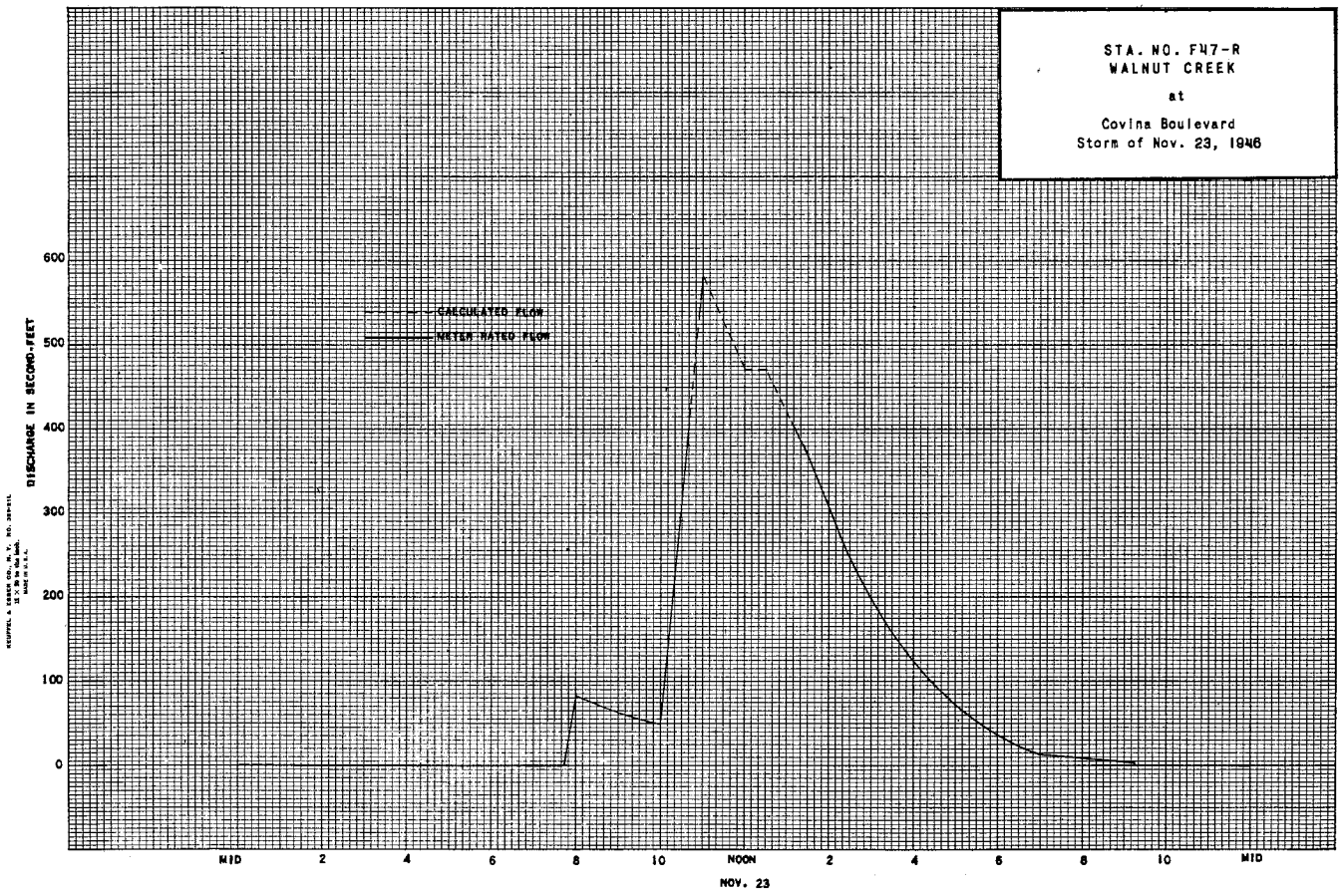
Daily discharge, in second-feet of WALNUT CREEK at Covina Boulevard, for the year ending September 30, 19 47

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	2.9	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	6.2	0	3.0	0	0	0	0	0	0	0	0
9	0	0	0	1.3	0.8	0	0	0	0	0	0	0
10	0	0	0	4.2	0.1	0	0	0	0	0	0	0
11	0	0.9	0	1.4	0	0	0	0	0	0	0	0
12	0	4.3	0	0	0	0	0	0	0	0	0	0
13	0	8.9	0	0	0	0	0	0	0	0	0	0
14	0	2.6	0	3.4	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	6.4	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	10.0	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	4.3	0	0	0	0	0	0	0	0	0
26	0	0	5.8	0	0	0	0	0	0	0	0	0
27	0	0	1.0	0	0	0	0	0	0	0	0	0
28	0	0	0	1.5	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	329.1	111.0	14.8	0.9	2.9	0	0	0	0	0	0
MEAN	0	11.0	3.58	0.48	0.03	0.09	0	0	0	0	0	0
ACRE-FEET	0	653	220	29	1.8	5.8	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.26
ACRE-FEET 910




STA. NO. F47-R
WALNUT CREEK
at
Covina Boulevard
Storm of Nov. 23, 1946
CALCULATED FLOW
METER RATED FLOW
DISCHARGE IN SECOND-FEET
600
500
400
300
200
100
0
MID
2
4
6
8
10
NOON
2
4
6
8
10
MID
NOV. 23

STAFF GAGING STATIONS

DISCHARGE MEASUREMENTS OF ARROYO DITCH F116-S

AT NEAR below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 48

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
476	10/4	1240P / 1250P	BREWSTER	7.5	12.7	1.76		22.4		.6	4		FC12
477	10/11	1230P / 1240P	"	7.5	12.8	1.75		22.4		.6	4		"
478	10/18	1205P / 1215P	"	7.5	12.8	1.86		23.8		.6	4		"
479	10/25	1230P / 1240P	"	7.5	13.7	1.75		24.0		.6	4		"
480	11/1	1149A / 1158A	"	7.5	11.8	1.73		20.4		.6	4		"
481	11/8	1145A / 1155A	"	7.5	12.4	1.69		21.0		.6	4		"
482	11/15	1210P / 1220P	"	7.5	6.60	2.05		13.5		.6	4		"
483	11/23	1205P / 1215P	"	7.5	8.65	2.01		17.4		.6	4		"
484	11/29	1147A / 1156A	"	7.5	11.2	1.78		19.9		.6	4		"
485	12/6	1203A / 1215P	"	7.5	11.6	1.62		18.8		.6	4		"
486	12/13	1204P / 1214P	"	7.5	11.6	1.55		18.0		.6	4		"
487	12/20	1225P / 1235P	"	7.5	11.1	1.49		16.5		.6	4		"
488	12/27	1125A / TO						0					
504	4/18	1150A / INCL. NO FLOW						0					
505	4/25	1145A / 1155A	BREWSTER	7.5	13.2	1.24		16.4		.6	4		"
506	5/2	1146A / 1155A	"	7.5	8.85	1.59		14.1		.6	4		"
507	5/9	1145A / 1155A	"	7.5	9.00	1.92		17.3		.6	4		"
508	5/16	1205P / 1215P	"	7.5	8.25	2.21		18.2		.6	4		"
509	5/23	1206P /	"					0					
510	5/31	1240P / 1250P	"	7.5	11.2	2.03		22.7		.6	4		"
511	6/7	1120A / 1130A	"	7.5	10.5	2.34		24.6		.6	4		"
512	6/13	1145A / 1155A	"	7.5	11.2	2.22		24.9		.6	4		"
513	6/20	1136A / 1148A	BREWSTER	7.5	12.8	1.92		24.6		.6	4		FC12
514	6/27	1145A / 1155A	"	7.5	12.0	1.92		23.0		.6	4		"
515	7/5	1130A / 1140A	"	7.5	9.75	2.19		21.4		.6	4		"
516	7/11	1120A / 1130A	"	7.5	9.75	2.33		22.7		.6	4		"
517	7/18	1105A / 1115A	"	7.5	9.75	2.05		20.0		.6	4		"
518	7/25	1120A / 1130A	"	7.5	9.35	2.05		19.2		.6	4		"
519	8/1	1130A / 1136A	"	7.5	9.00	2.11		19.0		.6	4		"
520	8/8	1140A / 1150A	BONADIMAN	7.5	8.70	2.25		19.6		.6	7		FC19
521	8/15	1130A / 1140A	"	7.5	10.4	2.12		22.1		.6	4		"
522	8/22	1120A / 1130A	"	7.5	9.52	2.19		20.8		.6	5		"
523	8/29	1120A / 1130A	BREWSTER	7.5	9.75	2.06		20.1		.6	4		FC12
524	9/5	1105A / 1115A	"	7.5	9.75	2.04		19.9		.6	4		"
525	9/12	1105A / 1115A	"	7.5	9.00	2.11		19.0		.6	4		"
526	9/19	1040A / 1050A	"	7.5	13.5	1.53		20.6		.6	4		"
527	9/26	1050A / 1100A	"	7.5	13.5	1.54		20.8		.6	4		"

DISCHARGE MEASUREMENTS OF ARROYO DITCH F116-S

AT NEAR below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
528	10-3	1115A /	BREWSTER					0					
529	10-10	1120A / 1130A	"	7.5	17.2	1.51		25.9		.6	4		FC12
530	10-17	1110A / 1120A	"	7.5	17.1	1.30		22.2		.6	4		"
531	10-24	1125A / 1135A	"	7.5	15.0	1.78		26.7		.6	4		"
532	10-31	1210P / 1220P	"	7.5	12.2	1.80		22.0		.6	4		"
533	11-7	1205P / 1215P	"	7.5	12.2	1.85		22.6		.6	4		"
534	11-15	1025A / TO						0					
551	3-20	1130A / INCL. NO FLOW						0					
552	3-27	123P / 130P	WADDICOR VAN DER GOOT	7.5	10.2	1.77		18.1		.6	5		FC37
553	4-2	230P / 240P	WADDICOR	7.7	7.73	1.89		14.6		.6	5		"
554	4-10	110P / 120P	"	7.5	5.57	1.92		10.7		.6	8		"
555	4-17	135P / 145P	"	7.5	10.2	1.65		16.8		.6	8		"
556	4-24	125P / 135P	"	7.5	9.70	1.88		18.2		.6	8		"
557	5-1	113P / 118P	WADDICOR-MELLEN	7.5	14.2	1.50		21.4		.6	8		"
558	5-8	1130A / 1140A	WADDICOR	7.5	9.49	1.82		17.3		.6	8		"
559	5-15	1142A / 1152A	"	7.5	9.85	1.81		17.8		.6	8		"
560	5-22	1115A / 1125A	"	7.5	11.6	1.64		19.0		.6	8		"
561	5-29	1125A / 1135A	"	7.5	6.24	1.96		12.2		.6	8		"
562	6-5	1140A / 1150A	"	7.5	8.34	2.04		17.0		.6	8		"
563	6-12	1150A / 1200N	"	7.5	9.13	2.05		18.7		.6	8		"
564	6-19	1150A / 1200N	"	7.5	7.74	2.04		15.8		.6	8		"
565	6-26	1120A / 1130A	"	7.5	8.40	1.87		15.7		.6	8		"
566	7-3	1125A / 1135A	"	7.5	9.81	1.75		17.2		.6	8		"
567	7-10	1150A / 1200N	"	7.5	11.7	1.50		17.6		.6	8		"
568	7-17	1145A / 1155A	"	7.5	13.2	1.52		20.1		.6	8		"
569	7-17	1147A / 1156A	BREWSTER	7.0	16.6	1.23		20.5		.6	4		FC12
570	7-24	1100A / 1110A	WADDICOR	7.5	11.6	1.52		17.6		.6	8		FC37
571	7-31	1110A / 1120A	"	7.5	11.7	1.48		17.3		.6	8		"
572	8-7	1105A / 1115A	BREWSTER	6.0	11.8	1.57		18.5		.6	3		FC12
573	8-14	1112A / 1124A	"	6.0	13.2	1.56		20.6		.6	3		"
574	8-21	1108A / 1116A	"	6.0	13.2	1.50		19.8		.6	3		"
575	8-28	1140A / 1150A	WADDICOR	7.5	8.24	1.70		14.0		.6	8		FC37
576	9-4	1030A / 1040A	"	7.5	11.2	1.56		17.5		.6	8		"
577	9-11	1100A / 1110A	"	7.5	11.3	1.50		16.9		.6	8		"
578	9-18	1120A / 1130A	"	7.5	11.4	1.46		16.7		.6	8		"
579	9-25	1110A / 1120A	"	7.5	11.5	1.24		14.2		.6	8		"

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT ~~NEAR~~ Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
115	10/4	423P / 428P	BOLLINGER	4.2	0.77	1.13		0.87		.6	4		FC6
116	11/23	920A / 923A	HAIG	3.5	0.65	1.12		0.73		.5	4		FC35
117	11/28	950A / 953A	"	4.0	0.96	1.77		1.7	FLOATS	4			
118	12/6	445P / 450P	"	4.0	0.55	0.89		0.49	SURFACE	4			FC35
119	12/13	244P / 250P	"	3.0	0.48	1.15		0.55		.5	4		"
120	1/3	315P / 320P	"	4.0	0.60	2.50		1.5		.5	4		"
121	1/24	145P / 150P	"	4.0	0.80	1.23		0.98		.5	4		"
122	1/31	300P / 305P	"	4.5	1.04	1.15		1.2		.5	5		"
123	2/21	318P / 323P	"	3.6	0.62	1.66		1.0		.5	4		"
124	3/7	1115A / 1120A	"	4.0	0.84	1.31		1.1		.5	4		"
125	3/21	305P / 310P	"	4.0	0.70	1.57		1.1		.5	5		"
126	3/28	200P / 210P	"	5.0	1.50	3.73		5.6		.5	4		"
127	4/4	930A / 935A	"	4.0	0.92	2.61		2.4		.6	4		"
128	4/11	405P / 410P	"	4.0	0.72	2.22		1.6		.5	4		"
129	4/18	140P / 145P	"	4.0	1.10	2.36		2.6		.5	4		"
130	4/25	135P / 140P	"	4.0	1.00	2.00		2.0		.5	4		"
131	5/2	410P / 415P	"	4.0	1.22	1.80		2.2		.5	4		"
132	5/9	316P / 320P	"	4.0	1.06	2.30		2.4		.5	4		"
133	5/16	120P / 125P	"	1.5	0.44	1.57		0.69		.5	4		"
134	5/23	145P / 150P	"	4.0	0.80	1.24		1.0		.5	4		"
135	5/31	240P / 245P	HAIG	3.0	0.83	0.92		0.82		.6	4		FC35
136	6/6	225P / 230P	"	3.5	0.77	1.05		0.81		.5	7		"
137	6/20	340P / 345P	"	4.0	0.80	1.00		0.80		.5	4		"
138	6/27	420P / 430P	"	3.0	0.60	1.83		1.1		.5	4		"
139	7/5	305P / 310P	"	4.0	0.83	1.32		1.1		.5	4		"
140	7/11	330P / 335P	"	4.0	0.82	1.16		0.95		.5	4		"
141	7/18	345P / 350P	"	4.0	0.72	1.17		0.84		.5	4		"
142	7/25	405P / 410P	"	4.0	0.78	1.13		0.88		.5	5		"
143	8/1	240P / 245P	"	4.0	0.78	1 14		0.89		.5	4		"
144	8/8	1125A / 1130A	"	3.5	0.83	0.98		0.81		.5	6		"
145	9/4	100P / 110P	WADDICOR	2.4	0.46	0.98		0.45		.6	4		FC37

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT ~~NEAR~~ Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
146	10-24	105P / 110P	WADDICOR	2.0	0.36	0.72		0.26		.6	2		FC37
147	12-12	121P / 126P	"	4.5	1.37	0.95		1.3		.6	3		"
148	2-13	135P / 140P	WADDICOR-BLAKELY	7.0	2.15	1.16		2.5		.6	5		"
149	2-27	255P / 257P	BLAKELY	7.0	1.40	1.14		1.6		.5	2		FC35
150	3-21	1020A / 1025A	"	9.7	2.97	1.89		5.6		.6	5		"
151	3-27	252P / 256P	"	5.5	1.29	0.71		0.92		.5	5		"
152	4-3	212P / 217P	"	6.0	1.01	1.19		1.2		.5	5		"
153	4-17	325P / 327P	BLAKELY-JOHNSON	6.5	1.07	0.94		1.0		.5	4		"
154	5-1	230P / 232P	BLAKELY	5.0	0.84	1.19		1.0		.5	3		"
155	5-15	248P / 251P	"	4.0	1.00	1.20		1.2		.5	4		"
156	5-21	215P / 225P	STUNDEN	4.0	0.80	0.93		0.74		.5	4		FC36
157	6-2	221P / 225P	BLAKELY	4.2	0.94	1.04		0.98		.5	4		FC35
158	6-12	259P / 301P	"	3.8	1.36	0.71		0.96		.5	3		"
159	7-10	947A / 955A	"	4.3	1.23	0.89		1.1		.5	5		"
160	7-17	302P / 307P	"	3.8	0.83	0.87		0.72		.5	5		"

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT ~~NEAR~~ Head of Pipe Line DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
451	10/4	1210P / 1220P	BREWSTER	4.5	8.35	2.71		22.6		.6	4		FC12
452	10/11	1206P / 1215P	"	4.5	7.00	3.26		22.8		.6	4		"
453	10/18	1130A / 1140A	"	4.5	7.55	2.54		19.2		.6	4		"
454	10/25	1205P / 1215P	"	4.5	6.55	3.63		23.8		.6	4		"
455	11/1	1125A / 1135A	"	4.5	6.10	3.70		22.6		.6	4		"
456	11/8	1125A / 1135A	"	4.5	8.35	3.04		25.4		.6	4		"
457	11/15	1144A / 1156A	"	4.5	7.45	3.07		22.9		.6	4		"
458	11/23	1145A / 1155A	"	4.5	7.40	3.14		23.2		.6	4		"
459	11/29	1132A / 1141A	"	4.5	4.90	3.55		17.4		.6	4		"
460	12/6	1140A / 1150A	"	4.5	5.35	3.76		20.1		.6	4		"
461	12/13	1135A / 1145A	"	4.5	5.80	3.38		19.6		.6	4		"
462	12/20	1204P / 1214P	"	4.5	15.0	1.57		23.6		.6	4		"
463	12/27	1100A TO						0					
473	3/7	1148A	INCL., NO FLOW					0					
474	3/14	1116A / 1126A	BREWSTER	4.5	6.26	2.57		16.1		.6	4		FC12
475	3/21	1128A / 1137A	"	4.5	1.03	0.75		0.77		.6	4		"
476	3/28	1020A / 1030A	"	4.5	1.20	2.00		2.4		.6	4		"
477	4/4	1115A	"					0					
478	4/11	1124A	"					0					
479	4/18	1130A / 1140A	"	4.5	2.02	4.16		8.4		.6	4		"
480	4/25	1125A / 1135A	BREWSTER	4.5	4.42	2.67		11.8		.6	4		FC12
481	5/2	1136A	"					0					
482	5/9	1123A / 1134A	"	4.5	9.52	2.94		28.0		.6	4		"
483	5/16	1135A / 1145A	"	4.5	6.10	3.74		22.8		.6	4		"
484	5/23	1140A / 1150A	"	4.5	7.45	3.66		27.3		.6	4		"
485	5/31	1220P / 1230P	"	4.5	6.10	3.67		22.4		.6	4		"
486	6/7	1058A / 1109A	"	4.5	6.21	4.13		25.6		.6	4		"
487	6/13	1125A / 1135A	"	4.5	6.20	3.77		23.4		.6	4		"
488	6/20	1117A / 1126A	"	4.5	6.55	3.27		21.4		.6	4		"
489	6/27	1125A / 1135A	"	4.5	6.10	3.28		20.0		.6	4		"
490	7/5	1110A / 1120A	"	4.5	6.39	3.44		22.0		.6	4		"
491	7/11	1100A / 1110A	"	4.5	6.42	3.08		19.8		.6	4		"
492	7/18	1040A / 1050A	"	4.5	9.40	2.19		20.6		.6	4		"
493	7/25	1050A / 1100A	"	4.5	9.16	2.01		18.4		.6	4		"
494	8/1	1105A / 1112A	"	4.5	5.82	3.36		19.6		.6	4		"
495	8/8	1110A / 1116A	BONADIMAN	4.5	9.14	2.39		21.8		.6	4		FC19
496	8/15	1050A / 1056A	"	4.5	5.40	3.30		17.8		.6	4		"
497	8/22	1100A / 1056A	"	4.5	5.35	3.54		18.9		.6	4		"
498	8/29	1055A	BREWSTER	4.5	6.21	3.03		18.8		.6	4		FC12
499	9/5	1040A / 1050A	"	4.5	6.10	3.10		18.9		.6	4		"
500	9/12	1045A / 1055A	"	4.5	6.43	3.05		19.6		.6	4		"
501	9/19	1015A / 1025A	"	4.5	5.89	2.87		16.9		.6	4		"
502	9/26	1030A / 1040A	"	4.5	6.86	2.73		18.7		.6	4		"

DISCHARGE MEASUREMENTS OF SANTA DITCH F87-S

AT Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
503	10-3	1050A / 1100A	BREWSTER	4.5	7.99	2.45		19.6		.6	4		FC12
504	10-10	1100A / 1110A	"	4.5	6.21	3.01		18.7		.6	4		"
505	10-17	1045A / 1055A	"	4.5	5.31	2.56		13.6		.6	4		"
506	10-24	1105A / 1115A	"	4.5	9.70	1.54		14.9		.6	4		"
507	10-31	1145A / 1155A	"	4.5	4.41	2.68		11.8		.6	4		"
508	11-7	1135A / 1145A	"	4.5	4.84	2.44		11.8		.6	4		"
509	11-15	1010A	To					0					
527	3-20	100P	INCL. - NO FLOW					0					
528	3-27	205P / 215P	WADDICOR VAN DER COOT	4.5	7.79	2.38		18.5		.6	5		FC37
529	4-2	210P / 220P	WADDICOR	4.5	5.71	2.63		15.0		.6	5		"
530	4-10	155P / 205P	"	4.5	4.17	2.20		9.2		.6	5		"
531	4-17	210P / 220P	"	4.5	5.55	2.45		13.6		.6	5		"
532	4-24	155P / 205P	"	4.5	4.50	2.37		10.6		.6	5		"
533	5-1	132P / 138P	"	4.5	5.08	2.38		12.1		.6	5		"
534	5-8	130P / 140P	"	4.5	5.40	2.76		14.9		.6	5		"
535	5-15	145P / 155P	"	4.5	6.25	2.91		18.2		.6	5		"
536	5-22	115P / 125P	"	4.5	5.66	2.63		14.9		.6	5		"
537	5-29	120P / 130P	"	4.5	5.11	2.66		13.6		.6	5		"
538	6-5	120P / 125P	"	4.5	4.30	2.09		9.0		.6	5		"
539	6-12	140P / 150P	"	4.5	5.41	2.49		13.5		.6	5		"
540	6-19	150P / 200P	"	4.5	4.67	2.42		11.3		.6	5		"
541	6-26	110P / 120P	"	4.5	5.63	2.88		16.2		.6	5		"
542	7-3	140P / 150P	"	4.5	5.09	3.01		15.3		.6	5		"
543	7-10	130P / 140P	"	4.5	5.28	3.05		16.1		.6	5		"
544	7-17	120P / 130P	BREWSTER	4.5	4.86	2.59		12.6		.6	4		FC12
545	7-17	130P / 140P	WADDICOR	4.5	4.82	2.57		12.4		.6	5		FC37
546	7-24	105P / 115P	"	4.5	4.90	2.16		10.6		.6	5		"
547	7-31	130P / 140P	"	4.5	5.33	2.52		13.4		.6	5		"
548	8-7	1040A / 1050A	BREWSTER	4.5	4.86	2.43		11.8		.6	4		FC12
549	8-14	1030A / 1040A	"	4.5	4.30	2.65		11.4		.6	4		"
550	8-21	1047A / 1056A	"	4.5	4.70	2.77		13.0		.6	4		"
551	8-28	110P / 120P	WADDICOR	4.5	5.27	2.52		13.3		.6	5		FC37
552	9-4	1050A / 1100A	"	4.5	4.91	2.57		12.6		.6	5		"
553	9-11	100P / 110P	"	4.5	4.45	2.34		10.4		.6	5		"
554	9-18	115P / 125P	"	4.5	4.88	2.33		11.4		.6	5		"
555	9-25	120P / 130P	"	4.5	4.84	2.26		10.9		.6	5		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
95	10/15	235P / 240P	TURNER HUGHES	10.0	4.64	1.64		7.6		.6	5		FC43
96	11/16	1255P / 105P	TURNER	10.0	4.46	1.43		6.4		.6	6		"
97	12/12	330P / 340P	"	10.0	4.04	1.41		5.7		.6	5		"
98	1/30	240P / 250P	"	17.0	8.61	1.60		13.8		.6	9		"
99	2/25	145P / 155P	"	17.0	10.4	1.77		18.4		.6	9		"
100	3/20	150P / 200P	"	19.5	9.29	1.78		16.5		.6	8		"
101	4/9	225P / 235P	"	23.0	16.7	2.73		45.6		.6	9		"
102	5/3	1015A / 1030A	"	23.0	16.2	2.78		45.0		.6	13		"
103	6/12	125P / 135P	LUCE	15.0	9.50	2.06		19.6		.6	8		FC39
104	7/10	435P / 445P	"	10.0	4.43	1.94		8.6		.6	6		"
105	8/9	330P / 335P	"	13.0	5.13	1.15		5.9		.6	7		"
106	9/6	635A / 640A	"	10.0	4.11	1.58		6.5		.6	6		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
107	10-10	145P / 150P	LUCE	10.5	4.25	1.15		5.9		.6	6		FC39
108	10-31	120P / 140P	"	8.0	4.18	1.78		6.8		.6	5		"
109	12-19	215P / 225P	"	14.5	8.87	2.52		22.3		.6	8		"
110	1-3	1010A / 1020A	"	22.0	16.4	3.93		64.7		.6	8		"
111	1-16	145P / 200P	"	21.0	15.4	3.63		55.9		.6	9		"
112	1-31	1150A / 1200N	"	18.0	12.0	4.11		49.3		.6	10		"
113	2-6	130P / 135P	"	19.0	13.1	2.75		36.0		.6	9		"
114	2-21	225P / 235P	"	19.0	11.3	3.08		34.8		.6	7		"
115	3-13	1005A / 1015A	"	17.5	8.60	3.14		27.0		.6	7		"
116	3-20	130P / 140P	"	19.0	10.9	2.67		29.1		.6	8		"
117	4-4	335P / 345P	"	18.2	9.47	2.47		23.4		.6	7		"
118	4-16	215P / 225P	"	12.0	9.10	1.44		13.1		.6	6		"
119	5-1	230P / 240P	"	12.2	7.43	1.33		9.9		.6	6		"
120	5-15	1015A / 1020A	"	14.0	8.30	1.17		9.7		.6	7		"
121	6-5	1005A / 1015A	"	13.5	7.76	1.17		9.1		.6	7		"
122	7-10	255P / 305P	"	10.0	6.26	0.86		5.4		.6	5		"
123	8-14	300P / 315P	"	11.0	6.01	0.88		5.3		.6	6		"
124	9-11	310P / 320P	"	11.5	6.22	0.85		5.3		.6	6		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S

AT Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
29	12/24	255P / 305P	TURNER	8.0	4.55	3.03		13.8		.6	5		FC43
30	1/30	330P / 335P	"	2.0	0.33	0.94		0.31		.5	2		"
31	3/20	335P / 345P	"	7.5	5.66	2.60		14.7		.6	8		"
32	4/9	415P / 420P	"	10.0	2.04	1.27		2.6		.5	4		"
33	5/3	1250P / 100P	"	17.0	7.69	2.46		18.9		.6	6		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S

AT Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
34	12-19	350P / 355P	LUCE	2.0	0.20	0.50		0.10		.6	2		FC39
35	1-3	1050A / 1100A	"	14.5	8.68	2.90		25.1		.6	8		"
36	2-6	215P / 225P	"	15.0	9.57	2.64		25.3		.6	8		"
37	2-21	350P / 400P	"	13.5	8.71	3.18		27.7		.6	8		"
38	3-13	1115A / 1125A	"	10.5	4.88	2.05		10.0		.6	6		"
39	3-20	245P / 252P	"	9.0	4.04	1.98		8.0		.6	5		"
40	4-16	305P	"					NO FLOW					

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN F265-S

AT ~~NEAR~~ Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12/10	1220P / 1225P	HAIG BOLLINGER	30.0	3.90	1.92		7.5	FLOATS	4			
2	1/23	405P / 418P	HAIG	34.5	3.60	1.44		5.2	"	7			
3	6/6	1250P / 100P	"	34.0	5.31	0.88		4.7	.5	8			FC35
4	6/27	830A / 840A	"	21.0	5.83	0.60		3.4	.5	12			"
5	7/11	950A / 1008A	"	20.0	6.97	0.76		5.3	.5	12			"
6	7/25	1000A / 1020A	"	37.0	8.02	0.97		7.8	.5	14			"
7	8/8	910A / 920A	"	19.5	5.05	0.63		3.2	.5	11			"
8	8/22	1053A / 1102A	BOLLINGER	19.5	5.64	0.87		4.9	.5	8			FC6
9	9/4	1058A / 1108A	WADDICOR	23.0	6.93	0.59		4.1	.6	8			FC37
10	9/20	1135A / 1143A	BOLLINGER	18.0	5.81	0.79		4.6	.6	9			FC6

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN F265-S

AT ~~NEAR~~ Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
11	3-28	1145A / 1150A	BLAKELY	22.0	6.60	3.14		20.7	FLOATS				
12	6-12	136P / 142P	"	23.0	4.15	0.84		3.5	.5	7			FC35
13	6-19	1240P / 1246P	"	24.0	4.92	0.81		4.0	.5	7			"
14	7-2	307P / 313P	BOLLINGER	17.0	4.00	0.87		3.5	.6	6			FC6
15	7-17	110P / 116P	BLAKELY	18.0	5.00	0.86		4.3	.5	7			FC35
16	7-31	140P / 146P	"	21.0	5.06	0.89		4.5	.5	6			"
17	8-13	150P / 200P	TURNER	18.0	5.22	0.77		4.0	.5	6			FC43
18	9-4	1140A / 1146A	BLAKELY	22.0	3.74	0.91		3.4	.5	6			FC35

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT ~~NEAR~~ Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
54	12/27	1050A / 1054A	HAIG	4.0	0.58	0.88	10.78	0.51	.5	4			FC35
55	1/3	930A / 934A	"	2.0	0.30	0.90	10.76	0.27	.5	4			"
56	1/10	930A / 936A	"	2.0	0.30	0.77	10.75	0.23	.5	4			"
57	1/17	935A / 945A	"	2.2	0.46	0.80	10.79	0.37	.5	4			"
58	1/23	1005A / 1008A	"	2.0	0.42	0.74	10.79	0.31	.5	4			"
59	1/31	905A / 910A	"	2.0	0.39	0.69	10.79	0.27	.5	4			"
60	2/3	405P / 415P	"	12.0	5.01	1.43	11.00	7.2	.5	7			"
61	2/7	1134A / 1137A	"	3.5	0.76	0.68	10.68	0.52	.5	5			"
62	2/14	1140A / 1144A	"	2.0	0.47	0.94	10.67	0.44	.6	3			"
63	2/21	902A / 906A	"	2.1	0.48	0.85	10.68	0.41	.5	4			"
64	2/27	125P / 130P	"	1.8	0.45	0.93	10.67	0.42	.5	4			"
65	3/14	1115A / 1120A	"	1.8	0.33	0.79	10.68	0.26	.5	4			"
66	3/19	1139A / 1143A	BOLLINGER	5.8	1.37	0.80	10.72	1.1	.5	5			FC6
67	3/21	153P / 158P	"	3.6	0.86	0.95	10.70	0.82	.5	4			"
68	3/28	120P / 125P	"	5.7	1.22	0.86	10.74	1.05	.5	6			"
69	3/30	905A / 918A	HAIG	12.0	10.7	2.71	11.32	29.0	.6	6			FC35
70	4/4	200P / 207P	BOLLINGER	8.5	2.02	0.89	10.70	1.8	.5	7			FC6
71	4/11	138P / 146P	"	4.6	1.32	0.98	10.67	1.3	.5	6			"
72	4/18	155P / 200P	"	5.0	0.97	1.03	10.66	1.0	.5	5			"
73	4/25	338P / 343P	BOLLINGER	3.2	0.73	1.25	10.68	0.91	.5	5			FC6
74	5/2	407P / 412P	"	2.6	0.69	1.16		0.80	.6	3			"
75	5/6	1142A / 1148A	"	4.3	1.22	0.66	10.64	0.80	.5	6			"
76	5/16	350P / 355P	"	2.0	0.47	0.96	10.64	0.45	.5	3			"
77	5/23	415P / 419P	"	2.7	0.43	1.21	10.62	0.52	.5	3			"
78	5/31	423P / 428P	"	2.2	0.42	0.52	10.58	0.22	.5	3			"
79	6/13	420P / 424P	"	1.5	0.24	0.50	10.52	0.12	.5	2			"
80	7/10	335P / 340P	HAIG	0.50	0.12	0.17	10.52	0.02	.5	2			FC35

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT ~~NEAR~~ Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
81	11-20	1112A / 1122A	WADDICOR - OCAMPO	10.0	11.0	2.34		25.7		.6	6		FC37
82	11-21	500P / 507P	BOLLINGER	6.0	1.36	1.18		1.6		.5	4		FC6
83	11-24	1114A / 1121A	"	8.0	2.41	1.24		3.0		.6	8		"
84	11-27	502P / 507P	"	3.6	0.54	0.83		0.45		.5	4		"
85	12-5	415P / 422P	"	3.2	0.58	0.81		0.47		.5	4		"
86	12-6	1040A / 1050A	WADDICOR - OCAMPO	10.0	2.4	1.00		2.4		.6	5		FC37
87	12-12	454P / 500P	BOLLINGER	3.3	0.57	0.68		0.39		.5	3		FC6
88	12-19	441P / 446P	"	3.0	0.53	1.02		0.54		.5	3		"
89	12-29	1246P / 1254P	"	9.5	3.96	0.78		3.1		.6	6		"
90	1-2	955A / 1001A	"	6.0	1.89	1.16		2.2		.6	5		"
91	1-9	942A / 949A	"	5.3	1.46	0.96		1.4		.5	5		"
92	1-16	1011A / 1017A	"	5.0	1.36	0.96		1.3		.5	5		"
93	1-23	958A / 1003A	"	5.0	1.25	0.93		1.2		.5	5		"
94	1-30	1030A / 1037A	"	5.0	1.46	1.03		1.5		.5	5		"
95	2-6	1123A / 1130A	"	3.2	1.19	0.82		0.98		.5	5		"
96	2-13	953A / 958A	"	4.0	2.04	0.54		1.1		.6	4		"
97	2-20	1010A / 1017A	"	4.2	1.23	0.81		1.0		.5	7		"
98	2-27	1014A / 1020A	"	4.3	1.17	0.73		0.86		.5	5		"
99	3-6	936A / 941A	"	4.2	2.20	0.44		0.97		.5	5		"
100	3-13	1000A / 1007A	"	4.3	1.57	0.34		0.53		.5	5		"
101	3-27	403P / 408P	"	3.2	0.59	0.88		0.52		.5	4		"
102	4-3	341P / 348P	"	4.6	1.25	0.39		0.49		.5	6		"
103	4-10	453P / 458P	"	3.7	1.23	0.39		0.48		.5	4		"
104	4-18	400P / 407P	"	5.0	1.01	0.28		0.28		.5	6		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F1141-S

~~NEAR~~ above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
63	11/29	130P / 135P	TURNER	8.0	2.08	0.58	2.52	1.2		.5	6		FC43
64	12/6	1105A / 1115A	"	5.2	1.80	0.83	2.57	1.4		.5	6		"
65	12/13	1130A / 1140A	"	5.2	1.87	0.80	2.56	1.5		.5	6		"
66	12/20	1205P / 1210P	"	5.0	1.46	0.96	2.56	1.4		.5	6		"
67	12/22	1235P / 1250P	"	32.0	36.6	8.27	4.20	266.		.6	5		"
68	12/23	1055A / 1110A	"	34.0	30.8	5.23	3.70	161.		.6	9		"
69	12/27	415P / 425P	"	10.5	6.88	1.98	3.00	13.6		.6	6		"
70	1/3	1100A / 1105A	"	9.5	5.31	1.32	2.90	7.0		.6	5		"
71	1/10	220P / 230P	"	9.0	4.67	1.01	2.80	4.7		.6	9		"
72	1/16	1145A / 1155A	"	8.7	4.60	0.91	3.85	4.2		.6	7		"
73	1/24	1105A / 1115A	"	9.0	4.47	0.85	2.78	3.8		.6	7		"
74	1/31	1125A / 1135A	"	9.0	4.33	0.76	2.76	3.3		.6	8		"
75	2/6	1120A / 1130A	"	9.3	4.05	2.00	2.86	8.1		.6	5		"
76	2/14	1130A / 1140A	"	9.5	3.03	1.68	2.84	5.1		.6	6		"
77	2/21	110P / 115P	"	9.5	2.45	1.87	2.83	4.6		.6	6		"
78	3/1	1045A / 1055A	"	8.5	2.65	1.21	2.78	3.2		.6	5		"
79	3/7	1045A / 1055A	"	8.5	1.90	1.37	2.75	2.6		.6	5		"
80	3/14	1135A / 1140A	"	9.0	3.00	1.30	2.80	3.9		.6	5		"
81	3/19	1050A / 1100A	TURNER	12.5	6.09	2.37	3.02	14.4		.6	6		FC43
82	3/21	1150A / 1156A	"	9.5	3.49	1.75	2.86	6.1		.6	6		"
83	3/28	1015A / 1025A	"	25.0	5.33	1.44	3.11	7.7		.5	8		"
84	3/31	930A / 940A	"	29.0	32.9	4.47	3.60	147.		.6	6		"
85	4/3	1105A / 1115A	"	19.5	11.7	3.09	3.14	36.2		.6	8		"
86	4/11	1045A / 1055A	"	13.5	7.24	1.99	3.04	14.4		.6	7		"
87	4/19	1145A / 1155A	"	8.5	4.02	2.44	2.95	9.8		.6	5		"
88	4/25	1145A / 1155A	"	8.5	2.69	2.30	2.86	6.2		.6	8		"
89	5/2	1050A / 1100A	"	8.5	2.96	1.96	2.87	5.8		.6	8		"
90	5/9	1120A / 1130A	"	8.0	2.62	1.30	2.82	3.4		.5	8		"
91	5/16	1105A / 1115A	"	8.0	2.87	1.32	2.82	3.8		.5	8		"
92	5/29	1045A / 1052A	LUCE	6.0	2.50	1.46		3.7		.6	6		FC39
93	6/13	635A / 640A	"	5.2	1.70	0.59		1.0		.6	5		"
94	6/27	240P / 245P	"	2.5	0.31	0.26		.08		.6	3		"
95	8/8		"					0					

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F1141-S

~~NEAR~~ above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
96	11-12	100P / 105P	LUCE	6.0	1.74	0.75		1.3		.6	5		FC39
97	11-14	105P / 110P	"	19.0	6.94	2.06		14.3		.6	6		"
98	11-21	1220P / 1230P	"	20.0	9.76	2.63		25.7		.6	9		"
99	11-29	350P / 355P	LUCE - LUNDWALD	10.5	4.12	1.58		6.5		.6	7		"
100	12-5	1030A / 1100A	LUCE	9.0	3.52	1.39		4.9		.6	7		"
101	12-13	1140A / 1150A	"	11.5	3.24	1.11		3.6		.6	6		"
102	12-18	120P / 125P	"	7.0	2.92	1.20		3.5		.6	7		"
103	12-27	1200N / 1210P	LUCE - WRIGHT	43.5	34.4	4.13		142.		.6	11		"
104	12-31	1020A / 1030A	LUCE	14.0	7.80	1.81		14.1		.6	7		"
105	1-15	1030A / 1040A	"	12.0	5.54	1.18		6.5		.6	6		"
106	1-24	120P / 130P	"	12.0	4.42	1.15		5.1		.6	7		"
107	2-7	1040A / 1050A	"	8.0	4.15	1.18		4.9		.6	5		"
108	2-14	1025A / 1030A	"	9.0	3.92	1.12		4.4		.6	6		"
109	2-20	1025A / 1035A	"	6.5	2.95	1.66		4.9		.6	6		"
110	2-26	1135A / 1145A	"	9.0	3.16	1.39		4.4		.6	5		"
111	3-7	1145A / 1150A	LUCE - LUNDWALD	8.0	3.65	1.29		4.7		.6	5		"
112	3-28	1040A / 1045A	LUCE	10.0	4.50	2.02		9.1		.6	5		"
113	4-3	855A / 900A	"	9.2	3.04	1.32		4.0		.6	5		"
114	4-11	940A / 945A	"	8.5	2.94	1.50		4.4		.6	5		"
115	4-17	930A / 935A	"	6.0	1.36	0.74		1.0		.6	4		"
116	4-24	1025A / 1030A	"	6.0	2.06	0.92		1.9		.6	6		"
117	5-2	1025A / 1030A	"	5.5	1.43	1.12		1.6		.6	5		"
118	5-8	1120A / 1125A	"	4.5	0.69	0.87		0.60		.6	4		"
119	5-14	1100A / 1105A	"	5.5	1.04	0.87		0.90		.6	5		"
120	6-19	1110A / 1112A	"	1.2	0.10	0.20		0.02		.6	2		"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

~~NEAR~~ above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
157	10/4	920A / 926A	GILLESPIE	3.3	0.90	0.58	1.78	0.52		.6	6		FC37
158	10/11	1100A / 1105A	"	2.1	0.81	0.93	1.78	0.76		.6	5		"
159	10/18	1025A / 1032A	"	4.0	1.02	0.57	1.78	0.58		.6	5		"
160	10/25	947A / 955A	"	4.0	1.05	0.48	1.76	0.50		.6	4		"
161	11/1	1102A / 1107A	"	4.0	1.12	0.65	1.80	0.73		.5	4		"
162	11/8	1055A / 1100A	DE VORE	4.2	1.20	0.89	1.80	1.1		.6	4		FC42
163	11/15	408P / 418P	"	2.1	0.74	1.03	1.80	0.76		.5	5		"
164	11/21	159P / 207P	"	2.1	0.76	0.95	1.80	0.72		.6	5		"
165	11/29	315P / 322P	"	2.1	0.78	1.08	1.82	0.84		.6	5		"
166	12/6	204P / 212P	"	2.1	0.76	1.04	1.82	0.79		.6	5		"
167	12/13	318P / 326P	"	2.2	0.81	1.04	1.82	0.84		.6	5		"
168	12/20	205P / 213P	"	2.1	0.85	1.09	1.82	0.93		.6	6		"
169	1/3	226P / 235P	DE VORE	7.4	1.74	1.13	1.92	1.96		.6	7		"
170	1/10	140P / 146P	"	5.2	1.46	0.96	1.92	1.4		.6	5		"
171	1/17	1008A / 1015A	"	5.4	1.52	0.84	1.92	1.28		.6	5		"
172	1/24	950A / 955A	"	5.5	1.51	0.85	1.91	1.29		.6	5		"
173	1/31	213P / 219P	"	5.4	1.48	0.79	1.90	1.17		.6	5		"
174	2/14	144P / 152P	"	6.8	2.27	0.68	1.92	1.54		.6	6		"
175	2/20	1003A / 1011A	"	6.0	1.92	0.79	1.92	1.51		.6	5		"
176	2/28	139P / 148P	"	6.2	1.81	0.77	1.90	1.4		.6	7		"
177	3/7	351P / 357P	"	4.7	1.50	0.80	1.90	1.2		.6	6		"
178	3/14	251P / 300P	"	6.0	1.96	0.77	1.90	1.5		.6	6		"
179	3/21	303P / 313P	DE VORE	5.8	1.90	0.79	1.92	1.5		.6	8		FC42
180	3/28	1140A / 1148A	WADDICOR	5.2	1.55	1.61	1.94	2.5		.6	5		FC22
181	4/1	320P / 335P	STUNDEN	12.5	5.56	3.51	2.40	19.5		.6	6		FC36
182	4/4	924A / 934A	WADDICOR	11.5	4.80	2.29	2.18	11.0		.6	11		FC22
183	4/11	1150A / 1200N	"	6.0	4.30	1.30	2.04	5.6		.6	6		"
184	4/18	845A / 855A	"	6.0	3.00	1.23	1.98	3.7		.6	7		FC37
185	4/25	1225P / 1233P	"	3.7	1.39	1.51	1.92	2.1		.6	4		"
186	5/2	950A / 1000A	"	4.0	1.38	1.52	1.93	2.1		.6	8		"
187	5/9	1100A / 1108A	"	3.5	1.04	1.35	1.99	1.4		.6	7		"
188	5/16	1125A / 1135A	"	3.4	0.97	1.44	1.99	1.4		.6	7		"
189	5/23	1115A / 1121A	"	3.5	0.95	1.48	1.88	1.4		.6	7		"
190	5/31	1040A / 1045A	TURNER	4.3	1.22	0.90	1.87	1.1		.5	5		FC43
191	6/6	105P / 115P	STUNDEN	2.7	0.54	1.15	1.80	0.62		.5	5		FC36
192	6/13	915A / 920A	TURNER	2.8	0.53	1.45	1.84	0.77		.5	4		FC43
193	7/11	135P / 140P	"	2.5	0.32	0.56	1.74	0.18		.5	4		"
194	7/26	1230P / 1235P	LUCE	2.5	0.25	0.48	1.71	0.12		.5	3		FC39
195	8/8	205P / 210P	TURNER	1.2	0.21	0.62	1.70	0.13		.5	3		FC43
196	8/15	925A / 930A	"	4.0	0.34	0.44	1.70	0.15		.5	4		"
197	8/28	1130A / 1135A	"	1.5	0.15	0.60	1.69	0.09		.5	3		"
198	9/11	1125A / 1130A	LUCE	1.7	0.21	0.43	1.69	0.09		.6	3		FC39
199	9/18	145P / 147P	"	1.7	0.26	0.50	1.68	0.13		.6	3		"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT ~~NEAR~~ above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
200	10-2	230P / 235P	TURNER	2.0	0.71	0.32	1.72	0.23		.5	4		FC43
201	10-16	1055A / 1100A	"	2.1	0.78	0.72	1.76	0.56		.5	4		"
202	10-30	125P / 130P	"	2.2	0.73	0.89	1.76	0.65		.6	4		"
203	11-15	250P / 255P	"	6.0	2.92	0.93	1.93	2.7		.6	6*		"
204	11-21	337P / 345P	BLAKELY	10.0	2.05	1.02	1.95	2.1		.5	9		FC35
205	11-29	240P / 250P	TURNER	7.0	1.92	0.94	1.88	1.8		.5	7		FC43
206	12-4	300P / 306P	"	6.1	1.82	0.99	1.85	1.8		.5	7		"
207	12-19	239P / 245P	"	6.0	1.68	1.07	1.86	1.8		.6	6		"
208	12-27	1210P / 1220P	TURNER - RILEY	13.5	10.5	3.11		32.7		.6	9		"
209	1-2	305P / 315P	TURNER	13.0	5.08	1.24	2.02	6.3		.6	7		"
210	1-10	1202P / 1206P	BLAKELY	11.5	4.06	1.03	1.95	4.2		.6	6		FC35
211	1-16	210P / 216P	TURNER	11.0	3.45	1.10	1.92	3.8		.5	6		FC43
212	1-30	1020A / 1030A	"	11.0	3.43	0.99	1.91	3.4		.5	6		"
213	2-6	230P / 235P	"	9.0	3.03	0.96	1.88	2.9		.5	5		"
214	2-13	210P / 215P	"	10.0	3.09	0.97	1.88	3.0		.6	6		"
215	3-7	214P / 218P	BLAKELY	7.8	1.89	0.95	1.85	1.8		.5	5		FC35
216	3-14	1120A / 1130A	STUNDEN	4.4	1.96	0.97	1.84	1.9		.5 / .6	5		FC36
217	3-19	245P / 255P	TURNER	7.0	2.06	1.02	1.83	2.1		.5	5		FC43
218	3-26	340P / 345P	"	7.0	2.10	1.05	1.82	2.2		.5	5		"
219	4-2	240P / 250P	"	7.2	3.24	0.56	1.84	1.8		.6	8		"
220	4-16	255P / 305P	"	8.0	2.94	0.44	1.80	1.3		.6	8		"
221	4-30	140P / 145P	"	5.0	2.25	0.54	1.80	1.2		.6	5		"
222	5-14	155P / 200P	"	5.0	2.19	0.50	1.80	1.1		.6	5		"
223	5-21	315P / 320P	"	2.6	1.05	0.50		0.53		.6	4		"
224	5-28	305P / 310P	"	3.0	1.31	0.58	1.78	0.76		.6	4		FC43
225	6-4	240P / 245P	"	2.9	1.32	0.58	1.77	0.76		.6	5		"
226	6-11	420P / 430P	STUNDEN	1.8	0.49	0.47	1.71	0.23		.5	4		FC36
227	6-18	840A / 850A	"	2.2	0.91	0.36	1.74	0.33		.5	4		"
228	7-3	1030A / 1035A	TURNER	1.4	0.58	0.36	1.69	0.21		.5	2		FC43
229	7-9	630P / 635P	STUNDEN	2.4	0.66	0.33	1.66	0.22		.5	3		FC36
230	7-16	1025A / 1030A	TURNER	1.5	0.56	0.23	1.66	0.13		.5	2		FC43
231	7-30	955A / 958A	TURNER - STUNDEN	0.7	0.24	0.29	1.60	0.07		.5	1		"
232	8-19	930A / 933A	TURNER	0.7	0.24	0.29	1.62	0.07		SURF FLOAT	1		
233	8-28	335P / 338P	STUNDEN	0.6	0.20	0.35	1.62	0.07		.5	1		FC36
234	9-5	1130A / 1133A	TURNER	0.7	0.21	0.14	1.58	0.03		SURF FLOAT	1		
235	9-10	530P / 535P	STUNDEN	0.7	0.28	0.29	1.62	0.08		SURF FLOAT	1		
236	9-17	200P / 203P	TURNER	0.7	0.24	0.42	1.64	0.10		SURF FLOAT	1		
237	9-24	200P / 203P	"	0.7	0.21	0.14	1.66	0.03		SURF FLOAT	1		

DISCHARGE MEASUREMENTS OF NEWHALL CREEK F136-S

AT ~~NEAR~~ Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	12/22	125P / 135P	TURNER	28.0	9.33	2.84		26.5		.5	7		FC43
2	2/3	240P / 250P	"	36.0	14.8	3.07		45.4		.6	9		"
3	3/30	625A / 640A	TURNER - WRIGHT	58.0	40.7	4.72		192.		.6	9		"

DISCHARGE MEASUREMENTS OF NEWHALL CREEK F136-S

AT ~~NEAR~~ Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
4	11-13	1205P / 1220P	LUCE - WRIGHT	65.0	44.2	4.68		207.		.6	9		FC39

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F198-S

AT ~~NEAR~~ MacLay Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
24	7/31	905A / 911A	TURNER	11.0	6.50	1.43	1.40	9.3		.6	7		FC43
25	8/5	1140A / 1150A	"	6.7	3.29	0.95	1.28	3.1		.6	7		"
26	8/7	915A / 925A	"	6.7	2.69	0.74	1.22	2.0	FLOAT	.5	7		"

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F198-S

AT ~~NEAR~~ MacLay Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
27	10-10	930A / 940A	TURNER	6.0	1.89	0.36	1.12	0.69	FLOAT	.5	.6	0	FC43
28	2-14	1245P / 1250P	"	5.0	1.48	0.65	1.10	0.97		.6	.5	0	"

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F197-S

AT ~~NEAR~~ Arleta Street, above Spreading Grounds DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
47	7/31	955A / 1005A	TURNER	15.0	4.35	1.15		5.0		.6	8		FC43
48	8/5	210P / 215P	"	5.0	1.30	0.54		0.70		.5	5		"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT ~~NEAR~~ Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
90	10/15	245P / 250P	TURNER	3.0	0.48	1.38		0.66		.5	3		FC43
91	11/16	110P / 115P	"	3.0	0.86	1.28		1.1		.6	4		"
92	12/12	350P / 355P	"	3.0	0.59	1.10		0.65		.5	4		"
93	12/24	220P / 225P	"	4.0	0.48	1.29		0.62		.6	5		"
94	1/30	300P / 305P	"	3.5	0.71	1.08		0.77		.5	5		"
95	2/25	200P / 205P	"	5.0	0.88	1.14		1.0		.5	5		"
96	3/20	200P / 205P	"	4.0	0.88	1.82		1.6		.5	4		"
97	4/9	240P / 245P	"	3.5	0.40	1.30		0.52		.5	4		"
98	5/3	1035A / 1040A	"	4.0	0.62	0.97		0.60		.5	4		"
99	6/12	115P / 120P	LUCE	4.5	0.67	0.87		0.57		.6	4		FC39
100	7/10	405P / 409P	"	4.2	1.20	0.92		1.1		.6	5		"
101	8/9	310P / 315P	"	4.5	0.78	0.91		0.71		.6	5		"
102	9/6	650A / 655A	"	3.0	0.86	1.51		1.3		.6	5		"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~ 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
103	10-10	110P / 115P	LUCE	3.5	0.66	1.41		0.93		.5	5		FC39
104	10-31	1245P / 1255P	"	3.5	0.81	1.61		1.3		.6	6		"
105	12-19	230P / 235P	"	4.5	1.20	1.08		1.3		.6	5		"
106	12-28	520P / 525P	LUCE - WRIGHT	8.0	2.40	3.29		7.9		.6	4		"
107	1-3	1000A / 1005A	LUCE	4.7	1.25	2.22		2.8		.6	5		"
108	1-16	130P / 135P	"	4.0	1.32	1.57		2.1		.6	4		"
109	1-31	1210P / 1215P	"	5.5	1.97	1.78		3.5		.6	6		"
110	2-6	1250P / 1255P	"	5.5	1.79	1.45		2.6		.6	5		"
111	2-21	215P / 220P	"	5.2	1.63	1.78		2.9		.6	5		"
112	3-13	1025A / 1030A	"	5.5	1.74	1.49		2.6		.6	5		"
113	3-20	150P / 155P	"	5.0	1.64	1.89		3.1		.6	5		"
114	4-4	350P / 355P	"	4.5	1.48	1.69		2.5		.6	5		"
115	4-16	250P / 255P	"	4.5	1.30	1.46		1.9		.6	5		"
116	5-1	205P / 210P	"	4.5	1.18	1.10		1.3		.6	5		"
117	5-15	1035A / 1040A	"	4.8	1.41	1.28		1.8		.6	5		"
118	6-5	935A / 940A	"	4.5	1.05	1.05		1.1		.6	4		"
119	7-10	225P / 230P	"	4.0	0.74	0.78		0.58		.6	5		"
120	8-14	255P / 300P	"	3.3	0.56	0.84		0.47		.6	3		"
121	9-11	245P / 250P	"	3.5	0.57	0.82		0.47		.6	6		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER F93-S

AT NEAR above Lang R. R. Station DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~ 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
44	10/4	1010A / 1020A	TURNER	9.0	1.98	0.56		1.1		.5	9		FC43
45	11/1	157P / 207P	TURNER PALMER	9.0	2.02	0.64		1.3		.5	9		"
46	11/9	1030A / 1050A	TURNER HUGHES	TWO CHANNELS				5.0		.5	12		"
47	11/15	145P / 155P	TURNER	8.8	2.60	1.54		4.0		.5	9		"
48	11/21	130P / 140P	"	8.8	2.57	1.40		3.6		.5	9		"
49	11/29	900A / 910A	"	9.3	2.68	1.53		4.1		.5	10		"
50	12/6	205P / 215P	"	8.8	2.71	1.55		4.2		.5	9		"
51	12/13	300P / 310P	"	8.8	2.81	1.60		4.5		.5	9		"
52	12/20	300P / 310P	"	9.0	2.93	1.50		4.4		.5	9		"
53	12/22	215P / 225P	"	TWO CHANNELS				35.3		.6	10		"
54	1/3	925A / 935A	"	8.0	3.70	2.03		7.5		.6	8		"
55	1/10	930A / 940A	"	10.5	3.50	2.00		7.0		.6	7		"
56	1/16	1020A / 1030A	"	17.0	4.13	1.67		6.9		.5	10		"
57	1/24	935A / 945A	"	13.0	3.51	2.08		7.3		.6	8		"
58	1/31	925A / 935A	"	10.0	3.81	2.05		7.8		.6	6		"
59	2/6	955A / 1005A	"	10.5	3.51	2.25		7.9		.6	7		"
60	2/14	1000A / 1010A	"	10.5	3.53	2.01		7.1		.6	8		"
61	2/21	255P / 305P	"	10.5	3.67	2.18		8.0		.6	8		"
62	3/1	910A / 920A	"	10.5	3.60	2.03		7.3		.6	8		"
63	3/7	930A / 940A	"	11.0	4.05	2.12		8.6		.6	8		"
64	3/14	1010A / 1020A	TURNER	12.0	4.42	1.76		7.8		.6	9		"
65	3/21	1025A / 1035A	"	14.0	4.81	1.85		8.9		.6	8		"
66	3/28	240P / 250P	"	15.5	5.36	1.44		7.7		.6	10		"
67	4/3	930A / 940A	"	14.0	7.95	3.72		29.6		.6	8		"
68	4/11	230P / 240P	"	15.0	6.81	2.35		16.0		.6	8		"
69	4/19	105P / 115P	"	15.0	4.34	2.44		10.6		.5	8		"
70	4/25	915A / 925A	"	12.5	3.36	2.41		8.1		.5	7		"
71	5/2	915A / 925A	"	12.0	3.46	2.20		7.6		.5	8		"
72	5/9	955A / 1005A	"	12.5	3.68	1.98		7.3		.5	8		"
73	5/16	950A / 1000A	"	12.5	3.66	2.05		7.5		.5	7		"
74	5/29	1150A / 1155A	LUCE	10.5	3.45	2.39		8.3		.6	7		FC39
75	6/13	340P / 345P	"	7.5	2.20	1.96		4.3		.6	6		"
76	6/27	1115A / 1120A	"	3.5	1.00	1.50		1.5		.6	5		"
77	7/11	945A / 950A	"	6.5	1.39	0.72		1.0		.6	6		"
78	7/24	300P / 305P	"	3.0	0.82	1.10		0.90		.5	4		"
79	8/8	1040A / 1045A	"	3.6	0.96	1.15		1.1		.6	4		"
80	9/4	800A / 805A	"	3.4	0.95	1.26		1.2		.6	6		"
81	9/20	1145A / 1150A	"	4.5	0.89	0.84		0.75		.6	5		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER F93-S

AT NEAR above Lang R. R. Station DURING THE YEAR ENDING SEPTEMBER 30, 19~~46~~ 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
82	10-11	310P / 315P	LUCE	4.5	1.11	1.00		1.1		.6	5		FC39
83	10-24	135P / 140P	"	4.5	0.93	0.91		0.78		.6	5		"
84	11-7	925A / 930A	"	5.2	1.50	0.80		1.2		.6	5		"
85	11-14	220P / 230P	LUCE - WRIGHT	16.0	6.50	2.43		15.8		.6	9		"
86	11-20	1220P / 1235P	" "	21.0	9.26	2.63		24.4		.6	11		"
87	11-20	220P / 230P	LUCE	13.0	5.25	2.63		13.8		.6	8		"
88	11-29	1010A / 1015A	LUCE - LUNDWALD	18.0	5.54	1.43		7.9		.6	7		"
89	12-5	830A / 845A	LUCE	10.5	3.30	2.42		8.0		.6	6		"
90	12-13	955A / 1005A	"	13.0	3.73	2.07		7.7		.6	6		"
91	12-18	840A / 850A	"	10.0	3.36	2.17		7.3		.6	5		"
92	12-26	350P / 400P	LUCE - WRIGHT	30.0	17.2	4.27		73.5		.6	8		"
93	12-31	920A / 925A	LUCE	16.5	6.46	2.74		17.7		.6	8		"
94	1-15	905A / 915A	"	15.8	5.65	1.89		10.7		.6	8		"
95	2-7	235P / 245P	"	13.0	4.37	2.38		10.4		.6	8		"
96	2-14	900A / 910A	"	13.5	4.43	2.41		10.7		.6	8		"
97	2-26	940A / 1000A	"	9.0	3.83	2.19		8.4		.6	6		"
98	3-7	115P / 125P	LUCE - LUNDWALD	9.5	4.14	2.12		8.8		.6	6		"
99	3-14	915A / 925A	LUCE	9.8	4.12	1.70		7.0		.6	6		"
100	3-28	905A / 915A	"	9.0	3.87	1.60		6.2		.6	6		"
101	4-3	130P / 140P	"	8.0	3.03	1.75		5.3		.6	6		"
102	4-11	830A / 840A	"	9.6	3.20	1.50		4.8		.6	6		"
103	4-17	845A / 855A	"	8.0	2.59	1.90		4.9		.6	7		"
104	4-24	905A / 910A	"	3.5	2.29	1.31		3.0		.6	4		"
105	5-2	915A / 920A	"	4.6	2.38	1.76		4.2		.6	5		"
106	5-23	200P / 206P	TURNER	7.3	2.13	1.46		3.1		.5	7		FC43
107	5-29	345P / 350P	LUCE	8.0	2.40	1.21		2.9		.6	7		FC39
108	6-19	1220P / 1225P	"	4.5	0.99	0.92		0.91		.6	4		"
109	6-26	320P / 325P	"	4.4	1.06	1.13		1.2		.6	5		"
110	7-9	925A / 930A	"	5.0	1.12	0.98		1.1		.6	5		"
111	7-17	340P / 345P	"	5.0	0.96	1.00		0.96		.6	5		"
112	7-23	100P / 110P	TURNER	TWO CHANNELS				1.2		.5	9		FC43
113	7-31	1225P / 1230P	"	"	"			1.0		.5	7		"
114	8-13	455P / 500P	LUCE	3.8	0.60	1.83		1.1		.6	4		FC39
115	8-21	840A / 845A	"	3.8	0.74	1.62		1.2		.6	6		"
116	9-10	645A / 650A	"	5.0	0.82	0.93		0.76		.6	4		"
117	9-18	355P / 400P	"	4.5	0.85	0.81		0.69		.6	4		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER F137B-S

AT OR NEAR 8 miles west of Castaic Junction DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
46	10/11	1010A / 1020A	TURNER	14.0	9.20	2.11		18.6		.6	7		FC43
47	11/1	918A / 933A	"	14.5	11.0	2.13		23.4		.6	8		"
48	11/9	1240P / 1250P	TURNER HUGHES	16.0	11.2	2.09		23.4		.6	9		"
49	11/15	1105A / 1115A	TURNER	14.5	11.2	2.23		25.0		.6	8		"
50	11/21	1000A / 1012A	"	14.5	11.5	2.17		25.0		.6	8		"
51	11/29	1220P / 1230P	"	19.0	15.6	1.86		29.0		.6	9		"
52	12/6	930A / 945A	"	26.0	17.7	1.65		29.2		.6	10		"
53	12/13	1025A / 1035A	"	28.0	18.5	1.75		32.4		.6	10		"
54	12/20	1015A / 1030A	"	28.0	19.0	1.76		33.5		.6	10		"
55	12/27	1140A / 1155A	"	TWO CHANNELS				47.8		.6	13		"
56	1/3	120P / 135P	"	"				42.7		.6	14		"
57	1/10	1120A / 1130A	"	17.0	11.1	3.55		39.4		.6	9		"
58	1/16	215P / 225P	"	23.0	11.8	3.70		43.7		.6	9		"
59	1/24	140P / 150P	"	18.0	11.6	3.76		43.6		.6	9		"
60	1/31	115P / 125P	"	17.5	10.2	3.69		37.6		.6	9		"
61	2/6	140P / 150P	"	20.0	12.7	3.65		46.3		.6	10		"
62	2/14	125P / 135P	"	20.0	12.1	3.60		43.6		.6	10		"
63	2/21	1055A / 1105A	"	20.0	12.0	3.60		43.2		.6	10		"
64	3/1	120P / 130P	"	20.0	12.0	3.44		41.3		.6	11		"
65	3/7	100P / 110P	TURNER	19.5	10.9	3.31		36.1		.6	10		FC43
66	3/14	140P / 150P	"	19.0	10.9	3.21		35.0		.6	10		"
67	3/21	125P / 135P	"	19.0	10.7	3.33		35.6		.6	10		"
68	3/28	1230P / 1242P	"	20.0	13.6	3.53		48.0		.6	10		"
69	4/3	140P / 155P	"	27.5	23.7	4.26		101.		.6	9		"
70	4/11	915A / 930A	"	24.5	16.1	3.47		55.8		.6	13		"
71	4/19	710A / 725A	"	24.0	13.4	3.28		43.9		.6	13		"
72	4/25	405P / 415P	"	24.0	12.2	2.61		31.9		.6	10		"
73	5/2	115P / 130P	"	23.0	11.2	2.70		30.3		.6	12		"
74	5/9	305P / 320P	"	23.5	10.7	2.66		28.5		.6	12		"
75	5/16	350P / 405P	"	22.5	10.1	2.55		25.8		.6	12		"
76	5/29	740A / 748A	LUCE	24.5	9.52	1.89		18.0		.6	9		FC39
77	6/13	135P / 145P	"	18.5	8.60	1.83		15.7		.6	9		"
78	6/27	130P / 140P	"	17.6	7.61	1.47		11.2		.6	9		"
79	7/11	1135A / 1145A	"	16.0	7.04	1.38		9.7		.6	7		"
80	7/24	800A / 812A	"	13.0	6.68	1.46		9.8		.6	7		"
81	8/22	135P / 145P	"	12.0	5.97	1.06		6.3		.6	7		"
82	9/4	1125A / 1135A	"	14.0	5.58	1.11		6.2		.6	7		"
83	9/20	915A / 925A	"	14.0	6.33	1.21		7.6		.6	8		"
84	10-11	925A / 935A	LUCE	14.0	7.12	1.25		8.9		.6	7		FC39
85	10-24	840A / 850A	"	15.0	9.18	1.44		13.2		.6	9		"
86	11-7	330P / 340P	"	13.0	9.26	1.60		14.8		.6	7		"
87	11-29	150P / 200P	"	24.5	12.0	3.15		37.9		.6	11		"
88	12-5	1240P / 1250P	"	22.0	10.8	3.20		34.6		.6	11		"
89	12-13	225P / 240P	"	21.0	11.7	2.99		35.0		.6	8		"
90	12-18	1030A / 1045A	"	19.5	12.3	3.27		40.1		.6	11		"
91	1-24	1120A / 1140A	"	38.0	23.5	4.08		96.0		.6	11		"
92	1-30	1045A / 1100A	"	23.0	13.9	3.59		49.9		.6	11		"
93	2-14	225P / 235P	"	23.0	15.2	3.50		53.3		.6	7		"
94	2-20	910A / 925A	"	24.0	20.3	4.18		85.0		.6	10		"
95	3-7	1015A / 1025A	"	24.0	20.9	4.07		85.2		.6	8		"
96	3-14	220P / 230P	"	19.0	12.7	2.97		37.7		.6	10		"
97	3-21	305P / 315P	"	22.5	11.9	2.76		32.9		.6	8		"
98	3-28	140P / 150P	"	21.0	13.6	3.34		45.5		.6	11		"
99	4-3	810A / 820A	"	21.5	11.7	2.78		32.5		.6	6		"
100	4-11	225P / 240P	"	13.5	9.81	2.99		29.3		.6	8		"
101	4-16	320P / 335P	"	12.5	8.92	2.88		25.7		.6	7		"
102	4-27	245P / 300P	"	18.5	9.35	2.32		21.7		.6	7		"
103	5-2	230P / 240P	"	14.9	7.20	2.08		15.0		.6	8		"
104	5-8	215P / 225P	"	14.2	7.51	2.33		17.6		.6	8		"
105	5-14	825A / 835A	"	13.0	7.76	2.61		20.3		.6	7		"
106	5-23	1005A / 1020A	TURNER	20.0	7.88	2.12		16.7		.6	10		FC43
107	5-29	845A / 900A	LUCE	11.2	7.27	1.86		13.5		.6	7		FC39
108	6-19	625A / 635A	"	12.8	6.44	1.52		9.8		.6	7		"
109	6-26	835A / 845A	"	13.7	6.55	1.19		7.8		.6	7		"
110	7-9	145P / 155P	"	11.0	6.00	1.23		7.4		.6	7		"
111	7-17	850A / 900A	"	10.5	6.30	1.53		9.6		.6	7		"
112	7-23	945A / 955A	TURNER	11.0	5.63	1.10		6.2		.6	7		FC43
113	7-31	310P / 320P	"	13.0	5.03	0.91		4.6		.6	8		"
114	8-13	1255P / 110P	LUCE	7.0	3.28	1.37		4.5		.6	6		FC39
115	8-21	400P / 410P	"	6.5	4.04	1.91		7.7		.6	7		"
116	9-10	1125A / 1135A	"	6.5	5.48	1.97		10.8		.6	7		"
117	9-18	830A / 840A	"	6.0	4.83	1.64		7.9		.6	6		"
118	9-25	950A / 1005A	"	6.6	5.05	2.00		10.1		.6	7		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER F137B-S

AT OR NEAR 8 miles west of Castaic Junction DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK 12-S

AT OR NEAR above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
214	10/18	1057A / 1103A	BOLLINGER	5.0	0.42	2.22		0.93	FLOATS		5		
215	11/15	233P / 240P	"	4.0	0.31	3.19		0.99	"		3		
216	12/13	320P / 325P	"	3.8	0.54	1.24		0.67		.6	5		FC6
217	1/3	239P / 247P	"	4.0	0.29	3.20		0.93	FLOATS		4		
218	1/31	121P / 128P	"	3.6	0.30	2.83		0.85	"		4		
219	2/21	204P / 213P	"	4.0	0.28	2.93		0.82	"		4		
220	3/7	227P / 235P	"	4.5	0.38	2.13		0.81	"		4		
221	4/25	1128A / 1136A	"	3.5	0.23	3.30		0.76	"		3		
222	5/16	1146A / 1152A	"	3.5	0.26	3.46		0.90	"		4		
223	5/31	1209P / 1217P	"	3.6	0.15	3.00		0.45	"		4		
224	6/13	1130A / 1137A	"	3.6	0.23	3.08		0.71	"		4		
225	7/10	1100A / 1110A	RAIG	3.5	0.77	1.69		1.3		.5	5		FC35
226	7/25	1154A / 1200N	BOLLINGER	2.6	0.25	3.44		0.86	FLOATS		3		
227	8/8	952A / 958A	"	4.0	0.30	2.44		0.73	"		4		
228	9/5	1120A / 1125A	"	3.5	0.23	3.00		0.69	"		4		

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

~~NEAR~~ above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
229	10-10	103P / 108P	BOLLINGER	3.8	0.19	3.21		0.61	FLOATS		3		
230	10-24	135P / 140P	"	3.6	0.21	2.18		0.46	"		3		
231	11-7	1240P / 1245P	"	3.2	0.18	2.34		0.42	"		4		
232	11-27	119P / 124P	"	3.7	0.26	3.46		0.90	"		5		
233	12-12	1154A / 1158A	"	3.8	0.23	2.74		0.63	"		4		
234	1-2	139P / 143P	"	3.5	0.23	3.49		0.80	"		3		
235	1-9	200P / 208P	"	3.4	0.17	2.94		0.50	"		3		
236	1-16	150P / 155P	"	3.6	0.18	2.66		0.48	"		3		
237	1-30	145P / 151P	"	3.5	0.20	3.10		0.62	"		4		
238	2-13	207P / 212P	"	3.5	0.20	3.20		0.64	"		4		
239	2-20	140P / 146P	"	3.6	0.21	2.80		0.59	"		4		
240	3-6	125P / 131P	"	3.2	0.15	3.06		0.46	"		4		
241	3-20	1141A / 1147A	"	3.5	0.18	2.84		0.51	"		4		
242	4-3	1214P / 1220P	"	3.3	0.17	3.35		0.57	"		4		
243	5-1	106P / 112P	"	3.2	0.19	3.20		0.61	"		4		
244	5-29	1127A / 1135A	"	3.6	0.16	3.06		0.49	"		3		
245	6-19	1145A / 1149A	"	3.6	0.21	2.52		0.53	"		3		
246	7-10	1225P / 1232P	"	3.5	0.16	3.00		0.48	"		3		
247	7-30	150P / 152P	MOON	2.0	0.23	2.13		0.49	"		2		
248	8-6	221P / 225P	"	3.0	0.19	1.84		0.35	"		4		
249	9-4	1106A / 1112A	BOLLINGER	3.5	0.23	2.96		0.68	"		3		

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

~~NEAR~~ below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
289	10-10	1250P / 1255P	BOLLINGER	4.0	1.00	0.85		0.85		.5	4		FC6
290	10-24	120P / 127P	"	2.8	0.71	1.18		0.84		.5	4		"
291	11-7	1223P / 1230P	"	2.0	0.62	1.34		0.83		.5	3		"
292	11-27	105P / 111P	"	6.0	0.71	3.66		2.6	FLOATS		5		
293	12-12	1205P / 1210P	"	7.5	0.55	1.76		0.97	"		4		
294	1-2	130P / 135P	"	6.5	0.64	4.84		3.1	"		5		
295	1-9	141P / 150P	"	4.2	0.93	1.51		1.4		.5	6		FC6
296	1-16	130P / 138P	"	5.0	1.31	1.14		1.5		.5	5		"
297	1-30	127P / 135P	"	4.2	1.27	1.26		1.6		.5	5		"
298	2-13	150P / 158P	"	4.2	1.77	1.07		1.9		.6	6		"
299	2-20	120P / 127P	"	4.5	1.66	1.02		1.7		.5	6		"
300	3-6	110P / 117P	"	4.0	1.41	1.06		1.5		.5	5		"
301	3-20	1126A / 1132A	"	6.0	0.44	2.96		1.3	FLOATS		4		
302	4-3	1200N / 1206P	"	3.0	0.67	1.49		1.0		.5	3		FC6
303	5-1	1250P / 1258P	"	3.0	1.54	0.84		1.3		.6	5		"
304	5-29	1114A / 1119A	"	TWO CHANNELS				1.0	FLOATS		3		
305	6-19	1130A / 1137A	"	"	"			1.1	"		3		
306	7-10	1210P / 1216P	"	5.7	1.11	0.78		0.86		.5	5		FC6
307	7-30	150P	MOON	TWO CHANNELS				0.78		.5	5		FC22
308	8-6	210P / 225P	"	"	"			0.70	FLOATS		6		
309	9-4	1050A / 1055A	BOLLINGER	2.3	1.01	0.77		0.78		.5	4		FC6

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

~~NEAR~~ below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
274	10/18	1105A / 1110A	BOLLINGER	TWO CHANNELS				1.2		.6	5		FC6
275	11/15	244P / 249P	"	"				1.4		.6	4		"
276	12/13	308P / 313P	"	4.2	0.35	2.87		0.85	FLOATS		4		
277	1/3	254P / 301P	"	5.6	0.55	3.50		1.9	"		5		
278	1/31	138P / 146P	"	TWO CHANNELS				2.1	"		5		
279	2/21	219P / 227P	"	5.3	0.41	3.66		1.5	"		5		
280	3/7	244P / 251P	"	6.2	0.65	3.08		2.0	"		5		
281	4/25	1112A / 1118A	"	6.0	0.54	3.33		1.8	"		4		
282	5/16	1130A / 1138A	"	6.5	0.90	2.67		2.4	"		5		
283	5/31	1153A / 1202P	"	TWO CHANNELS				1.0	"		5		
284	6/13	1118A / 1123A	"	"				1.3	"		5		
285	7/10	1046A / 1050A	HAIG	TWO CHANNELS				1.5		.5	10		FC35
286	7/25	1140A / 1147A	BOLLINGER	3.0	0.74	1.35		1.0		.5	5		FC6
287	8/8	939A / 945A	"	2.7	0.88	1.37		1.2		.5	5		"
288	9/5	1105A / 1111A	"	2.5	1.08	0.86		0.93		.5	5		"

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK F125-S

~~NEAR~~ above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
51	12/24	1020A / 1025A	TURNER PALMER	6.5	1.45	1.93		2.8		.6	6		FC43
52	1/30	1045A / 1050A	TURNER	2.0	0.32	1.28		0.41		.5	3		"
53	3/30	230P / 245P	TURNER WRIGHT	TWO CHANNELS				73.6		.6	10		"
54	4/9	1000A / 1010A	TURNER	6.0	1.80	1.83		3.3		.5	6		"
55	5/3	300P / 305P	"	2.0	0.22	0.45		0.10		.5	3		"

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK F125-S

~~NEAR~~ above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
56	11-20	500P / 505P	LUCE - WRIGHT	7.0	3.57	2.41		8.6		.6	5		FC39
57	11-22	430P / 434P	LUCE	3.5	0.74	1.35		1.0		.6	5		"
58	12-28	150P / 155P	LUCE - WRIGHT	7.5	3.64	1.62		5.9		.6	6		"
59	1-3	145P / 150P	LUCE	4.0	1.39	1.16		1.6		.6	4		"
60	2-21	1210P / 1215P	"	1.7	0.24	0.71		0.17		.6	2		"
61	3-13	300P / 305P	"	2.0	0.22	0.41		0.09		.6	2		"

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:

$$S = A + B - (D + E + F + X) + I + J + (K - L) + N + O - Q$$ WHICH, IN GENERAL,

S = THE RISING WATER AT WHITTIER NARROWS, IN SECOND-FEET.

A = THE MEASURED DISCHARGE AT STATION F64-R, RIO HONDO 1000 FEET ABOVE MISSION BRIDGE.

B = THE MEASURED DISCHARGE AT STATION F83-R, MISSION CREEK (FORMERLY RIO HONDO SLOUGH) AT SAN GABRIEL BLVD.

D = THE MEASURED DISCHARGE OF THE RIO HONDO ABOVE RISING WATER.

E = THE MEASURED DISCHARGE AT STATION F66B-S, TRI-CITY OUTFALL SEWER ABOVE JUNCTION WITH RIO HONDO.

F = THE MEASURED DISCHARGE OF THE EL MONTE SEWER.

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 F84-S, CATE DITCH BELOW SLUICE GATE.

L = THE MEASURED, OR ESTIMATED, DISCHARGE FROM THE CATE DITCH WELL.

N = THE MEASURED DISCHARGE AT STATION F85-S, STANDEFER DITCH BELOW HEADGATE.

O = THE MEASURED DISCHARGE AT STATION F86-S, SAN GABRIEL RIVER BELOW STANDEFER DITCH.

Q = THE MEASURED DISCHARGE OF SAN GABRIEL RIVER ABOVE RISING WATER.

FOR THE PURPOSE OF DETERMINING THE MONTHLY AND YEARLY RUNOFF, STRAIGHT LINE VARIATION IN FLOW BETWEEN MEASUREMENTS HAS BEEN ASSUMED. INCLUDED HEREWITH IS THE GRAPH SHOWING THE MEAN MONTHLY RISING WATER SINCE JANUARY, 1923. (SEE PAGE 311.)

Factor "D"
DISCHARGE MEASUREMENTS OF RIO HONDO above Rising Water
AT OR NEAR Tyler Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
7	1-3	320P / 330P	BREWSTER	10.0	3.40	1.82		6.2		.6	5		FC12
8	1-9	704A / 713A	"	6.0	1.85	1.24		2.3		.6	4		"
9	1-16	720A / 730A	"	6.0	1.26	1.35		1.7		.6	6		"

FACTOR "E"
DISCHARGE MEASUREMENTS OF TRI-CITY OUTFALL SEWER F66B-S
AT OR NEAR above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 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.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
373	10/4	820A / 829A	BREWSTER	9.0	6.50	1.14		7.4		.6	5		FC12
374	10/11	743A / 755A	"	11.0	10.4	0.74		7.7		.6	6		"
375	10/18	800A / 812A	"	13.0	8.65	1.05		9.1		.6	5		"
376	10/25	758A / 810A	"	14.0	7.20	1.08		7.8		.6	5		"
377	11/1	734A / 748A	"	14.0	5.40	1.17		6.3		.6	7		"
378	11/8	718A / 730A		12.0	5.00	1.40		7.0		.6	6		"
379	11/15	741A / 755A	"	11.0	7.05	1.05		7.4		.6	6		"
380	11/23	726A / 738A	"	10.0	5.40	1.33		7.2		.6	5		"
381	11/29	723A / 735A	"	11.0	4.50	1.49		6.7		.6	6		"
382	12/6	743A / 759A	"	13.0	7.75	1.15		8.9		.6	7		"
383	12/13	750A / 804A	"	13.0	7.45	1.07		8.0		.6	7		"
384	12/20	735A / 745A	"	10.0	6.40	0.92		5.9		.6	5		"
385	12/27	740A / 756A	"	14.0	10.2	0.94		9.6		.6	7		"
386	1/3	720A / 734A	"	13.0	10.8	1.18		12.7		.6	7		"
387	1/24	727A / 742A	"	14.0	6.80	1.12		7.6		.6	7		"
388	1/31	750A / 800A	"	9.0	6.15	1.11		6.8		.6	5		"
389	2/7	746A / 758A	"	11.0	6.00	1.42		8.5		.6	6		"
390	2/14	744A / 756A	"	12.0	10.2	0.75		7.6		.6	6		"
391	2/21	742A / 758A	"	11.0	7.15	1.12		8.0		.6	6		"
392	2/28	752A / 806A	"	11.0	6.75	1.08		7.3		.6	6		"
393	3/7	736A / 750A	"	11.0	5.10	1.39		7.1		.6	6		"
394	3/14	736A / 752A	"	13.0	7.60	0.92		7.0		.6	7		"
395	3/21	801A / 817A	"	16.0	12.6	0.86		10.8		.6	8		"
396	4/4	740A / 756A	"	16.0	9.0	1.00		9.0		.6	8		"
397	4/11	742A / 758A	"	14.0	7.40	1.08		8.0		.6	7		FC12
398	4/18	746A / 800A	"	14.0	9.40	0.77		7.2		.6	7		"
399	4/25	752A / 807A	"	15.0	10.6	0.83		8.8		.6	8		"
400	5/2	742A / 757A	"	12.0	6.10	1.20		7.3		.6	6		"
401	5/9	730A / 742A	"	12.0	5.60	1.20		6.7		.6	6		"
402	5/16	730A / 744A	"	14.0	7.20	0.99		7.1		.6	7		"
403	5/23	730A / 745A	"	14.0	6.60	1.09		7.2		.6	7		"
404	5/31	740A / 751A	"	12.0	4.08	1.35		5.5		.6	5		"
405	6/7	735A / 747A	"	12.0	4.68	1.24		5.8		.6	6		"
406	6/13	728A / 740A	BREWSTER WRIGHT	12.0	5.20	1.06		5.6		.6	6		"
407	6/20	733A / 745A	BREWSTER	12.0	7.40	0.76		5.6		.6	6		"
408	6/27	744A / 758A	"	13.0	9.75	0.77		7.5		.6	7		"
409	7/5	730A / 742A	"	13.0	8.40	0.76		6.4		.6	6		"
410	7/11	733A / 745A	"	14.0	10.9	0.72		7.9		.6	7		"
411	7/18	732A / 746A	"	14.0	9.00	0.83		7.5		.6	7		"
412	7/25	734A / 749A	"	14.0	7.80	0.99		7.7		.6	7		"
413	8/1	718A / 726A	BREWSTER BONADIMAN	13.0	8.00	0.86		6.9		.6	7		"
414	8/8	730A / 738A	BONADIMAN	13.0	8.96	0.80		7.2		.6	7		FC19
415	8/15	710A / 720A	"	14.0	11.0	0.61		6.7		.6	7		"
416	8/22	645A / 655A	"	14.0	10.7	0.64		6.8		.6	7		"
417	8/29	742A / 756A	BREWSTER	11.0	8.40	0.86		7.2		.6	6		FC12
418	9/5	730A / 745A	"	12.0	8.00	0.90		7.2		.6	6		"

Factor "E"

DISCHARGE MEASUREMENTS OF TRI-CITY OUTFALL SEWER F668-S

AT ~~NEAR~~ above Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
419	10-3	733A / 745A	BREWSTER	15.0	10.8	0.93		10.0		.6	8		FC12
420	10-10	742A / 758A	"	12.0	9.80	0.71		7.4		.6	6		"
421	10-17	742A / 756A	"	16.0	10.4	0.89		9.3		.6	8		"
422	10-24	730A / 744A	"	16.0	8.46	0.99		8.3		.6	8		"
423	10-31	734A / 746A	"	11.0	6.30	1.16		7.3		.6	6		"
424	11-7	729A / 741A	"	11.0	7.85	1.01		7.9		.6	6		"
425	11-15	745A / 757A	"	14.0	10.2	1.25		12.8		.6	7		"
426	12-19	749A / 805A	"	14.0	9.00	1.23		11.1		.6	7		"
427	1-3	815A / 830A	"	15.0	7.65	1.31		10.0		.6	8		"
428	1-9	726A / 738A	"	11.0	7.30	1.34		9.8		.6	6		"
429	1-16	736A / 748A	"	11.0	6.85	1.45		9.9		.6	6		"
430	1-23	731A / 745A	"	14.0	7.40	1.29		9.5		.6	7		"
431	1-30	756A / 808A	"	12.0	7.10	1.21		8.6		.6	7		"
432	2-6	734A / 750A	"	14.0	6.15	1.14		7.0		.6	8		"
433	2-13	744A / 758A	"	14.0	7.68	1.03		7.9		.6	7		"
434	2-20	750A / 758A	BREWSTER-WADDICOR	14.0	8.80	0.99		8.7		.6	7		"
435	2-27	730A / 740A	WADDICOR	13.8	5.89	0.99		5.8		.6	8		FC37
436	3-6	800A / 810A	"	14.0	9.40	0.96		9.0		.6	7		"
437	3-13	745A / 755A	"	12.6	4.79	1.48		7.1		.6	7		"
438	3-20	740A / 750A	"	12.4	4.28	1.63		7.0		.6	8		"
439	3-27	750A / 800A	WADDICOR VAN DER GOOT	10.7	4.19	1.86		7.8		.6	7		"
440	4-2	755A / 805A	WADDICOR	10.5	4.00	1.85		7.4		.6	7		"
441	4-10	750A / 800A	"	11.0	5.61	1.31		7.3		.6	6		"
442	4-17	755A / 805A	"	11.5	6.47	1.19		7.7		.6	7		"
443	4-24	750A / 800A	"	12.0	5.67	1.18		6.7		.6	7		"
444	5-1	805A / 810A	WADDICOR-MELLEN	13.3	7.66	1.33		10.2		.6	8		"
445	5-8	750A / 800A	WADDICOR	12.0	6.08	1.40		8.5		.6	7		"
446	5-15	750A / 800A	"	12.5	6.56	1.23		8.1		.6	7		"
447	5-22	755A / 805A	"	12.3	5.76	1.34		7.7		.6	7		"
448	5-29	750A / 800A	"	12.2	6.40	1.47		9.4		.6	7		"
449	6-5	755A / 805A	"	12.7	5.90	1.54		9.1		.6	8		"
450	6-12	752A / 802A	"	12.5	5.57	1.56		8.7		.6	8		"
451	6-19	750A / 800A	"	12.7	5.57	1.44		8.0		.6	8		"
452	6-26	755A / 805A	"	12.0	3.86	1.32		5.1		.6	7		"
453	7-3	750A / 800A	"	12.5	5.83	1.34		7.8		.6	7		"
454	7-10	750A / 800A	"	12.0	3.09	1.03		3.2		.6	9		"
455	7-17	735A / 745A	"	11.8	5.31	1.41		7.5		.6	8		"
456	7-24	750A / 800A	"	12.0	6.84	1.24		8.5		.6	7		"
457	7-31	745A / 755A	"	12.2	7.71	1.21		9.3		.6	7		"
458	8-7	730A / 745A	BREWSTER	13.0	6.05	1.42		8.6		.6	7		FC12
459	8-14	740A / 752A	"	13.0	5.27	1.37		7.2		.6	6		"
460	8-21	742A / 754A	"	11.0	6.90	1.25		8.6		.6	6		"
461	8-28	800A / 810A	WADDICOR	11.5	8.12	1.19		9.7		.6	7		FC37
462	9-4	720A / 730A	"	11.0	3.29	1.37		4.5		.6	7		"
463	9-11	740A / 750A	"	12.0	5.57	1.45		8.1		.6	7		"
464	9-18	740A / 750A	"	12.0	6.17	1.36		8.4		.6	9		"
465	9-25	750A / 800A	"	11.0	8.24	1.32		10.9		.6	8		"

FACTOR "F"

DISCHARGE MEASUREMENTS OF EL MONTE SEWER

AT ~~NEAR~~ Junction with Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
326	10/4	742A / 750A	BREWSTER	4.0	0.94	0.95		0.89		.6	4		FC12
327	10/11	809A / 815A	"	3.0	1.20	0.92		1.1		.6	3		"
328	10/18	744A / 750A	"	3.0	0.60	1.07		0.64		.6	3		"
329	10/25	737A / 745A	"	4.0	0.88	0.92		0.81		.6	4		"
330	11/1	801A / 809A	"	3.0	1.35	0.81		1.1		.6	3		"
331	11/8	744A / 752A	"	4.0	1.08	0.91		0.98		.6	4		"
332	11/15	728A / 734A	"	3.0	0.84	1.19		1.0		.6	3		"
333	11/23	750A / 758A	"	3.0	0.62	1.21		0.75		.6	3		"
334	11/29	750A / 759A	"	4.0	1.04	0.90		0.94		.6	4		"
335	12/6	728A / 736A	"	4.0	1.06	0.91		0.96		.6	4		"
336	12/13	731A / 740A	"	4.0	1.12	1.04		1.16		.6	4		"
337	12/20	759A / 805A	"	4.0	1.00	0.92		0.92		.6	4		"
338	12/27	812A / 820A	"	4.0	0.96	1.25		1.2		.6	4		"
339	1/3	739A / 745A	"	3.0	0.98	1.22		1.2		.6	3		"
340	1/24	752A / 758A	"	3.0	0.72	1.15		0.83		.6	3		"
341	1/31	812A / 820A	"	4.0	0.98	0.83		0.81		.6	4		"
342	2/7	815A / 825A	"	4.0	1.70	0.76		1.3		.6	4		"
343	2/14	812A / 821A	"	4.0	1.52	1.14		1.7		.6	4		"
344	2/21	724A / 731A	"	3.0	1.10	1.00		1.1		.6	3		"
345	2/28	739A / 741A	"	4.0	1.08	1.11		1.2		.6	4		"
346	3/7	807A / 815A	"	3.0	0.90	0.82		0.74		.6	3		"
347	3/14	720A / 727A	"	3.0	0.96	0.89		0.85		.6	3		"
348	3/21	740A / 749A	"	4.0	0.92	1.09		1.0		.6	4		"
349	4/4	804A / 812A	"	3.0	0.71	1.18		0.84		.6	3		"
350	4/11	725A / 731A	"	4.0	0.92	1.09		1.0		.6	4		"
351	4/18	729A / 739A	"	3.0	0.90	1.02		0.92		.6	3		"
352	4/25	740A / 746A	"	3.0	0.92	1.02		0.94		.6	3		"
353	5/2	727A / 734A	"	4.0	1.24	0.89		1.1		.6	4		"
354	5/9	754A / 802A	"	4.0	0.82	1.13		0.93		.6	4		"
355	5/16	754A / 803A	"	4.0	0.81	1.23		1.0		.6	4		"
356	5/23	755A / 803A	"	3.0	0.66	1.17		0.77		.6	3		"
357	5/31	802A / 810A	"	4.0	0.70	1.07		0.75		.6	4		"
358	6/7	720A / 728A	"	4.0	0.78	1.09		0.85		.6	4		"
359	6/13	750A / 756A	BREWSTER WRIGHT	3.0	0.60	1.00		0.60		.6	3		"
360	6/20	755A / 801A	BREWSTER	3.0	0.62	1.10		0.68		.6	3		"
361	6/27	726A / 734A	"	4.0	0.78	1.00		0.78		.6	4		"
362	7/5	752A / 800A	"	4.0	0.98	0.87		0.85		.6	4		"
363	7/11	755A / 803A	"	4.0	0.84	0.95		0.80		.6	4		"
364	7/18	752A / 758A	"	3.0	0.84	1.17		0.98		.6	3		"
365	7/25	800A / 806A	"	3.0	0.56	1.41		0.79		.6	3		"
366	8/1	740A / 745A	BREWSTER BONADIMAN	3.0	0.60	1.57		0.94		.6	3		"
367	8/8	750A / 756A	BONADIMAN	3.0	0.94	1.00		0.93		.6	3		FC19
368	8/15	730A / 734A	"	3.0	0.80	0.85		0.68		.6	3		"
369	8/22	710A / 714A	"	2.0	0.40	0.80		0.32		.6	2		"
370	8/29	805A / 811A	BREWSTER	3.0	0.54	0.93		0.50		.6	3		FC12
371	9/5	755A / 801A	"	3.0	0.62	0.89		0.55		.6	3		"

Factor "F"
DISCHARGE MEASUREMENTS OF EL MONTE SEWER

AT OR NEAR Junction with Rio Hondo DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
372	10-3	755A / 803A	BREWSTER	4.0	0.74	0.85		0.63		.6	4		FC12
373	10-10	1010A / 1016A	"	3.0	0.90	0.98		0.88		.6	3		"
374	10-17	827A / 833A	"	3.0	0.58	1.09		0.63		.6	3		"
375	10-24	755A / 801A	"	3.0	0.60	1.15		0.69		.6	3		"
376	10-31	757A / 805A	"	4.0	0.88	0.90		0.79		.6	4		"
377	11-7	714A / 720A	"	3.0	0.86	1.05		0.90		.6	3		"
378	11-15	720A / 726A	"	3.0	0.84	1.10		0.92		.6	3		"
379	12-19	730A / 736A	"	3.0	0.78	1.12		0.87		.6	3		"
380	1-3	830A / 838A	"	4.0	0.98	1.01		0.99		.6	4		"
381	1-9	802A / 810A	"	3.0	0.76	1.14		0.87		.6	3		"
382	1-16	810A / 818A	"	4.0	0.88	1.25		1.1		.6	4		"
383	1-23	755A / 803A	"	4.0	1.04	1.15		1.2		.6	4		"
384	1-30	737A / 745A	"	4.0	0.84	1.04		0.87		.6	4		"
385	2-6	800A / 808A	"	4.0	1.00	0.85		0.85		.6	4		"
386	2-13	804A / 813A	"	4.0	0.84	0.93		0.78		.6	4		"
387	2-20	805A / 810A	BREWSTER-WADDICOR	4.0	0.96	1.25		1.2		.6	4		"
388	2-27	750A / 755A	WADDICOR	2.8	0.58	1.03		0.60		.6	3		FC37
389	3-6	816A / 822A	"	4.0	1.02	1.47		1.5		.6	4		"
390	3-13	802A / 807A	"	3.0	0.67	1.27		0.85		.6	4		"
391	3-20	800A / 807A	"	3.0	0.64	1.28		0.82		.6	4		"
392	3-27	805A / 810A	"	3.0	0.65	1.43		0.93		.6	4		"
393	4-2	815A / 820A	"	3.0	0.64	1.56		1.0		.6	4		"
394	4-10	810A / 818A	"	3.0	0.62	1.39		0.86		.6	4		"
395	4-17	812A / 817A	"	3.0	0.57	0.98		0.56		.6	4		"
396	4-24	805A / 810A	"	3.0	0.58	1.24		0.72		.6	4		"
397	5-1	826A / 828A	WADDICOR - MELLEN	3.0	0.56	1.23		0.69		.6	4		"
398	5-8	810A / 815A	WADDICOR	3.0	0.54	1.15		0.62		.6	4		"
399	5-15	810A / 815A	"	3.0	0.88	0.70		0.62		.6	4		"
400	5-22	812A / 817A	"	3.0	0.53	1.15		0.61		.6	4		"
401	5-29	810A / 815A	"	3.0	0.74	1.49		1.1		.6	4		"
402	6-5	815A / 820A	"	3.0	0.57	1.26		0.72		.6	4		"
403	6-12	810A / 815A	"	3.0	0.57	0.97		0.55		.6	4		"
404	6-19	810A / 815A	"	3.0	0.58	0.98		0.57		.6	4		"
405	6-26	815A / 822A	"	3.0	0.81	1.10		0.89		.6	4		"
406	7-3	810A / 815A	"	3.0	0.65	1.09		0.71		.6	4		"
407	7-10	808A / 813A	"	3.0	0.59	0.93		0.55		.6	4		"
408	7-17	800A / 805A	"	3.0	0.54	0.94		0.51		.6	4		"
409	7-24	808A / 813A	"	3.0	0.60	0.97		0.58		.6	4		"
410	7-31	802A / 807A	"	3.0	0.58	0.90		0.52		.6	4		"
411	8-7	755A / 801A	BREWSTER	3.0	0.60	0.80		0.48		.6	3		FC12
412	8-14	726A / 732A	"	3.0	0.56	1.00		0.56		.6	3		"
413	8-21	724A / 732A	"	4.0	0.74	0.81		0.60		.6	4		"
414	8-28	815A / 820A	WADDICOR	4.0	0.80	1.00		0.80		.6	4		FC37
415	9-4	740A / 745A	"	3.6	0.70	0.70		0.49		.6	4		"
416	9-11	800A / 805A	"	4.0	0.96	0.72		0.69		.6	4		"
417	9-18	800A / 805A	"	4.0	1.28	0.52		0.66		.6	4		"
418	9-25	810A / 820A	"	4.0	0.86	0.79		0.68		.6	4		"

FACTOR "I"
DISCHARGE MEASUREMENTS OF TEMPLE DITCH

AT OR NEAR above Head of Pipe Line DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
320	10/4	235P / 245P	BREWSTER	8.0	4.40	1.32		5.8		.6	4		FC12
321	10/11	205P / 217P	"	6.0	5.10	0.96		4.9		.6	6		"
322	10/18	215P / 227P	"	6.0	4.10	1.32		5.4		.6	6		"
323	10/25	200P	"				EST.	1.5					
324	11/8	155P / 205P	"	5.0	3.90	1.31		5.1		.6	5		FC12
325	11/15	205P / 215P	"	6.0	3.65	1.37		5.0		.6	5		"
326	11/23	105P	"					0					
327	11/29	120P	"					0					
328	12/6	127P / 136P	"	5.0	1.70	1.24		2.1		.6	5		FC12
329	12/13	135P	"					0					
330	12/20	155P	"					0					
331	12/27	325P	"					0					
332	1/3	150P	"					0					
333	1/10	100P	"					0					
334	1/17	115P	"					0					
335	1/24	105P	"					0					
336	1/31	120P	"					0					
337	2/7	115P	"					0					
338	2/14	210P	"					0					
339	2/21	1255P	"					0					
340	2/28	1250P	"					0					
341	3/7	118P / 127P	"	5.0	4.40	0.73		3.2		.6	5		FC12
342	3/14	108P / 116P	"	4.0	3.20	1.59		5.1		.6	4		"
343	3/21	100P	"					0					
344	3/28	1245P	"					0					
345	4/4	1215P	"					0					
346	4/11	1256P / 104P	"	4.0	3.80	1.55		5.9		.6	4		FC12
347	4/18	105P / 113P	"	4.0	3.20	1.41		4.5		.6	4		"
348	4/25	120P / 130P	"	6.0	4.15	1.25		5.2		.6	5		"
349	5/2	127P / 135P	"	5.0	3.75	1.33		5.0		.6	4		"
350	5/9	115P / 125P	"	4.0	3.35	1.49		5.0		.6	4		"
351	5/16	146P / 155P	"	4.0	3.15	1.59		5.0		.6	4		"
352	5/23	143P / 152P	"	5.0	3.45	1.51		5.2		.6	5		"
353	5/31	200P / 210P	"	4.0	2.95	1.69		5.0		.6	4		"
354	6/7	125P / 135P	"	4.0	3.65	1.45		5.3		.6	4		"
355	6/13	145P / 155P	"	10.0	6.60	0.79		5.2		.6	5		"
356	6/20	1258P / 106P	"	6.0	3.95	1.37		5.4		.6	4		"
357	6/27	110P / 120P	"	8.0	6.00	0.93		5.6		.6	5		"
358	7/5	102P / 104P	"	9.0	3.68	0.98		3.6		.6	5		"
359	7/11	1250P / 102P	"	7.0	3.65	1.32		4.8		.6	6		"
360	7/18	1240P / 1252P	"	6.0	2.26	1.50		3.4		.6	6		"
361	7/25	105P / 117P	"	6.0	2.24	1.56		3.5		.6	6		"
362	8/1	140P / 150P	BREWSTER BONADIMAN	10.0	2.96	1.01		3.0		.6	6		FC12
363	8/8	150P / 159P	BONADIMAN	9.5	4.00	0.82		3.3		.6	6		FC19
364	8/15	150P / 200P	"	9.0	3.11	0.86		3.0		.6	6		"
365	8/22	130P / 140P	"	9.0	3.17	0.86		2.7		.6	6		"
366	8/29	1240P / 1252P	BREWSTER	6.0	1.68	1.25		2.1		.6	6		FC12
367	9/5	1237P / 1249P	"	6.0	1.69	1.30		2.2		.6	5		"
368	9/12	1235P / 1247P	"	7.0	2.65	1.96		5.2		.6	5		"
369	9/19	1250P / 102P	"	10.0	3.47	1.35		4.7		.6	6		"
370	9/26	1248P / 1257P	"	6.0	2.94	1.36		4.0		.6	4		"

Factor "I"
DISCHARGE MEASUREMENTS OF TEMPLE DITCH

~~NEAR~~ above Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	BAUBE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
371	10-3	110P / 122P	BREWSTER	6.0	4.20	0.90		3.8		.6	6		FC12
372	10-10	125P / 135P	"	5.0	3.10	1.26		3.9		.6	5		"
373	10-17	1245P / 1257P	"	8.0	2.82	1.45		4.1		.6	5		"
374	10-24	102P / 111P	"	9.0	2.87	1.40		4.0		.6	5		"
375	10-31	135P	"					0					
376	11-7	155P	"					0					
377	11-15	100P	"					0					
378	11-22	1115A	"					0					
379	11-29	1152A	"					0					
380	12-5	1250P	"					0					
381	12-12	1220P	"					0					
382	12-19	1240P	"					0					
383	12-27	1155A	"					0					
384	1-3	1250P	"					0					
385	1-9	1247P	"					0					
386	1-16	120P	"					0					
387	1-23	1240P	"					0					
388	1-30	1237P	"					0					
389	2-6	1231P	"					0					
390	2-13	1254P	"					0					
391	2-20	210P	"					0					
392	2-27	200P	WADDICOR					0					
393	3-6	210P / 220P	"	5.7	2.53	1.26		3.2		.6	6		FC37
394	3-13	210P / 220P	"	6.0	3.80	1.29		4.9		.6	6		"
395	3-20	200P / 210P	"	6.0	3.46	1.27		4.4		.6	6		"
396	3-27	245P	"					0					
397	4-2	135P / 145P	"	9.0	4.26	0.99		4.2		.6	5		FC37
398	4-10	240P / 250P	"	7.5	3.61	0.97		3.5		.6	7		"
399	4-17	330P / 340P	"	9.3	7.43	0.83		6.2		.6	7		"
400	4-27	305P / 315P	"	8.5	7.22	0.76		5.5		.6	6		"
401	5-1	217P / 223P	"	8.7	6.47	0.85		5.5		.6	7		"
402	5-8	240P	"					0					
403	5-15	320P / 330P	"	9.0	6.78	0.74		5.0		.6	6		FC37
404	5-22	220P / 230P	"	9.0	5.20	0.98		5.1		.6	5		"
405	5-29	235P / 245P	"	8.0	4.90	0.92		4.5		.6	5		"
406	6-5	300P / 310P	"	8.0	4.51	1.00		4.5		.6	6		"
407	6-12	310P / 320P	"	7.5	3.73	0.94		3.5		.6	6		"
408	6-19	310P / 320P	"	7.5	4.38	0.69		3.0		.6	5		"
409	6-26	300P / 310P	"	8.0	3.74	0.70		2.6		.6	6		"
410	7-3	310P / 320P	"	8.2	5.68	0.51		2.9		.6	5		"
411	7-10	305P / 315P	"	6.7	3.91	0.77		3.0		.6	5		"
412	7-17	315P / 325P	"	9.0	4.00	0.65		2.6		.6	5		"
413	7-24	300P / 310P	"	8.0	4.42	0.61		2.7		.6	6		"
414	7-31	305P / 315P	"	7.8	4.61	0.54		2.5		.6	5		"
415	8-7	100P / 108P	BREWSTER	4.0	2.50	1.08		2.7		.6	4		FC12
416	8-14	154P / 206P	"	5.0	2.24	1.12		2.5		.6	5		"
417	8-21	100P / 110P	"	4.0	1.88	1.06		2.0		.6	4		"
418	8-28	250P / 300P	WADDICOR	7.2	2.01	0.90		1.8		.6	5		"
419	9-4	240P / 250P	"	8.5	2.93	0.51		1.5		.6	6		"
420	9-11	235P / 245P	"	7.2	2.24	0.58		1.3		.6	5		"
421	9-18	300P / 310P	"	7.0	2.19	0.64		1.4		.6	6		"
422	9-25	320P / 330P	"	6.8	1.79	0.78		1.4		.6	7		"

FACTOR "J"
DISCHARGE MEASUREMENTS OF RINCON DITCH

~~NEAR~~ above Head of Pipe Line DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	BAUBE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
329	10/4	205P / 215P	BREWSTER	8.0	12.8	0.41		5.3		.6	4		FC12
330	10/11	130P / 142P	"	8.0	13.2	0.42		5.5		.6	4		"
331	10/18	145P / 155P	"	8.0	12.4	0.40		4.9		.6	4		"
332	10/25	130P / 140P	"	8.0	11.6	0.43		5.0		.6	4		"
333	11/1	1245P / 1255P	"	8.0	11.8	0.46		5.4		.6	4		"
334	11/8	130P	"					0					
335	11/15	131P / 140P	"	8.0	11.8	0.47		5.6		.6	4		FC12
336	11/23	1235P	"					0					
337	11/29	100P	"					0					
338	12/6	1244P	"					0					
339	12/13	110P	"					0					
340	12/20	130P	"					0					
341	12/27	315P	"					0					
342	1/3	130P	"					0					
343	1/10	1230P	"					0					
344	1/17	100P	"					0					
345	1/24	1245P	"					0					
346	1/31	1250P	"					0					
347	2/7	1250P	"					0					
348	2/14	130P	"					0					
349	2/21	1240P	"					0					
350	2/28	1233P	"					0					
351	3/7	1253P	"					0					
352	3/14	1237P	"					0					
353	3/21	118P	"					0					
354	3/28	1215P	"					0					
355	4/4	1230P	"					0					
356	4/11	1242P	"					0					
357	4/18	1245P	"					0					
358	4/25	1250P / 100P	"	8.0	11.6	0.49		5.7		.6	4		FC12
359	5/2	103P / 115P	"	9.0	9.40	0.59		5.5		.6	5		"
360	5/9	1252P / 101P	"	8.0	7.20	0.76		5.5		.6	4		"
361	5/16	120P / 130P	"	8.0	7.60	0.75		5.7		.6	4		"
362	5/23	117P / 126P	"	8.0	7.60	0.63		4.8		.6	4		"
363	5/31	142P / 150P	"	8.0	10.4	0.52		5.4		.6	4		"
364	6/7	1254P / 103P	"	8.0	9.20	0.54		5.0		.6	4		"
365	6/13	125P / 135P	"	8.0	6.20	0.92		5.7		.6	4		"
366	6/20	1236P / 1245P	"	8.0	6.20	1.00		6.2		.6	4		"
367	6/27	1250P / 100P	"	8.0	10.4	0.54		5.6		.6	4		"
368	7/5	1236P / 1248P	"	6.0	7.55	0.82		6.2		.6	4		"
369	7/11	1215P / 1225P	"	8.0	10.4	0.61		6.3		.6	4		"
370	7/18	1218P / 1230P	"	8.0	10.6	0.54		5.7		.6	4		"
371	7/25	1236P / 1245P	"	8.0	7.60	0.83		6.3		.6	4		"
372	8/1	120P / 126P	BREWSTER BONADIMAN	8.00	7.40	0.86		6.4		.6	4		FC12
373	8/8	130P / 138P	BONADIMAN	6.5	5.59	0.85		4.8		.6	6		FC19
374	8/15	115P / 122P	"	7.0	5.72	0.66		3.8		.6	5		"
375	8/22	100P / 110P	"	6.0	5.33	0.92		4.9		.6	5		"
376	8/29	1212P / 1221P	BREWSTER	8.0	7.40	0.85		6.3		.6	4		FC12
377	9/5	1215P / 1225P	"	6.0	6.25	0.99		6.2		.6	4		"
378	9/12	1211P / 1220P	"	6.0	6.10	0.98		6.0		.6	4		"
379	9/19	1210P / 1220P	"	8.0	8.60	0.58		5.0		.6	4		"
380	9/26	1218P / 1227P	"	6.0	6.55	1.05		6.9		.6	4		"

Factor "J"
DISCHARGE MEASUREMENTS OF RINCON DITCH

AT above Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
381	10-3	1242P / 1254P	BREWSTER	6.0	6.40	0.88		5.6		.6	4		FC12
382	10-10	1240P / 1250P	"	6.0	6.20	0.92		5.7		.6	4		"
383	10-17	1210P / 1220P	"	6.0	6.40	0.69		4.4		.6	4		"
384	10-24	1232P / 1241P	"	6.0	6.85	0.93		6.4		.6	4		"
385	10-31	110P / 120P	"	6.0	7.70	0.75		5.8		.6	4		"
386	11-7	120P / 130P	"	4.0	6.50	0.91		5.9		.6	4		"
387	11-15	1240P	"					0					
388	11-22	1100A	"					0					
389	11-29	1123A	"					0					
390	12-5	1220P	"					0					
391	12-12	1250P	"					0					
392	12-19	105P	"					0					
393	12-27	1145A	"					0					
394	1-3	105P	"					0					
395	1-9	1230P	"					0					
396	1-16	210P	"					0					
397	1-23	105P	"					0					
398	1-30	107P	"					0					
399	2-6	1252P	"					0					
400	2-13	114P	"					0					
401	2-20	140P	"					0					
402	2-27	130P	WADDICOR					0					
403	3-6	145P	"					0					
404	3-13	145P	"					0					
405	3-20	140P	"					0					
406	3-27	235P	"					0					
407	4-2	125P	"					0					
408	4-10	225P	"					0					
409	4-17	310P	"					0					
410	4-24	230P / 240P	"	7.0	8.38	0.70		5.9		.6	4		FC37
411	5-1	152P / 200P	WADDICOR-MELLEN	6.5	6.79	0.68		4.6		.6	5		"
412	5-8	202P / 212P	WADDICOR	8.0	12.1	0.57		6.9		.6	5		"
413	5-15	240P / 255P	"	COMPOSITE				9.4		.6	12		"
414	5-22	152P / 200P	"	8.3	10.6	0.67		7.1		.6	5		"
415	5-29	209P / 219P	"	8.3	12.3	0.78		9.6		.6	5		"
416	6-5	220P / 230P	"	8.3	10.1	0.68		6.9		.6	5		"
417	6-12	245P / 255P	"	8.4	10.7	0.62		6.6		.6	6		"
418	6-19	240P / 250P	"	8.0	10.3	0.52		5.4		.6	5		"
419	6-26	200P / 210P	"	10.6	15.5	0.40		6.2		.6	6		"
420	7-3	225P / 235P	"	7.4	7.16	0.66		4.7		.6	5		"
421	7-10	225P / 235P	"	7.5	7.02	0.58		4.1		.6	4		"
422	7-17	220P / 230P	"	9.8	11.1	0.46		5.1		.6	5		"
423	7-24	210P / 220P	"	9.5	11.9	0.50		6.0		.6	5		"
424	7-31	220P / 230P	"	7.2	7.79	0.72		5.6		.6	5		"
425	8-7	1205P / 1215P	BREWSTER	8.0	10.6	0.61		6.5		.6	4		FC12
426	8-14	1210P / 1220P	"	8.0	10.4	0.52		5.4		.6	4		"
427	8-21	1217P / 1228P	"	8.0	8.80	0.66		5.8		.6	4		"
428	8-28	210P / 220P	WADDICOR	6.2	4.84	1.16		5.6		.6	5		FC37
429	9-4	150P / 200P	"	6.1	4.77	1.01		4.8		.6	6		"
430	9-11	150P / 200P	"	7.2	6.66	0.81		5.4		.6	5		"
431	9-18	210P / 220P	"	7.0	7.40	0.68		5.0		.6	5		"
432	9-25	230P / 240P	"	8.0	7.13	0.97		6.9		.6	6		"

FACTOR "K"
DISCHARGE MEASUREMENTS OF CATE DITCH FB4-S

AT below Sluice Gate DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
446	10/4	905A / 917A	BREWSTER	12.0	7.00	1.27		8.9		.6	6		FC12
447	10/11	930A / 945A	"	12.0	7.80	1.21		9.4		.6	6		"
448	10/18	925A / 939A	"	11.0	14.8	0.59		8.8		.6	6		"
449	10/25	915A / 929A	"	12.0	11.4	0.82		9.3		.6	6		"
450	11/1	910A / 922A	"	12.0	8.60	1.17		10.1		.6	6		"
451	11/8	906A / 920A	"	11.0	8.30	1.31		10.9		.6	6		"
452	11/15	912A / 926A	"	11.0	8.15	1.23		10.0		.6	6		"
453	11/23	910A / 924A	"	12.0	8.40	1.25		10.5		.6	6		"
454	11/29	906A / 918A	"	10.0	7.00	1.17		8.2		.6	5		"
455	12/6	915A / 927A	"	10.0	6.60	1.19		8.1		.6	5		"
456	12/13	912A / 924A	"	10.0	7.80	1.21		9.4		.6	5		"
457	12/20	912A / 926A	"	11.0	9.65	1.15		11.1		.6	6		"
458	12/20	1020A / 1032A	"	4.7	6.54	2.65		17.3		.6	5		"
459	12/27	935A	"					0					
460	1/3	905A	"					0					
461	1/10	900A	"					0					
462	1/17	920A / 932A	"	10.0	5.00	0.84		4.2		.6	5		FC12
463	1/24	920A / 932A	"	10.0	2.40	0.83		2.0		.6	5		"
464	1/31	930A / 942A	"	10.0	4.20	0.79		3.8		.6	5		"
465	2/7	938A	"					0					
466	2/14	945A	"					0					
467	2/21	910A / 920A	"	9.0	2.45	0.82		2.0		.6	5		FC12
468	2/28	912A / 924A	"	9.0	3.15	1.08		3.4		.6	5		"
469	3/7	926A / 938A	"	10.0	4.20	1.12		4.7		.6	5		"
470	3/14	857A / 909A	"	10.0	2.48	0.85		2.1		.6	5		"
471	3/21	929A / 933A	"	2.0	0.32	0.25		0.08		.6	2		"
472	3/28	805A	"					0					
473	4/4	915A	"					0					
474	4/11	915A / 927A	"	10.0	3.04	1.03		3.1		.6	5		FC12
475	4/18	915A / 927A	"	11.0	4.25	1.22		5.2		.6	6		"
476	4/25	918A / 930A	"	11.0	3.34	0.99		3.3		.6	6		"
477	5/2	911A / 922A	"	5.0	4.40	0.93		4.1		.6	5		"
478	5/9	900A / 912A	"	12.0	18.6	0.88		15.8		.6	6		"
479	5/16	905A / 917A	"	10.0	6.00	1.48		8.9		.6	5		"
480	5/23	914A / 926A	"	10.0	6.80	1.38		9.4		.6	5		"
481	5/31	910A / 921A	"	10.0	10.6	1.08		11.5		.6	5		"
482	6/7	858A / 910A	"	10.0	8.00	1.48		11.8		.6	5		"
483	6/13	905A / 915A	"	10.0	11.0	1.55		17.1		.6	5		"
484	6/20	910A / 922A	"	10.0	8.20	1.49		12.2		.6	5		"
485	6/27	916A / 928A	"	10.0	12.6	1.25		15.8		.6	5		"
486	7/5	900A / 912A	"	10.0	8.20	1.29		10.6		.6	5		"
487	7/11	920A / 931A	"	10.0	11.6	1.22		14.1		.6	5		"
488	7/18	918A / 930A	"	10.0	7.80	1.31		10.2		.6	5		"
489	7/25	923A / 935A	"	10.0	11.4	1.25		14.2		.6	5		"
490	8/1	845A / 852A	BREWSTER BONADIMAN	10.0	15.4	0.86		13.2		.6	5		"
491	8/8	940A / 950A	BONADIMAN	12.0	14.1	1.02		14.4		.6	8		FC19
492	8/15	920A / 930A	"	11.0	10.6	1.42		15.1		.6	7		"
493	8/22	910A / 920A	"	11.0	10.6	1.27		13.5		.6	7		"
494	8/29	930A / 942A	BREWSTER	10.0	8.00	1.15		9.2		.6	5		FC12
495	9/5	905A / 917A	"	10.0	13.8	0.93		12.8		.6	5		"
496	9/12	910A / 922A	"	10.0	12.2	1.20		14.7		.6	5		"
497	9/19	857A / 909A	"	10.0	14.0	0.79		11.0		.6	5		"
498	9/26	905A / 915A	"	10.0	12.8	1.13		14.5		.6	5		"

Factor "K"
DISCHARGE MEASUREMENTS OF CATE DITCH Fau-S

~~AT~~ NEAR below Sluice Gate DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
499	10-3	924A / 936A	BREWSTER	10.0	9.00	1.32		11.9		.6	5		FC12
500	10-10	942A / 954A	"	10.0	8.60	1.21		10.4		.6	5		"
501	10-17	917A / 929A	"	10.0	11.8	1.29		15.2		.6	5		"
502	10-24	910A / 920A	"	10.0	11.8	1.36		16.0		.6	5		"
503	10-31	935A / 947A	"	5.0	10.0	1.33		13.3		.6	5		"
504	11-7	923A / 935A	"	10.0	10.2	1.31		13.4		.6	5		"
505	11-15	915A / 921A	"	3.0	0.48	1.15		0.55		.6	3		"
506	11-22	858A / 905A	"	4.0	0.70	0.87		0.61		.6	4		"
507	11-29	834A / 840A	"	3.0	0.52	1.10		0.57		.6	3		"
508	12-5	845A / 851A	"	3.0	0.60	1.02		0.61		.6	3		"
509	12-12	910A / 915A	"	3.0	0.48	0.90		0.43		.6	3		"
510	12-19	915A / 923A	"	4.0	0.74	0.46		0.34		.6	4		"
511	12-27	850A	"					0					
512	1-3	1005A	"					0					
513	1-9	1005A	"					0					
514	1-16	1000A / 1006A	"	3.0	0.56	0.89		0.50		.6	3		FC12
515	1-23	1000A / 1006A	"	3.0	0.64	0.89		0.57		.6	3		"
516	1-30	927A / 935A	"	4.0	0.94	0.72		0.68		.6	4		"
517	2-6	913A / 922A	"	4.0	1.02	0.76		0.78		.6	4		"
518	2-13	916A / 927A	"	4.0	0.84	0.83		0.70		.6	4		"
519	2-20	1010A / 1018A	BREWSTER-WADDICOR	4.0	1.30	0.73		0.95		.6	4		"
520	2-27	950A / 958A	WADDICOR	6.3	2.69	0.97		2.6		.6	6		FC37
521	3-6	1010A / 1020A	"	5.5	2.99	1.17		3.5		.6	6		"
522	3-13	945A / 952A	"	5.1	2.68	1.08		2.9		.6	5		"
523	3-20	940A / 945A	WADDICOR	4.0	1.28	0.67		0.86		.6	4		"
524	3-27	1023A / 1033A	WADDICOR VAN DER GOOT	7.5	4.93	1.20		5.9		.6	6		"
525	4-2	1005A / 1015A	WADDICOR	5.8	3.00	1.10		3.3		.6	6		"
526	4-10	945A / 955A	"	7.0	4.69	0.96		4.5		.6	6		"
527	4-17	1025A / 1035A	"	11.2	13.6	0.96		13.0		.6	8		"
528	4-24	1025A / 1035A	"	9.0	8.67	1.06		9.1		.6	7		"
529	5-1	951A / 956A	WADDICOR-MELLEN	10.0	9.70	1.05		10.2		.6	7		"
530	5-8	940A / 950A	WADDICOR	12.0	21.8	0.59		12.8		.6	7		"
531	5-15	950A / 1000A	"	12.0	21.8	0.57		12.4		.6	7		"
532	5-22	938A / 948A	"	10.0	7.52	1.04		7.8		.6	5		"
533	5-29	950A / 1000A	"	11.5	16.4	0.87		14.3		.6	7		"
534	6-5	955A / 1005A	"	12.0	15.2	0.58		8.9		.6	6		"
535	6-12	1015A / 1025A	"	11.0	13.8	0.98		13.5		.6	7		"
536	6-19	1015A / 1025A	"	11.2	16.0	0.76		12.1		.6	7		"
537	6-26	935A / 945A	"	10.5	9.46	1.00		9.5		.6	6		"
538	7-3	950A / 1000A	"	10.5	16.4	0.60		9.8		.6	6		"
539	7-10	1010A / 1020A	"	10.3	12.2	0.94		11.5		.6	8		"
540	7-17	1010A / 1020A	"	9.0	12.5	1.04		13.0		.6	5		"
541	7-24	930A / 940A	"	11.5	15.8	0.90		14.2		.6	7		"
542	7-31	935A / 945A	"	11.0	18.8	0.77		14.5		.6	6		"
543	8-7	915A / 927A	BREWSTER	9.0	8.00	1.64		13.1		.6	5		"
544	8-14	910A / 922A	"	11.0	17.0	0.94		16.0		.6	6		"
545	8-21	918A / 930A	"	12.0	10.8	1.33		14.4		.6	6		"
546	8-28	955A / 1005A	WADDICOR	12.0	22.2	0.91		20.2		.6	7		FC37
547	9-4	905A / 915A	"	10.8	9.20	1.46		13.4		.6	7		"
548	9-11	925A / 935A	"	11.0	10.2	1.52		15.5		.6	7		"
549	9-18	940A / 950A	"	10.5	10.6	1.33		14.1		.6	6		"
550	9-25	945A / 955A	"	11.0	11.6	1.26		14.6		.6	7		"

FACTON "N"
DISCHARGE MEASUREMENTS OF STANUEFER DITCH Fas-S

~~AT~~ NEAR below Head Gate DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	E. HT. CHANGE TOTAL	METER NO.
450	10/4	1015A / 1027A	BREWSTER	5.0	8.00	2.36		18.9		.6	5		FC12
451	10/11	1046A / 1058A	"	5.2	9.02	2.43		21.9		.6	5		"
452	10/18	1035A / 1045A	"	5.2	9.02	2.41		21.7		.6	5		"
453	10/25	1025A / 1037A	"	4.9	7.50	2.57		19.3		.6	5		"
454	11/1	1015A / 1027A	"	5.0	8.00	2.51		20.1		.6	5		"
455	11/8	1010A / 1020A	"	4.8	7.02	2.52		17.7		.6	5		"
456	11/15	1021A / 1033A	"	4.6	6.08	2.68		16.3		.6	5		"
457	11/23	1005A / 1020A	"	4.7	6.54	2.63		17.2		.6	5		"
458	11/29	1005A / 1017A	"	4.7	6.54	2.61		17.1		.6	5		"
459	12/6	1017A / 1029A	"	4.7	6.54	2.63		17.2		.6	5		"
460	12/13	1014A / 1026A	"	4.8	7.02	2.68		18.8		.6	5		"
461	12/27	1030A	"					0					
462	1/3	1030A	"					0					
463	1/10	1000A	"					0					
464	1/17	1020A	"					0					
465	1/24	1025A	"					0					
466	1/31	1030A	"					0					
467	2/7	1032A	"					0					
468	2/14	1035A	"					0					
469	2/21	1016A	"					0					
470	2/28	1017A	"					0					
471	3/7	1040A	"					0					
472	3/14	1007A	"					0					
473	3/21	1021A	"					0					
474	3/28	900A	"					0					
475	4/4	1000A	"					0					
476	4/11	1020A	"					0					
477	4/18	1045A	"					0					
478	4/25	1020A	"					0					
479	5/2	1009A / 1020A	"	4.0	3.50	2.60		9.1		.6	5		FC12
480	5/9	1007A / 1019A	"	4.2	4.32	2.92		12.6		.6	5		"
481	5/16	1007A / 1019A	"	4.6	6.84	3.54		24.2		.6	5		"
482	5/23	1016A / 1028A	"	4.6	6.08	3.36		20.4		.6	5		"
483	5/31	1018A / 1031A	"	4.6	6.08	3.22		19.6		.6	5		"
484	6/7	959A / 1011A	"	4.4	5.18	3.07		15.9		.6	5		"
485	6/13	10 10A / 1020A	BREWSTER WRIGHT	4.5	5.62	2.95		16.6		.6	5		"
486	6/20	101 1A / 1023A	BREWSTER	4.7	6.54	3.04		19.9		.6	5		"
487	6/27	1017A / 1029A	"	4.4	5.18	2.78		14.4		.6	5		"
488	7/5	1007A / 1019A	BREWSTER	4.6	6.08	3.04		18.5		.6	5		FC12
489	7/11	948A / 1000A	"	4.4	5.18	2.68		13.9		.6	5		"
490	7/18	945A / 957A	"	4.6	6.08	3.01		18.3		.6	5		"
491	7/25	948A / 1000A	"	4.4	5.18	2.76		14.3		.6	5		"
492	8/1	955A / 1005A	BREWSTER BONADIMAN	4.5	5.44	2.52		13.7		.6	5		"
493	8/15	945A / 955A	BONADIMAN	4.4	5.00	2.32		11.7		.6	5		FC19
494	8/22	940A / 950A	"	4.4	5.36	2.34		12.6		.6	5		"
495	8/29	1007A	BREWSTER	4.6	6.08	2.86		17.4		.6	5		FC12
496	9/5	931A / 943A	"	4.5	5.62	2.62		14.7		.6	5		"
497	9/12	948A / 1000A	"	4.4	5.18	2.34		12.1		.6	5		"
498	9/19	921A / 933A	"	4.4	5.18	2.49		12.9		.6	5		"
499	9/26	930A / 942A	"	4.4	5.36	2.41		12.9		.6	5		"

Factor "N"
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F85-S

~~NEAR~~ below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
500	10-3	951A / 1005A	BREWSTER	4.6	6.08	2.55		15.5		.6	5		FC12
501	10-10	1005A / 1017A	"	4.6	6.08	2.65		16.1		.6	5		"
502	10-17	944A / 956A	"	4.9	7.50	2.76		20.7		.6	5		"
503	10-24	935A / 947A	"	5.0	8.00	2.90		23.2		.6	5		"
504	10-31	1005A / 1017A	"	4.8	7.02	2.68		18.8		.6	5		"
505	11-7	947A / 959A	"	4.9	7.50	2.80		21.0		.6	5		"
506	11-15	935A	"					0					
507	11-22	917A	"					0					
508	11-29	855A	"					0					
509	12-5	940A	"					0					
510	12-12	926A	"					0					
511	12-19	1015A	"					0					
512	12-27	940A	"					0					
513	1-3	1020A	"					0					
514	1-9	1018A	"					0					
515	1-16	1022A	"					0					
516	1-23	1020A	"					0					
517	1-30	1025A	"					0					
518	2-6	1017A	"					0					
519	2-13	1029A	"					0					
520	2-20	1030A	"					0					
521	2-27	1020A	WADDICOR					0					
522	3-6	1030A	"					0					
523	3-13	1015A	"					0					
524	3-20	1000A	"					0					
525	3-27	1045A	"					0					
526	4-2	1025A / 1032A	"	4.2	4.40	1.86		8.2		.6	5		FC37
527	4-10	1005A / 1015A	"	3.9	3.62	2.18		7.9		.6	5		"
528	4-17	1046A / 1056A	"	4.6	6.28	3.02		19.0		.6	5		"
529	4-24	1050A / 1100A	"	4.7	6.46	3.08		19.9		.6	5		"
530	5-1	1013A / 1020A	WADDICOR-MELLEN	4.7	6.46	3.16		20.4		.6	5		"
531	5-8	957A / 1007A	WADDICOR	4.7	6.46	3.08		19.9		.6	5		"
532	5-15	1015A / 1025A	"	4.5	5.54	2.69		14.9		.6	5		"
533	5-22	1000A / 1010A	"	4.5	5.62	2.74		15.4		.6	5		"
534	5-29	1012A / 1022A	"	4.5	5.54	2.58		14.3		.6	5		"
535	6-5	1020A / 1030A	"	4.7	6.44	2.86		18.4		.6	5		"
536	6-12	1037A / 1047A	"	4.7	6.74	2.90		19.5		.6	5		"
537	6-19	1040A / 1050A	"	4.8	6.82	2.93		20.0		.6	5		"
538	6-26	1000A / 1010A	"	4.8	7.22	3.13		22.6		.6	5		"
539	7-3	1015A / 1020A	"	4.7	6.74	3.09		20.8		.6	5		"
540	7-10	1040A / 1050A	"	4.6	5.85	2.80		16.4		.6	5		"
541	7-17	1120A / 1130A	"	4.7	6.54	2.83		18.5		.6	5		"
542	7-24	950A / 1000A	"	4.7	6.54	2.88		18.8		.6	5		"
543	7-31	955A / 1005A	"	4.7	6.74	2.99		20.1		.6	5		"
544	8-7	940A / 952A	BREWSTER	4.6	6.08	2.78		16.9		.6	5		FC 12
545	8-14	935A / 947A	"	4.7	6.54	2.48		16.2		.6	5		"
546	8-21	940A / 952A	"	4.6	6.08	2.73		16.6		.6	5		"
547	8-28	1040A / 1050A	WADDICOR	4.6	6.26	2.73		17.1		.6	5		FC37
548	9-4	930A / 940A	"	4.5	5.80	2.58		15.0		.6	5		"
549	9-11	945A / 955A	"	4.6	6.26	2.68		16.8		.6	5		"
550	9-18	1005A / 1015A	"	4.7	6.36	2.86		18.2		.6	5		"
551	9-25	1010A / 1020A	"	4.6	6.26	2.65		16.6		.6	5		"

FACTOR "O"
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86S

~~NEAR~~ below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
444	10/4	1032A / 1053A	BREWSTER	TWO CHANNELS				28.6		.6	10		FC12
445	10/11	1105A / 1125A	"	21.0	16.2	1.65		26.8		.6	6		"
446	10/18	1050A / 1110A	"	TWO CHANNELS				28.2		.6	10		"
447	10/25	1046A / 1107A	"	"				33.8		.6	11		"
448	11/1	1032A / 1053A	"	"				32.8		.6	11		"
449	11/8	1025A / 1049A	"	"				36.6		.6	11		"
450	11/15	1038A / 1100A	"	"				33.4		.6	10		"
451	11/23	1025A / 1049A	"	"				41.4		.6	11		"
452	11/29	1023A / 1049A	"	"				44.0		.6	13		"
453	12/6	1034A / 1100A	"	"				41.7		.6	11		"
454	12/13	1031A / 1054A	"	"				42.2		.6	12		"
455	12/20	1037A / 1103A	"	"				42.2		.6	13		"
456	1/3	1035A / 1054A	"	"				76.6		.6	12		"
457	1/10	1006A / 1020A	"	24.0	25.6	3.14		80.4		.6	6		"
458	1/17	1025A / 1041A	"	21.0	23.6	3.32		78.3		.6	6		"
459	1/24	1030A / 1045A	"	23.0	25.3	3.20		81.0		.6	7		"
460	1/31	1035A / 1053A	"	23.0	24.6	3.38		83.2		.6	7		"
461	2/7	1037A / 1058A	"	40.0	38.4	2.27		87.0		.6	10		"
462	2/14	1040A / 1100A	"	32.0	35.4	2.50		88.6		.6	9		"
463	2/21	1020A / 1040A	"	32.0	36.2	2.41		87.2		.6	9		"
464	2/28	1022A / 1040A	"	29.0	34.9	2.52		87.9		.6	8		"
465	3/7	1045A / 1054A	"	36.0	36.4	2.28		82.9		.6	9		"
466	3/14	1014A / 1039A	"	33.0	36.8	2.30		84.6		.6	9		"
467	3/21	1025A / 1045A	"	31.0	37.2	2.57		95.6		.6	9		"
468	3/28	904A / 922A	BREWSTER	31.0	39.2	2.55		100.		.6	9		FC12
469	4/4	1005A / 1023A	"	43.0	43.2	2.45		106.		.6	7		"
470	4/11	1025A / 1045A	"	49.0	46.4	2.05		95.0		.6	9		"
471	4/18	1021A / 1040A	"	45.0	41.4	2.25		93.2		.6	8		"
472	4/25	1025A / 1043A	"	49.0	42.0	2.08		87.3		.6	9		"
473	5/2	1025A / 1055A	"	TWO CHANNELS				73.4		.6	14		"
474	5/9	1024A / 1050A	"	"				57.2		.6	13		"
475	5/16	1024A / 1052A	"	"				49.8		.6	13		"
476	5/23	1033A / 1059A	"	"				50.9		.6	13		"
477	5/31	1036A / 1102A	"	"				43.2		.6	13		"
478	6/7	1016A / 1040A	"	"				39.8		.6	12		"
479	6/13	1025A / 1045A	"	15.0	11.2	2.53		28.3		.6	7		"
480	6/20	1028A / 1044A	"	15.0	10.8	2.61		28.2		.6	7		"
481	6/27	1034A / 1050A	"	16.0	10.6	2.47		26.2		.6	7		"
482	7/5	1024A / 1039A	"	13.0	10.4	2.68		27.9		.6	7		"
483	7/11	1005A / 1021A	"	14.0	10.4	2.50		26.0		.6	7		"
484	7/18	1002A / 1018A	"	14.0	10.8	2.49		26.9		.6	7		"
485	7/25	1005A / 1021A	"	13.0	10.6	2.59		27.6		.6	7		"
486	8/1	1010A / 1020A	BREWSTER BONADIMAN	14.0	11.0	2.44		26.6		.6	7		"
487	8/8	1020A / 1030A	BONADIMAN	14.5	11.2	2.48		27.8		.6	9		FC49
488	8/15	1001A / 1012A	"	10.5	9.11	2.69		24.5		.6	7		"
489	8/22	1005A / 1015A	"	11.0	9.74	2.64		24.7		.6	7		"
490	8/29	1012A / 1026A	BREWSTER	11.0	10.2	2.37		24.2		.6	6		FC12
491	9/5	948A / 1000A	"	9.0	8.75	2.66		23.3		.6	5		"
492	9/12	1005A / 1019A	BREWSTER	10.0	9.45	2.55		24.1		.6	6		FC12
493	9/19	939A / 952A	"	11.0	13.2	1.86		24.6		.6	6		"
494	9/26	947A / 1002A	"	11.0	13.0	1.88		24.4		.6	6		"

Factor "O"
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F88-S

~~NEAR~~ below Standefer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 19~~47~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
~~495~~	10-3	1008A / 1022A	BREWSTER	10.0	11.4	2.13		24.3		.6	6		FC12
~~496~~	10-10	1022A / 1034A	"	11.0	12.4	2.02		25.1		.6	6		"
497	10-17	1001A / 1013A	"	10.0	6.95	2.55		17.7		.6	6		"
~~498~~	10-24	952A / 1014A	"	TWO CHANNELS				13.3		.6	11		"
~~499~~	10-31	1022A / 1034A	"	10.0	10.6	2.49		26.4		.6	5		"
500	11-6	1010A / 1030A	"	10.0	9.55	2.52		24.1		.6	6		"
501	11-15	940A / 956A	"	60.0	33.3	2.11		70.4		.6	7		"
502	11-22	922A / 940A	"	65.0	34.2	2.09		71.5		.6	8		"
503	11-29	900A / 920A	"	68.0	40.8	1.76		72.0		.6	8		"
504	12-5	945A / 1005A	"	72.0	52.5	2.06		108.		.6	8		"
505	12-12	931A / 950A	"	67.0	39.4	2.03		80.0		.6	8		"
506	12-19	1020A / 1040A	"	74.0	39.9	1.79		71.5		.6	8		"
507	12-27	945A / 1003A	"	69.0	62.4	2.56		160.		.6	8		"
508	1-3	1025A / 1051A	"	TWO CHANNELS				80.9		.6	11		"
509	1-9	1023A / 1049A	"	"	"			83.5		.6	12		"
510	1-16	1026A / 1054A	"	"	"			83.8		.6	12		"
511	1-23	1025A / 1052A	"	"	"			85.1		.6	12		"
512	1-30	1030A / 1056A	"	"	"			85.3		.6	12		"
513	2-6	1022A / 1050A	"	"	"			84.8		.6	13		"
514	2-13	1034A / 1102A	"	"	"			87.2		.6	12		"
515	2-20	1036A / 1051A	BREWSTER-WADDICOR	"	"			85.3		.6	13		"
516	2-27	1030A / 1050A	WADDICOR	"	"			74.7		.6	14		FC37
517	3-6	1040A / 1050A	"	"	"			77.5		.6	12		"
518	3-13	1025A / 1045A	"	"	"			71.4		.6	14		"
519	3-20	1010A / 1030A	"	"	"			77.3		.6	12		"
520	3-27	1103A / 1120A	WADDICOR VAN DER GOOT	"	"			73.1		.6	14		"
521	4-2	1040A / 1057A	WADDICOR	"	"			57.7		.6	13		"
522	4-10	1025A / 1045A	"	"	"			59.5		.6	14		"
523	4-17	1102A / 1117A	"	"	"			29.6		.6	11		"
524	4-24	1107A / 1117A	"	"	"			28.3		.6	11		"
525	5-1	1026A / 1050A	WADDICOR-MELLEN	"	"			32.0		.6	14		"
526	5-8	1015A / 1035A	WADDICOR	"	"			24.1		.6	14		"
527	5-15	1035A / 1055A	"	"	"			37.0		.6	15		"
528	5-22	1020A / 1040A	"	"	"			32.4		.6	13		"
529	5-29	1035A / 1055A	"	"	"			35.4		.6	14		"
530	6-5	1040A / 1052A	"	"	"			27.9		.6	13		"
531	6-12	1100A / 1122A	"	"	"			21.2		.6	15		"
532	6-19	1055A / 1110A	"	"	"			19.8		.6	12		"
533	6-26	1020A / 1035A	"	"	"			26.9		.6	14		"
534	7-3	1030A / 1050A	"	"	"			20.5		.6	13		"
535	7-10	1103A / 1120A	"	"	"			20.3		.6	16		"
536	7-17	1100A / 1116A	"	"	"			19.9		.6	15		"
537	7-24	1007A / 1027A	"	"	"			17.8		.6	13		"
538	7-31	1010A / 1030A	"	"	"			14.3		.6	12		"
539	8-7	957A / 1018A	"	"	"			18.1		.6	7		"
540	8-14	952A / 1012A	"	"	"			17.2		.6	8		"
541	8-21	957A / 1025A	"	16.0	11.2	1.61		18.0		.6	8		"
542	8-28	1055A / 1105A	"	13.8	13.7	1.31		17.9		.6	8		"
543	9-4	950A / 1000A	"	17.5	14.3	1.25		17.9		.6	9		"
544	9-11	1000A / 1010A	"	17.0	14.3	1.22		17.5		.6	7		"
545	9-18	1025A / 1035A	"	16.5	7.50	2.14		16.1		.6	9		"
546	9-25	1035A / 1045A	"	21.5	17.2	1.00		17.2		.6	7		"

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	105	105	115	127	132	151	134	119	97	88	88
2	100	105	105	116	127	132	152	133	118	97	89	88
3	100	105	106	117	127	132	154	133	117	96	90	88
4	100	105	106	118	128	131	155	133	116	96	91	88
5	100	106	106	118	128	131	154	133	115	96	92	88
6	101	106	106	119	128	131	153	132	114	96	93	88
7	101	106	106	119	128	131	152	132	113	96	94	88
8	101	106	107	120	128	131	151	132	112	96	95	88
9	101	106	107	120	129	132	150	132	111	95	94	87
10	102	106	107	121	129	132	149	132	111	95	92	87
11	102	106	107	121	129	132	148	131	110	95	91	87
12	102	106	108	122	129	132	148	131	109	95	89	87
13	102	106	108	122	130	133	147	131	108	94	88	87
14	102	106	108	123	130	133	147	131	107	94	86	87
15	103	106	108	123	130	135	146	130	107	94	85	87
16	103	106	108	124	130	136	146	130	106	94	86	88
17	103	106	108	124	130	138	145	129	105	93	86	88
18	103	105	108	124	130	140	145	129	104	93	87	88
19	103	105	108	124	130	142	144	128	104	93	87	88
20	103	105	108	124	130	143	143	127	103	92	88	88
21	103	105	108	124	130	145	142	126	102	92	88	88
22	103	104	109	124	130	145	141	126	102	92	89	88
23	103	104	109	124	131	145	140	125	101	92	89	88
24	103	104	110	124	131	145	139	124	100	91	89	88
25	103	104	110	124	131	146	138	124	99	91	89	88
26	103	105	111	125	131	146	137	123	99	91	88	88
27	104	105	111	125	132	146	137	123	98	90	88	89
28	104	105	112	126	132	146	136	122	98	90	88	89
29	104	105	113	126		147	135	121	97	89	88	90
30	104	105	114	127		148	134	121	97	89	88	90
31	105		114	127		150		120		88	88	
	3171	3159	3361	3790	3625	4288	4359	3978	3202	2892	2763	2639
MEAN	102.	105.	108.	122.	129.	138.	145.	128.	107.	93.3	89.1	88.0
ACRE-FEET	6,290.	6,270.	6,670.	7,520.	7,190.	8,510.	8,650.	7,890.	6,350.	5,740.	5,480.	5,230.

Remarks:

YEAR OR PERIOD MEAN 113.
ACRE-FEET 81,790.

F. C. Dist. Form 53 4-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

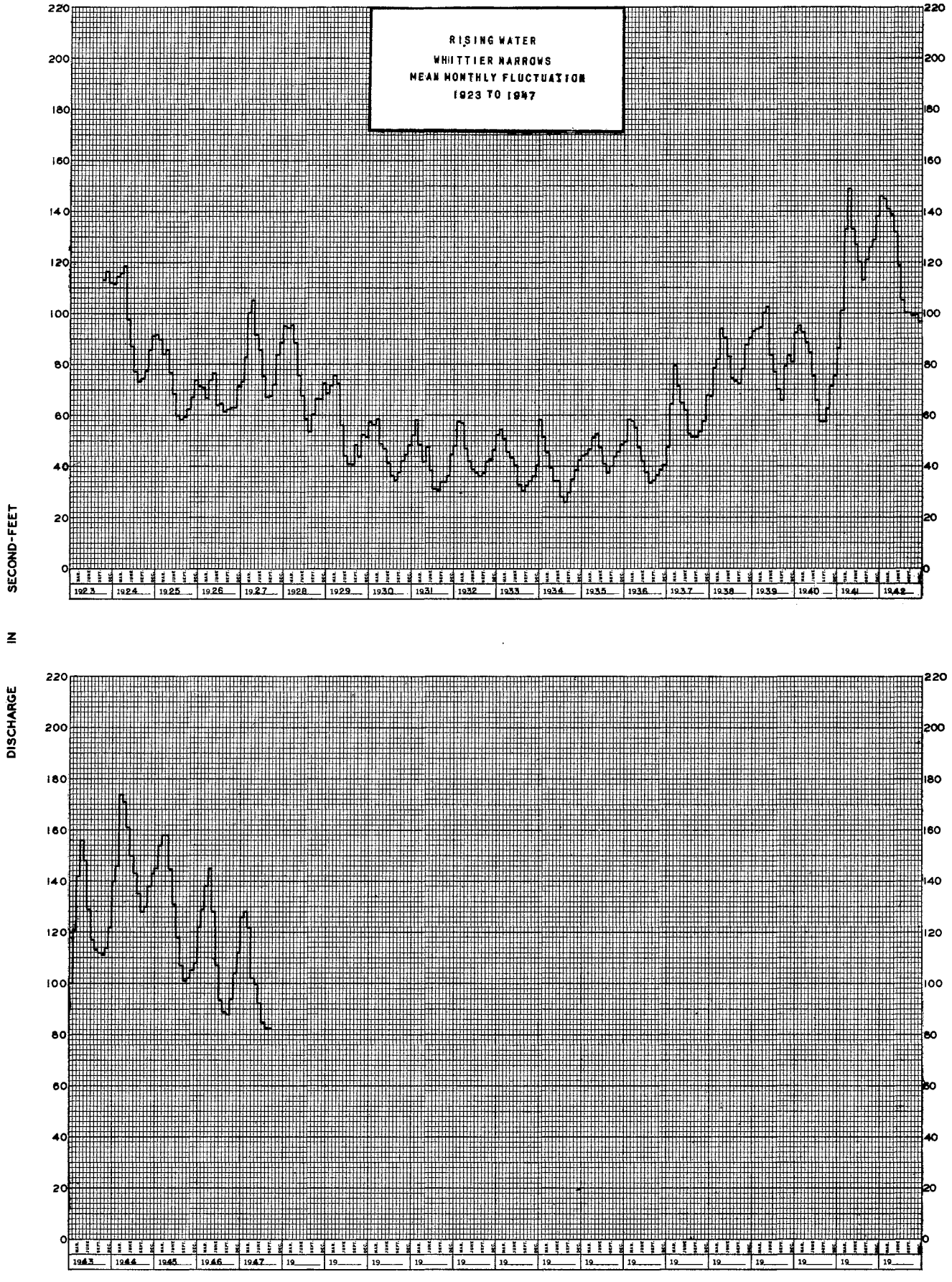
Sta. No._____

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 1947

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	91	98	110	121	129	121	108	102	99	87	83	82
2	92	98	109	122	129	121	107	102	98	86	83	82
3	92	97	109	122	128	122	107	102	97	85	83	82
4	92	97	108	122	128	123	107	101	96	85	82	82
5	92	97	108	122	128	124	106	101	95	85	82	82
6	92	96	108	123	128	125	106	101	95	85	82	82
7	91	96	108	124	128	125	106	100	95	85	82	82
8	91	96	109	125	128	125	106	100	95	85	82	83
9	91	97	109	126	129	124	105	99	94	85	82	83
10	91	98	109	126	129	123	105	99	94	85	82	84
11	91	99	109	126	130	123	104	100	94	85	82	85
12	91	100	110	126	130	122	103	100	94	85	82	85
13	92	102	110	126	131	122	102	101	93	85	82	85
14	92	104	110	126	131	122	100	102	92	85	82	85
15	93	106	110	126	131	123	99	103	91	85	82	84
16	93	106	110	126	130	124	98	102	90	85	82	84
17	94	107	110	126	130	125	97	101	89	85	82	84
18	94	107	111	126	130	126	97	100	88	85	83	84
19	95	108	111	126	129	127	98	99	88	85	83	84
20	95	108	111	127	129	127	98	98	88	85	83	84
21	96	109	111	127	128	126	99	97	89	85	83	83
22	96	109	112	128	126	125	99	96	89	85	83	83
23	97	109	113	128	125	123	100	96	90	85	83	82
24	97	109	114	128	124	121	100	97	90	85	83	81
25	97	109	115	128	122	119	100	97	91	85	83	79
26	97	110	116	128	121	118	100	98	92	85	83	79
27	97	110	117	128	120	117	100	98	91	84	83	79
28	98	110	117	129	120	115	101	99	90	84	83	78
29	98	110	118	129		114	101	100	89	84	83	78
30	98	110	119	129		112	101	100	88	83	83	78
31	98		120	129		110		99		83	82	
	2914	3112	3461	3905	3571	3774	3060	3090	2764	2631	2558	2468
MEAN	94.0	104	112	126	128	122	102	99.7	92.1	84.9	82.5	82.3
ACRE-FEET	5,780	6,170	6,860	7,750	7,080	7,490	6,070	6,130	5,480	5,220	5,070	4,900

Remarks:

YEAR OR PERIOD MEAN 102
ACRE-FEET 74,000


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
1923 TO 1947
DISCHARGE IN SECOND-FEET
220
200
180
160
140
120
100
80
60
40
20
0
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947

MISCELLANEOUS STATIONS

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1948

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			BALLONA CREEK at Jackson Avenue										
164	10/3	835A / 843A	BOLLINGER	9.0	6.76	1.15		7.8		.6	7		FC6
165	10/10	750A / 800A	"	11.8	6.83	1.01		6.9		.6	8		"
166	10/18	820A / 827A	"	9.0	8.68	0.88		7.6		.6	8		"
167	10/25	907A / 915A	"	10.7	5.54	1.10		6.1		.6	7		"
168	11/1	844A / 852A	"	12.0	7.93	0.79		6.3		.6	9		"
169	11/8	815A / 823A	"	8.0	7.08	0.93		6.6		.6	7		"
170	11/15	855A / 903A	"	10.0	8.58	0.78		6.7		.6	7		"
171	11/21	933A / 941A	"	10.0	8.05	0.85		6.8		.6	9		"
172	12/7	828A / 836A	"	7.5	6.14	1.01		6.2		.6	7		"
173	12/13	927A / 936A	"	8.0	6.49	0.89		5.8		.6	8		"
174	1/3	847A / 905A	"	11.5	14.4	1.66		23.9		.6	10		"
175	1/10	836A / 847A	"	11.3	10.0	0.87		8.7		.6	10		"
176	1/17	1055A / 1104A	"	11.7	11.6	0.80		9.3		.6	10		"
177	1/24	914A / 924A	"	10.8	9.27	0.71		6.6		.6	10		"
178	1/31	250P / 301P	"	11.3	10.5	0.93		9.8		.6	11		"
179	2/7	110P / 119P	"	11.5	10.7	0.89		9.5		.6	11		"
180	2/14	145P / 154P	"	11.6	10.8	0.81		8.7		.5	10		"
181	2/21	1045A / 1053A	"	11.5	10.5	0.64		6.7		.6	9		"
182	2/28	101.0A / 1021A	"	11.5	10.7	0.67		7.2		.5	10		"
183	3/7	826A / 835A	"	11.7	10.2	0.66		7.4		.5	10		"
184	3/14	853A / 905A	BOLLINGER	11.7	10.5	0.72		7.6		.5	11		FC6
185	4/4	820A / 835A	"	14.5	14.4	0.85		12.2		.6	10		"
186	4/11	803A / 812A	"	15.0	14.3	0.73		10.4		.6	10		"
187	4/18	835A / 847A	"	14.6	12.3	0.67		8.2		.6	10		"
188	4/25	808A / 820A	"	14.0	12.3	0.78		9.6		.6	10		"
189	5/2	820A / 831A	"	13.3	12.0	0.68		8.2		.6	9		"
190	5/9	800A / 810A	"	11.0	10.9	0.69		7.5		.6	10		"
191	5/16	815A / 824A	"	12.0	9.60	0.67		6.4		.6	8		"
192	5/23	850A / 900A	"	13.0	11.0	0.84		9.2		.6	11		"
193	5/31	800A / 810A	"	12.5	10.4	0.89		9.3		.6	11		"
194	6/6	830A / 840A	"	12.2	9.79	0.84		8.2		.6	9		"
195	6/13	756A / 808A	"	12.5	9.84	0.75		7.4		.6	10		"
196	6/20	808A / 818A	"	11.5	10.0	0.79		7.9		.6	10		"
197	6/27	757A / 809A	"	11.5	10.8	0.69		7.5		.6	9		"
198	7/3	920A / 950A	HAIG	10.0	7.10	0.96		6.8		.6	10		FC35
199	7/10	830A / 840A	"	10.0	8.70	0.76		6.6		.5	10		"
200	7/17	920A / 940A	"	10.0	9.00	0.99		8.9		.6	10		"
201	7/25	743A / 754A	BOLLINGER	8.2	6.04	1.06		6.4		.6	8		FC6
202	8/1	626A / 635A	BOLLINGER	12.5	9.85	0.85		8.4		.6	10		FC6
203	8/8	650A / 702A	"	12.0	9.92	0.86		8.5		.6	10		"
204	8/14	805A / 816A	"	13.0	13.0	1.08		14.1		.6	11		"
205	8/21	725A / 733A	"	10.1	8.46	0.93		7.9		.6	9		"
206	8/29	652A / 700A	"	10.3	8.94	0.83		7.4		.6	9		"
207	9/5	750A / 758A	"	10.0	8.56	0.77		6.6		.6	9		"
208	9/12	750A / 800A	"	9.5	8.05	0.82		6.6		.6	8		"
209	9/19	800A / 812A	"	9.5	8.10	0.82		6.6		.6	10		"
210	9/26	747A / 758A	"	9.5	8.63	0.81		7.0		.6	9		"

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
211	10-2	828A / 840A	BOLLINGER	10.0	9.07	0.95		8.6		.6	10		FC6
212	10-17	815A / 828A	"	11.0	11.1	0.51		5.7		.6	9		"
213	10-24	827A / 839A	"	11.0	12.0	0.49		5.9		.6	9		"
214	10-31	1100A / 1110A	"	11.0	11.6	0.49		5.7		.6	9		"
215	11-7	910A / 918A	"	12.0	12.2	0.44		5.4		.6	9		"
216	11-27	915A / 926A	"	11.5	9.51	0.86		8.2		.6	10		"
217	12-5	855A / 907A	"	12.7	10.7	0.75		8.0		.6	11		"
218	12-12	810A / 821A	"	12.0	10.7	0.57		6.1		.6	9		"
219	12-19	1030A / 1045A	"	11.0	9.88	0.67		6.6		.6	9		"
220	1-2	258P / 311P	"	12.5	13.1	1.14		15.0		.6	11		"
221	1-9	317P / 330P	"	12.1	12.5	1.07		13.4		.6	12		"
222	1-16	343P / 353P	"	13.2	11.7	0.82		9.6		.6	9		"
223	1-23	225P / 235P	"	12.3	11.5	0.86		9.9		.6	10		"
224	1-30	305P / 317P	"	12.5	9.28	1.15		10.7		.6	12		"
225	2-6	355P / 405P	"	12.5	11.0	1.08		11.9		.6	10		"
226	2-13	327P / 338P	"	13.0	11.2	1.09		12.2		.6	9		"
227	2-20	305P / 315P	"	12.5	8.43	1.36		11.5		.6	9		"
228	2-27	305P / 316P	"	12.5	9.90	1.26		12.5		.6	9		"
229	3-6	333P / 345P	"	12.0	11.2	0.96		10.8		.6	10		"
230	3-13	345P / 355P	"	11.5	10.8	0.89		9.7		.6	8		"
231	3-20	825A / 835A	"	11.5	11.3	1.00		11.3		.6	10		"
232	3-27	820A / 836A	"	12.0	14.2	0.75		10.6		.6	12		"
233	4-3	753A / 804A	"	13.0	8.85	0.75		6.6		.6	10		"
234	4-10	810A / 821A	"	11.5	9.57	0.63		6.0		.6	10		"
235	4-18	918A / 930A	"	12.3	10.3	0.76		7.8		.6	11		"
236	4-24	958A / 1008A	"	11.5	10.3	0.75		7.7		.6	10		"
237	5-1	815A / 827A	"	12.0	11.0	1.02		11.2		.6	11		"
238	5-8	838A / 850A	"	11.5	10.7	0.78		8.3		.6	10		"
239	5-15	727A / 739A	"	11.8	10.5	0.69		7.2		.6	9		"
240	5-22	1002A / 1013A	"	11.8	9.65	0.69		6.7		.6	10		"
241	5-29	735A / 750A	"	12.2	10.0	0.87		8.7		.6	12		"
242	6-5	955A / 1005A	"	11.9	11.4	0.82		9.4		.6	10		"
243	6-12	957A / 1008A	"	10.9	10.3	0.68		7.0		.6	10		"
244	6-19	740A / 750A	"	11.8	12.6	0.96		12.1		.6	10		"
245	6-26	923A / 935A	"	37.5	8.54	1.04		8.9		.5	7		"
246	7-3	844A / 852A	"	37.0	8.10	0.85		6.9		.5	7		"
247	7-10	716A / 726A	"	36.0	6.86	0.80		5.5		.5	8		"
248	7-17	922A / 932A	"	8.5	8.43	0.81		6.8		.6	9		"
249	7-24	337P / 345P	"	10.5	14.1	1.14		16.1		SURF	7		"
250	7-30	830A / 837A	MOON	8.0	8.50	1.01		8.6		.6	5		FC22
251	8-6	830A / 840A	"	8.5	8.07	0.94		7.6		.6	6		"
252	8-13	915A / 922A	"	7.0	7.50	0.85		6.4		.6	6		"
253	8-21	958A / 1008A	BOLLINGER	33.5	6.17	0.88		5.4		.5	8		FC6
254	8-28	825A / 834A	"	34.0	6.36	1.00		6.4		.5	8		"
255	9-4	756A / 806A	"	35.0	6.32	0.81		5.1		.5	8		"
256	9-11	943A / 954A	"	23.5	5.88	0.78		4.6		.5	11		"
257	9-18	945A / 958A	"	25.0	6.74	1.21		8.2		.5	12		"
258	9-25	732A / 743A	"	23.0	5.71	0.81		4.6		.5	10		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Dam (inflow)										
22	2/1	1016A / 1030A	DE VORE	6.0	3.12	0.64		2.0		.6	9		FC42
23	3/5	1020A / 1034A	"	5.2	2.52	0.99		2.5		.6	9		"
24	4/26	1035A / 1045A	WADDICOR	14.0	6.10	1.23		7.5		.6	7		FC37
			PACOIMA CREEK below Dam near Caretaker's house										
3	7/16	232P / 240P	STUNDEN	6.0	1.80	1.67		3.0		.5	6		FC36
			BIG TUJUNGA CREEK above Fox Creek (inflow)										
34	4/18	1110A / 1120A	WADDICOR	14.5	11.4	1.75		20.0		.6	9		FC37
35	5/1	1200N / 1215P	STUNDEN	8.0	7.45	1.57		11.7		.6	8		FC36
36	5/15	130P / 150P	"	TWO CHANNELS				9.2		.6	9		"
37	6/6	1225P / 1235P	TURNER	11.0	6.01	0.72		4.3		.6	8		FC43
38	6/20	200P / 210P	STUNDEN & B. STUNDEN	6.4	2.36	0.72		1.7	.5	.6	6		FC36
			FOX CREEK above Big Tujunga Creek										
45	1/17	135P / 143P	DE VORE	5.4	1.90	0.78		1.5		.6	5		FC42
46	1/24	128P / 138P	"	5.5	1.77	0.66		1.2		.6	6		"
47	2/20	232P / 243P	"	5.8	2.54	0.39		0.99		.6	8		"
48	4/18	1130A / 1140A	WADDICOR	8.0	6.21	0.56		3.5		.6	8		FC37
49	5/1	1250P / 1256P	STUNDEN	4.5	1.94	0.98		1.9	.5	.6	5		FC36
50	5/15	100P / 110P	"	6.0	3.64	0.47		1.7	.5	.6	6		"
51	6/6	1200N / 1205P	TURNER	3.3	1.61	0.47		0.75		.6	4		FC43
52	6/20	230P / 240P	STUNDEN & B. STUNDEN	2.8	1.18	0.77		0.91		.5	3		FC36
			BIG TUJUNGA CREEK below Fox Creek (inflow to reservoir)										
223	10/11	110P / 115P	GILLESPIE	6.0	1.24	1.29		1.6		.6	6		FC37
224	10/25	1245P / 1255P	"	4.0	1.04	1.92		2.0		.6	4		"
225	11/15	214P / 222P	DE VORE	5.2	1.38	2.46		3.4		.5	7		FC42
226	11/29	1143A / 1152A	"	5.4	1.53	2.16		3.3		.6	6		"
227	12/13	1140A / 1150A	"	6.7	1.92	2.19		4.2		.5	7		"
228	1/17	1257P / 111P	"	14.3	5.96	1.54		9.2		.6	7		"
229	1/24	1201P / 1215P	"	8.8	4.43	1.96		8.7		.6	8		"
230	2/7	1048A / 1101A	"	10.6	4.67	2.87		13.4		.6	9		"
231	2/20	150P / 200P	"	10.0	4.27	2.35		10.0		.6	8		"
232	3/7	1041A / 1057A	"	9.8	4.62	1.95		9.0		.6	11		"
233	3/21	1117A / 1136A	"	22.0	8.19	1.88		15.4	.5	.6	11		FC42
234	4/4	1228P / 1240P	WADDICOR	27.0	26.6	2.93		78.1		.6	10		FC22
235	8/22	225P / 230P	TURNER	2.5	0.43	0.65		0.28		.5	4		FC43
236	9/4	1125A / 1130A	"	3.5	0.47	1.19		0.56		.5	4		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			LOS ANGELES RIVER, L.A.W.D. Main Spreading Canal										
195	10/4	1235P / 1255P	BOLLINGER & ODEKIRK	THREE CHANNELS				3.45		.6	18	0	FC6
196	11/29	340P / 353P	HAIG & ODEKIRK	"	"			3.42		.6	24	0	FC35
197	12/13	820A / 850A	HAIG	"	"			3.33		.6	18	0	"
198	3/14	852A / 924A	"	"	"			1.81		.6	18	0	"
199	4/18	840A / 910A	"	"	"			2.59		.6	18	0	"
200	5/2	850A / 925A	"	"	"			1.97		.6	18	+.02	"
201	5/9	855A / 920A	"	"	"			2.59		.6	18	-.01	"
202	5/16	810A / 840A	"	"	"			2.74		.6	18	+.01	"
203	5/23	850A / 916A	"	"	"			2.88		.6	18	0	"
204	5/31	910A / 940A	"	"	"			2.53		.6	18	0	"
205	6/6	850A / 920A	"	"	"			2.55		.6	18	0	"
206	6/13	742A / 758A	BROWN	19.0	41.6	1.13		2.58		.6	17	0	FC24
207	6/20	850A / 915A	HAIG	THREE CHANNELS				2.62		.6	18	0	FC35
208	6/27	850A / 910A	"	"	"			2.69		.6	18	0	"
209	7/5	935A / 1000A	"	"	"			2.78		.6	18	0	"
210	7/18	950A / 1008A	"	"	"			2.82		.6	18	0	"
211	8/1	820A / 840A	"	"	"			2.78		.6	18	0	"
212	8/8	835A / 855A	"	"	"			2.76		.6	18	+.01	"
213	8/15	1035A / 1055A	BOLLINGER	"	"			1.82		.6	12	0	FC6
214	8/22	1135A / 1153A	"	"	"			2.84		.6	12	0	"
215	8/28	203P / 217P	BOLLINGER & WADDICOR	"	"			2.82		.6	12	0	"
216	9/4	1125A / 1145A	WADDICOR	"	"			2.79		.6	12	0	FC37
217	9/13	105P / 124P	BOLLINGER	"	"			2.84		.6	12	0	FC6
218	9/20	125P / 150P	"	"	"			2.85		.6	12	0	"
219	9/27	1020A / 1038A	"	"	"			2.82		.6	12	0	"
			ARROYO SECO above Millard Creek										
63	4/1	250P / 300P	WADDICOR & BROWN	32.8	27.5	2.14		59.0		.6	11		FC22
			MILLARD CREEK above Arroyo Seco										
1	4/1	235P / 240P	WADDICOR & BROWN	3.5	1.00	1.20		1.2		.6	6		FC22
			ARROYO SECO below Millard Creek										
42	12/25	100P / 110P	MOON	24.0	13.9	2.03		28.2		.6	11		FC22
43	12/26	1030A / 1045A	"	22.0	10.2	1.84		18.8		.6	11		"
44	12/26	1115A / 1125A	"	7.5	1.79	3.03		5.4		.6	7		"
			ARROYO SECO below Devils Gate Dam										
109	4/9	1015A / 1018A	MOON	1.3	0.10	1.00		0.10		.5	2		FC22

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK, above Dam (Inflow)										
25	12-18	230P / 240P	TURNER	10.5	4.46	1.17		5.2		.6	10		FC43
26	2-25	1015A / 1030A	"	12.0	4.44	0.97		4.3		.6	11		"
27	3-25	1000A / 1020A*	"	9.5	4.30	0.70		3.0		.6	10		"
28	4-15	305P / 315P	"	9.3	2.11	0.66		1.4		.5	10		"
29	4-29	245P / 250P	"	2.7	1.78	1.29		2.3		.6	5		"
30	5-15	150P / 155P	"	2.3	1.29	0.62		0.80		.6	4		"
31	5-29	105P / 110P	"	2.2	1.18	0.51		0.60		.6	4		"
32	6-25	1240P / 1245P	STUNDEN	2.5	0.64	0.44		0.28		.5	4		"
			BIG TUJUNGA CREEK, below Fox Creek (Inflow to Reservoir)										
237	4-9	330P / 340P	TURNER	18.0	9.76	1.18		11.5		.6	9		FC43
238	5-1	335P / 350P	STUNDEN	8.0	5.27	1.37		7.2		.5 .6	8		FC36
239	6-18	100P / 115P	"	3.5	1.66	0.96		1.6		.5	6		"
240	7-9	310P / 320P	"	4.0	1.16	0.43		0.50		.5	4		"
			LOS ANGELES RIVER, LAWD Main Spreading Canal										
220	10-3	1130A / 1147A	WADDICOR	THREE CHANNELS				3.33	64.2	.6	12		FC37
221	10-10	1205P / 1217P	WADDICOR / VAN DER GOOT	"	"			2.72	36.1	.6	12		"
222	10-17	1225P / 1241P	WADDICOR	"	"			3.10	51.1	.6	12		"
223	10-24	1200N / 1214P	"	"	"			3.34	56.8	.6	12		"
224	10-31	1130A / 1142A	"	"	"			3.10	41.6	.6	12		"
225	11-7	1125A / 1137A	"	"	"			2.88	33.4	.6	12		"
226	3-20	136P / 150P	BLAKELY - ODEKIRK	"	"			2.23	42.4	.6	18		FC35
227	3-27	205P / 225P	ODEKIRK - BLAKELY	"	"			2.31	45.4	.6	18		LAWD 8932
228	4-3	124P / 139P	BLAKELY - ODEKIRK	"	"			2.25	39.9	.6	12		FC35
229	4-10	200P / 217P	ODEKIRK - BLAKELY	"	"			2.21	41.1	.6	12		LAWD 8932
230	4-17	106P / 120P	BLAKELY - JOHNSON	"	"			2.19	40.1	.6	12		FC35
231	4-24	1151A / 1201P	BLAKELY	"	"			2.19	40.5	.6	12		"
232	5-1	154P / 203P	"	"	"			2.21	39.0	.6	12		"
233	5-8	1244P / 1255P	"	"	"			2.28	41.3	.6	12		"
234	5-15	154P / 202P	"	"	"			2.39	38.6	.6	12		"
235	5-21	115P / 145P	STUNDEN	"	"			2.45	35.9	.6	18		FC36
236	6-5	354P / 407P	BLAKELY	"	"			2.64	34.0	.6	15		FC35
237	6-12	209P / 221P	"	"	"			2.79	40.0	.6	15		"
238	6-19	117P / 127P	"	"	"			2.81	38.5	.6	15		"
239	7-2	358P / 415P	BOLLINGER	"	"			2.86	34.6	.6	12		FC6
240	7-10	355P / 415P	BLAKELY	"	"			2.84	36.0	.6	15		FC35
241	7-17	214P / 228P	"	"	"			2.86	36.4	.6	15		FC35
242	7-24	230P / 242P	"	"	"			2.79	35.1	.6	15		"
243	7-31	209P / 222P	"	"	"			2.80	35.9	.6	15		"
244	8-7	442P / 452P	"	"	"			2.68	34.8	.6	15		"
245	8-13	1220P / 1243P	TURNER	"	"			2.72	36.8	.6	18		FC43
246	8-20	1225P / 100P	"	"	"			2.75	33.7	.6	18		"
247	8-28	154P / 206P	BLAKELY	"	"			2.80	35.9	.6	15		FC35
248	9-4	122P / 134P	"	"	"			2.78	34.8	.6	15		"
249	9-11	130P / 142P	"	"	"			2.85	34.9	.6	15		"
250	9-18	145P / 200P	"	"	"			2.88	33.9	.6	15		"
251	9-25	130P / 145P	"	"	"			2.96	32.6	.6	15		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO, above Millard Creek										
64	11-25	1000A / 1010A	MOON	15.0	17.0	2.27		38.6		.6	8		FC22
			ARROYO SECO, below Millard Creek										
45	11-26	135P / 140P	MOON	19.5	18.3	1.55		28.4		.6	11		FC22
46	12-26	800A / 815A	MOON - STEVENS	25.0	39.1	2.96		116.		.6	12		"
47	12-29	1020A / 1035A	MOON	26.0	33.4	2.37		79.0		.6	13		"
48	12-30	750A / 802A	"	25.0	28.3	2.08		55.2		.6	12		"
49	12-31	1000A / 1015A	"	26.0	27.9	1.66		46.3		.6	12		"
50	1-2	1125A / 1140A	"	25.0	24.0	1.61		38.7		.6	12		"
51	1-3	940A / 955A	"	24.0	22.6	1.57		35.4		.6	12		"
52	1-4	1030A / 1045A	"	24.0	20.9	1.54		32.2		.6	12		"
53	1-29	110P / 120P	"	8.0	4.20	3.50		14.7		.6	6		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 19 46

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK below Santa Anita Dam (outflow)										
335	10/4	900A / 910A	STUNDEN	2.0	0.80	1.62		1.3		.5	4		FC36
336	10/4	920A / 930A	"	2.8	1.29	1.01		1.3		.5	4		"
337	10/11	810A / 815A	"	2.8	1.35	0.96		1.3		.5 .6	5		"
338	10/18	830A / 836A	MOON	2.8	1.25	1.04		1.3		.5	5		FC22
339	10/25	800A / 805A	"	2.8	1.21	1.02		1.2		.5	5		"
340	11/1	924A / 931A	MOON ROCKENMEYER	2.8	1.26	0.95		1.2		.5	5		"
341	11/8	815A / 820A	MOON	2.8	1.30	1.00		1.3		.6	5		"
342	11/15	820A / 825A	"	2.8	1.29	1.01		1.3		.5	5		"
343	11/21	840A / 845A	"	2.8	1.29	1.01		1.3		.5	5		"
344	11/29	840A / 845A	"	2.8	1.30	1.00		1.3		.5	5		"
345	12/6	815A / 820A	"	2.8	1.29	1.01		1.3		.5	5		"
346	12/13	805A / 810A	"	2.8	1.31	0.99		1.3		.5	5		"
347	12/20	840A / 845A	"	2.8	1.26	1.03		1.3		.5	5		"
348	1/10	800A / 805A	"	2.8	4.59	0.74		3.4		.6	4		"
349	1/17	1015A / 1025A	"	5.5	3.20	1.12		3.6		.5	6		"
350	1/23	810A / 820A 935A	"	TWO CHANNELS				12.1		.6	9		"
351	1/31	940A	"	4.5	1.55	1.16		1.8		.6	4		"
352	2/5	120P / 140P	"	7.0	4.15	1.66		6.9		.6	7		"
353	2/14	845A / 852A	"	6.6	2.86	0.73		2.1		.6	7		"
354	2/21	900A / 910A	"	6.7	2.84	0.70		2.0		.6	7		"
355	2/28	820A / 828A	MOON	6.0	2.73	0.81		2.2		.6	6		FC22
356	3/7	815A / 825A	"	6.0	2.60	0.79		2.0		.5	6		"
357	3/13	900A / 910A	"	6.4	2.93	0.78		2.3		.6	7		"
358	3/27	800A / 810A	"	6.0	2.39	0.46		1.1		.6	7		"
359	4/3	305P / 320P	STUNDEN	7.8	7.06	2.25		15.9		.6	8		FC36
360	4/3	320P / 335P	"	7.8	7.18	2.27		16.1		.6	8		"
361	4/11	815A / 822A	MOON	5.4	2.50	0.92		2.3		.6	6		FC22
362	4/15	830A / 838A	"	5.4	2.46	0.61		1.5		.5	6		"
363	4/25	820A / 830A	"	5.3	2.38	0.59		1.4		.5	6		"
364	5/3	1050A / 1100A	"	5.2	2.39	0.63		1.5		.5	6		"
365	5/9	830A / 837A	"	5.3	2.42	0.62		1.5		.5	6		"
366	5/16	820A / 827A	"	5.2	2.43	0.66		1.6		.5	6		"
367	5/23	850A / 900A	"	5.5	2.62	0.69		1.8		.6	6		"
368	5/30	815A / 822A	"	5.3	2.58	0.66		1.7		.5	6		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK below Santa Anita Dam (outflow) - (cont.)										
369	6/6	830A / 837A	"	5.3	2.68	0.75		2.0	.5	6			"
370	6/8	835A / 845A	"	6.3	4.05	1.23		5.0	.6	7			"
371	6/13	900A / 910A	"	6.4	4.80	1.88		9.0	.6	7			"
372	6/18	1145A / 1155A	"	6.2	4.66	1.59		7.4	.6	7			"
373	6/20	1115A / 1125A	"	6.5	4.69	1.54		7.2	.6	7			"
374	6/27	845A / 855A	MOON	6.3	4.65	1.48		6.9	.6	7			FC22
375	7/3	830A / 840A	"	6.5	4.71	1.42		6.7	.6	7			"
376	7/11	830A / 840A	"	6.5	4.66	1.42		6.6	.6	7			"
377	7/18	820A / 830A	"	6.5	4.69	1.41		6.6	.6	7			"
378	7/20	1010A / 1020A	"	3.9	2.22	0.86		1.9	.6	8			"
379	7/20	1030A / 1036A	"	3.9	2.22	0.86		1.9	.6	5			"
380	7/25	810A / 816A	"	3.9	2.31	0.91		2.1	.6	5			"
381	8/1	830A / 835A	"	4.0	2.20	0.95		2.1	.5	4			"
382	8/8	830A / 835A	"	3.9	2.17	0.94		2.0	.5 .6	4			"
383	8/15	820A / 825A	"	4.0	2.00	0.75		1.5	.5	4			"
384	8/22	820A / 825A	"	4.0	2.00	0.75		1.5	.5	4			"
385	8/29	815A / 820A	"	4.0	2.00	0.75		1.5	.5	4			"
386	9/5	825A / 830A	STUNDEN	4.0	1.96	0.71		1.4	.5	5			FC36
387	9/14	900A / 910A	"	4.0	1.99	0.65		1.3	.5	5			"
388	9/19	805A / 815A	"	4.0	1.96	0.71		1.4	.5	4			"
389	9/25	840A / 850A	"	4.0	1.98	0.66		1.3	.5	4			"
			SANTA ANITA CREEK - Three Cities Farms Diversion										
94	10/4	940A / 948A	STUNDEN	TWO CHANNELS				0.65	.5	4			FC36
95	10/11	830A / 840A	"	"	"			0.39	.5	8			"
96	10/18	900A / 905A	MOON	"	"			0.46	.5	4			FC22
97	10/25	830A / 834A	"	"	"			0.54	.5	4			"
98	11/1	1000A / 1004A	MOON ROCKENMEYER	"	"			0.48	.5	4			"
99	11/8	845A / 850A	MOON	"	"			0.48	.6	4			"
100	11/15	840A / 845A	"	"	"			0.38	.5	4			"
101	11/21	910A / 914A	"	"	"			0.35	.5	4			"
102	11/29	900A / 904A	"	"	"			0.37	.6	4			"
103	12/6	835A / 837A	"	"	"			0.33	.5	4			"
104	12/13	835A / 837A	"	2.0	0.72	0.60		0.43	.5	2			"
105	12/20	910A / 912A	"	2.0	0.28	1.29		0.36	.5	2			"
106	1/10	915A / 920A	"	TWO CHANNELS				0.26	.5	4			"
107	1/17	1040A / 1042A	MOON	2.0	0.32	1.28		0.41	.6	2			FC22
108	1/23	830A / 832A	"	2.0	0.32	1.56		0.50	.5	2			"
109	1/31	1000A / 1003A	"	2.0	0.30	0.90		0.27	.5	2			"
110	2/5	200P / 202P	"	2.0	0.36	1.41		0.51	.5	2			"
111	2/21	925A / 927A	"	2.0	0.32	1.78		0.57	.6	2			"
112	2/28	845A / 847A	"	2.0	0.32	1.34		0.43	.5	2			"
113	3/7	840A / 842A	"	2.0	0.40	1.30		0.52	.5	2			"
114	3/13	920A / 922A	"	2.0	0.34	1.47		0.50	.5	2			"
115	3/27	850A / 852A	"	2.0	0.20	1.05		0.21	.5	2			"
116	4/4	540P / 543P	STUNDEN	2.0	2.00	0.50		1.0	.6	2			FC36
117	4/11	845A / 847A	MOON	2.0	0.30	1.20		0.36	.5	2			FC22
118	4/18	900A / 902A	"	2.0	0.20	1.20		0.24	.5	2			"
119	4/25	840A / 842A	"	2.0	0.30	1.20		0.36	.5	2			"
120	5/3	1110A / 1112A	"	2.0	0.34	1.26		0.43	.5	2			"
121	5/9	900A / 902A	"	2.0	0.32	1.25		0.40	.5	2			"
122	5/16	900A / 902A	"	2.0	0.36	1.28		0.46	.5	2			"
123	5/23	915A / 917A	"	2.0	0.58	1.21		0.70	.5	2			"
124	5/30	840A / 842A	MOON	2.0	0.36	1.56		0.56	.5	2			FC22
125	6/6	900A / 902A	"	2.0	0.30	1.13		0.34	.5	2			"
126	6/13	925A / 927A	"	2.0	0.56	1.27		0.71	.5	2			"
127	6/20	1140A / 1142A	"	2.0	0.36	1.25		0.45	.5	2			"
128	6/27	910A / 912A	"	2.0	0.28	1.18		0.33	.5	2			"
129	7/3	900A / 902A	"	2.0	0.28	1.32		0.37	.5	2			"
130	7/11	900A / 902A	"	2.0	0.28	1.43		0.40	.5	2			"
131	7/18	900A / 902A	"	2.0	0.24	1.17		0.28	.5	2			"
132	7/20	1100A / 1102A	"	2.0	0.22	1.18		0.26	.5	2			"
133	7/25	845A / 847A	"	2.0	0.24	1.17		0.28	.5	2			"
134	8/1	910A / 912A	"	2.0	0.24	1.25		0.30	.5	2			"
135	8/8	900A / 902A	"	2.0	0.22	1.41		0.31	.5	2			"
136	8/15	850A / 852A	"	2.0	0.20	1.50		0.30	.5	2			"
137	8/22	900A / 902A	"	2.0	0.20	0.95		0.19	.5	2			"
138	8/29	845A / 847A	"	2.0	0.20	1.15		0.23	.5	2			"
139	9/5	758A / 803A	STUNDEN	2.0	0.20	0.80		0.16	SURF	2			FC36
140	9/14	935A / 940A	"	2.0	0.20	0.65		0.13	SURF	2			"
141	9/19	745A / 750A	"	2.0	0.20	0.80		0.16	SURF	2			"
142	9/25	815A / 820A	"	2.0	0.20	0.75		0.15	SURF	2			"
			SANTA ANITA above Clamshell										
129	12/21	205P / 217P	MOON	TWO CHANNELS				24.8	.6	8			FC22
130	12/21	400P / 420P	"	"	"			47.2	.6	14			"
131	12/22	730A / 745A	"	"	"			86.3	.6	13			"
132	12/27	1000A / 1010A	"	13.0	7.30	1.91		14.0	.6	9			"
133	3/20	142P / 156P	MOON ROCKENMEYER	11.0	8.20	2.07		17.0	.6	11			"
134	3/21	820A / 830A	MOON	11.0	8.20	2.27		18.6	.6	10			"
135	3/30	430A / 438A	MOON ROCKENMEYER	TWO CHANNELS				31.2	.6	8			"
136	3/30	1105A / 1117A	MOON ROCKENMEYER	"	"			83.6	.6	13			"
137	3/30	423P / 438P	MOON ROCKENMEYER	"	"			132.	.6	16			"
138	3/31	1136A / 1150A	MOON ROCKENMEYER	"	"			51.2	.6	14			"
139	3/31	154P / 207P	MOON ROCKENMEYER	"	"			33.9	.6	14			"
140	4/1	342P / 350P	WADDICOR BROWN	20.4	18.5	1.89		35.0	.6	11			"
141	4/4	445P / 515P	STUNDEN	22.5	24.2	2.46		59.6	.6	13			FC36
142	4/5	345P / 357P	MOON	11.0	6.38	1.91		12.2	.6	8			FC22
			RIO HONDO above Peck Road										
7	1/3	405P / 415P	MOON BEAM	53.0	89.2	3.46		309.	.6	8			FC22
8	1/7	120P / 135P	MOON BEAM	51.0	77.2	3.01		232.	.6	10			"
9	1/9	155P / 207P	MOON	46.0	64.0	2.67		171.	.6	10			"
10	1/16	210P / 230P	"	47.0	65.2	2.90		189.	.6	10			"
11	1/18	1225P / 1245P	"	44.0	55.7	2.37		132.	.6	10			"
12	9/12	1250P / 120P	STUNDEN VAN DER GOOT	48.0	53.4	4.43		237.	.6	10			FC36
13	9/13	415P / 435P	STUNDEN COLE	63.0	120.	3.22		386.	.6	13			"
14	9/18	330P / 355P	STUNDEN BOLLINGER	51.0	66.9	4.73		316.	.6	12			"
15	9/23	200P / 218P	STUNDEN BOLLINGER	48.0	59.3	4.02		238.	.6	11			"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

~~AT~~ Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 19~~47~~

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAWPIT CREEK, Inflow to Reservoir										
15	1-2	327P / 335P	MOON	8.5	2.59	1.28		3.2		.6	8		FC22
			SANTA ANITA CREEK, above Santa Anita Dam										
74	11-25	120P / 130P	MOON - SHIPLEY	12.5	12.5	1.82		22.8		.6	10		FC22
75	12-29	109P / 119P	MOON	15.0	21.5	2.43		52.2		.6	8		"
76	12-30	1052A / 1107A	MOON - LANG	14.0	19.8	2.06		40.8		.6	10		"
77	12-31	1255P / 105P	MOON	13.0	17.0	1.78		30.2		.6	10		"
78	1-2	150P / 201P	"	13.0	15.2	1.52		23.1		.6	11		"
79	1-3	1210P / 1220P	"	13.0	13.9	1.49		20.7		.6	11		"
80	1-4	840A / 850A	"	12.0	13.5	1.37		18.5		.6	10		"
81	1-6	1040A / 1052A	"	12.0	12.3	1.37		16.9		.6	11		"
82	1-7	830A / 840A	"	11.0	11.6	1.38		16.0		.6	10		"
83	9-11	920A / 930A	STUNDEN-SHIPLEY	1.0	0.53	0.72		0.38		.6	2		"
			SANTA ANITA CREEK, below Santa Anita Dam										
390	10-3	830A / 835A	MOON	4.0	1.90	0.63		1.2		.5	4		FC22
391	10-10	830A / 835A	"	4.0	1.95	0.62		1.2		.5	4		"
392	10-17	1253P / 1258P	"	4.0	1.98	0.71		1.4		.6	4		"
393	10-24	820A / 825A	"	4.0	1.98	0.71		1.4		.5	4		"
394	10-31	930A / 935A	"	4.0	1.99	0.70		1.4		.5	4		"
395	11-7	820A / 825A	"	4.0	1.99	0.70		1.4		.5	4		"
396	12-5	820A / 830A	"	7.5	5.95	1.63		9.7		.6	8		"
397	12-18	830A / 840A	"	7.0	3.70	0.86		3.2		.6	7		"
398	2-11	755A / 805A	"	11.0	5.80	3.55		20.6		.6	6		"
399	2-13	820A / 830A	"	8.0	4.10	3.22		13.2		.6	8		"
400	2-14	820A / 830A	"	8.5	3.28	1.77		5.8		.6	5		"
401	2-26	1045A / 1050A	"	8.0	2.48	1.94		4.8		.5	5		"
402	3-5	1140A / 1150A	"	9.0	2.95	1.70		5.0		.6	7		"
403	3-12	940A / 948A	"	4.0	1.72	1.45		2.5		.5 / .6	5		"
404	3-19	900A / 906A	"	3.5	1.70	1.47		2.5		.5 / .6	5		"
405	3-26	900A / 910A	"	4.0	1.77	1.47		2.6		.5 / .6	6		"
406	4-2	1015A / 1024A	"	4.0	1.78	1.40		2.5		.5	6		"
407	4-9	1135A / 1140A	"	3.0	1.20	1.25		1.5		.5	4		"
408	4-16	900A / 907A	"	3.5	1.89	1.75		3.3		.5	5		"
409	4-24	1130A / 1135A	"	4.0	1.61	1.74		2.8		.5	4		"
410	4-30	1110A / 1115A	"	3.0	1.19	2.44		2.9		.5	5		"
411	5-8	1145A / 1152A	"	3.0	1.33	1.73		2.3		.5	5		"
412	5-15	800A / 805A	"	3.0	0.84	1.10		0.92		.5	4		"
413	5-22	750A / 755A	"	3.0	0.88	1.25		1.1		.5	4		"
414	9-3	840A / 850A	STUNDEN	3.0	0.90	1.22		1.1		.5	6		"
			SANTA ANITA CREEK, Three Cities Farms Diversion										
143	10-3	900A / 902A	MOON	2.0	0.22	0.95		0.21		.5	2		FC22
144	10-10	855A / 857A	"	2.0	0.22	1.36		0.30		.5	2		"
145	10-17	1234P / 1238P	"	2.0	0.20	1.15		0.23		.5	2		"
146	10-24	850A / 852A	"	2.0	0.20	1.15		0.23		.5	2		"
147	10-31	950A / 952A	"	2.0	0.18	0.83		0.15		.5	2		"
148	11-7	905A / 907A	"	2.0	0.16	0.88		0.14		.5	2		"
149	2-11	820A / 822A	"	2.0	0.12	1.17		0.14		.5	2		"
150	2-13	900A / 902A	"	2.0	0.10	1.20		0.12		.5	2		"
151	2-14	910A / 912A	"	2.0	0.32	1.38		0.44		.5	2		"
152	2-19	800A / 803A	"	2.0	0.24	1.25		0.30		.5	2		"
153	2-26	1020A / 1022A	"	2.0	0.24	1.12		0.27		.5	2		"
154	3-5	1130A / 1132A	"	2.0	0.24	1.12		0.27		.5	2		"
155	3-12	850A / 852A	"	2.0	0.40	1.38		0.55		.5	2		"
156	3-13	835A / 837A	"	2.0	0.32	1.38		0.44		.5	2		"
157	3-26	930A / 932A	"	2.0	0.36	1.39		0.50		.5	2		"
158	4-2	1045A / 1047A	"	2.0	0.36	1.39		0.50		.5	2		"
159	4-9	1225P / 1227P	"	2.0	0.36	1.36		0.49		.5	2		"
160	4-16	1220P / 1222P	"	2.0	0.36	1.44		0.52		.5	2		"
161	4-24	1150A / 1152A	"	2.0	0.30	1.40		0.42		.5	2		"
162	4-30	200P / 202P	"	2.0	0.32	1.44		0.46		.5	2		"
163	5-8	1210P / 1212P	"	2.0	0.32	1.62		0.52		.5	2		"
164	5-15	830A / 832A	"	2.0	0.30	1.50		0.45		.5	2		"
165	6-4	335P / 337P	"	2.0	0.32	1.25		0.40		.5	2		"
166	6-11	330P / 332P	"	2.0	0.30	1.53		0.46		.5	2		"
167	6-19	925A / 927A	"	2.0	0.28	1.07		0.30		.5	2		"
168	7-3	950A / 952A	"	2.0	0.28	1.43		0.40		.5	2		"
169	7-9	1105A / 1107A	"	2.0	0.24	1.42		0.34		.5	2		"
170	7-17	910A / 912A	MOON - PAYNE	2.0	0.28	1.29		0.36		.5	2		"
171	7-24	940A / 942A	" "	2.0	0.26	1.23		0.32		.5	2		"
172	7-31	945A / 947A	" "	2.0	0.28	1.14		0.32		.5	2		"
173	8-7	1107A / 1109A	" "	2.0	0.20	1.20		0.24		.5	2		"
174	8-14	850A / 852A	" "	2.0	0.30	1.67		0.50		.5	2		"
175	8-21	950A / 952A	" "	2.0	0.14	1.29		0.18		.5	2		"
176	8-28	915A / 917A	" "	2.0	0.16	0.88		0.14		.5	2		"
177	9-3	810A / 815A	STUNDEN	2.0	0.36	1.05		0.38		.5	3		FC36
178	9-11	1005A / 1015A	"	2.0	0.24	0.83		0.20		SURF	4		"
179	9-17	425P / 430P	"	2.0	0.22	1.09		0.24		.5	4		FC40
180	9-25	930A / 940A	"	2.0	0.34	0.91		0.31		.5	4		"
			SANTA ANITA CREEK, above Clamshell										
143	11-12	1016P / 1021P	MOON - ROCKENMEYER	TWO CHANNELS				48.9		.6	8		FC22
144	11-14	1245P / 1252P	" "	12.0	10.2	2.55		26.0		.6	7		"
145	11-20	145P / 156P	" "	18.0	18.4	3.73		68.6		.6	9		"
146	11-20	253P / 259P	MOON	25.0	34.4	4.80		167.		.6	6		"
147	11-21	525P / 537P	MOON - ROCKENMEYER	16.0	15.4	3.82		58.8		.6	8		"
148	11-23	940A / 1010A	MOON	22.0	19.1	2.18		41.7		.6	11		"
149	11-26	717A / 730A	"	13.5	10.0	2.33		23.3		.6	10		"
150	11-29	230P / 245P	STUNDEN	18.5	12.6	1.66		20.9		.6	10		FC36
151	12-3	1045A / 1055A	MOON	12.0	5.90	1.66		9.8		.6	10		FC22
152	12-11	1115A / 1130A	STUNDEN	9.0	5.12	1.13		5.8		.6	9		FC36
153	12-25	150P / 155P	MOON	10.0	9.20	2.35		21.6		.6	5		FC22
154	12-25	600P / 610P	MOON - STEVENS	12.0	9.40	3.72		35.0		.6	5		"
			LITTLE SANTA ANITA CREEK, outflow from F.C. Dam										
3	2-5	930A / 935A	MOON	1.44	0.36	2.03		0.73		FLOATS	2		

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1946

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - West Fork above Devils Creek										
15	10/25	312P / 324P	TREAT MIDDLETON	8.0	2.22	0.35		0.78		.6	7		FC29
16	11/33	105P / 115P	F. TREAT M. TREAT	6.0	1.83	0.84		1.5		.6	6		FC26
17	3/8	135P / 151P	WENTZ MIDDLETON	9.5	4.57	1.07		4.9		.6	8		FC29
18	4/18	913A / 930A	WENTZ	10.2	8.66	1.91		16.6		.6	10		FC26
19	4/18	945A / 1010A	"	14.0	7.22	2.32		16.8		.6	13		"
20	9/17	210P / 220P	"	2.0	0.3?	0.94		0.30		.6	3		"
			DEVILS CREEK above Junction with San Gabriel River										
14	10/25	128P / 145P	TREAT MIDDLETON	13.5	6.00	0.07		0.43		.6	7		FC29
15	11/23	1055A / 1105A	F. TREAT M. TREAT	14.5	7.78	0.15		1.2		.6	10		FC26
16	3/8	1100A / 1120A	WENTZ MIDDLETON	17.8	13.2	0.13		1.7		.6	9		FC29
17	3/8	253P / 310P	WENTZ MIDDLETON	10.5	3.51	0.66		2.3		.6	10		"
18	4/18	1028A / 1049A	WENTZ	11.4	7.63	2.67		20.5		.6	11		FC26
19	4/18	105P / 132P	"	21.4	19.1	1.00		19.2		.6	11		"
			SAN GABRIEL RIVER - West Fork inflow to Dam NO. 2										
3	4/18	834P / 854P	WENTZ	14.8	11.6	3.46		40.1		.6	14		"
4	9/4	140P / 155P	WENTZ YORK	3.2	0.72	0.47		0.34		.6	6		"
5	9/24	218P / 238P	WENTZ	3.7	0.59	0.40		0.20		.6	7		"
			SAN GABRIEL RIVER - West Fork at mouth of outlet tunnel Dam #2										
20	7/19	943A / 947A	MIDDLETON WENTZ	3.2	0.39	4.00		1.6	FLOAT		3		
21	9/6	138P / 140P	WENTZ	1.4	0.17	1.76		0.30	"		2		
22	9/6	200P / 205P	"	2.7	0.44	0.82		0.36	.6		4		FC26
23	9/13	945A / 946A	"	1.7	0.68	0.88		0.06	FLOAT		2		
			SAN GABRIEL RIVER - West Fork above Bear Creek										
13	10/23	910A / 930A	TREAT	9.5	13.9	0.41		5.7		.6	11		FC26
14	10/29	150P / 200P	MIDDLETON	12.0	7.00	1.10		7.7		.6	8		FC29
15	3/7	910A / 930A	WENTZ MIDDLETON	17.5	8.98	0.57		5.1		.6	10		"
16	7/19	1016A / 1022A	MIDDLETON WENTZ	6.2	2.68	1.04		2.8		.6	6		"
			BEAR CREEK above Junction with San Gabriel River										
17	10/29	236P / 245P	MIDDLETON	14.0	12.4	0.36		4.5		.6	8		FC29
18	3/7	1610A / 1625A	WENTZ MIDDLETON	14.5	5.90	1.60		9.4		.6	9		"
			SAN GABRIEL RIVER North Fork above Junction with West Fork										
20	10/29	307P / 319P	MIDDLETON	11.2	4.66	1.33		6.2		.6	10		FC29
21	3/7	1105A / 1123A	WENTZ MIDDLETON	12.9	5.51	1.58		8.7		.6	10		"
			CATTLE CANYON above Junction with San Gabriel East Fork										
3	3/7	210P / 227P	WENTZ MIDDLETON	10.3	3.63	1.89		6.8		.6	9		FC29
			SAN GABRIEL RIVER below San Gabriel Dam NO. 1										
132	11/1	125P / 144P	MIDDLETON	19.3	15.0	2.30		34.5		.6	11		FC29
133	2/6	1252P / 110P	"	21.5	16.6	3.00		49.8		.6	10		"
134	6/8	125P / 132P	"	4.5	0.92	0.61		0.56		.6	5		"
135	6/10	845A / 908A	"	TWO CHANNELS				21.6		.6	17		"
136	6/11	900A / 928A	"	"	"			28.6		.6	18		"
137	6/13	227P / 242P	"	14.0	7.41	0.92		6.8		.6	11		"
138	6/18	122P / 132P	BROWN	8.5	4.42	0.16		0.71		.6	9		FC24
139	6/20	1230P / 1240P	BROWN	9.0	4.48	0.17		0.74		.6	9		FC24
140	6/25	1040A / 1045A	"	2.5	0.52	0.72		0.38		.6	5		"
141	6/28	138P / 142P	"	2.6	0.45	0.71		0.32		.6	5		"
142	9/6	1148A / 1156A	MIDDLETON	4.0	0.85	0.94		0.80		.6	6		FC29
			SAN GABRIEL RIVER below Rogers Creek										
7	9/12	815A / 840A	STUNDEN VAN DER GOOT	63.0	125.	2.94		368.		.6	10		FC36
8	9/13	820A / 850A	STUNDEN COLE	86.0	165.	3.60		595.		.6	17		"
9	9/17	900A / 917A	WADDICOR BOLLINGER	136.	240.	2.56		615.		.6	16		FC6
10	9/18	815A / 845A	STUNDEN BOLLINGER	83.0	162.	3.05		495		.6	17		FC36
11	9/23	820A / 900A	STUNDEN BOLLINGER	74.0	135.	2.95		398.		.6	15		"
			SAN DIMAS CREEK below San Dimas Dam (outflow)										
73	11/21	1115A / 1125A	BREWSTER	4.0	2.60	0.69		1.8		.6	4		FC12
74	12/5	100P / 108P	"	4.0	2.55	0.63		1.6		.6	4		"
75	12/12	1230P / 1240P	"	4.0	2.24	0.71		1.6		.6	4		"
76	12/22	1120A / 1134A	"	28.0	41.2	0.92		38.0		.6	7		"
77	12/24	1130A / 1145A	"	26.0	30.8	1.14		35.4		.6	7		"
78	12/26	130P / 145P	"	20.0	20.6	0.63		12.9		.6	5		"
79	12/28	830A / 845A	"	14.0	5.80	0.91		5.3		.6	7		"
80	1/30	1210P / 1220P	"	4.0	1.95	0.92		1.8		.6	4		"
81	2/4	500P / 516P	"	8.0	6.50	1.63		10.6		.6	8		"
82	2/5	710A / 730A	"	8.0	6.40	1.64		10.5		.6	8		"
83	2/13	1205P / 1220P	"	8.0	3.90	0.77		3.0		.6	8		"
84	2/20	112P / 130P	"	8.0	3.92	0.71		2.8		.6	8		"
85	2/27	1138A / 1156A	"	8.0	3.89	0.69		2.7		.6	8		"
86	3/6	105P / 120P	"	8.0	3.78	0.66		2.5		.6	8		"
87	3/13	1130A / 1148A	"	8.0	4.61	0.95		4.4		.6	8		"
88	3/27	1139A / 1148A	"	4.0	1.71	0.70		1.2		.6	4		"
89	5/1	100P / 110P	"	4.0	1.56	0.90		1.4		.6	4		"
90	5/8	1140A / 1150A	"	4.0	1.78	1.12		2.0		.6	4		"
91	5/15	1215P / 1225P	BREWSTER	4.0	1.76	1.14		2.0		.6	4		FC12
92	5/22	1050A / 1100A	"	4.0	1.71	1.17		2.0		.6	4		"
93	5/29	1100A / 1110A	"	4.0	1.84	1.08		2.0		.6	4		"
94	6/6	1211A / 1220A	"	4.0	1.83	1.04		1.9		.6	4		"
95	6/12	1150A / 1158A	"	4.0	1.92	0.99		1.9		.6	4		"
96	6/19	1110A / 1120A	"	4.0	2.00	1.20		2.4		.6	4		"
97	6/26	1255P / 105P	"	4.0	2.02	1.19		2.4		.6	4		"
98	7/3	1231P / 1240P	"	4.0	1.99	1.21		2.4		.6	4		"
99	7/10	100P / 112P	"	4.0	2.06	1.36		2.8		.6	4		"
100	7/17	1105A / 1115A	"	4.0	2.04	1.27		2.6		.6	4		"
101	7/24	320P / 330P	"	4.0	1.89	1.27		2.4		.6	4		"
102	7/31	1100A / 1110A	"	4.0	1.88	1.44		2.7		.6	4		"
103	8/14	1045A / 1050A	BOMADIMAN	4.0	1.66	1.14		1.9		.6	4		"
104	8/28	205P / 215P	BREWSTER	4.0	1.78	1.12		2.0		.6	4		"
105	9/4	1135A / 1145A	"	4.0	1.85	1.14		2.1		.6	4		"
106	9/10	135P / 145P	"	4.0	1.76	1.14		2.0		.6	4		"
107	9/18	140P / 150P	"	4.0	1.73	1.22		2.1		.6	4		"
108	9/25	1217P / 1229P	"	5.0	2.61	1.72		4.5		.6	5		"
			LIVE OAK CREEK below Live Oak Dam										
93	1/2	326P / 335P	BREWSTER	4.0	2.25	0.89		2.0		.6	4		FC12
94	12/26	300P / 310P	"	4.0	2.45	0.78		1.9		.6	4		"
95	6/12	109P / 115P	"	2.0	0.96	1.04		1.0		.6	4		"
96	6/19	1240P / 1250P	"	2.5	1.01	0.92		0.93		.6	5		"
97	6/26	229P / 235P	"	1.5	0.39	0.95		0.37		.6	3		"
98	7/3	230P / 235P	"	1.0	0.16	0.50		0.08		.6	2		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

~~AT~~ NEAR Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 19 47

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER-WEST FORK, above Devils Creek										
21	12-17	210P / 220P	WENTZ - DE VORE	9.1	4.77	2.44		11.6		.6	8		FC26
22	1-1	1111A / 1142A	WENTZ	17.0	18.9	3.90		73.7		.6	16		FC32
23	1-7	320P / 333P	MIDDLETON-WENTZ	14.5	11.0	3.73		41.0		.6 EST	8		FC18
24	1-8	924A / 940A	WENTZ	15.5	9.61	4.24		40.8		.6	9		FC26
25	1-9	928A / 955A	"	15.0	10.7	3.16		34.2		.6	15		"
26	1-10	913A / 941A	"	14.8	10.4	3.07		32.1		.6	15		"
27	1-11	914A / 937A	"	14.6	10.2	3.07		31.4		.6	15		"
			DEVILS CREEK, above Junction with San Gabriel River										
20	12-17	259P / 309P	WENTZ - DEVORE	8.6	4.31	1.64		7.1		.6	7		FC26
21	12-31	110P / 130P	MIDDLETON - WENTZ	21.0	20.0	2.48		49.6		.6	13		FC18
22	1-1	1240P / 106P	WENTZ	21.5	17.9	2.52		45.1		.6	13		FC32
23	1-7	345P / 355P	MIDDLETON-WENTZ	11.5	7.70	2.52		19.4		.6	9		FC18
24	1-8	955A / 1011A	WENTZ	11.5	7.94	2.29		18.2		.6	11		FC26
25	1-9	1004A / 1022A	"	11.5	7.94	2.26		18.0		.6	11		"
26	1-10	952A / 1008A	"	11.4	7.65	2.21		17.0		.6	11		"
27	1-11	954A / 1017A	"	11.3	7.66	2.16		16.6		.6	11		"
			SAN GABRIEL RIVER-WEST FORK, Inflow to Dam No. 2										
6	1-13	1021A / 1040A	MIDDLETON-DE VORE	16.0	14.9	3.32		49.4		.6	14		FC29
7	1-14	1132A / 1155A	WENTZ	15.8	15.2	3.14		47.7		.6	15		FC26
8	1-15	1118A / 1142A	"	15.3	14.7	3.01		44.8		.6	14		"
9	1-16	1056A / 1114A	"	15.0	13.9	2.99		41.6		.6	14		FC32
10	1-17	913A / 940A	"	15.0	13.8	2.77		38.1		.6	15		"
11	1-18	927A / 957A	"	15.0	13.9	2.55		35.6		.6	15		"
12	1-21	904A / 928A	"	15.3	13.8	2.40		33.2		.6	15		"
13	1-23	1110A / 1134A	"	15.0	13.1	2.39		31.3		.6	14		FC26
14	1-25	940A / 1005A	"	14.4	10.7	2.43		26.1		.6	14		"
15	1-28	926A / 950A	"	15.0	12.8	2.45		31.4		.6	15		"
16	1-30	118P / 134P	"	10.0	7.88	3.35		26.6		.6	10		"
17	2-1	1100A / 1118A	"	10.0	7.75	3.46		27.1		.6	10		"
18	2-4	143P / 201P	"	11.5	9.29	2.58		24.0		.6	10		"
19	2-6	1145P / 1159A	"	13.0	7.80	2.79		21.8		.6	7		"
20	2-8	210P / 221P	"	14.0	8.52	2.38		20.3		.6	7		"
21	2-11	928A / 954A	"	14.6	7.10	3.29		23.4		.6	15		"
22	2-13	906A / 928A	"	13.5	8.43	2.70		22.8		.6	13		"
23	2-15	932A / 955A	"	11.4	7.67	2.75		21.1		.6	12		"
24	2-18	126P / 144P	"	11.1	7.09	2.71		19.3		.6	11		"
25	2-21	915A / 937A	"	10.7	7.05	2.79		19.7		.6	11		"
26	2-25	1052A / 1110A	"	10.8	7.44	2.37		17.7		.6	11		"
27	2-27	1058A / 1115A	"	12.3	9.27	1.84		17.1		.6	12		"
28	2-28	912A / 935A	"	11.9	8.78	1.86		17.4		.6	12		"
29	3-4	106P / 125P	"	15.5	10.8	1.61		17.4		.6	11		"
30	3-7	907A / 928A	"	13.0	9.72	1.59		15.5		.6	13		"
31	3-11	226P / 248P	"	12.3	8.59	1.70		14.6		.6	13		"
32	3-14	907A / 929A	"	10.9	6.88	1.97		13.6		.6	11		FC26
33	3-18	134P / 157P	"	10.3	5.43	2.24		12.2		.6	10		"
34	3-21	904A / 923A	"	10.8	6.55	2.48		16.3		.6	11		"
35	3-25	1257P / 114P	"	10.3	6.03	2.28		13.8		.6	10		"
36	3-28	905A / 927A	"	11.8	8.31	2.70		22.4		.6	13		"
37	4-1	144P / 200P	"	10.0	6.66	2.27		15.1		.6	10		"
38	4-4	1205P / 1219P	"	10.5	6.53	2.27		14.8		.6	11		"
39	4-8	112P / 126P	"	9.3	5.36	2.13		11.4		.6	9		"
40	4-15	113P / 133P	"	10.3	5.91	1.68		9.9		.6	11		"
41	4-22	205P / 221P	"	9.2	4.22	2.30		9.7		.6	9		"
42	4-29	215P / 233P	"	8.6	4.26	2.16		9.2		.6	10		"
43	5-6	339P / 353P	DE VORE	8.1	4.17	1.66		6.9		.6	10		"
44	5-20	134P / 154P	WENTZ	8.4	4.05	1.21		4.9		.6	12		"
45	6-3	204P / 224P	"	6.3	3.16	1.71		5.4		.6	10		"
46	6-6	942A / 1003A	"	6.7	3.48	1.38		4.8		.6	12		"
47	6-17	145P / 203P	"	6.1	2.40	1.16		2.8		.6	11		"
48	7-21	1045A / 1052A	MIDDLETON	4.0	1.34	0.34		0.45		.6	6		FC29
			SAN GABRIEL RIVER-NORTH FORK, above junction with West Fork										
22	3-31	420P / 432P	MIDDLETON	14.7	9.47	1.49		14.1		.6	10		FC29
23	5-26	1152A	"	11.0	5.55	1.55		8.6		.6	10		"
			SAN GABRIEL RIVER, below San Gabriel Dam No. 1										
143	11-18	945A / 1013A	MIDDLETON	40.5	59.4	0.73		43.4		.6	17		FC29
144	2-7	900A / 914A	MIDDLETON-HOOKER	27.5	7.95	0.69		5.5		.6	10		"
145	5-20	1050A / 1103A	MIDDLETON	TWO CHANNELS				0.81		.6	11		"
			ROGERS CREEK, above junction with San Gabriel River										
7	12-31	315P / 320P	MOON	10.0	8.60	2.18		18.7		.6	5		FC22
			FISH CREEK, at mouth of canyon										
5	12-31	230P / 240P	MOON	16.0	11.2	1.88		21.0		.6	7		FC22
			BIG DALTON CREEK, Inflow to F.C. Dam										
3	1-7	305P / 320P	BREWSTER	TWO CHANNELS				2.1		.6	5		FC12
4	2-11	1020A / 1030A	"	4.0	1.07	0.79		0.85		.6	4		"
5	3-13	1045A / 1105A	"	TWO CHANNELS				0.68		.6	6		"
6	4-23	850A / 910A	"	"	"			0.37		.6	5		"
7	5-15	900A / 915A	"	"	"			0.31		.6	4		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT ~~NEAR~~ Miscellaneous points DURING THE YEAR ENDING SEPTEMBER 30, 1947

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG DALTON CREEK, Inflow to Spreading Area										
22	12-31	305P / 315P	BREWSTER	6.0	3.65	3.29		12.0		.6	4		FC12
			SAN DIMAS CREEK, above San Dimas Dam										
14	1-8	140P / 152P	BREWSTER	6.0	3.60	1.67		6.0		.6	6		FC12
15	2-11	1115A / 1127A	"	7.0	3.76	1.41		5.3		.6	5		"
16	3-6	120P / 134P	"	7.0	3.78	1.19		4.5		.6	7		"
17	4-17	1033A / 1045A	"	6.0	2.78	0.79		2.2		.6	6		"
18	5-14	1034A / 1046A	"	5.0	2.40	0.88		2.1		.6	5		"
19	6-24	1050A / 1100A	WADDICOR	4.4	1.25	0.62		0.78		.6	5		FC37
20	7-23	1144A / 1152A	BREWSTER	1.5	0.38	0.92		0.35		.6	3		FC12
21	8-13	1050A / 1055A	"	0.5	0.13	0.85		0.11		.6	1		"
22	9-10	1210P / 1215P	"	0.5	0.13	1.08		0.14		.6	1		"
			SAN DIMAS CREEK, below San Dimas Dam (outflow)										
109	10-9	120P / 130P	BREWSTER	5.0	2.38	1.51		3.6		.6	5		FC12
110	10-16	1140A / 1150A	"	4.0	2.25	1.73		3.9		.6	4		"
111	10-23	1205P / 1215P	"	4.0	1.98	1.31		2.6		.6	4		"
112	11-6	1220P / 1230P	"	4.0	1.93	1.29		2.5		.6	4		"
113	11-14	715A / 730A	"	20.0	19.1	1.53		29.2		.6	7		"
114	11-21	800A / 816A	"	26.0	32.6	1.88		61.2		.6	9		"
115	11-24	920A / 940A	BREWSTER JOHNSON	19.0	18.0	1.42		25.5		.6	7		"
116	12-20	452P / 510P	BREWSTER	17.0	9.35	0.87		8.1		.6	9		"
117	12-25	310P / 330P	"	20.0	23.2	2.32		53.9		.6	10		"
118	1-8	230P / 240P	"	5.0	2.70	1.22		3.3		.6	5		"
119	1-28	400P / 418P	"	18.0	12.9	0.81		10.5		.6	9		"
120	2-5	1055A / 1107A	"	5.0	2.86	1.33		3.8		.6	5		"
121	6-24	1020A / 1030A	WADDICOR	4.8	1.25	1.04		1.3		.6	6		FC37
122	9-8	418P / 430P	BREWSTER	5.0	3.68	1.60		5.9		.6	5		FC12
123	9-10	1225P / 1237P	"	5.0	3.46	1.53		5.3		.6	5		"
			SAN DIMAS WASH, above Puddingstone Diversion Dam										
12	2-12	1145A / 1155A	BREWSTER	9.0	3.55	0.70		2.5		.6	5		FC12
			LIVE OAK CREEK, below Live Oak Dam										
99	12-30	850A / 900A	BREWSTER	4.0	1.24	1.69		2.1		.6	4		FC12
100	1-2	1100A / 1108A	"	3.0	1.90	1.05		2.0		.6	3		"
101	1-8	207P / 315P	"	4.0	2.03	0.89		1.8		.6	4		"
102	5-14	1209P / 1219P	"	2.0	0.88	1.02		0.90		.6	4		"
103	5-22	1055A / 1100A	"	0.5	0.12	0.50		0.06		.6	1		"
			SAN JOSE CREEK, at Pomona Boulevard (sewer outflow)										
1	3-12	1048A / 1100A	BREWSTER	6.0	2.93	1.81		5.3		.6	6		FC12
2	3-19	1100A / 1115A	"	6.0	2.64	1.86		4.9		.6	6		"
			SAN JOSE CREEK, at Lemon Avenue										
1	3-12	1130A / 1140A	BREWSTER	8.0	3.16	1.58		5.0		.6	4		FC12
2	3-19	1135A / 1150A	"	6.0	2.41	1.74		4.2		.6	6		"

TABLE IX

PERCOLATION LOSSES ON COMPTON CREEK
BASED ON METER MEASUREMENTS

1946-47

DATE	600' BELOW GREENLEAF DR.	INFLOW 100' BELOW P.E.R.R. TRACKS	LOSS CFS	ALAMEDA STREET	LOSS CFS	DOMINGUEZ JUNCTION	LOSS CFS	JUNCTION WITH L.A. RIVER	LOSS CFS
3-11-47	6.57	0.06	+0.06	6.63	0	6.52	0.11	5.11	1.41

PERCOLATION LOSSES ON SANTA ANITA CREEK
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1946-47

DATE	FLOW @ SANTA ANITA CREEK & FOOTHILL BLVD.	FLOW AT DUARTE ROAD	LOSS CFS	FLOW AT ARROW HIGHWAY	LOSS CFS
11-21	143	115	28	93.9	21.1

PERCOLATION LOSSES ON SAN GABRIEL RIVER AND RIO HONDO IN MAIN BASIN
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE 1945-46	SAN GABRIEL RIVER BELOW MORRIS DAM	SAN GABRIEL RIVER AT FOOTHILL BOULEVARD	LOSS CFS	RIO HONDO BELOW SANTA FE DAM	LOSS CFS	RIO HONDO ABOVE PEOK ROAD	LOSS CFS	RIO HONDO @ LOWER AZUSA ROAD	LOSS CFS	REMARKS
1-3	491	450	41	407	43	309	98	205**	104	** FLOW NOT STABILIZED.
1-4	491*	455*	36	412	43	-	-	252	160	*FROM DAM & RECORDER RECORDS.
1-7	368	343	35*	304	39	232	72	186	46	*10.0 C.F.S. IN FLOW FROM DUARTE DITCH RETURN.
1-9	289	270	19	241	29	171	70	148	23	
1-16	289	277	17*	254	23	189	65	161	28	*5.0 C.F.S. INFLOW FROM DUARTE DITCH RETURN.
1-18	214	219	0*	196	23	132	64	109	23	
9-11	439	369	70	348	21	-	-	112	236	
9-12	398	369	29	341	28	237	104	-	-	
9-13	595	530	65	474	56	386	88	-	-	
9-17	615	559	56	527	32	-	-	-	-	
9-18	495	478	17	437	41	316	121	-	-	
9-23	398	376	22	359	17	238	121	163	75	
1946-47										
12-4	-	-	-	287	-	224	63	170	54	
12-11	-	-	-	255	-	183	72	150	33	

PERCOLATION LOSSES ON THE RIO HONDO IN COASTAL BASIN
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE	RIO HONDO @ MISSION BRIDGE	RIO HONDO @ LA MERCED COMPROMISE LINE	LOSS CFS	RIO HONDO ABOVE MISSION CREEK	LOSS CFS	ADDITIONAL FLOW FROM MISSION CREEK	RIO HONDO BELOW MISSION CREEK	LOSS CFS	RIO HONDO BELOW WHITTIER BOULEVARD	LOSS CFS	RIO HONDO @ MONTEBELLO STORM DRAIN	LOSS CFS	CATE DITCH RETURN	RIO HONDO @ WASHINGTON BOULEVARD	LOSS CFS	RIO HONDO @ SANTA FE RAILROAD	LOSS CFS	RIO HONDO @ TELEGRAPH ROAD	LOSS CFS	REMARKS
10-24	23.9	18.9	5.0	-	-	20.9	39.7*	0.10	14.0	4.6	0	14.0	-	-	-	-	-	-	-	*21.1 C.F.S. DIVERTED TO ARROYO DITCH.
5-14	23.4	19.1	4.3	21.7	+2.6	23.1	-	-	20.9	5.6	8.2	12.7	+ 2.0	-	-	0	10.2	-	-	18.3 C.F.S. DIVERTED TO ARROYO DITCH.
6-25	19.6	16.5	3.1	-	-	17.8	35.2	+0.9	14.4	+ 0.8	0	14.4	-	-	-	-	-	-	-	21.6 C.F.S. DIVERTED TO ARROYO DITCH.
7-24	20.7	18.9	1.8	-	-	13.9	30.8	2.0	33.8	+ 3.0	0	33.8								
1946-47																				
3-3	26.6	25.0	1.6	-	-	26.2	50.0	1.2	44.3	5.7	31.2	13.1	-	24.8	6.4	9.9	14.9	0	14.9	ARROYO DITCH DRY
4-14	20.7	18.2	2.5	-	-	18.3	34.6	1.9	13.3	7.2	0	7.2	-	-	-	-	-	-	-	14.1 C.F.S. DIVERTED TO ARROYO DITCH

PERCOLATION LOSSES ON LITTLE DALTON WASH
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE 1945-46	FLOW AT BROADWAY	FLOW AT VINCENT AVENUE	LOSS CFS	FLOW AT MERCED AVENUE	LOSS CFS	REMARKS
4-19	1.9	0	1.9	-	-	END OF PERC. ½ MI. BELOW VINCENT AVE.
4-23	1.3	0	1.3	-	-	
5-21	0.93	0	0.93	-	-	END OF PERC. 1200' ABOVE VINCENT AVE.
5-28	3.2	-	-	0	3.2	END OF PERC. 1700' BELOW MERCED
6-3	1.1	0	1.1	-	-	END OF PERC. 700' BELOW VINCENT AVE.
6-18	0.71	0	0.71	-	-	END OF PERC. 1500' ABOVE VINCENT AVE.
6-25	1.1	0	1.1	-	-	END OF PERC. 900' BELOW VINCENT AVE.
7-2	0.88	0	0.88	-	-	END OF PERC. 150' ABOVE VINCENT AVE.
7-9	0.78	0	0.78	-	-	END OF PERC. 500' ABOVE VINCENT AVE.
7-23	0.80	0	0.80	-	-	END OF PERC. 400' ABOVE VINCENT AVE.
7-30	1.1	0	1.1	-	-	END OF PERC. 1000' ABOVE VINCENT AVENUE
8-6	0.12	0	0.12	-	-	END OF PERC. 400' ABOVE VINCENT AVE.
8-19	0.22	0	0.22	-	-	END OF PERC. 600' BELOW BROADWAY
9-3	1.1	0	1.1	-	-	END OF PERC. 700' BELOW VINCENT AVE.
9-10	0.67	0	0.67	-	-	END OF PERC. 2000' ABOVE VINCENT AVE.
9-18	0.57	0	0.57	-	-	END OF PERC. 3000' ABOVE VINCENT AVE.
9-25	0.88	0	0.88	-	-	END OF PERC. 400' ABOVE VINCENT AVE.

PERCOLATION LOSSES ON BIG DALTON WASH
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE 1945-46	FLOW AT BEN LOMOND AVENUE	FLOW AT CITRUS AVENUE	LOSS CFS	FLOW AT CERRITOS AVENUE	LOSS CFS	FLOW AT AZUSA AVENUE	LOSS CFS	REMARKS
4-19	6.7	-	-	-	-	0	6.7	END OF PERC. ¼ MI. BELOW AZUSA AVE.
4-23	6.3	0	6.3	-	-	-	-	
4-25	12.7	-	-	0	12.7	-	-	
5-2	8.5	0	8.5	-	-	-	-	END OF PERC. 900' BELOW CITRUS AVE.
5-13	5.7	0	5.7	-	-	-	-	END OF PERC. 1100' BELOW CITRUS AVE.
5-21	6.9	-	-	0	6.9	-	-	END OF PERC. 1000' ABOVE CERRITOS AVE.
5-28	10.3	-	-	-	-	0	10.3	
6-3	7.3	-	-	0	7.3	-	-	END OF PERC. 600' ABOVE CERRITOS AVE.
6-11	1.0	0	1.0	-	-	-	-	
6-18	2.4	0	2.4	-	-	-	-	END OF PERC. 400' ABOVE CITRUS AVE.
7-2	1.1	0	1.1	-	-	-	-	
7-30	2.9	0	2.9	-	-	-	-	
9-3	5.5	-	-	0	5.5	-	-	END OF PERC. ¼ MI. ABOVE CERRITOS AVE.
9-10	2.9	0	2.9	-	-	-	-	

PERCOLATION LOSSES ON SAN DIMAS WASH
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE 1945-46	SAN DIMAS WASH ½ MI. ABOVE GRAND AVE.	FLOW @ GRAND AVENUE	LOSS CFS	FLOW @ BEN LOMOND AVENUE	LOSS CFS	FLOW @ CITRUS AVENUE	LOSS CFS	FLOW @ CERRITOS AVENUE	LOSS CFS	FLOW @ AZUSA AVENUE	LOSS CFS	REMARKS
4-19	2.5	0	2.5	-	-	-	-	-	-	-	-	
4-23	7.0	0	7.0	-	-	-	-	-	-	-	-	END OF PERC. 50' BELOW GRAND AVE.
4-25	13.2	0	13.2	-	-	-	-	-	-	-	-	END OF PERC. 650' BELOW GRAND AVE.
4-26	14.8	-	-	-	-	0	14.8	-	-	-	-	END OF PERC. ½ MI. BELOW CITRUS AVE.
5-2	8.0	-	-	0	8.0	-	-	-	-	-	-	END OF PERC. 400' ABOVE BEN LOMOND AVE.
5-13	7.5	-	-	-	-	-	-	0	7.5	-	-	END OF PERC. ¼ MI. BELOW CERRITOS AVE.
5-21	9.4	-	-	-	-	-	-	0	9.4	-	-	END OF PERC. 1600' BELOW CERRITOS AVE.
5-28	6.9	-	-	-	-	-	-	0	6.9	-	-	END OF PERC. 200' ABOVE CERRITOS AVE.
6-3	8.1	-	-	-	-	-	-	-	-	0	8.1	END OF PERC. 600' BELOW AZUSA AVE.
6-11	9.0	-	-	-	-	-	-	0	9.0	-	-	END OF PERC. 900' BELOW CERRITOS AVE.
6-18	10.9	-	-	-	-	0	10.9	-	-	-	-	END OF PERC. 1800' BELOW CITRUS AVE.
6-25	4.6	0	4.6	-	-	-	-	-	-	-	-	END OF PERC. 300' BELOW GRAND AVE.
7-2	3.2	0	3.2	-	-	-	-	-	-	-	-	END OF PERC. 340' BELOW GRAND AVE.
7-9	3.5	0	3.5	-	-	-	-	-	-	-	-	END OF PERC. 350' BELOW GRAND AVE.
7-16	5.5	0	5.5	-	-	-	-	-	-	-	-	END OF PERC. 500' BELOW GRAND AVE.
7-23	4.8	0	4.8	-	-	-	-	-	-	-	-	END OF PERC. 375' BELOW GRAND AVE.
8-19	3.8	0	3.8	-	-	-	-	-	-	-	-	END OF PERC. 400' BELOW GRAND AVE.
9-3	5.7	0	5.7	-	-	-	-	-	-	-	-	END OF PERC. 400' BELOW GRAND AVE.
9-18	5.1	0	5.1	-	-	-	-	-	-	-	-	END OF PERC. 600' BELOW GRAND AVE.

PERCOLATION LOSSES ON WALNUT CREEK
BASED ON METER MEASUREMENTS & RECORDER STATIONS

1945-46

DATE	FLOW BELOW PUDDINGSTONE DAM	FLOW ABOVE COVINA PIPE LINE	LOSS CFS	FLOW @ HIGHWAY #99	LOSS CFS	FLOW @ BARRANCA	LOSS CFS	FLOW @ CITRUS	LOSS CFS	FLOW @ AZUSA AVENUE	LOSS CFS	FLOW @ LARK ELLEN	LOSS CFS	FLOW @ GLENDORA AVENUE	LOSS CFS	FLOW @ SUNSET	LOSS CFS	FLOW @ ORANGE	LOSS CFS	REMARKS
4-23	-	-	-	-	-	7.0	-	-	-	0	7.0	-	-	-	-	-	-	-	-	END OF PERC. 1000' ABOVE AZUSA AVENUE
5-21	-	-	-	3.4	-	-	-	-	-	-	-	0	3.4	-	-	-	-	-	-	END OF PERC. ¼ MI. ABOVE LARK ELLEN
5-28	-	-	-	2.8	-	-	-	-	-	-	-	0	2.8	-	-	-	-	-	-	END OF PERC. 400' ABOVE LARK ELLEN
6-3	-	-	-	4.3	-	-	-	-	-	-	-	-	-	0	4.3	-	-	-	-	END OF PERC. 1000' BELOW GLENDORA AVE.
6-11	-	-	-	1.2	-	-	-	0	1.2	-	-	-	-	-	-	-	-	-	-	END OF PERC. 700' ABOVE CITRUS
6-18	-	-	-	1.5	-	-	-	0	1.5	-	-	-	-	-	-	-	-	-	-	END OF PERC. 1100' BELOW CITRUS
6-25	-	-	-	2.1	-	-	-	-	-	0	2.1	-	-	-	-	-	-	-	-	END OF PERC. 2000' ABOVE AZUSA AVE.
7-9	-	-	-	5.0	-	-	-	-	-	-	-	0	5.0	-	-	-	-	-	-	END OF PERC. ¼ MI. ABOVE LARK ELLEN
7-16	-	-	-	4.2	-	-	-	-	-	0	4.2	-	-	-	-	-	-	-	-	END OF PERC. 300' ABOVE AZUSA AVENUE
7-30	-	-	-	7.1	-	-	-	-	-	-	-	0	7.1	-	-	-	-	-	-	END OF PERC. 100' BELOW LARK ELLEN
8-6	-	-	-	7.9	-	-	-	-	-	-	-	0	7.9	-	-	-	-	-	-	END OF PERC. 800' BELOW LARK ELLEN
8-12	23.7	13.9	9.8	12.6	1.3	10.8	1.8	-	-	3.8	7.0	-	-	1.2	2.6	0	1.2	-	-	END OF PERC. 900' BELOW SUNSET
8-19	18.1	12.1	6.0	-	-	10.9	1.2	-	-	3.0	7.9	-	-	0.16	2.8	0	0.16	-	-	END OF PERC. 200' BELOW SUNSET
8-26	22.6	17.4	5.2	-	-	11.6	5.8	-	-	7.2	4.4	-	-	2.9	4.3	1.9	1.0	1.4	0.50	END OF PERC. 1200' ABOVE PUENTE AVE.
8-27	24.1	-	-	18.6	5.5	-	-	-	-	-	-	-	-	4.9	13.7	-	-	-	-	END OF PERC. 100' BELOW BIG DALTON AVE.
9-3	22.1	-	-	15.8	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	END OF PERC. 900' BELOW WILLOW
9-10	29.8	-	-	19.3	10.5	-	-	-	-	-	-	-	-	-	-	-	-	0	10.5	END OF PERC. 500' ABOVE ORANGE

TABLE X

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30.						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
ALHAMBRA WEST WASH at S.P.R.R. Main Line (Drainage area 3.5 square miles)											F103R
1930-31	12	89	0	0.93	675	4	26	648			
1931-32	19	80	0	1.04	756	11	27	455			
ABANDONED 4-10-32											
ALHAMBRA EAST WASH at S.P.R.R. Main Line (Drainage area 6.85 square miles)											F102R
1930-31	7	134	0	1.20	871	4	26	930			
1931-32	17	101	0	1.40	1010	11	27	625			
ABANDONED 4-10-32											
ALHAMBRA WASH near Short Street (Drainage area 14.5 square miles)											F81D-R
1929-30	1		0		*635	3	14	1870			
1930-31	1	226	0	2.05	1480	2	3	1530			
1931-32	15	220	0	2.68	1940	1	31	1120			
1932-33	41	418	0	2.32	1680	1	19	1850			
1933-34	41	1770	0	8.04	5820	1	1	4890			
1934-35	52	219	0	3.29	2380	1	5	2280			
1935-36	52	144	0	1.95	*1420	2	12	1700			
1936-37	82	309	0	5.36	3880	3	15	2470			
1937-38	82	997	0	7.62	5520	3	2	3670	2	28	3090
1938-39	62	288	0	4.14	2990	1	5	1760	9	25	750
1939-40	58	130	0	2.39	1730	2	1	912			
1940-41	38	219	0	7.81	5650	3	3	1470			
1941-42	32	193	0	2.50	1810	12	10	1650			
1942-43	38	893	0	8.38	6070	3	4	4480			
1943-44	31	454	+	5.65	4100	2	22	1860			
1944-45	31	199	0.1	3.11	2250	11	11	2220			
1945-46		342	0.1	4.14	3000	12	22	1600			
1946-47		345	0.1	5.20	3800	11	13	3810			
		17 YEAR MEAN DAILY 4.51									
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.											
ALTSU WASH at Nordhoff Street (Drainage area 7.15 square miles)											F152R
1939-40	59	21	0	0.23	167	1	8	285			
1940-41	39	290	0	5.74	4150	2	20	N.D.			
1941-42	33	7.0	0	0.04	33	12	28	55			
1942-43	39	449	0	3.66	2640	1	22	1750			
1943-44	32	326	0	1.68	1220	2	22	1600			
1944-45	32	39	0	0.23	167	2	2	282			
1945-46		73	0	0.45	323	12	21	1140			
1946-47		26	0	0.32	230	12	25	290			
ARROYO SECO below Devil's Gate Dam (Drainage area 32.5 square miles)											P277-R
1942-43	42	3190	0	33.0	24,000	1	23	5640			
1943-44	35	944	0	11.5	8270	2	20	1540			
1944-45	35	187	0.1	3.52	2560	3	15	610			
1945-46		272	0	2.17	1580	12	23	445			
1946-47		410	0	5.73	4140	12	27	610			
BALLONA CREEK at Sawtelle Boulevard (Drainage area 111 square miles)											F38B-R
1927-28	60		0		*3930	5	8	*1100			
1928-29	204	1150	0	20.6	14900	3	10	4990			
1929-30	7	1130	0	18.6	13480	1	11	4460			
1930-31	17	1500	0	25.6	18520	4	26	6280			
1931-32	21	1780	0	30.0	21790	12	28	6130			
1932-33	44	1660	0	21.8	15810	1	19	7000			
1933-34	44	4310	0	28.5	20630	1	1	11300			
1934-35	57	2190	0	34.4	24870	4	8	11200			
1935-36	57	929	0	18.5	*13460	2	12	8070			
1936-37	84	2160	0	56.2	40680	12	30	8940			
1937-38	84	7330	3.6	72.5	52500	3	2	19000	2	28	15280
1938-39	64	3080	1.8	39.4	28490	12	17	9900	9	25	9200
1939-40	61	1270	1.3	29.1	21110	2	3	9730			
1940-41	41	2680	3.1	93.0	67360	12	23	17310			
1941-42	34	990	2.8	23.8	17250	12	10	7500			
1942-43	44	4840	2.6	47.3	34240	1	22	13210			
1943-44	37	3010	3.4	45.4	33000	2	22	8800			
1944-45	37	1200	E 3.0	33.8	24450	11	11	9380			
1945-46		1830	3.8	25.4	18380	12	22	7750			
1946-47		1960	2.8	36.3	26300	12	25	9630			
		19 YEAR MEAN DAILY 36.8									
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.											
BIG DALTON CREEK below Big Dalton Dam (Drainage area 4.8 square miles)											F120R
1940-41	45	66	0	3.99	2890	3	5	67			
1941-42	37	2.8	0	0.32	235			N.D.			
1942-43	46	103	0	4.40	3180	3	4	111			
1943-44	39	35	0	1.60	1160	2	23	56			
1944-45	39	13	0	1.16	842	3	15	34			
1945-46		5.0	0	0.76	549	12	23	34			
1946-47		11.	0	0.75	545	10	3	30 EST			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
DALTON WASH at Merced Avenue (Drainage area 28. square miles)											F274R
1940-41	46	206	0	5.30	3840	3	13	674			
1941-42	38	42	0	1.01	727	12	10	230			
1942-43	49	336	0	4.83	3500	1	22	1230			
1943-44	42	418	0	2.23	1620	2	22	2650			
1944-45	41	144	0	1.24	894	11	11	1740			
1945-46		228	0	2.22	1610	12	23	1450			
1946-47		52	0	1.36	984	11	23	328			
BIG TUJUNGA CREEK above Edison Road (Drainage area 67 square miles)											F111B-R
1930-31	39	65	0	1.99	1440	2	5	216			
1931-32	31	954	0	14.8	10250	2	8	3910			
1932-33	55	108	0	3.59	2600	1	19	324			
1933-34	55	707	0	4.26	3090	1	1	1520			
1934-35	69	296	0	13.3	9600	4	8	640			
1935-36	69	60	0	3.20	2330	2	12	159			
1936-37	88	707	+	26.9	19440	2	6	1030			
1937-38	88	E 8200	0.8	63.0	45600	3	2	N.D.	3	1	2480
1938-39	66	345	0.9	10.9	7920	12	19	543	9	25	400
1939-40	64	276	0.2	7.62	5530	1	8	N.D.			
1940-41	46	1120	0.8	67.3	48710	2	20	1380			
1941-42	39	57	0.6	8.20	5930	12	10	112			
1942-43	51	4510	0.8	61.7	44670	1	23	14800			
1943-44	43	2240	2.5	50.2	36470	2	22	3300			
1944-45	42	500	1.1	14.2	10300	11	11	1870			
1945-46		1074	0.7	13.2	9570	3	30	1800			
1946-47		634	0.1	15.6	11260	12	26	1498			
		17 YEAR MEAN DAILY 22.4									
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.											
BIG TUJUNGA - MILL CREEK above Mouth (Drainage area 21.1 square miles)											F112R
1930-31	145	1.3	0	0.19	139	4	26	1.7			
1931-32	70	291.	0	3.02	2190	2	9	512.			
1932-33	126	6.9	0	0.40	294	1	19	20.			
1933-34	126	58.	0	0.43	308	1	1	179.			
ABANDONED 11-26-34											
BIG TUJUNGA - FOX CREEK above Mouth (Drainage area 9.4 square miles)											F110R
1930-31	75	3.8	0.04	0.32	235	2	4	6.9			
1931-32	43	285.	0.02	3.46	2510	2	8	400.			
1932-33	88	21.	0.01	0.78	565	1	19	115			
1933-34	88	89.	0.01	0.98	710	1	1	215			
1934-35	80	29.	+	1.63	1180	10	18	314.			
1935-36	80	32.	+	1.06	775	2	2	410			
1936-37	92	117	+	5.27	3810	12	27	270			
1937-38	92				*	3	2	N.D.			
ABANDONED 2-7-38											
BIG TUJUNGA CREEK below Big Tujunga Dam No. 1 (Drainage area 81.7 square miles)											F168R
1932-33	59	38	0.5	6.19	4480	1	19	58			
1933-34	59	15	0.2	5.93	4290	1	1	44			
1934-35	66	339	0.6	14.9	10760	4	8	547			
1935-36	66	40	0.2	7.53	5470	11	18	101			
1936-37	94	385	0.1	35.7	25860	2	16	385			
1937-38	94				*	3	2	E 33000			N.D.
1938-39	68	E 263	0.7	12.6	9110	12	23	424	9	25	2.6
1939-40	66	285	0.2	9.92	7200	1	8	747			
1940-41	50	1080	0.2	81.6	59100	2	21	1590			
1941-42	40	47	1.0	10.7	7770	12	31	47			
1942-43	53	6640	0.2	73.1	52910	1	23	17700			
1943-44	45	E 2300	E 0.3	57.5	41400	2	22	3310			
1944-45	44	241	0.8	16.9	12240	11	13 & 14	E 300			
1945-46		491	0.6	17.1	12400	3	30	983			
1946-47		460	0.7	17.7	12790	12	26	501			
BIG TUJUNGA CREEK above Gold Canyon (Drainage area 106 square miles)											F213R
1932-33	62	488	1.1	10.5	7590	1	19	1390			
1933-34	62	634	0.9	10.6	7700	1	1	1450			
1934-35	72	354	2.6	20.5	14840	4	8	671			
1935-36	72	150	2.4	10.5	7640	2	2	494			
1936-37	98	423	1.0	50.1	36260	12	27	495			
1937-38	98	E 13000	2.5	116.	83960	3	2	E 50000	3	1	1180
1938-39	70	316	3.5	18.8	13640	12	20	380	9	25	117
1939-40	67	E 350	1.6	15.1	10990			N.D.			
1940-41	52	1260	1.2	108.	78840	2	21	1650			
1941-42	42	62	4.4	14.8	10690	12	28	165			
1942-43	55	E 8000	1.2	105	76020	1	23	23000			
1943-44	47	3320	2.3	79.9	57990	2	22	4760			
1944-45	46	320	4.8	24.0	17370	2	2	897			
1945-46		698	4.9	23.7	17160	3	30	1300			
1946-47		644	4.0	26.2	18960	12	25	745			
		15 YEAR MEAN DAILY 42.3									

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

TUJUNGA WASH at Glen Oaks Boulevard (Drainage area 11.8 square miles) F20B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
1931-32	26				*741			N.D.			
1932-33	66	562	0	6.22	4500	1	19	2260			
1933-34	66	909	0	5.20	3760	1	1	3750			
1934-35	83	328	0	14.0	10110	4	8	615			
1935-36	83	213	0	5.83	4220	2	12	628			
1936-37	101	496	0	49.8	35580			N.D.			
1937-38	101		0		*	3	2	E 54000			
1938-39					NO RECORD						
1939-40	69	*	0	*	*			*			
1940-41	56	1050	0	115.	83220	3	5	1200			
1941-42	44	59	0	5.80	4190	12	30	59			
1942-43	56	E 1610	0	92.5	66970	1	23	1780			
1943-44	49	985	0	60.3	43750	2	22	1100			
1944-45	49	303	0	3.21	2330	2	5	510			
1945-46		543	0	3.81	2820	12	23	610			
1946-47		255	0	9.47	6850	12	27	680			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

TUJUNGA WASH at Magnolia Boulevard (Drainage area, split) F105R

1930-31	38				NEGLIGIBLE			NEGLIGIBLE			
1931-32	28	12	0	0.11	78	12	28	46			
1932-33	70	0	0	0	0			0			
1933-34	70	12	0	0.34	25	1	1	145			
1934-35	86	0	0	0	0			0			
1935-36	86	3.3	0	0.01	8.9	2	12	15			
1936-37	104	14.	0	0.07	51	2	6	53			
1937-38	104				*			N.D.			N.D.
1938-39	72	0.1	0	+	0.40	1	21	1.1	9	25	0.5
1939-40	71	E 19	0	E 0.12	E 96			N.D.			
1940-41	58	37.	0	0.52	373	2	28	125.			
1941-42	45	16.	+	0.17	123	12	28	119			
1942-43	58	140	+	0.98	708	1	22	1350			
1943-44	51	97	0.3	1.51	1090	2	20	460			
1944-45	50	2.6	0.2	0.57	413	2	2	16			
1945-46		0.6	0.04	0.14	103	12	21	2.1			
1946-47		0.6	0	0.02	18	12	26	2.3			

TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard (Drainage area, split) F106-R

1930-31	34	24	0	0.13	91	2	3	56.			
1931-32	29	591	0	5.75	4170	2	9	1380.			
1932-33	71	127	0	0.57	413	1	19	429.			
1933-34	71	641	0	1.99	1440	1	1	3110.			
1934-35	76	81	0	0.73	528	1	5	352			
1935-36	76	86	0	0.68	497	2	12	400			
1936-37	106	190	0	3.75	2720	2	6	681			
1937-38	106		0		*	3	2	N.D.	3	1	1880
1938-39	73	NO RECORD			*			N.D.			N.D.
1939-40	70	E 472	0	E 2.14	E 1560			N.D.			
1940-41	60	550	0	31.2	E22570			N.D.			
1941-42	46	8.5	0	+	33	12	10	57			
1942-43	60	1220	0	30.3	21920	1	24	1460			
1943-44	52	E 630	0	28.0	20340	2	22	1540			
1944-45	52	80	0	0.73	532	2	6	321			
1945-46		231	0	1.16	841	12	24	357			
1946-47		148	0	0.66	478	12	28	593.			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

BROWNS CANYON CREEK at Devonshire Street, Chatsworth (Drainage area 14.3 square miles) F2R

1928-29	259	0	0	0	* 0			0			
1929-30	23	0	0	0	0			0			
1930-31	46	5.0	0	0.77	554	4	26	7.7			
1931-32	33	80	0	0.96	693	2	9	152			
1932-33					NO RECORD						
1933-34					NO RECORD						
1934-35					NO RECORD						
1935-36					**			N.D.			
1936-37	109	85	0	0.61	439	2	14	140			
1937-38	109	595	0	2.92	2120	3	2	E 1100	3	1	94
1938-39	74	8.5	0	0.10	75	12	18	E 63			
1939-40					**						

STATION ABANDONED 10-31-38

CALABASAS CREEK at Ventura Boulevard (Drainage area 2.4 square miles) F270R

1939-40	72				* 0.30						
1940-41	61	65	0	1.49	1080*	2	20	551			
1941-42	47	0.3	0	+	1.2	12	28	5.6			
1942-43	61	34.	0	0.55	402	1	23	445			
1943-44	54	E 114	0	0.55	399	2	22	550			
1944-45	53	E 2.5	0	0.01	7.2	2	2	20			
1945-46		4.3	0	0.02	16.9	12	21	30			
1946-47		2.6	0	+	12.1	11	23	45.4			

CASTAIC CREEK at Highway 126 (Drainage area 196 square miles) F108-R

1945-46			RECORD INCOMPLETE					N.D.			
1946-47		435.	0	4.25	3080.	12	26	1440			

CENTINELA CREEK at Centinela Boulevard (Drainage area 5.17 square miles) F186R

1932-33	74	70	0	0.74	534	1	19	297			
1933-34	74	212	0	1.24	895	1	1	570			
1934-35	88	259	0	2.23	1620	3	2	1590			
1935-36	88	91	0	0.70	509	2	14	1170			

ABANDONED 6-11-36

YEARLY DISCHARGE SUMMARY

COMPTON CREEK near Greenleaf Drive (Drainage area 30.3 square miles) F378-R

1927-28	80				* 1230	3	5	* 240			
1928-29	188	197	0	3.13	2270	3	10	924			
1929-30	29	144	0	3.48	2520	3	14	580			
1930-31	50	137	0.04	3.31	2400	4	26	678			
1931-32	35	248	0	4.43	3220	1	31	757			
1932-33	77	166	0	2.45	1780	1	19	740			
1933-34	77	372	0	3.53	2560	1	1	960			
1934-35	90	301	0	5.73	4170	4	8	850			
1935-36	90	143	0	4.02	2920	2	12	824			
1936-37	112		0		*	2	6	1220			
1937-38	112	E 986	0		* 6850	3	2	N.D.	3	1	1540
1938-39	75	837	0	7.12	5150	9	25	2150			
1939-40	73	256	0.1	7.35	5340	2	3	1630			
1940-41	63	544	1.0	22.7	16400	12	23	2660			
1941-42	48	236	3.0	10.1	7280	12	10	1730			
1942-43	63	752	0.8	11.8	8560	1	22	2050			
1943-44	55	739	2.3	15.6	11290	2	20	2370			
1944-45	54	363	4.4	12.7	9210	11	11	3010			
1945-46		362	2.6	11.0	7960	12	23	2010			
1946-47		474	4.1	13.9	10080	11	23	2930			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

COYOTE CREEK at Del Amo Street (Drainage area 110 square miles) F411C-R

1929-30	24	69	0	0.96	699	1	15	91			
1930-31	58	132	0	0.78	568	2	5	218			
1931-32	37	496	0	3.70	2690	2	9	799			
1932-33	80	130	0	0.63	457	1	30	283			
1933-34	80	1350	0	5.38	3890	1	1	2020			
1934-35	96	569	0	5.33	3850	12	13	3190			
1935-36	96	172	0	1.60	1150	2	12	486			
1936-37	115	2760	0	18.9	13680	2	6	4190			
1937-38	115	2770	0	20.8	15070	3	2	3610	3	1	1940
1938-39	77	E 552	0	5.86	4250	9	25	E 1660			
1939-40	75	276	0	4.40	3190	2	3	827			
1940-41	65	1440	0	40.7	29500	0	28	2750			
1941-42	50	92	0	2.15	1560	12	10	351			
1942-43	65	1030	0	15.7	12070	1	23	1480			
1943-44	57	1860	0	16.6	12060	2	22	3550			
1944-45	56	185	0.3	5.24	3800	11	12	488			
1945-46		278	0.2	4.89	3540	12	23	920			
1946-47		96.	0.1	3.40	2460	11	14	145.			
		18 YEAR MEAN DAILY		8.78							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

DOMINGUEZ CHANNEL at Carson Boulevard (Drainage area 56. square miles) F265-R

1940-41	67	250**	0.3	44.6	32260			*			
1941-42	52	45	0	4.93	3570	12	11	47			
1942-43	67	632.	2.0	16.8	12200	1	23	706			
1943-44	58	991	4.6	26.2	19020	2	23	1020			
1944-45	57	104	6.5	12.5	9010	2	3	176			
1945-46		195	6.0	12.3	8890	12	23	231			
1946-47		263	5.6	14.8	10650	12	26	325			

*FLOODED FROM MARCH 1 TO MARCH 16.

DUME CREEK at Roosevelt Highway (Drainage area 8.8 square miles) F83-R

1929-30	40	100	0	0.30	218	1	15	426			
1930-31	64	40	0	0.18	127	2	4	205			
1931-32	39	94	0	1.00	726	12	28	425			
1932-33	83	15	0	0.11	81	1	19	110			
1933-34	83	839	0	3.13	2270	12	31	2750			
1934-35	99	47	0	0.24	174	1	5	409			
1935-36	99	26	0	0.28	202	2	14	206			
1936-37	117	230	0	2.62	1900	2	6	624			
1937-38	117				**	3	2	N.D.			
1938-39	79	13	0	0.04	31	9	25	115			
1939-40	77	39	0	0.32	229	2	2	183			
1940-41	69	230	0	9.39	6800	1	24	876			
1941-42	53	0.4	0	0.04	28	12	28	2.7			
1942-43	69	666	0	4.17	3020	1	22	1440			
1943-44	60	163	0	2.17	1570	2	20	627			
1944-45	59	11	0	+	23	2	2	65			
1945-46		23.	0	0.09	68.2	12	23	142			
1946-47		73.	0	0.33	241.	11	20	490.			

EATON WASH below Eaton Dam (Drainage Area 9.5 square miles) F271R

1940-41	71	E 211	0	8.40	6090	2	20	256			
1941-42	54	+	0	+	+	VAR.	TIMES	+			
1942-43	73	663	0	8.84	6400	1	23	*1080			
1943-44	62	161	0	2.71	1970	3	14	268			
1944-45	62	17	0	0.14	101	2	2	26			
1945-46		43	0	0.37	265	12	22	121			
1946-47		63.	0	0.70	507.	12	26	86			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

EATON WASH at Ellis Lane
(Drainage area 18.4 square miles) — F104-R

WATER YEAR ENDING SEPTEMBER 30								PEAK FLOWS			
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1930-31	69	58	0	0.43	314	4	26	359			
1931-32	41	129	0	1.30	946	2	8	184			
1932-33	85	187	0	0.78	564	1	19	399			
1933-34	85	523	0	2.75	1990	1	1	2180			
1934-35	101	72	0	0.75	543	1	5	609			
1935-36	101	63	0	1.19	866	2	12	414			
1936-37	119	101	0	1.79	1300	12	27	400			
1937-38	119	724	0	5.76	4170	3	2	E 1900	2	28	670
1938-39	80	77	0	0.99	718	1	5	738	9	25	240
1939-40	78	45	0	0.55	402	2	2	341			
1940-41	72	268	0	7.66	5860	3	3	990			
1941-42	54	49	0	0.40	293	12	10	289			
1942-43	74	E 885	0	9.82	7100	1	23	2280			
1943-44	63	224	0	2.27	1650	2	22	412			
1944-45	63	37	0	0.38	273	2	2	425			
1945-46		105	0	0.70	509	12	23	286			
1946-47		74	0	1.16	840.	12	25	352			
		17 YEAR MEAN DAILY		2.27							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LA TUNA CREEK at Belmont Country Club
(Drainage area, 5.1 square miles) — F287-R

1945-46		RECORD INCOMPLETE				3	30	102			
1946-47		29.	0	0.22	158	12	26	132			

LIMEKILN WASH at Devonshire Avenue
(Drainage area 3.8 square miles) — F149R

1939-40	80	1.9	0	0.02	13	1	8	12			
1940-41	75	41.	0	1.50	1080	2	17	318			
1941-42	55	1.6	0	0.03	20	12	10	6.3			
1942-43	79	66	0	0.85	619	1	22	300			
1943-44	68	65	0	0.53	382	2	22	288			
1944-45	67	7.0	0	0.11	77	2	2	50			
1945-46		12.0	0	0.14	104	12	21	93			
1946-47		8.1	0	0.13	92.	12	25	33.			

LITTLE DALTON CREEK above Mouth of Canyon
(Drainage area 2.7 square miles) — F65B-R

1928-29	44		0		* 58	3	10	* 5.8			
1929-30	52	4.5	0	0.12	85	5	3	28			
1930-31	80	1.8	0	0.04	30	4	26	6.3			
1931-32	46	25	0	0.62	449	1	31	72			
1932-33	91	7.6	0	0.10	75	1	19	25			
1933-34	91	97	0	0.67	482	1	1	201			
1934-35	104	26	0	0.68	495	4	8	69			
1935-36	104	19	0	0.64	465	2	11	118			
1936-37	121	41	0	1.97	1430	12	31	140			
1937-38	121	381	0	3.68	2660	3	2	E 960	3	1	391
1938-39	82	7.0	0	0.28	207	1	5	36	9	25	3
1939-40	81	13	0	0.32	231	1	7	63			
1940-41	76	41	0	2.70	1950	3	4	73			
1941-42	56	2.5	0	0.27	198	12	29	10			
1942-43	80	76	0	2.64	1910	1	23	182			
1943-44	69	97	0	1.24	900	2	22	198			
1944-45	68	20	0	1.03	748	11	11	96			
1945-46		57	0	0.72	519	12	21	111.			
1946-47		19	0	0.55	400	11	20	57.			
		18 YEAR MEAN DAILY		1.02							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

LITTLE ROCK CREEK above Little Rock Dam
(Drainage area 49.0 square miles) — L1R

1930-31	94	195	0	4.99	3610	4	26	430			
1931-32	51	830	0	*	* 16730	2	8	2200			
1932-33	99	56	0	5.77	4180	3	9	66			
1933-34	99	455	0	5.20	3770			N.D.			
1934-35	107	716	0	24.4	17640	2	5	925			
1935-36	107	127	0	4.57	3320	2	23	261			
1936-37	124	679	0	30.3	21950	2	6	1550			
1937-38	124		0	*		3	2	E 17000			
1938-39	84			*				N.D.	9	25	1100
1939-40	83	183	0	9.64	7000	1	8	555			
1940-41	79	1730	0	71.3	51620	2	20	2240			
1941-42	58	55	+	7.10	5140	4	14	92			
1942-43	82	E 2730	0	49.5	35870	1	23	5700			
1943-44	71	736	0.3	49.6	35940	2	22	1230			
1944-45	70	323	0.1	12.8	9250	11	11	1080			
1945-46		604	0	16.7	12150	12	21	1100			
1946-47		1740	0	22.0	15870	12	26	3180.			

YEARLY DISCHARGE SUMMARY

LITTLE SANTA ANITA CREEK below Sierra Madre Dam
(Drainage area 2.4 square miles) — F67B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1928-29	121		0		* 40	4	5	* 6.0			
1929-30	45	1.7	0	0.01	8.5	3	15	3.8			
1930-31	85	2.1	0	0.01	7.8	4	26	9.0			
1931-32	48	21	0	0.29	211	2	9	38			
1932-33	94	32	0	0.13	93	1	19	90			
1933-34	94	8.0	0	0.11	83	12	31	39			
1934-35	110	12	0	0.38	276	4	8	32			
1935-36	110	6.5	0	0.31	141	2	11	16			
1936-37	126	26	0	1.16	835	12	27	109			
1937-38	126	192	0	3.24	2350	3	2	E 620	3	1	135
1938-39	85	8.0	0	0.08	65	12	18	132			
1939-40	84	10	0	0.26	190	1	8	84			
1940-41	80	42	0	2.77	2000	4	4	75			
1941-42	59	2.7	0	0.19	138	12	28	5.0			
1942-43	85	208	0	5.26	3810	1	23	533			
1943-44	74	51	+	1.04	755	2	22	69			
1944-45	73	13	0	0.17	123	11	11	56			
1945-46		21	0	0.24	172	12	23	60			
1946-47		21.	0	0.62	446	11	13	55.			
		18 YEAR MEAN DAILY		0.90							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

LITTLE SANTA ANITA CREEK at Woodland Avenue
(Drainage area 3.8 square miles) — F267R

1940-41	82	N.D.	0	N.D.	N.D.			N.D.			
1941-42	61	6.5	0	0.16	117	12	28	60			
1942-43	86	216	0	3.43	2480	1	23	542			
1943-44	75	67	+	0.55	396	2	22	202			
1944-45	74	24	0	0.20	144	11	11	175			
1945-46		35	0	0.30	212	12	23	188			
1946-47		26	0	0.31	227.	12	27	112			

LITTLE TUJUNGA CREEK at Foothill Boulevard
(Drainage area 21.0 square miles) — F19R

1928-29	255			NEGLIGIBLE				N.D.			
1929-30	51			NEGLIGIBLE				N.D.			
1930-31	90	7.1	0	0.08	57	2	4	30			
1931-32	50	274	0	2.57	1870	2	9	660			
1932-33	96	118	0	0.71	514	1	19	450			
1933-34	96	258	0	1.12	819	1	1	1360			
1934-35	113	63	0	0.63	455	12	13	89			
1935-36	113	83	0	1.28	929	2	2	653			
1936-37	129	175	0	5.58	4760	2	14	964			
1937-38	129	1300	0	12.4	8960	3	2	E 8500	3	1	1140
1938-39	87	40	0	0.70	504	3	9	175	9	25	8
1939-40	86	148	0	1.24	899	1	8	2090			
1940-41	83	534	0	14.6	10600	3	4	1310			
1941-42	62	30	0	0.27	199	12	28	198			
1942-43	88	592	0	10.2	7380	1	23	3700			
1943-44	76	826	0	8.04	5840	2	22	4220			
1944-45	76	48	0	0.76	550	11	11	244			
1945-46		96	0	0.80	577	3	30	156			
1946-47		54	0	0.98	706	11	20	260			
		17 YEAR MEAN DAILY		3.70							

LIVE OAK CREEK above Mouth of Canyon
(Drainage area 2.6 square miles) — F31R

1927-28	50		0		* 0.20	2	4	. 0.1			
1928-29	60	0	0	0	0			0			
1929-30	59	0	0	0	0			0			
1930-31	98	0	0	0	0			0			
1931-32	53	7.0	0	0.28	207	2	8	22.			
1932-33	101	0.06	0	+	0.15	1	20	0.2			
1933-34	101	19	0	0.32	228	12	29	35			
1934-35	116	0	0	0	0			0			
1935-36	116	0.1	0	+	0.20	2	12	0.6			
1936-37	132	22	0	0.59	429	2	14	29			
1937-38	132	96	0	1.10	794	3	2	257	3	1	37
1938-39	88	0.1	0	+	0.60	9	16	0.9	9	25	0.6
1939-40	88	0.7	0	0.01	9.5	1	7	3.8			
1940-41	85	27	0	1.05	763	3	5	28			
1941-42	63	0	0	0	0			0			
1942-43	89	35	0	1.14	822	1	23	54			
1943-44	78	13	0	0.30	215	2	22	24			
1944-45	77	5.5	0	0.21	150	2	2	12			
1945-46		2.7	0	0.10	76	12	23	40			
1946-47		1.9	0	0.05	38	1	1	1.9			
		19 YEAR MEAN DAILY		0.27							

LOS ANGELES RIVER below Sepulveda Boulevard
(Drainage area 157 square miles) — F58-R

1928-29	216				*720	4	4	127
1929-30	80	143	0	1.72	1230	3	15	389
1930-31	99	652	0.06	5.09	3680	2	4	1300
1931-32	55	825	0.08	8.72	6330	2	8	2000
1932-33	103	1010	0.05	6.14	4440	1	19	1720
1933-34	103	1910	0.03	7.65	5540	1	1	7380
1934-35	131	203	+	4.35	3150	1	5	886
1935-36	131	79	0.2	2.17	1570	2	12	286
1936-37	134	1200	0.2	15.1	10920	2	14	2630
1937-38	134	5870	0.8	*		3	2	E 12000
1938-39	89	1180	1.8	17.9	12970	12	15	2980
1939-40	88	637	1.8	10.2	7430	1	8	2690
1940-41	86	3540	2.9	76.1	55120	2	20	6610
1941-42	64	161	5.0	9.38	6790	12	28	1040
1942-43	91	2370	5.0	45.7	33070	1	23	2710
1943-44	79	4100 E	5.5	48.5	35210	2	22	5060
1944-45	78	256	7.5	14.3	10370	2	2	1000
1945-46		479	6.0	22.3	16120	12	21	1730
1946-47		358	6.0	21.9	15840	12	26	881

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

LOS ANGELES RIVER at Vineland Ave. (Drainage area 400 square miles) F12R-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1928-29	224	127	4.1	18.0	13040	11	14	427			
1929-30	60	158	3.9	23.0	16660	3	15	231			
1930-31	130				* 8370	2	4	1240			
1931-32	57	998	0.6	17.6	12830	2	8	1630			
1932-33	107	1230	1.7	11.6	8370	1	19	2080			
1933-34	107	2450	1.3	16.0	11560	1	1	9140			
1934-35	134	288	2.2	8.65	6260	1	5	1020			
1935-36	134	91	2.1	5.59	4060	2	12	261			
1936-37	137				**	2	14	2770			
1937-38	137	STATION ABANDONED			**	3	2	E 37700			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

LOS ANGELES RIVER at Mariposa Street (Drainage area 430 square miles) F26G-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1938-39	91				*20390	1	21	*1012	9	25	620
1939-40	92	986	8.0	38.7	28050	1	8	3950			
1940-41	89	5500	8.5	160.	116000	3	4	8450			
1941-42	67	358	14	49.1	35540	12	28	2290			
1942-43	93	4440	11	136	97060	1	23	7520			
1943-44	81	6050	14	113.	82390	2	22	9040			
1944-45	80	904	14	40.7	29460	2	2	2840			
1945-46		792	6.0	38.8	28070	12	22	2250			
1946-47		500	4.0	36.3	26310	11	13	1220			

LOS ANGELES RIVER above Arroyo Seco (near Dayton Avenue) (Drainage area 510 square miles) F57C-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1929-30	57	312	0	2.29	1660	3	15	500			
1930-31	123	927	0	5.48	3950	2	4	4540			
1931-32	60	2520	0	21.0	15240	2	8	3020			
1932-33	111	2330	0	14.7	10640	1	19	5780			
1933-34	111	5990	0	41.2	29810	1	1	22000			
1934-35	117	568	0.1	17.3	12550	4	8	E 2400			
1935-36	117	322	0.4	7.94	5770	3	30	2540			
1936-37	139	1670	0.4	33.8	24470	2	6	2410	2	14	2410
1937-38	139	27900	0.6	183.	132600	3	2	E 58000	3	1	9920
1938-39	93	1950	3.8	58.5	42360	1	5	3710	9	25	620
1939-40	94	2070	6.0	54.5	39590	1	8	8900			
1940-41	92	6700	4.2	228.	165000	2	20	11870			
1941-42	69	1170	22.	75.7	54800	12	10	5260			
1942-43	95	7120	15.	172	124400	1	23	23900			
1943-44	83	8020	25.	151.	109800	2	22	14600			
1944-45	82	1160	6.5	51.1	36990	2	2	4900			
1945-46		1880	3.4	49.6	35880	12	22	5240			
1946-47		896	1.6	43.3	31330	12	25	5320			
		18 YEAR MEAN DAILY		67.3							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

LOS ANGELES RIVER at Firestone Boulevard (Drainage area 614 square miles) F34B-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1927-28	67		0		* 6690	2	4	*1120			
1928-29	161	775	0	13.6	9830	11	14	2010			
1929-30	72	813	0	13.4	9730	3	15	2210			
1930-31	106	1560	1.4	18.6	13450	2	4	4360			
1931-32	62	2650	0.4	35.3	25620	2	8	4780			
1932-33	115	2960	0	23.5	17020	1	19	7070			
1933-34	115	8550	0	52.9	38330	1	1	29400			
1934-35	126	1430	0	40.3	29170	1	5	10400			
1935-36	126	1040	0	20.5	14920	2	12	5730			
1936-37	144	3460	0	67.2	48630	12	30	E 10000			
1937-38	144	40000	0	278	201300	3	2	E 79000	3	1	18500
1938-39	96	5090 E	0	108	78440	9	25	10800			
1939-40	97	2410	E14	80.5	58420	1	8	7610			
1940-41	96	7580	10	345	249500	2	20	14760			
1941-42	72	2030	27	97.8	70820	12	10	8210			
1942-43	97	10710	18	268	193700	1	23	27500			
1943-44	86	13020	38	249	180900	2	22	24750			
1944-45	84	1980	16	91.0	65900	2	2	6970			
1945-46		4000	8.4	95.8	69310	12	22	12500			
1946-47		2850	14	99.8	72360	12	25	14870			
		19 YEAR MEAN DAILY		105.2							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

LOS ANGELES RIVER at Pacific Coast Highway (Drainage area, split) F10C-R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1928-29	171				*9340	3	10	*2870			
1929-30	87	1270	0.9	17.0	12310	3	15	1670			
1930-31	114	1390	0	19.9	14400	2	3	3700			
1931-32	65	7130	0.8	70.2	50960	2	9	8380			
1932-33	119	3310	0.3	31.6	22890	1	19	8710			
1933-34	119	19900	0	93.7	67860	1	1	37500			
1934-35	121	2930	1.6	55.9	40470	4	8	11000			
1935-36	121	1630	2.3	28.3	20470	2	12	10400			
1936-37	149	6800	3.3	126	91110	2	14	20500			
1937-38	149	50000	1.0	564	408000	3	2	E 99000	3	1	23300
1938-39	98	6220	3.5	114	82750	9	25	17300			
1939-40	100	E2830	15	90.8	65930	2	2	8440			
1940-41	99	11120	18	510	369500	3	4	18170			
1941-42	75	3180	31	129	93390	12	10	10800			
1942-43	100	18100	28	366	264900	1	23	37900			
1943-44	88	17190	38	299	217400	2	22	34000			
1944-45	87	3020	33	138	100200	11	12	11600			
1945-46		6440	30	127	91790	12	22	12800			
1946-47		5750	18	146	105950	12	26	16810			
		18 YEAR MEAN DAILY		163							

YEARLY DISCHARGE SUMMARY

MALIBU CREEK at Crater Camp (Drainage area 103 square miles) F130R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1930-31	139				* 1920	2	4	743			
1931-32	68	1770	0.01	20.2	14670	2	9	3100			
1932-33	123	1100	0.1	12.7	9190	1	19	4460			
1933-34	123	3160	0.05	17.1	12370	1	1	9650			
1934-35	139	511	+	8.59	6220			N.D.			
1935-36	139	92	0	3.19	2310	2	23	147			
1936-37	154	1680	0	33.1	23940	2	14	2760			
1937-38	154	E 5090	0.2	47.1	34100	3	2	E 10000	3	1	5960
1938-39	101	139	0	6.40	4630	12	20	331	9	25	330
1939-40	103	335	+	8.40	6100	2	2	690			
1940-41	103	2200	0.1	101.	73220	2	20	3620			
1941-42	77	32	0.1	2.52	1820	12	28	140			
1942-43	102	5370	E 0.1	65.8	47600	1	22	12240			
1943-44	90	3400	E 0.7	41.6	30170	2	22	7700			
1944-45	89	210	0.2	5.87	4240	2	2	516			
1945-46		267	0.1	5.24	3800	3	30	506			
1946-47		142	0.1	5.28	3820	11	13	820			
		16 YEAR MEAN DAILY		24.0							

MISSION CREEK (formerly Rio Hondo Slough) at San Gabriel Boulevard (Drainage area 18.8 square miles) F83R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1929-30	117	20	14	17.0	12290	2	3	20			
1930-31	187	37	12	16.3	11820	2	4	49			
1931-32	90	37	13	16.7	12120	2	8	44			
1932-33	158	32	11	16.2	11720	1	29	51			
1933-34	158	84	7.6	12.5	9030	1	1	166			
1934-35	171	18	9.0	12.6	9140	4	8	32			
1935-36	171	26	9.5	13.5	9810	2	12	38			
1936-37	182	51	10	15.0	10840	2	14	84			
1937-38	182		15		* 14220			N.D.	3	1	91
1938-39	120	77	19	22.5	16320	9	25	116			
1939-40	121	52	15	22.3	16210	1	8	74			
1940-41	124	86	17	25.1	18120	3	4	104			
1941-42	92	43	20	25.9	18740	12	10	68			
1942-43	120	101	19	24.0	17410	1	22	252			
1943-44	109	176	20	26.0	18850	2	22	336			
1944-45	91	53	18	24.9	18010	11	12	76			
1945-46		52	17	21.6	15630	12	23	67			
1946-47		45	15	19.7	14230	12	25	80			

MONROVIA CREEK above Sawpit Creek (Drainage area 1.9 square miles) F22R

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1927-28	44	0.8	0.05	0.11	* 70	2	4	N.D.			
1928-29	105	2.8	0.02	0.08	57	3	10	7.1			
1929-30	94	2.6	0	0.08	55	1	15	5.9			
1930-31	149	3.0	0	0.06	43	4	26	13			
1931-32	73	14.6	0.01	0.25	184	2	9	24			
1932-33	129	17	0	0.12	86	1	19	58			
1933-34	129	40	0	0.26	187	1	1	108			
1934-35	142	18	+	0.24	173	4	8	109			
1935-36	142	11	+	0.29	208	2	2	78			
1936-37	157	18	0	0.63	456	12	27	81			
1937-38	157	E150	+	1.98	1430	3	2	N.D.	3	1	97
1938-39	103	8.5	+	0.21	155	9	25	23			
1939-40	105	8.5	+	0.19	138	1	8	68			
1940-41	105	21	+	0.94	680	3	4	68			
1941-42	78	1.8	+	0.11	81	12	29	2.6			
1942-43	104	E95	+	1.75	1270			N.D.			
1943-44	92	35	+	0.32	236	2	22	97			
1944-45	93	11	0.03	0.19	139	11	11	52			
1945-46		13	0.01	0.16	120	12	23	55			
1946-47		9.9	0.02	0.13	94	11	20	40			
		20 YEAR MEAN DAILY		0.40							

MONROVIA STORM DRAIN near Peck Road (Drainage area 4.5 square miles) F19SR

YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	PEAK FLOWS MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1932-33	132		0		**			N.D.			
1933-34	132	108	0	0.60	433	1	1	554			
1934-35	145	56	0	0.54	392	1	5	429			
1935-36	145	48	0	0.42	307	2	2	369			
1936-37	161	44	0	0.75	539	10	18	383			
1937-38	161	306	0	1.56	1130	3	2	E 1200	3	1	436
1938-39	105	55	0	0.80	579	1	5	667	9	25	200
1939-40	107	52	0	0.68	494	1	7	* 422			
1940-41	107	128	0	2.21	1600	3	4	770			
1941-42	80	31	0	0.31	228	12	10	412			
1942-43	106	147	0	1.18	855	2	22	717			
1943-44	94	88	0	0.70	508	2	22	828			
1944-45	94	38	0	0.34	249	2	2	414			
1945-46		55	0	0.45	324	12	22	374			
1946-47		32	0	0.44	322	12	26	388			
		14 YEAR MEAN DAILY		0.78							

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

MONTEBELLO STORM DRAIN at outlet into Rio Hondo (Drainage area 9.6 square miles) F181R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1931-32	75		0		* 1120	1	31	531			
1932-33	133	125	0	0.82	592	1	19	713			
1933-34	133	391	0	2.64	1910	1	1	1360			
1934-35	148	114	0	2.28	1650	1	5	1140			
1934-36	148	55	0	1.22	889	2	14	374			
1936-37	163		0		**			N.D.			
1937-38	163				**	3	2	E 400			
1938-39	107	147	0	1.35	981	9	25	688			
1939-40	109	77	0.1	1.22	885	2	1	729			
1940-41	108	204	0.1	5.64	4090	3	3	936			
1941-42	81	102	0.1	1.33	962	12	10	521			
1942-43	107	E 300	E 0.1	3.60	2580			N.D.			
1943-44	95	E 323	0.1	3.30	2390	2	22	1040			
1944-45	96	64	E 0.1	0.85	768	11	11	506			
1945-46		92	0	1.19	865	12	22	384			
1946-47		144	0.1	1.86	1350	11	13	1240			

PACOIMA CREEK, Flume below Pacoima Dam (Drainage area 28.2 square miles) F118B-R

1928-29	268				*876			N.D.			
1929-30					865	9	29	9.6			
1930-31					886	2	14-18	4.0			
1931-32	81	75	0	10.6	8400	2	16-17	75.			
1932-33	139	10	0	2.47	1790	4	13	81.			
1933-34	139	40	0	3.50	2540	1	26	54			
1934-35	151	97	0	7.10	5140	8	21	174			
1935-36	151	57	0	4.17	3030	5	13	153			
1936-37	164	216	0	20.1	14540	2	18	233			
1937-38	164	339	+	31.4	22740	3	2	685	3	1	166
1938-39	109	48	+	4.25	3080	1	20	51	9	25	1.7
1939-40	110	136	+	4.38	3180	2	4	169			
1940-41	110	431	0	36.5	26430	3	5	460			
1941-42	82	E 25	0	2.74	1980	7	15	97			
1942-43	109	576	0	28.2	20400	1	23	598			
1943-44	97	305	0	20.9	15150	3	2-3	326			
1944-45	97	174	0	6.78	4910	2	2	397			
1945-46		137	0	4.01	2900	2	5	241			
1946-47		230	0	8.32	6020	1	7	223			
		16 YEAR MEAN DAILY 12.2									

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

PACOIMA WASH at Parthenia Street (Drainage area 50.6 square miles) F16R

1928-29	257		0	NEGLIGIBLE				N.D.			
1929-30	107	11	0	0.08	57	1	11	70			
1930-31	159	23	0	0.15	105	2	4	270			
1931-32	78	51	0	0.67	485	2	8	477			
1932-33	141	10	0	0.04	28	1	16	60			
1933-34	141	48	0	0.22	157	1	1	305			
1934-35	154	10	0	0.14	106	1	5	70			
1935-36	154	26	0	0.37	271	2	23	98			
1936-37	166	44	0	0.49	356	2	6	159			
1937-38	166		0		*	3	3	E 2400	3	1	319
1938-39	110	53	0	0.52	377	12	15	258	9	25	34
1939-40	111	50	0	0.33	250	1	8	584			
1940-41	112	309	0	10.6	7640	3	3	843			
1941-42	83	9.0	0	0.05	34	12	10	57			
1942-43	110	431	0	9.24	6680	1	22	843			
1943-44	99	224	0	5.62	4080	3	1	355			
1944-45	99	104	0	0.61	294	2	2	649			
1945-46		22	0	0.34	245	12	21	171			
1946-47		27	0	0.67	489	11	23	157			

PUDDINGSTONE CREEK below Puddingstone Dam (Drainage area 32.3 square miles) F40R

1927-28	55		0		* 32	2	4	* 0.6			
1928-29	55	0.4	0	0.04	30	12	13	2.0			
1929-30	112	0.6	0	0.05	30	5	3	1.4			
1930-31	165	0.3	0.01	0.03	23	4	26	0.9			
1931-32	82	3.0	0.01	0.11	81	2	9	15			
1932-33	144	1.3	0	0.05	38	1	29	5.0			
1933-34	144		+		*			N.D.			
1934-35	156	1.2	0.01	0.06	44	10	17	4.3			
1935-36	156	2.0	0.01	0.05	36	2	12	13			
1936-37	168	6.1		0.27	198	2	6	18			
1937-38	168	99	0.1	6.66	4810	3	7	104			
1938-39	112	23	0.1	1.85	1330	10	30	25	9	25	3.0
1939-40	113	1.0		0.20	145	1	7	7.0			
1940-41	114	15.7		2.47	1790	2	19	25			
1941-42	84	44	0.1	2.27	1640	12	3	91			
1942-43	112	141	0.05	4.23	3060	3	4	287			
1943-44	100	51		1.54	1120	3	2	51			
1944-45	100	6.2	0.2	0.55	394	2	2	9.8			
1945-46	3	30	0.1	3.92	2840	8	31	37			
1946-47		3.6	0.02	0.18	131	11	12	6.0			
		13 YEAR MEAN DAILY 1.87									

RIO HONDO DIVERSION below Santa Fe Dam (Drainage area, 231 square miles) F280-R

1943-44	102	253	0	20.9	15180	5	18-23	253			
1944-45	102		NO FLOW FOR YEAR								
1945-46		479	0	31.2	22610	9	13	484			
1946-47		446	0	16.8	12200	11	27	484			

YEARLY DISCHARGE SUMMARY

RIO HONDO AT LOWER AZUSA ROAD (Drainage area, split) F192R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1931-32	84		0		* 12710			N.D.			
1932-33	147	937	0	5.25	3800	1	20	5160			
1933-34	147	2700	0	11.2	8100	1	1	5660			
1934-35	158	324	0	11.3	8150	4	8	604			
1935-36	158	114	0	4.68	3400	2	11	391			
1936-37	170	904	0	38.6	27990	2	20	E 1030			
1937-38	170	10500	0	241	174300	3	2	E 31000	3	1	4000
1938-39	113	191	0	2.17	1570	1	5	680	9	25	130
1939-40	114	224	0	5.01	3640	1	7	288			
1940-41	116	2220	0	113	81450	3	4	4000			
1941-42	65	214	0.1	2.73	1980	12	10	254			
1942-43	113	E 1300	0	14.7	10680	1	23	3500			
1943-44	103	562	0.3	15.9	11600	2	22	1080			
1944-45	102	112	0.1	1.80	1380	11	11	1060			
1945-46		267	0	18.0	13030	12	23	483			
1946-47		279.	0	11.8	8560	11	27 28 29	283			
		15 YEAR MEAN DAILY 33.1									

RIO HONDO above Mission Bridge (Drainage area, split) F64R

1928-29	83	586	6.6	22.0	15980	11	14	2400			
1929-30	123	252	8.5	18.6	13430	3	15	1260			
1930-31	176	662	4.8	22.7	16410	2	3	4040			
1931-32	85	5090	3.3	65.6	47560	2	9	6320			
1932-33	150	1670	7.5	27.1	19650	1	19	4410			
1933-34	150	4690	3.3	40.0	28970	1	1	11800			
1934-35	162	885	8.5	40.4	29230	4	8	3560			
1935-36	162	446	10.	28.6	20700	2	12	2890			
1936-37	174	989	9.5	70.3	50900	3	15	4600			
1937-38	174	E 12600	11	289	209300	3	2	E 28000	3	1	5670
1938-39	115	1280	14	42.4	30650	12	18	5220	9	25	2550
1939-40	116	505	13	38.1	27660	1	7	2380			
1940-41	118	3490	16	180	130600	3	4	6570			
1941-42	87	687	17	39.8	28810	12	10	4100			
1942-43	115	4650	20	82.2	59470	1	23	13200			
1943-44	105	2110	25	70.8	51390	2	22	4390			MEAN
1944-45	104	657	18	44.6	32300	11	11	4240			47824
1945-46		1210	23	59.6	43160	12	22	3600			
1946-47		1250	22	69.3	50150	11	13	11600			
		19 YEAR MEAN DAILY 65.8									

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

RIO HONDO at Stewart and Gray Road (Drainage area, split) F45R

1927-28	74		0		* 269	3	6	* 4.0			
1928-29	179	248	0	3.40	2460	4	4	912			
1929-30	132	285	0	2.77	2000	3	15	743			
1930-31	170	335	0	2.63	1900	2	4	841			
1931-32	88	3440	0	27.4	19920	2	9	4610			
1932-33	154	971	0	6.15	4450	1	19	2730			
1933-34	154	5810	0	23.5	17030	1	1	16000			
1934-35	167	667	0	8.28	6000	4	8	3450			
1935-36	167	472	0	5.82	4220	2	12	3160			
1936-37	179	1460	0	37.1	26870	2	14	4800			
1937-38	178	12700	0	238.	172100	3	3	E 24400	3	1	7600
1938-39	118	910	0	13.2	9540	12	18	5260	9	25	3230
1939-40	119	442	0	6.67	4850	1	8	1930			
1940-41	122	3690	0	129.	93260	3	4	6420			
1941-42	90	564	0	9.29	6730	12	10	4240			
1942-43	118	4660	0	57.9	41910	1	23	11800			
1943-44	107	E 2570	0	36.9	26820	2	22	6670			
1944-45	107	492	0	11.7	8460	11	11	4500			
1945-46		1130	0	15.6	11280	12	22	4270			
1946-47		1210	0	23.2	16790	11	13	8930			
		19 YEAR MEAN DAILY 34.7									

RUBIO WASH at Glendon Way (Drainage area 13.4 square miles) F62C-R

1929-30	143	81	0	1.46	1060	3	14	661			
1930-31	194	107	0	1.54	1110	2	3	1690			
1931-32	92	124	0	2.05	1490	11	27	798			
1932-33	161	234	0	1.53	1110	1	16	1510			
1933-34	161	684	0	3.57	2580	12	31	2070			
1934-35	173	134	0	2.44	1770	10	17	1680			
1935-36	173	81	0	1.75	1280	2	22	1370			
1936-37	185	186	0	3.87	2800	12	27	1180			
1937-38	185	802	0	5.77	4180	3	2	E 2400	2	28	1480
1938-39	122	250	0	3.29	2370	1	5	1720	9	25	580
1939-40	123	122	0	2.37	1720	1	7	1000			
1940-41	126	200	0	8.14	5890	3	3	1940			
1941-42	93	130	0	2.11	1530	12	10	1200			
1942-43	124	697	0	6.23	4520	3	4	2780			MEAN
1943-44	113	393	0	4.40	3190	2	22	1930			2440
1944-45	112	152	0	2.12	1540	11	11	1780			
1945-46		244	0	2.54	1840	12	22	1630			
1946-47		233	0	3.17	2300	11	13	2650.			
		18 YEAR MEAN DAILY 3.24									

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

SAN ANTONIO CREEK at Mouth of Canyon (Drainage area, 28.0 square miles) F151R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1930-31	199		0		*201	4	26	98			
1931-32	94	263	0	10.7	7800	2	8-9	405			
1932-33	164	33	0	0.15	111	1	19	167			
1933-34	164	123	0	0.87	630	1	1	200			
1934-35	175	87	0	9.43	6840	4	8	212			
1935-36	175	50	0	9.27	1640	2	11	208			
1936-37	187	211	0	31.2	22570	2	14	238			
1937-38	187	6620	0	58.4	42300	3	2	E 23400	3	1	1220
1938-39	124	148	0	1.98	1430	9	25	282			
1939-40	124	E 78	0	3.89	2820	1	8	286			
1940-41	127	250	0	39.5	28570	3	12	368			
1941-42	95	10	0	0.11	83	12	10	31			
1942-43	128	1280	0	41.4	29990	1	23	3000			
1943-44	116	231	0	14.1	10280	2	22	490			
1944-45	115	145	0	6.85	4960	11	11	430			
1945-46		259	0	4.52	3270	12	23	550			
1946-47		235	0	8.01	5800	12	26	362			
		16 YEAR MEAN DAILY 15.0									

SAN DIMAS WASH below Puddingstone Diversion Dam (Drainage area, 6.0 square miles) F216-R

1945-46		22	0	0.34	247	4	4	42			
1946-47		9.8	0	0.67	483	12	27	9.8			

SAN GABRIEL RIVER-WEST FORK above S. G. Dam No. 2 (Drainage area, 14.4 square miles) F226R

1933-34	174		0		*	1	1	1850			
1934-35	237	403	0	15.1	10900	4	8	755			
1935-36	237	121	0	5.78	4200	2	12	570			
1936-37	191	470	+	26.3	19050	12	27	1220			
1937-38	191		STATION ABANDONED					N.D.			

SAN GABRIEL-DEVIL'S CANYON CREEK above S. G. Dam No. 2 (Drainage area, 15.4 square miles) F227R

1933-34	176		0		*	1	1	1560			
1934-35	188	177	0	8.18	5930	4	8	288			
1935-36	188	75	0	2.49	1810	2	12	204			
1936-37	194	232	0	12.4	8980	2	6	367			
1937-38	194		STATION ABANDONED					N.D.			

SAN GABRIEL RIVER-WEST FORK below S. G. Dam No. 2 (Drainage area, 41.0 square miles) F209R

1933-34	178				*	1	1	4400			
1934-35	240	662	+	27.2	19700	12	13	1260			
1935-36	240	43	0.2	9.76	7090	2	17	45			
1936-37	196	577	+	46.4	33580	2	14	752			
1937-38	196	6620	0.7	81.4	58920	3	2	E 25000			
1938-39	126	683	0.4	15.7	11360	9	25	1190			
1939-40	126	141	0.6	12.9	9370	1	15	1240			
1940-41	129	E1130	0.5	82.6	59810	2	22	1160			
1941-42	96	76	1.0	10.1	7320	11	1	90			
1942-43	132	4780	0.6	75.9	54930	1	23	7300			
1943-44	120	805	2.2	51.9	37700	2	22	1210			
1944-45	119	144	0.8	14.4	10410	11	20	157			
1945-46		602	0.8	22.8	16480	3	30	814			
1946-47		1110	0.1	28.0	20240	1	6	1240			
		13 YEAR MEAN DAILY		36.8							

SAN GABRIEL RIVER-WEST FORK above North Fork (Drainage area, 48.0 square miles) F97R

1929-30	197	129	0.2	10.8	7790	3	14	206			
1930-31	231	366	0.05	9.31	6740	4	26	751			
1931-32	100	2090	0.1	36.4	26420	2	8	2700			
1932-33	182	996	0.1	14.1	10190	1	19	2890			
1933-34	182	1600	0.1	16.6	12050	1	1	4840			
STATION ABANDONED.											

YEARLY DISCHARGE SUMMARY

SAN GABRIEL-BEAR CREEK above West Fork (Drainage area 27.9 square miles) F66B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW C.F.S.
1929-30	166	76	0.1	10.6	7660	5	3	108			
1930-31	245	279	0.1	6.22	4500	4	25	527			
1931-32	102	1090	0.2	22.8	16620	2	9	1510			
1932-33	186	182	0.02	9.12	6600	1	19	566			
1933-34	186	732	0	9.24	5470	1	1	1600			
1934-35	185				*			N.D.			
1935-36	185	156	0.2	8.82	* 6400	2	12	410			
1936-37	202	614	0.2	37.9	27440	2	14	736			
1937-38	202		STATION ABANDONED			3	2	E 12500			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

SAN GABRIEL RIVER-NORTH FORK above Narrows (Drainage area 18.8 square miles) F98R

1929-30	178	16	1.5	4.10	2970	5	3	18			
1930-31	239	11	1.8	3.45	2500	4	26	16			
1931-32	105	186	1.8	11.9	8600	2	8	223			
1932-33	190	49	1.4	4.97	3600	1	19	126			
1933-34	190	186	0.8	4.50	3260	1	1	276			
1934-35	209	76	1.0	11.2	8140	4	8	111			
1935-36	209	36	1.6	5.94	4310	2	2	85			
1936-37	205	140	1.7	23.1	16750	3	13	198			
1938-38	205		STATION ABANDONED					N.D.	3	1	1020

SAN GABRIEL RIVER-WEST FORK above Forks (Drainage area 102 square miles) P3R

1927-28	18	704	1.6	17.9	15180	2	4	1620			
1928-29	15	422	0	20.7	14960	4	4	775			
1929-30	192	225	1.9	25.5	18470	3	15	301			
1930-31	264	676	1.2	20.2	14630	4	26	1530			
1931-32	107	598	1.4	76.3	55360	2	9	3790			
1932-33	193	1360	2.5	33.1	23990	1	19	3480			
1933-34	193	3340	1.5	34.5	24990	1	1	5320			
1934-35	225	1180	1.9	77.5	56110	4	8	1840			
1935-36	225	312	2.5	31.8	23070	2	12	752			
1936-37	208	1640	2.7	133	96590	2	14	2000			
1937-38	208	*	13	237	+171900	3	2	E34000	3	1	3460
1938-39	128	1140	7.5	46.5	33660	9	25	2530			
1939-40	129	369	6.5	38.2	27720	1	8	1220			
1940-41	132	E2870	7.0	237	171400	2	20	E3000			
1941-42	99	183	6.5	32.9	23810	12	29	288			
1942-43	134	E11300	6.5	211	153000	1	23	E20000			
1943-44	122	4000	19	144	104500	2	22	5760			
1944-45	121	719	14	51.5	37250	11	11	3950			
1945-46		1830	8.0	65.3	47330	3	30	2620			
1946-47		2270	7.6	83.0	60120	12	26	4150			
		20 YEAR MEAN DAILY		80.8							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.
+ = PARTLY ESTIMATED

SAN GABRIEL RIVER-EAST FORK above Cattle Canyon (Drainage area 56.2 square miles) P2R

1927-28	27	188	5.4	18.5	15680	2	4	267			
1928-29	22	242	4.7	24.4	17670	3	10	448			
1929-30	186	101	7.0	29.8	21540	5	3	122			
1930-31	255	168	8.7	21.0	15200	4	26	267			
1931-32	96	2520	8.5	73.6	53410	2	8	3340			
		STATION ABANDONED									

SAN GABRIEL RIVER-EAST FORK below Cattle Canyon (Drainage area 78.4 square miles) F96R

1929-30	172	114	6.1	34.3	24850	5	16	108			
1930-31	222	422	5.8	26.3	19020	4	26	777			
1931-32	97	3650	10	93.5	67910	2	8	4700			
1932-33	166	148	5.8	29.4	21260	1	19	310			
1933-34	166	2640	4.2	32.4	23480	1	1	4200			
		STATION ABANDONED									

SAN GABRIEL RIVER-EAST FORK above Forks (Drainage area 88.2 square miles) P48-R

1932-33	170				* 18990	1	19	335			
1933-34	170	6210	4.5	47.3	34230	6	1	8500			
1934-35	198	638	4.5	85.4	61840	4	8	1080			
1935-36	198	428	8.0	40.7	29590	2	11	1290			
1936-37	214	1440	9.0	148	107400	2	14	2180			
1937-38	214	E10000	20	208	150800	3	2	E46000	3	1	4660
1938-39	133	303	14	43.6	31590	12	18	716			
1939-40	132	430	14	42.0	30500	1	8	1360			
1940-41	136	1110	12	183	132400	2	20	1870			
1941-42	101	130	12	34.9	25230	8	10	349			
1942-43	137	E 5800	11	160	116100	1	23	25000			
1943-44	125	1290	21	113	81900	2	22	2410			
1944-45	123	693	20	72.9	52750	11	11	2810			
1945-46		1520	19	71.8	52000	12	21	2760			
1946-47		1160	13	66.6	48300	12	26	1900			
		14 YEAR MEAN DAILY		94.1							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS

SAN GABRIEL RIVER near Roberts Relay Station (Drainage area 201 square miles) F233R

1934-35	212	2580	7.5	176.	127100	4	8	4850			
1935-36	212	706	12	73.6	53410	2	12	1530			
1936-37	222	STATION ABANDONED						N.D.			

SAN GABRIEL RIVER at Edison Intake (Drainage area, 202 square miles) F26R

1927-28	4	916	5.2	47.6	34430	2	4	1830			
1928-29	1	600	3.5	49.9	36160	3	10	990			
1929-30	204	587	10	64.8	46830	5	3	799			
1930-31	204	1250	11	49.3	35690	4	26	2900			
1931-32	110	7530	11	182	132600	2	9	9110			
1932-33	199	2420	7.6	67.3	48710	1	19	7550			
1933-34	199	10700	5.5	86.9	62910	1	1	18000			
1934-35	192	2580	7.5	176	127400	4	8	4770			
1935-36	192	663	12	73.2	53180	2	12 E	1330			
1936-37	224	3490	12	289	207900	2	14	4240			
	STATION ABANDONED: SUBSEQUENT RECORD IS EQUAL TO NORMAL UNREGULATED FLOW AT MORRIS DAM PLUS NORMAL AZUSA CONDUIT DIVERSION.										
1937-38		29584	32		351746						
1938-39		1247	19		68431						
	SUBSEQUENT RECORD IS EQUAL TO NORMAL FLOW AT DAM #1										
1939-40		1056	20		58642						
1940-41		4518	20		308374						
1941-42		391	18		49128						
1942-43		17105	20		271612						
1943-44		7861	43		185683						
1944-45		1602	29		93540						
1945-46		3543	27		97924						
1946-47		3477	21		107687						

SAN GABRIEL-AZUSA CONDUIT at weir below San Gabriel Dam No. 1 (Regulated flow) F250R

1934-35	183				*36610						
1935-36	183	109	0	42.1	30540						
1936-37	227	94	0	27.3	19740						
1937-38	227	105	0	15.4	11160						
1938-39	138	103	0	5.91	4280						
1939-40	135	94	0	47.4	34440						
1940-41	141	110	0	23.8	17220						
1941-42	104	92	0	55.2	39940	8	27	112			
1942-43	139	106	0	44.6	32250	5	24	127			
1943-44	128	97	0	59.3	43050	1	4	165			
1944-45	126	142	0	81.5	59050						
1945-46		139	0	56.3	47930	2	5	139	2	8	139
1946-47		138	0	73.2	52990	1	1	195			
		12 YEAR MEAN DAILY 45.2									

SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon (Regulated flow) F220R

1932-33	208				*						
1933-34	208	86	0	27.3	19770						
1934-35	178	94	6.2	64.3	46570						
1935-36	178	86	9.1	40.7	29500						
1936-37	228	93	+	29.0	21030						
1937-38	228	94	+	16.4	11910						
1938-39	138	0	0	0	0						
1939-40	136	90	E +	32.7	23760						
1940-41	142	89	+	23.2	16820						
1941-42	105	91	+	53.0	38360	VAR. TIMES		91			
1942-43	140	94	0.1	36.6	26510	VAR. TIMES		94			
1943-44	129	94	+	56.9	41310	7	14-15	94			
1944-45	127	94	+	59.2	42910						
1945-46		92	+	55.0	39820	4	29	91			
1946-47		92	0.1	64.7	46900	VAR. TIMES		92			
		14 YEAR MEAN DAILY 38.9									

SAN GABRIEL-AZUSA-DUARTE TUNNEL DIVERSION near Mouth of San Gabriel Canyon (Regulated Flow) S100A-R

1918-19		31	0	1.2	865						
1919-20		38	0	4.7	3420						
1920-21		44	0	3.8	2750						
1921-22		34	0	6.5	4710						
1922-23		38	0	2.7	1960						
1923-24		26	0	1.0	718						
1924-25		9.9	0	0.1	40						
1925-26		54	0	4.8	3486						
1926-27		56	0	6.5	4760						
1927-28		0	0	0	0						
1928-29		20	0	0.4	257						
1929-30		54	0	5.0	3640						
1930-31		42	0	1.5	1120						
1931-32		86	0	19.1	13840						
1932-33		69	0	8.7	6330						
1933-34		81	0	9.0	6540						
1934-35		82	0	24.2	17520						
1935-36		85	0	17.7	12830						
1936-37		88	0	42.3	30640						
1937-38		86	0	38.4	27780						
1938-39		80	0	33.4	24150						
1939-40		76	0	35.0	25380						
1940-41	144	77	0	31.5	22810						
1941-42	107	66	0	6.13	4430						
1942-43	142	69	0	14.8	10720						
1943-44	132	74	0	13.9	10100						
1944-45	131	75	0	37.8	27350						
1945-46		65	0	21.0	15230						
1946-47		0	0	0	0						
		29 YEAR MEAN DAILY 13.5									

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS

SAN GABRIEL RIVER at Foothill Boulevard (Drainage area 230 square miles) F190R

1931-32	114		0		*76220			N.D.			
1932-33	215	2530	0	15.7	11400	1	19	10000			
1933-34	215	3150	0	20.3	14690	1	1	5550			
1934-35	204	448	0	61.7	59220	4	8	1080			
1935-36	204	169	0	21.1	15300	2	2	572			
1936-37	231	1610	0	162	117400	2	19	2050			
1937-38	231		0		*	3	2	E92000	3	1	2530
1938-39	139	220	0	15.0	10850	1	5	267	9	25	82
1939-40	137	388	0	13.7	9980	5	25	400			
1940-41	145	4090	0	304	220100	3	4	5280			
1941-42	108	312	0	5.52	3990	4	20	345			
1942-43	143	E10400	0	318	230200	1	23	11400			
1943-44	133	2750	0	163	118300	2	22	4840			
1944-45	132	844	0	22.9	16620	2	2	1080			
1945-46		1190	0	58.1	42060	12	23	1670			
1946-47		3000	0	65.6	47520	12	28	3200			

SAN GABRIEL RIVER at Valley Boulevard (Drainage area split) F2613-R

1936-37					*			N.D.			
1937-38					**			N.D.			
1938-39	141	125	0.4	8.00	5790			N.D.			
1939-40	138	E 125	0.2	1.82	1320	1	8	N.D.			
1940-41	147	1300	0.2	73.9	53500			N.D.			
1941-42	109	4.0	0	2.15	1560			N.D.			
1942-43	147	8000	0	221	160300	1	23	9350			
1943-44	137	2720	0.6	83.0	60280	2	22	5950			
1944-45	135	650	0.1	10.5	7570			N.D.			
1945-46		990	0	11.9	8640	12	23	1470			
1946-47		2440	0	30.3	21940			N.D.			

SAN GABRIEL RIVER at Beverly Boulevard (Drainage area split) F263R

1928-29	71	93	0	3.94	2850	3	10	397			
1929-30	161	152	0	4.83	3490	1	11	726			
1930-31	217	106	0	3.44	2490	2	4	404			
1931-32	116	1620	0	18.0	13060	2	9	3830			
1932-33	221	286	0	4.20	3040	1	29	1450			
1933-34	221	5580	0	23.4	16950	1	1	22000			
1934-35	246	746	0	16.8	12190	10	17	5400			
1935-36	246	355	0	6.32	4590	2	12	3400			
1936-37	236	2440	0		*34240	2	14	6970			
1937-38	236	11400	0	131	94810	3	2	E22700	3	1	7920
1938-39	142	672	0	34.1	24620	9	25	2110			
1939-40	139	544	0	27.8	20180	2	1	2110			
1940-41	149	2700	0	139	100900	3	4	5830			
1941-42	111	149	0	39.5	28630	12	10	412			
1942-43	148	10500	0	289	209580	1	23	14810			
1943-44	139	5350	0	144	104200	2	22	14060			
1944-45	136	744	0	58.7	42520	11	12	4210			
1945-46		1660	0	46.9	33990	12	23	4660			
1946-47		2810	0	52.7	45420	12	30	3240			
		10 YEAR MEAN DAILY 97.3									

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER at Florence Avenue (Drainage area split) F262R

1933-34	225		0		*			N.D.			
1934-35	222	718	0	6.50	4700	10	17	5850			
1935-36	222	414	0	2.42	1750	2	12	3400			
1936-37	240				*			N.D.			
1937-38	240				**			N.D.			
1938-39	144	325	0		*2540	9	25	1380			
1939-40	141	271	0	2.61	1900	1	8	1150			
1940-41	151	2390	0	105	75780	3	4	5630			
1941-42	113	117	0	18.7	13570	12	10	413			
1942-43	150	9190	0	257	186420	1	23	14000			
1943-44	141	4860	0	110	79930	2	22	15960			
1944-45	138	906	0	36.1	26110	11	12	4020			
1945-46		1505	0	22.8	16480	12	23	4370			
1946-47		2880	0	38.2	27650	12	31	3690			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SAN GABRIEL RIVER at Spring Street, Long Beach (Drainage area split)											F42R
1927-28	86	0	0	0	0			0			
1928-29	198	0	0	0	0			0			
1929-30	160	0	0	0	0			0			
1930-31	216	0	0	0	0			0			
1931-32	118	1270	0	9.03	6560	2	9	4490			
1932-33	225	170	0	1.12	809	1	20	2250			
1933-34	225	4860	0	17.1	12370	1	1	15000			
1934-35	220	463	0	3.29	2380	10	17	3390			
1935-36	220	222	0	1.64	1190	2	12	1910			
1936-37	241	1850	0	18.7	13510	2	14	4560			
1937-38	241	14500	0	122	88020	3	2	E 27000	3	1	7370
1938-39	146	265	0	1.50	1080	12	19	956	9	25	620
1939-40	143	E 192	0	2.02	1460	2	3	1400			
1940-41	153	1710	0	91.0	65890	3	13	4830			
1941-42	115	148	0	15.0	10830	12	11	277			
1942-43	152	9570	0	280	175100	1	23	14600			
1943-44	143	5570	0	99.4	72200	2	22	15000			
1944-45	140	742	0	30.8	22280	2	2	1910			
1945-46		1460	0	17.4	12590	12	23	3300			
1946-47		2520	0	33.3	24100	1	1	2740			
		20 YEAR MEAN DAILY 37.2									
SAN JOSE CREEK at Workman Mill Road (Drainage area 85.0 square miles)											F48R
1928-29	77	* 35	0		* 310	3	10	* 77			
1929-30	212	100	0	1.13	821	1	15	264			
1930-31	282	92	0.08	0.73	531	2	4	323			
1931-32	120	547	0.06	5.55	4030	2	9	1540			
1932-33	228	192	0.01	1.47	1070	1	29	825			
1933-34	228	2950	0	10.5	7610	1	1	13100			
1934-35	249	441	+	5.33	3860	10	17	2450			
1935-36	249	225	0	1.92	1390	2	12	1010			
1936-37	244	1470	+	13.3	9600	2	14	4070			
1937-38	244	4380	0.4	21.3	15450	3	2	9350	3	1	2900
1938-39	148	499	0.3	4.76	3440	9	25	1950			
1939-40	145	246	0.2	4.15	3020	2	1	1570			
1940-41	156	1320	0.7	31.4	22730	2	28	2500			
1941-42	117	54	0.8	5.43	3930	1 2	10	180			
1942-43	154	2740	1.4	28.3	20470	1	23	8040			
1943-44	145	2090	1.4	18.4	11910	2	22	6000			
1944-45	142	238	2.0	9.67	7010	11	11	1480			
1945-46		386	1.6	7.94	5750	12	23	1390			
1946-47		250	1.2	7.04	5100	1 2	26	833			
		18 YEAR MEAN DAILY 9.80									
SANTA ANITA CREEK below Big Santa Anita Dam (Drainage area 10.8 square miles)											F119R
1927-28	34	9.5	0.02	1.61	1160	2	5	16			
1928-29	111	9.0	0.2	1.73	1260	9	11	10			
1929-30	17	3.6	0.2	1.33	964	4	12	3.6			
1930-31	28	8.5	0.2	1.60	1160	2	20	9.0			
1931-32	24	94	0.3	5.34	3880	12	28	112			
1932-33	52				* 2020			N.D.			
1933-34	52	373	0.1	3.87	2800	1	1	431			
1934-35	253	90	0.1	5.51	3990	2	16	53	2	20	53
1935-36	2 53	52	+	3.48	2530			N.D.			
1936-37	247	140	0.1	10.9	7920	2	15	141			
1937-38	247	STATION ABANDONED						N.D.			
* INDICATES RUNOFF FROM SANTA ANITA DAM OUTFLOW RECORDS.											
SANTA ANITA CREEK above Little Santa Anita Creek (Drainage area 12.9 square miles)											F260R
1936-37	249	140	0	8.91	6450	2	15	174			
1937-38	249		STATION ABANDONED					N.D.	3	1	800
SANTA ANITA WASH at Foothill Boulevard (Drainage area 17.2 square miles)											F260B-R
1938-39	150	46	0	2.32	1680	1	5	128	9	25	47
1939-40	147	58	0	1.46	1050	1	8	248			
1940-41	158	262	0	17.9	12920	3	4	482			
1941-42	119	26	0	0.96	694	12	29	65			
1942-43	157	2130	0	29.9	21670	1	23	3800			
1943-44	148	395	0	8.46	6140	2	22	747			
1944-45	146	92	0	2.13	1540	6	25	225			
1945-46		182	0	2.04	1480	12	23	350			
1946-47		144	0	3.44	2490	12	29	289			
SANTA ANITA WASH below Arrow Highway (Drainage area 18.3 square miles)											F193R
1932-33	232		0		*			N.D.			
1933-34	232	232	0	1.20	870	1	1	399			
1934-35	256	70	0	0.27	193	4	8	197			
1935-36	256	18	0	0.22	156	2	16	31			
1936-37	252	98	0	2.90	2090	12	16	117			
1937-38	252		STATION ABANDONED					N.D.			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SANTA CLARA RIVER at Highway 99 (Drainage area 355 square miles)											F82B-R
1929-30	219	83	0.2	1.10	793	3	15	193			
1930-31	290	291	0.1	2.61	1890	2	7	2310			
1931-32	122	739	0.1	5.89	4260	2	9	2080			
1932-33	233	90	0	0.57	488	1	19	618			
1933-34	233	448	0.01	2.21	1600	1	1	3870			
1934-35	259	82	+	1.51	1090	1	5	608			
1935-36	259	113	0	2.19	1590	2	23	833			
1936-37	254	471	0	6.69	4850	12	27	3410			
1937-38	254	6370	+	37.2	26900	3	2	E24000	3	1	1570
1938-39	151	E 435	+	14.4	10410	12	15	4620	9	25	550
1939-40	148	79	0.3	2.16	1570	2	1	676			
1940-41	161	3450	0.3	57.1	41320	3	4	5050			
1941-42	120	167	0.5	32.3	23400	12	28	443			
1942-43	158	5420	1.4	65.2	47170	1	23	15000			
1943-44	149	9360	2.0	68.6	49770	2	22	22200			
1944-45	147	110	2.2	15.3	11050	2	2	317			
1945-46		194	0.4	8.90	6440	3	30	500			
1946-47		371	1.0	15.4	11150	12	26	1620			
		18 YEAR MEAN DAILY 18.9									
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.											
SAWPIT CREEK below Sawpit Dam (Drainage area 3.3 square miles)											F278R
1941-42	122	1.3	0	0.04	30	3	14	2.6			
1942-43	160	E 186	0	3.95	2860	1	23	284			
1943-44	151	50	0	0.92	666	2	22	67			
1944-45	148	8.0	0	0.40	290	11	12	18			
1945-46		21.0	0	0.20	169	12	23	36			
1946-47		18	0	0.45	329	12	26	26			
SAWPIT WASH above Arrow Highway (Drainage area 6.7* square miles.)											F194R
1932-33	237	7.5	0	0.04	26	1	19	22			
1933-34	237		0		**			N.D.			
1934-35	261	11	0	0.07	51	4	8	45			
		STATION ABANDONED									
SEPULVEDA CREEK at Charnock Road (Drainage area 25.7 square miles)											F185R
1932-33	238	255	0	3.01	2180	1	29	834			
1933-34	238	426	0	3.51	2540	12	31	1150			
1934-35	262	226	0	4.08	2950	4	8	1560			
1935-36	262	202	0	4.03	2920	2	12	1810			
1936-37	257		0		*	2	14	1980			
1937-38	257		0		*	3	2	E 3100			
1938-39	153	256	0	2.99	2170	9	25	1080			
1939-40	150	291	0	3.83	2780	2	2	1890			
1940-41	163	373	+	13.0	9460	12	23	3010			
1941-42	123	177	0.1	2.75	1990	12	28	2200			
1942-43	163	740	+	6.30	4560	1	22	2220			
1943-44	154	295	0.1	5.55	4030	2	22	1940			
1944-45	150	170	0.3	3.97	2870	11	11	1460			
1945-46		434	+	5.15	3740	12	22	1900			
1946-47		328	0.2	5.88	4260	11	13	2100			
SYCAMORE UPPER STORM DRAIN above Solway Street (Drainage area 2.7 square miles											F43R
1927-28	88		0		* 63	2	3	* 25	5	8	*25
1928-29	236	13	0	1.07	77	3	10	62			
1929-30	226	24	0	0.22	160	3	14	24			
1930-31	299	6.3	0	0.06	40	2	4	20			
1931-32	125	12	0	0.57	415	2	9	58			
1932-33								N.D.			
1933-34								N.D.			
1934-35	268							N.D.			
1935-36	268		0		*	3	30	252			
1936-37					**			N.D.			
1937-38					**			N.D.			
1938-39	155	5.5	0	0.19	139	1	5	74	9	25	6.3
1939-40	151	3.3	0	0.14	100	2	1	55			
1940-41	166	79	0	1.19	864			N.D.			
1941-42	125	9.5	0	0.15	110	12	10	119			
1942-43	165	90	0	1.57	1140	1	22	340			
1943-44	156	48	0	0.55	389	2	22	172			
1944-45	152	7.0	0	0.15	107	11	11	89			
1945-46		3.7	0	0.07	54	2	3	89			
1946-47		27.3	0	0.17	122	12	25	175			
SYCAMORE LOWER STORM DRAIN at Adams Square (Drainage area 6.2 square miles)											F44R
1927-28	94		0		*103	2	3	*34			
1928-29	244	*73	0	*	*253	11	14	904			
1929-30	231	51	0	0.49	353	5	3	51			
1930-31	304	14	0	0.26	190	2	3	212			
1931-32	127	35	0	0.64	911	11	27	191			
1932-33	242	46	0	0.39	283	1	19	401			
1933-34	242	366	0	2.46	1780	1	1	1150			
1934-35	266	65	0	1.53	1110	1	5	591			
1935-36	266	31	0		*	3	30	607			
1936-37	259	56	0		* 1760	12	27	365			
1937-38	259				**	3	2	E 2800	2	28	547
1938-39	156	68	0	1.37	992	1	5	314	9	25	314
1939-40	152	33	0	0.81	585	1	7	492			
1940-41	167	200	0	4.51	3260			N.D.			
1941-42	126	58	+	0.64	463	12	10	434			
1942-43	166	205	+	3.02	2180	1	22	757			
1943-44	158	152	0	1.99	1440	2	22	782			
1944-45	154	44	0	0.65	470	2	2	249			
1945-46		56	0.01	0.75	540	2	3	552			
1946-47		58	0	1.02	741	12	25	370			

YEARLY DISCHARGE SUMMARY

THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam (Drainage area 3.7 square miles) — F276R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOW					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
1940-41	168	11	0	0.48	345	4	1	19			
1941-42	127	+	0	+	+	VAR.	TIMES	+			
1942-43	167	14	0	0.44	317	2	24	21			
1943-44	159	2.6	0	0.05	37	2	26	3.8			
1944-45	155	1.2	0	0.03	18	3	26	2.3			
1945-46		2.4	0	0.007	4.8	12	23	15			
1946-47	NO FLOW FOR ENTIRE YEAR										

THOMPSON CREEK below Thompson Creek Dam (Drainage area3.7 square miles) — F32B-R

1943-44	160		NO FLOW FOR YEAR								
1944-45	156		" " " "								
1945-46			" " " "								
1946-47			" " " "								

TOPANGA CREEK above Mouth of Canyon (Drainage area 18.0 square miles) — F54R

1929-30	237				* 647	3	14	340			
1930-31	310	186	0.01	0.97	705	2	4	386			
1931-32	129	409	0.02	4.94	3590	2	8	1250			
1932-33	245	542	0.01	3.09	2240	1	19	1430			
1933-34	245	1590	0	8.87	6420	12	31	4510			
1934-35	270	130	+	1.88	1360	1	5	1200			
1935-36	270	77	+	2.05	1490	2	22	528			
1936-37	261	413	+	9.13	6620	3	15	1130			
1937-38	261	3270	+	21.2	15310	3	2	E 9300	2	28	6630
1938-39	158				**			N.D.			
1939-40	155	183	+	2.86	2080	2	1	1280			
1940-41	169	E 1100	+	26.2	18940	2	20	E 8700			
1941-42	128	47	+	0.75	540	12	28	385			
1942-43	169	E 1110	+	12.0	8720	1	22	2200			
1943-44	161	E 1110	0.1	9.60	6970	2	22	5070			
1944-45	157	176	0.1	1.51	1090	2	2	964			
1945-46		182	0.2	1.93	1390	12	23	905			
1946-47		86	0.2	1.37	994	11	20	567			

VERDUGO CHANNEL at Estelle Avenue (Drainage area 22.4 square miles) — F252R

1928-29	232	* 15	0	*	*140	4	4	* 56			
1929-30	242	14	0	0.04	274	5	3	80			
1930-31	317	8.4	0.01	0.20	145	4	26	46			
1931-32	131	39	0.1	0.98	713	2	9	145			
1932-33	249	42	0.1	0.41	295	1	19	391			
1933-34	249		0		**			N.D			
1934-35	273	* 85	0		*620	1	5	*1020			
1935-36	273	33	0	0.64	463	3	30	*1100			
1936-37	264		0		*1560	12	27	768			
1937-38	261	1500	0	7.52	5450	3	2	E 4400	2	28	1390
1938-39	159	78	0	1.96	1420	1	5	520	9	25	320
1939-40	157	60	+	1.97	1430	1	8	533			
1940-41	171	357	+	10.2	7370	2	19	1120			
1941-42	130	81	0.8	2.98	2160	12	10	440			
1942-43	171	1020	0.3	12.0	8690	1	23	3570			
1943-44	163	998	0.2	6.95	5040	2	22	3160			
1944-45	159	181	0.6	2.77	2010	2	2	1520			
1945-46		135	0.3	2.66	1930	12	22	816			
1946-47		234	0	2.68	1940	12	25	1860			
		10 YEAR MEAN DAILY		5.17							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.

WALNUT CREEK at Covina Boulevard (Drainage area 99.0 square miles) — F47R

1928-29	38	*55	0		* 112	3	10	*302			
1929-30	247	87	0	0.72	526	1	11	900			
1930-31	322	25	0	0.29	210	2	4	123			
1931-32	133	365	0	3.88	2820	2	9	1780			
1932-33	252	129	0	0.73	530	1	19	748			
1933-34	252	1770	0	8.71	6310	1	1	8060			
1934-35	277	321	0	2.66	1920	10	17	2340			
1935-36	277	291	0	2.29	1670	2	12	2450			
1936-37	266	611	0	5.94	4300	2	6	1980			
1937-38	266	2580	0	17.4	12610	3	2	4290	3	1	3450
1938-39	161	146	0	1.40	1010	12	18	751	9	25	284
1939-40	158	173	0	1.27	923	1	7	1870			
1940-41	173	561	0	10.1	7300	3	13	2680			
1941-42	131	52	0	0.30	216	12	10	223			
1942-43	172	1190	0	14.0	10140	1	23	4380			
1943-44	164	1010	0	4.26	2930	2	22	4220			
1944-45	160	358	0	2.09	1510	11	11	3210			
1945-46		620	0	3.80	2750	12	23	2430			
1946-47		100	0	1.26	910	11	23	610			
		18 YEAR MEAN DAILY		4.51							

* INDICATES RECORD INCOMPLETE.
** INDICATES RECORD NOT COMPUTED.
E INDICATES ESTIMATED.
N.D. INDICATES NOT DETERMINED, DUE TO INSUFFICIENT DATA.
\+ INDICATES 0.05 C.F.S. OR LESS.

DAM OPERATION RECORDS

DAMS, DEBRIS DAMS AND DEBRIS BASINS

FOREWORD

The District operated and maintained fourteen dams, four debris dams, and twenty-three debris basins during the 1945-46 and 1946-47 water years. The Los Angeles District, Corps of Engineers, War Department, operated and maintained Hansen Dam on the Tujunga Wash, Sepulveda Dam on the Los Angeles River, the partially completed 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	Dec. 1944	4714	28.2
2. Big Tujunga No. 1	July 1931	1928	6240	June 1944	4235	82.3
3. Devil's Gate	June 1920	1933	4601	Dec. 1943	2504	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	1946	674(2)	9.5
5. Big Santa Anita	Mar. 1927	1923	1376	Jan. 1947	728(2)	10.8
6. Sawpit	June 1927	1923	476	Dec. 1943	322	3.3
7. San Gabriel No. 2	Apr. 1934	Jan. 1936	12298	Sept.1947	10634(2)	39.2
8. San Gabriel No. 1	July 1939	1938(3)	53344	Nov. 1945	44342	163.5*(1
9. Big Dalton	Aug. 1929	1935(4)	1053	Oct. 1944	952	4.5
10. San Dimas	Sept.1922	1919	1496	Nov. 1944	1042	16.2
11. Puddingstone Div.***	July 1928	1929	148	Sept.1944	112	2.6
12. Puddingstone	Jan. 1928	1915	17398	Jan. 1941	17190	11.0**
13. Live Oak	Nov. 1922	1919	250	May 1938	228	2.3
14. Thompson Creek	Mar. 1928	Oct. 1932	812	Jan. 1943	612(5)	3.5
TOTAL			106508		88289	408.8

*EXCLUSIVE OF DRAINAGE AREA ABOVE SAN GABRIEL DAM NO. 2
**EXCLUSIVE OF DRAINAGE AREA ABOVE LIVE OAK, SAN DIMAS, AND PUDDINGSTONE DIV. DAMS.
***TEMPORARY STORAGE; FUNCTIONS PRIMARILY TO DIVERT FLOW.
(1)DRAINAGE AREA CORRECTED TO LATEST AVAILABLE U.S.G.S. TOPOGRAPHY.
(2)CORRECTED TO LATEST SURVEY.
(3)BASED ON A PARTIAL SURVEY PRIOR TO MARCH 2, 1938 AND EXTRAPOLATIONS.
(4)1935 IS DATE OF FIRST COMPLETE SURVEY, ORIGINAL RECONNAISSANCE SURVEY WAS IN 1923. EARLIER PUBLICATIONS SHOW STORAGE BASED ON VOLUMETRIC COMPUTATIONS WITH EXTRAPOLATIONS BASED ON THE 1923 SURVEY.
(5)LOSS IN STORAGE DUE TO LOWERING SPILLWAY LIP IN JANUARY 1942.

DEBRIS DAMS

Debris Dam	Date of Completion	Drainage Area in Sq. Mi.	Maximum Debris Capacity Cu. Yds.	Capacity at Beginning of 1946-47 Season-Cu.Yds.	Approx. Debris Deposition Cu.Yds. 1945-46	1946-47
1. Sunset	Nov. 1929	0.44	17,500	12,800	140	Negligible
2. Verdugo	Mar. 1935	10.01(1)	151,700(2)	112,900	Unknown	Unknown
3. Rubio	Apr. 1944	1.26	143,900	139,600	Unknown	680
4. Sierra Madre	Feb. 1928	2.39	81,200(3)	70,300(3)	Unknown	Unknown
TOTALS		14.10	394,300	335,600		

DEBRIS BASINS

Debris Basin	Date of Completion	Drainage Area in Sq.Mi.	Maximum Debris Capacity Cu.Yds.	Capacity at Beginning of 1946-47 Season-Cu.Yds.	Approx. Debris Deposition Cu.Yds. 1945-46	1946-47
1. Aliso-Wilbur	June 1942	8.63	50,300(2)	23,900	13,870	6,860
2. Vanalden	Apr. 1945	1.08	5,400	4,800	560	30
3. Nichols	Nov. 1937	0.94	32,200	26,800	220	5,650
4. Stough	Jan. 1941	1.65	103,700	92,900	Negligible	Negligible
5. Brand	Nov. 1935	1.03	72,500(2)	68,400	Negligible	140
6. Scholl	Aug. 1945	0.66	30,900	30,900	Negligible	680
7. Dunsmuir	Oct. 1936	0.84*	122,200	98,700	4,240	1,560
8. Ward	Dec. 1944	0.64*	6,700	5,500	Unknown	Unknown
9. Shields	Jan. 1937	0.27*	46,600(2)	43,700	460	20
10. Eagle	Oct. 1936	0.61	71,900	60,200	580	400
11. Pickens	Nov. 1935	1.84*	116,500(2)	90,200	670	1,100
12. Snover	Feb. 1937	0.23*	37,700(2)	22,600	Unknown	Unknown
13. Halls	Nov. 1935	1.06*(4)	104,000(2)	71,100	1,720	4,460
14. Sparr	Feb. 1947	0.84	9,900			Negligible
15. Hay	Oct. 1936	0.20	39,800(2)	36,200	Negligible	Negligible
16. Paradise	June 1944	1.05(5)	13,200(2)	13,200	1,430	1,550
17. Lincoln	Jan. 1936	0.50	40,800(2)	39,000	Negligible	1,610
18. West Ravine	Dec. 1935	0.25	49,600(2)	44,000	640	610
19. Fern	Dec. 1935	0.30	32,900(2)	26,200	1,330	220
20. Fair Oaks	Dec. 1935	0.21	28,500(2)	23,600	960	660
21. Las Flores	Apr. 1936	0.45	61,600(2)	57,900	690	480
22. Altadena C.C.	Approx.1915	0.65	12,900	12,900	Unknown	1,400
23. Bailey	Aug. 1945	0.57	10,200	9,400	780	Negligible
TOTALS		24.50	1,100,000			
Haines (6)	June 1938	1.53	158,600(2)	130,700	Negligible	920

(1) EXCLUDES 5.49 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY *.
(2) DESIGN CAPACITY ENLARGED BY CLEANOUT.
(3) DOES NOT INCLUDE DEBRIS CAPACITY ABOVE SPILLWAY ELEVATION.
(4) INCLUDES WEBBER CANYON.
(5) INCREASE DUE TO CONSTRUCTION OF ADDITIONAL INLET STRUCTURE.
(6) OWNED AND OPERATED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY.

PURPOSE

Dams in the Los Angeles County Flood Control District serve two purposes, the primary purpose being flood control, the secondary, conservation. Proper flood control operation precludes any appreciable conservation storage during the storm season as flood control demands that a maximum amount of storage capacity be kept in reserve. Conservation of flood waters by percolation in natural channels and off-channel spreading grounds is accomplished by regulated releases of storm waters.

Debris dams and debris basins serve primarily for the purpose of 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 the storm waters from the mountains. The storage of inflows for conservation purposes is usually commenced when the threat of the winter flood season is 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 1945-46 and 1946-47 seasons.

Dams	1945-46 Cu. Yds.	1946-47 Cu. Yds
Devil's Gate	8,809 (1)	81,400(1)
Devil's Gate	14,242 (2)	15,251 (2)
San Gabriel No. 1	170,000 (1)	
San Gabriel No. 2	142,800 (1)	60,339 (1)
Santa Anita	0	70,700 (1)
Pacoima	0	28,300 (1)
Total Cubic Yards	335,851	255,990

(1)BY SLUICING
(2)BY EXCAVATION; FROM RECORDS FURNISHED BY CITY OF PASADENA

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 interpolations from staff gage readings are obtained and recorded as of midnight of each day.

2. Storages 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 attributed to percolation and evaporation losses and are shown as total monthly and yearly losses. For San Gabriel Dams No. 1 and No. 2 reservoirs, total monthly evaporation losses are shown as determined from measurements made on floating evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with physical change in reservoirs. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally the error is small.

COMPLETE ANNUAL RESERVOIR OPERATION SUMMARY

A summary table showing total annual inflow, outflow, storages, and extremes for each of the fourteen District dams for each year of record is included in this report on page 383.

RESPONSIBILITY

The compilation of the records and assembly for publication during 1945-46 and 1946-47 was under the immediate supervision of H. A. van der Goot and W. E. Cole, assisted by F. H. Mellen.

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 was under the supervision of R. D. Reeve, Chief, Operation and Maintenance Division.

PACOIMA

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Paccima Canyon On for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1			0	0			0.5	0.5			0	0	1849.4	694.4	7.8	0.1	1
2			0.1	0.1			0.5	0.5			0	0	1850.1	708.3	7.3	0.1	2
3			0.1	0.1			0.5	0.5			0	0	1850.8	722.5	6.8	0.1	3
4			0.1	0.1			0.5	0.5			0	0	1851.3	732.6	6.3	0.1	4
5			0.2	0.2			0.5	0.5			0	0	1852.0	746.9	5.7	0.1	5
6			0.2	0.2			0.5	0.5			0	0	1852.4	755.2	5.2	0.1	6
7			0.3	0.3			0.4	0.4			0	0	1852.9	765.5	5.0	0.1	7
8			0.4	0.4			0.4	0.4			0	0	1853.3	773.9	4.7	0.1	8
9			0.4	0.4			0.4	0.4			0	0	1853.8	784.4	4.5	0.1	9
10			0.4	0.4			0.4	0.4			0	0	1854.2	792.8	4.3	0.1	10
11			0.4	0.4			0.5	0.5			0	0	1854.6	801.3	4.3	0.1	11
12			0.5	0.5			0.5	0.5			0	0	1854.9	807.7	4.1	0.1	12
13			0.5	0.5			0.4	0.4	1771.3	0.1	0.05	0	1855.2	814.1	3.8	0.1	13
14			0.5	0.5			0.4	0.4	1771.8	0.1	0	0	1855.5	820.5	3.4	0.1	14
15			0.5	0.5			0.4	0.4	1772.4	0.2	0.05	0	1855.9	829.1	3.2	0.1	15
16			0.5	0.5			0.2	0.2	1773.1	0.3	0.05	0	1856.2	835.5	3.2	0.1	16
17			0.5	0.5			0	0	1773.8	0.4	0.05	0	1856.4	839.9	3.2	0.1	17
18			0.5	0.5			0	0	1774.3	0.5	0.05	0	1856.7	846.4	3.2	0.1	18
19			0.5	0.5			0	0	1774.8	0.6	0.05	0	1857.0	852.9	3.1	0.1	19
20			0.5	0.5			0	0	1775.4	0.7	0.1	0	1857.3	859.5	3.1	0.1	20
21			0.5	0.5			0	0	1786.8	11.1	5.1	0	1857.5	863.9	3.0	0.1	21
22			0.5	0.5			0	0	1818.9	225.3	108	0	1857.8	870.5	2.9	0.1	22
23			0.5	0.5			0	0	1839.4	512.2	144.7	0	1858.0	874.9	2.8	0.1	23
24			0.5	0.5			0	0	1843.1	576.2	44.8	12.5	1858.3	881.6	2.7	0.1	24
25			0.5	0.5			0	0	1842.7	569.1	25.9	29.5	1858.5	886.1	2.5	0.1	25
26			0.5	0.5			0	0	1843.1	576.2	18.7	15.1	1858.8	892.8	2.4	0.1	26
27			0.5	0.5			0	0	1844.6	603.1	13.6	0	1859.0	897.3	2.4	0.1	27
28			0.5	0.5			0	0	1845.9	627.1	12.1	0	1859.2	901.8	2.3	0.1	28
29			0.6	0.6			0	0	1846.9	645.8	9.4	0	1859.4	906.3	2.3	0.1	29
30			0.6	0.6			0	0	1847.9	665.0	9.7	0	1859.5	908.6	2.4	0.1	30
31			0.5	0.5					1848.7	680.6	7.8	0	1859.7	913.1	2.4	0.1	31
TOTAL			12.8	12.8			7.0	7.0			400.2	57.1			120.3	3.1	
Inf. Ac. Ft.			25.4				13.9				794.0				238.6	10.719	
Outf. Ac. Ft.				25.4				13.9				113.3			6.1	15.87	
Maximum Mean Daily Inflow			0.6				0.5				14.6				7.8	14.46	
Minimum Mean Daily Inflow			0				0				0				2.3	0	
Storage Change											+680.6				+232.5	+91.31	½ Year

*No Record — Storage Negligible

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1929.8	feet on 5/6/46	Storage 3524.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1770 ±	feet on VARIOUS DAYS	Storage NEGLIGIBLE	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied FHM	APK 5/22/47
Max. Peak Inf.	564	C. F. S. from 7:30 A.M. on 3/30/46	to 8:00 A.M. on	3/30/46	L. J. TURNER	Hydrographer	Storage applied FHM	APK "
Max. Peak Outf.	241	C. F. S. from 6:00 A.M. on 2/5/46	to 2:00 P.M. on	2/5/46		Hydrographer	Inf. & Outf. comp. FHM	APK 5/23/47

REMARKS * NO RECORD DUE TO CONSTRUCTION IN RESERVOIR — JHL 7/21/47

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon On for the Year Ending September 30, 1946.

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C.F.S. Inflow	FEBRUARY C.F.S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C.F.S. Inflow	MARCH C.F.S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C.F.S. Inflow	APRIL C.F.S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C.F.S. Inflow	MAY C.F.S. Outflow	Day
1	1859.9	917.6	2.4	0.1	1844.0	592.2	2.4	0	1898.1	2060.6	104.1	0.1	1928.8	3470.4	7.0	0.3	1
2	1860.1	922.2	2.4	0.1	1844.2	595.8	2.4	0	1902.2	2221.2	81.0	0.1	1929.0	3481.1	6.7	0.3	2
3	1861.4	952.1	15.2	0.1	1844.5	601.3	2.4	0	1905.3	2348.0	64.1	0.1	1929.3	3497.3	6.5	0.3	3
4	1862.4	975.4	11.8	0.1	1844.8	606.8	2.3	0	1907.6	2445.1	49.0	0.1	1929.5	3508.1	6.4	0.2	4
5	1851.2	730.6	13.6	13.7	1845.0	610.4	2.3	0	1909.5	2527.1	41.5	0.1	1929.7	3518.9	6.3	0.2	5
6	1838.8	502.2	14.8	13.0	1845.3	616.0	2.2	0.1	1911.5	2615.4	44.6	0.1	1929.7	3518.9	6.1	7.2	6
7	1834.5	433.2	6.3	4.1	1845.5	619.7	2.2	0.1	1913.4	2701.1	43.3	0.1	1929.5	3508.1	6.0	10.3	7
8	1835.1	442.5	5.0	0	1845.7	623.4	2.2	0.1	1914.8	2765.5	32.6	0.1	1929.3	3497.3	5.9	9.6	8
9	1835.7	451.9	4.4	0	1845.9	627.1	2.1	0.1	1916.2	2831.1	33.1	0.1	1929.2	3491.9	5.8	8.6	9
10	1836.2	459.8	4.0	0	1846.1	630.8	2.1	0.1	1917.4	2888.2	28.9	0.1	1929.1	3486.5	5.7	8.8	10
11	1836.8	469.4	4.0	0	1846.3	634.5	3.0	0.1	1918.4	2936.3	24.5	0.2	1929.0	3481.1	5.6	9.2	11
12	1837.2	475.9	4.0	0	1846.5	638.3	3.0	0.1	1919.4	2985.2	24.8	0.2	1928.9	3475.8	5.6	9.5	12
13	1837.7	484.0	3.9	0	1846.9	645.8	3.0	0.1	1920.3	3029.6	22.6	0.2	1928.7	3465.1	5.5	9.6	13
14	1838.2	492.2	3.9	0	1847.3	653.5	3.0	0.1	1921.1	3069.5	20.3	0.2	1928.6	3459.7	5.5	9.5	14
15	1838.6	498.9	3.9	0	1847.6	659.2	2.9	0.1	1921.9	3109.9	20.6	0.2	1928.4	3449.0	5.5	9.5	15
16	1839.2	508.9	3.9	0	1847.9	665.0	3.0	0.1	1922.6	3145.4	18.1	0.2	1928.2	3438.3	5.4	9.5	16
17	1839.7	517.3	3.9	0	1848.1	668.9	2.0	0.1	1923.2	3176.1	15.7	0.2	1928.1	3433.0	5.4	9.5	17
18	1840.1	524.0	3.9	0	1848.4	674.7	3.1	0.1	1923.8	3207.0	15.7	0.2	1927.9	3422.9	5.3	9.5	18
19	1840.5	530.9	3.9	0	1849.8	702.3	14.0	0.1	1924.4	3238.1	15.9	0.2	1927.7	3411.7	5.1	9.5	19
20	1840.9	537.7	3.9	0	1850.7	720.4	9.2	0.1	1924.9	3264.1	13.3	0.2	1927.6	3406.4	4.8	9.4	20
21	1841.3	544.6	3.4	0	1851.5	736.7	8.3	0.1	1925.4	3290.3	12.8	0.2	1927.4	3395.7	4.7	9.4	21
22	1841.7	551.6	3.4	0	1852.0	746.9	5.3	0.1	1925.8	3311.2	11.4	0.2	1927.2	3385.1	4.6	10.3	22
23	1842.0	556.8	3.4	0	1852.5	757.3	5.3	0.1	1926.2	3332.3	10.9	0.3	1927.0	3374.5	4.5	10.3	23
24	1842.4	563.8	3.3	0	1853.0	767.6	5.3	0.1	1926.6	3353.4	10.8	0.3	1926.8	3363.9	4.4	10.3	24
25	1842.8	570.9	3.3	0	1853.4	776.0	4.3	0.1	1926.9	3369.2	10.1	0.3	1926.6	3353.4	4.3	10.5	25
26	1843.1	576.2	2.7	0	1853.8	784.4	4.4	0.1	1927.3	3390.4	9.9	0.3	1926.3	3337.5	4.2	10.5	26
27	1843.4	581.5	2.7	0	1854.2	792.8	4.3	0.1	1927.6	3406.4	9.3	0.3	1926.1	3327.0	4.0	10.3	27
28	1843.7	586.9	2.6	0	1854.9	807.7	7.6	0.1	1927.9	3422.9	8.6	0.3	1925.9	3316.5	3.8	9.9	28
29					1855.8	826.9	9.8	0.1	1928.2	3438.3	8.2	0.3	1925.7	3306.0	3.5	9.6	29
30					1881.5	1484.7	331.7	0.1	1928.5	3454.4	7.0	0.3	1925.4	3290.3	3.3	10.7	30
31					1892.5	1854.4	186.5	0.1					1925.0	3269.3	2.8	11.2	31
TOTAL			143.9	30.8.4			641.6	2.6			812.5	5.8			160.2	253.5	
Inf. Ac. Ft.			285.4				1272.6				1611.6				317.8	455.93	
Outf. Ac. Ft.				611.7				5.2				11.5			502.8	1289.9	
Maximum Mean Daily Inflow			15.2				331.7				104.1				7.0	331.7	
Minimum Mean Daily Inflow			2.4				2.0				7.0				2.8	0	
Storage Change			-326.2				+1267.5				+1600.0				-185.1	+3269.3	⅛ Year

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1929.8	feet on 5/6/46	Storage 3524.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1770 ±	feet on VARIOUS DAYS	Storage NEGLIGIBLE	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied FHM	APK 5/22/47
Max. Peak Inf.	564	C. F. S. from 7:30 A.M. on 3/30/46	to 8:00 A.M. on	3/30/46	L. J. TURNER	Hydrographer	Storage applied FHM	APK "
Max. Peak Outf.	241	C. F. S. from 6:00 A.M. on 2/5/46	to 2:00 P.M. on	2/5/46		Hydrographer	Inf. & Outf. comp. FHM	APK 5/23/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION — JHL 7/21/47

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 86C Revised 5/50 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1946.

On

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4711.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December 1946 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1924.7	3253.7	(20	11.4	1917.8	2907.3	0	4.6	1909.6	2531.5	0	8.2	1897.3	2030.3	0	7.9	1
2	1924.3	3232.9	19	10.9	1917.7	2902.5	0	4.6	1909.2	2514.0	0	8.7	1896.9	2015.2	0	7.8	2
3	1924.0	3217.3	15	10.6	1917.5	2893.0	0	4.6	1908.8	2496.7	0	8.2	1896.5	2000.3	0	7.8	3
4	1923.6	3196.7	14	10.5	1917.3	2883.4	0	4.6	1908.4	2479.4	0	8.4	1896.1	1985.3	0	7.8	4
5	1923.3	3181.3	12	10.5	1917.1	2873.8	0	4.5	1908.0	2462.2	0	8.3	1895.7	1970.5	0	7.8	5
6	1922.9	3160.7	11	10.5	1917.0	2869.0	0	4.5	1907.7	2449.4	0	8.3	1895.2	1952.1	0	7.9	6
7	1922.5	3140.4	10	10.5	1916.8	2859.5	0	4.5	1907.3	2432.3	0	8.3	1894.8	1937.4	0	7.8	7
8	1922.1	3120.0	0.8	10.5	1916.6	2850.0	0	4.5	1906.9	2415.3	0	8.0	1894.4	1922.9	0	7.8	8
9	1921.7	3099.8	0.8	10.5	1916.4	2840.6	0	4.5	1906.6	2402.6	0	5.5	1894.0	1908.3	0	7.8	9
10	1921.4	3084.7	0.7	10.5	1916.2	2831.1	0	4.5	1906.3	2389.9	0	6.8	1893.5	1890.3	0	7.8	10
11	1921.2	3074.6	0.7	4.6	1916.0	2821.6	0	4.5	1905.9	2373.0	0	7.9	1893.1	1875.9	0	7.8	11
12	1921.2	3074.6	0.7	2.2	1915.8	2812.2	0	4.4	1905.5	2356.4	0	7.9	1892.7	1861.6	0	7.8	12
13	1921.0	3064.5	0.6	4.9	1915.6	2802.8	0	4.4	1905.1	2339.7	0	7.9	1892.2	1843.7	0	7.7	13
14	1920.8	3054.5	0.6	4.9	1915.4	2793.5	0	4.4	1904.7	2323.1	0	7.9	1891.8	1829.4	0	7.8	14
15	1920.7	3049.6	0.5	4.9	1915.3	2788.8	0	4.4	1904.3	2306.5	0	7.9	1891.4	1815.3	0	7.8	15
16	1920.5	3039.6	0.5	4.8	1915.1	2779.4	0	4.4	1903.9	2290.0	0	7.9	1890.9	1797.6	0	7.8	16
17	1920.3	3029.6	0.5	4.8	1914.9	2770.1	0	4.4	1903.5	2273.8	0	7.9	1890.5	1783.5	0	5.8	17
18	1920.1	3019.7	0.4	4.8	1914.7	2760.8	0	4.4	1903.1	2257.5	0	7.9	1890.3	1776.5	0	4.3	18
19	1919.9	3009.8	0.4	4.8	1914.5	2751.6	0	4.4	1902.7	2241.3	0	7.9	1890.0	1765.9	0	4.3	19
20	1919.7	2999.9	0.4	4.8	1914.3	2742.4	0	4.4	1902.3	2225.2	0	7.9	1889.8	1758.9	0	4.3	20
21	1919.6	2995.0	0.4	4.8	1914.1	2733.1	0	4.4	1901.9	2209.1	0	8.0	1889.5	1748.5	0	4.3	21
22	1919.4	2985.2	0.3	4.7	1913.9	2723.9	0	4.4	1901.5	2193.0	0	8.2	1889.3	1741.5	0	4.3	22
23	1919.2	2975.3	0.3	4.7	1913.7	2714.8	0	7.4	1901.1	2177.3	0	8.0	1889.1	1734.6	0	4.3	23
24	1919.0	2965.5	0.3	4.7	1913.3	2696.5	0	8.6	1900.7	2161.5	0	8.0	1888.8	1724.2	0	4.3	24
25	1918.9	2960.6	0.3	4.7	1912.8	2673.8	0	9.8	1900.3	2145.8	0	7.9	1888.6	1717.3	0	4.3	25
26	1918.7	2950.9	0.3	4.1	1912.4	2655.7	0	9.2	1899.9	2130.1	0	7.9	1888.3	*707.0	0	4.3	26
27	1918.5	2941.2	0.2	4.6	1911.9	2633.2	0	11.2	1899.5	2114.6	0	7.9	1888.0	1696.7	0	4.3	27
28	1918.4	2936.3	0.2	4.6	1911.4	2610.9	0	11.2	1899.0	2095.1	0	7.8	1887.8	1689.9	0	4.3	28
29	1918.2	2926.6	0.2	4.6	1910.9	2588.6	0	9.8	1898.6	2079.8	0	7.9	1887.5	1679.7	0	4.3	29
30	1918.0	2916.9	(0.1	4.6	1910.4	2566.5	0	10.4	1898.2	2064.5	0	7.9	1887.3	1672.9	0	4.3	30
31					1910.0	2548.9	0	8.4	1897.8	2049.2	0	7.9					31
TOTAL			20.3	198.0			0	184.3			0	245.1			0	186.6	
Inf. Ac. Ft.			40.3				0				0				0	459.6	
Outf. Ac. Ft.				392.7			365.6 + (2.4)				486.1 + (3.5)				370.1 + (6.1)		2904.4 + (22.0)
Maximum Mean Daily Inflow			2.0				0				0				0	33.1.7	
Minimum Mean Daily Inflow			0.1				0				0				0	0	
Storage Change			-352.4				-368.0				-499.7				-376.3	+1672.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1929.8	feet on 5/6/46	Storage 3524.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1770 ±	feet on VARIOUS DAYS	Storage NEGLIGIBLE	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied	FHM APK 5/22/47
Max. Peak Inf.	564	C. F. S. from 7:30 A.M. on 3/30/46	to 8:00 A.M. on	3/30/46	L. J. TURNER	Hydrographer	Storage applied	FHM APK "
Max. Peak Outf.	241	C. F. S. from 6:00 A.M. on 2/5/46	to 2:00 P.M. on	2/5/46		Hydrographer	Inf. & Outf. comp.	JHL 7/21/47

REMARKS ( ) INDICATES TOTAL MONTHLY LOSS DUE TO EVAPORATION

{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 86A Revised 5/50 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 1947.

On

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4711.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December 1946 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1887.1	1666.1	(0.6	4.6			0	0	1864.4	1023.4	12.2	0	1880.4	1451.0	35.7	0	1
2	1886.9	1659.4	0.4	4.3			0	0	1865.2	1042.9	9.8	0	1882.5	1515.8	32.7	0	2
3	1886.7	1652.7	0.4	4.3			0	0	1866.0	1062.6	10.0	0	1884.3	1573.4	29.0	0	3
4	1886.4	1642.6	0.1	4.3	1771.8	0.1	0.1	0	1866.7	1080.1	8.8	0	1886.0	1629.2	28.1	0	4
5	1886.1	1632.6	0	4.3	1775.5	0.7	0.3	0	1867.3	1095.2	7.6	0	1887.4	1676.3	23.8	0	5
6	1885.8	1622.6	0	(4.3	1777.9	1.5	0.4	0	1868.4	1123.0	14.0	0	1885.2	1602.7	23.0	c 60.1	6
7	1885.6	1616.0	0	4.3	1779.8	2.4	0.4	0	1869.5	1151.0	14.1	0	1871.3	1197.4	22.0	2264	7
8	1885.3	1606.0	0	4.3	1781.8	3.9	0.8	0	1870.3	1171.5	10.4	0	1853.7	782.3	21.0	2302	8
9	1885.0	1596.1	0	4.3	1783.0	5.1	0.6	0	1870.9	1187.0	7.8	0	1832.6	404.3	20.0	c2106	9
10	1884.8	1589.6	0	4.3	1784.4	7.0	0.9	0	1871.5	1202.6	7.8	0	1804.6	93.0	19.0	c1760	10
11	1884.5	1579.9	0	4.3	1786.0	9.6	1.3	0	1872.1	1218.3	(7.6	0	1795.4	37.8	(17.6	454	11
12	1884.2	1570.1	0	4.3	1788.2	14.1	2.3	0	1872.7	1234.2	7.3	0	1788.6	14.8	16.6	282	12
13	1884.0	1563.6	0	4.3	1793.0	28.0	7.0	0	1873.2	1247.5	7.3	0	1788.8	15.4	15.7	154	13
14	1883.7	1554.0	0	4.3	1798.0	50.4	11.3	0	1873.7	1260.9	7.1	0	1796.9	44.8	14.8	0	14
15	1883.5	1547.6	0	4.3	1800.8	66.9	8.3	0	1874.2	1274.3	6.9	0	1801.6	72.1	13.8	0	15
16	1883.3	1541.2	(0.5	4.3	1802.2	76.1	4.7	0	1874.4	1279.8	6.8	c 4.0	1805.2	97.5	12.8	0	16
17	1883.0	1531.6	0.2	4.3	1803.1	82.2	3.0	0	1871.3	1197.4	6.5	4.8.1	1808.2	121.5	12.1	0	17
18	1882.7	1522.2	0	c 4.3	1803.8	87.2	2.6	0	1857.7	868.3	6.2	172.1	1810.9	145.0	11.9	0	18
19	1882.5	1515.8	0	4.3	1804.6	93.0	2.9	0	1843.0	574.4	5.9	154.1	1813.3	167.4	11.2	0	19
20	1880.4	1451.0	0	32.1	1827.2	327.6	118.3	0	1826.9	523.6	5.6	c132.0	1815.4	188.2	10.5	0	20
21	1870.5	1176.7	0	138.3	1834.7	436.3	54.8	0	1827.7	534.4	5.6	0	1817.4	209.0	10.5	0	21
22	1858.3	881.6	0	148.7	1838.2	492.2	28.2	0	1828.6	546.8	5.5	0	1819.1	227.5	9.3	0	22
23	1843.0	574.4	0	154.9	1846.2	632.7	70.8	0	1829.3	556.5	5.5	0	1820.8	247.1	9.9	0	23
24	1821.2	251.8	0	162.7	1851.8	742.8	55.5	0	1830.5	573.5	8.5	0	1822.4	266.2	9.7	0	24
25	1782.0	4.0	0	c124.9	1855.2	814.1	35.9	0	1835.9	655.0	41.1	0	1823.8	283.4	8.6	0	25
26	Reservoir down		0	(0.5	1857.6	864.1	26.3	0	1852.2	751.0	149.3	0	1825.1	299.9	8.3	0	26
27	to inspect		0	0.4	1859.5	908.6	21.4	0	1860.6	933.6	92.0	0	1826.3	315.6	8.0	0	27
28	sluice gate		0	0.4	1861.0	942.8	17.2	0	1866.7	1080.1	73.9	0	1828.6	346.8	17.1	1.4	28
29			0	0.4	1862.3	973.1	15.3	0	1871.4	1200.0	60.4	0	1830.2	369.2	14.1	2.8	29
30			0	0.3	1863.4	999.2	13.2	0	1875.1	1298.9	49.9	0	1831.7	390.9	10.9	0	30
31			0	0					1878.0	1380.2	41.0	0	1832.9	408.8	9.1	0	31
TOTAL			2.2	845.6			503.8	0			702.4	510.3			506.8	996.5	
Inf. Ac. Ft.			4.4				999.3				1392.2				1005.2	3402.1	
Outf. Ac. Ft.				1677.2				0				1012.2			1976.5	4665.9	
Maximum Mean Daily Inflow			0.6				118.3				149.3				35.7	149.3	
Minimum Mean Daily Inflow			0				0				5.5				8.0	0	
Storage Change			-1672.9				+999.2				+381.0				-971.4	-1264.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1888.0	feet on 1/6/47	Storage 1696.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev. **		feet on	Storage 0	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied	LT JHL 12/19/47
Max. Peak Inf.	282	C. F. S. from 12:00 NOON on 11/20/46	to 1:00 P.M. on	11/20/46	L. J. TURNER	Hydrographer	Storage applied	LT JHL "
Max. Peak Outf.	237	C. F. S. from 11:30 A.M. on 1/7/47	to	on	F. E. STUNDEN	Hydrographer	Inf. & Outf. comp.	LT JHL "

REMARKS ** NO STORAGE SEVERAL MONTHS DURING YEAR

{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS.

C COMPUTED FROM MEAN INFLOW AND CHANGE IN STORAGE NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

PACOIMA (cont'd)

F. C. Dist. Form 68S Revised 506 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 47

On

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1834.1	427.0	9.2	0	1841.6	549.8	[4.9	4.6	1836.6	466.2	[4.6	5.9	1819.8	235.5	[1.4	6.8	1
2	1835.2	444.0	8.5	0	1841.7	551.6	4.9	4.6	1836.4	463.0	4.6	5.9	1818.8	224.2	1.3	6.8	2
3	1836.2	459.8	8.0	0	1841.7	551.6	4.9	4.5	1836.2	459.8	4.5	5.9	1817.8	213.3	1.2	6.8	3
4	1837.2	475.9	8.1	0	1841.7	551.6	4.9	4.5	1836.0	456.6	4.4	6.0	1816.7	201.6	1.1	6.8	4
5	1838.1	490.6	7.4	0	1841.8	553.3	4.9	4.5	1835.7	451.9	4.0	6.0	1815.6	190.2	0.9	6.8	5
6	1839.0	505.5	7.6	0	1841.8	553.3	[4.8	4.4	1835.4	447.2	3.6	6.0	1814.5	179.2	[0.8	6.8	6
7	1839.7	517.3	7.4	c 1.5	1841.8	553.3	4.5	4.5	1835.0	440.9	3.3	6.0	1813.3	167.4	0.8	6.8	7
8	1840.0	522.3	7.2	c 4.7	1841.7	551.6	4.0	4.5	1834.7	436.3	3.0	6.0	1812.0	155.1	0.8	6.8	8
9	1840.2	525.7	7.0	c 5.3	1841.8	553.3	3.8	3.0	1834.3	430.1	2.9	6.0	1810.8	144.1	0.8	6.4	9
10	1841.1	541.1	7.8	0	1842.0	556.8	3.7	2.4	1833.9	424.0	2.7	6.0	1809.6	133.4	0.8	6.3	10
11	1841.6	549.8	7.5	c 3.1	1842.1	558.6	3.6	3.0	1833.4	416.4	[2.5	6.1	1808.5	124.0	0.8	5.9	11
12	1841.7	551.6	[6.9	6.0	1842.0	556.8	3.5	4.8	1832.8	407.3	2.4	6.2	1807.3	114.1	0.8	5.8	12
13	1841.7	551.6	6.4	5.9	1841.5	548.1	3.5	7.0	1832.2	398.3	2.4	6.4	1806.1	104.4	0.8	5.7	13
14	1841.8	553.3	6.2	5.9	1841.1	541.1	3.4	6.9	1831.6	389.5	2.3	6.4	1804.6	93.0	0.8	c 6.6	14
15	1841.8	553.3	[6.1	6.0	1840.7	534.3	3.3	7.0	1831.0	380.7	2.3	6.4	1803.1	82.2	0.8	6.5	15
16	1841.8	553.3	[6.0	6.0	1840.2	525.7	3.2	7.1	1830.7	376.4	2.3	3.8	1801.6	72.1	0.8	6.1	16
17	1841.8	553.3	5.9	6.0	1839.7	517.3	3.1	7.1	1830.0	366.3	2.3	6.6	1800.2	63.1	0.8	5.4	17
18	1842.0	556.8	5.8	3.6	1839.2	508.9	3.0	7.2	1829.3	356.5	2.2	6.6	1798.8	54.9	0.8	5.5	18
19	1842.2	560.3	5.7	4.9	1838.8	502.2	2.9	7.2	1828.6	346.8	2.2	6.8	1796.8	44.2	0.8	5.8	19
20	1842.1	558.6	[5.4	6.4	1838.5	497.2	[4.6	7.1	1827.8	335.8	2.1	6.8	1794.0	31.8	0.8	5.7	20
21	1841.9	555.1	[5.3	6.3	1838.3	493.9	4.4	7.1	1827.2	327.6	2.0	6.8	1790.9	21.0	0.8	5.5	21
22	1841.8	553.3	[5.2	6.1	1838.1	490.6	4.2	7.1	1826.5	318.3	1.9	6.8			0.8	4.9	22
23	1841.7	551.6	[5.0	6.1	1837.7	484.0	4.0	7.1	1825.8	309.0	1.9	6.8			0.8	3.6	23
24	1841.6	549.8	[4.7	5.4	1837.4	479.1	4.0	6.4	1825.1	299.9	1.8	6.9			0.7	0.8	24
25	1841.6	549.8	4.6	4.6	1837.1	474.2	3.9	5.7	1824.4	291.0	1.7	6.8			0.7	0.6	25
26	1841.6	549.8	4.6	4.6	1836.7	467.8	[3.8	5.9	1823.8	283.4	1.7	6.8			0.7	1.4	26
27	1841.6	549.8	4.6	4.6	1836.4	463.0	[3.7	5.9	1823.1	274.7	1.6	6.8			1.7	1.8	27
28	1841.6	549.8	4.6	4.6	1836.7	467.8	8.5	6.0	1822.3	265.0	1.6	6.8			1.3	1.6	28
29					1836.9	471.0	7.6	6.0	1821.5	255.4	1.5	6.8			0.8	2.9	29
30					1836.9	471.0	6.0	6.0	1820.7	245.9	[1.5	6.6			0.8	1.3	30
31					1836.7	467.8	4.4	6.0							0.8	0	31
TOTAL			178.7	107.6			133.8	175.1			77.8	189.7			27.8	150.5	
Inf. Ac. Ft.			354.4				265.4				154.3				55.1	423.13	
Outf. Ac. Ft.				213.4				347.3				376.3			29.85	590.14	
Maximum Mean Daily Inflow			9.2				8.4				4.6				1.7	149.3	
Minimum Mean Daily Inflow			4.6				2.9				1.5				0.7	0	
Storage Change			+141.0				-82.0				-221.9				-243.4	-167.4	
																% Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1888.0	feet	on	1/6/47	Storage	1696.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	**	feet	on		Storage	0	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied	LT	JHL 12/19/47
Max. Peak Inf.	282	C. F. S. from	12:00 NOON	on	11/20/46	to	1:00 P.M.	on 11/20/46	L. J. TURNER	Hydrographer	Storage applied	LT	JHL "
Max. Peak Outf.	237	C. F. S. from	AT 11:30 A.M.	on	1/7/47	to		on	F. E. STUNDEN	Hydrographer	Inf. & Outf. comp.	LT	JHL "

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
c COMPUTED FROM MEAN INFLOW AND CHANGE IN STORAGE
** NO STORAGE SEVERAL MONTHS DURING YEAR
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 68C Revised 580 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 47

On

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1			0.8	0			0.8	0.8			0.4	0.4			0.4	0.4	1
2			0.8	0.6			0.7	0.7			0.4	0.4			0.4	0.4	2
3			0.8	3.0			0.7	0.7			0.4	0.4			0.4	0.4	3
4	Dry		0.8	0.8			0.7	0.7			0.4	0.4			0.4	0.4	4
5			0.8	0.8			0.7	0.7			0.4	0.4			0.4	0.4	5
6			0.8	0.8			0.7	0.7			0.4	0.4			0.4	0.4	6
7			0.8	0.8			0.6	0.6			0.4	0.4			0.4	0.4	7
8			0.8	0.8			0.6	0.6			0.4	0.4			0.4	0.4	8
9			0.8	0.8			0.6	0.6			0.4	0.4			0.4	0.4	9
10			0.8	0.8			0.6	0.6			0.4	0.4			0.4	0.4	10
11			0.8	0.8			0.5	0.5			0.4	0.4			0.4	0.4	11
12			0.8	0.8			0.5	0.5			0.4	0.4			0.4	0.4	12
13			0.8	0.8			0.5	0.5			0.4	0.4			0.4	0.4	13
14			0.8	0.8			0.5	0.5			0.4	0.4			0.4	0.4	14
15			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	15
16			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	16
17			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	17
18			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	18
19			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	19
20			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	20
21			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	21
22			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	22
23			0.8	0.8			0.4	0.4			0.4	0.4			0.2	0.2	23
24			0.8	0.8			0.4	0.4			0.4	0.4			0.3	0.3	24
25			0.9	0.9			0.4	0.4			0.4	0.4			0.3	0.3	25
26			0.9	0.9			0.4	0.4			0.4	0.4			0.3	0.3	26
27			0.9	0.9			0.4	0.4			0.4	0.4			0.3	0.3	27
28			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	28
29			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	29
30			0.8	0.8			0.4	0.4			0.4	0.4			0.4	0.4	30
31							0.4	0.4			0.4	0.4					31
TOTAL			24.3	25.5			15.5	15.5			12.4	12.4			10.9	10.9	
Inf. Ac. Ft.			48.2				30.7				24.6				21.6	4356.4	
Outf. Ac. Ft.				50.6				30.7				24.6			21.6	6028.2	
Maximum Mean Daily Inflow			0.9				0.8				0.4				0.4	149.3	
Minimum Mean Daily Inflow			0.8				0.4				0.4				0.2	0	
Storage Change			-2.5				0				0				0	-1672.9	
																Yearly Totals	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1888.0	feet	on	1/6/47	Storage	1696.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	**	feet	on		Storage	0	Acre Feet	L. L. MOORE	Dam Tender	Gage Hts. copied		
Max. Peak Inf.	282	C. F. S. from	12:00 NOON	on	11/20/46	to	1:00 P.M.	on 11/20/46	L. J. TURNER	Hydrographer	Storage applied	
Max. Peak Outf.	237	C. F. S. from	AT 11:30 A.M.	on	1/7/47	to		on	F. E. STUNDEN	Hydrographer	Inf. & Outf. comp.	LT JHL 12/19/47

REMARKS ** NO STORAGE SEVERAL MONTHS DURING YEAR
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

APK 1/19/48

No g.h. record due to sluicing. Monthly totals based on measured inflow and outflow.

BIG TUJUNGA

F. C. Dist. Form 86A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam #1

In Big Tujunga Canyon for the Year Ending September 30, 19 46

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 1946 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2242.1	1501.3	17	9.5	2225.2	969.3	5.0	13.8	2205.4	507.0	4.5	3.5	2214.9	709.9	14.1	11.8	1
2	2241.7	1487.1	1.8	9.5	2224.4	947.4	4.0	13.6	2205.4	507.0	3.5	3.5	2215.1	714.5	14.1	11.8	2
3	2241.2	1469.5	1.8	9.6	2223.7	928.5	3.0	13.4	2205.5	508.9	4.3	3.4	2215.3	719.2	14.2	11.8	3
4	2240.7	1452.0	1.8	9.6	2222.8	904.5	2.5	13.2	2205.6	510.8	4.4	3.4	2215.4	721.6	13.1	11.9	4
5	2240.3	1438.1	1.8	9.4	2222.1	886.1	2.1	13.0	2205.7	512.7	4.3	3.4	2215.4	721.6	12.0	12.0	5
6	2239.9	1424.3	1.8	9.3	2221.4	868.0	3.8	12.8	2205.8	514.7	4.4	3.4	2215.4	721.6	12.1	12.1	6
7	2239.5	1410.7	1.8	9.2	2220.8	852.6	3.6	12.6	2205.8	514.7	3.4	3.4	2215.3	719.2	11.0	12.2	7
8	2239.1	1397.0	1.8	9.1	2220.0	832.4	3.8	12.5	2205.9	516.6	4.4	3.4	2215.3	719.2	12.3	12.3	8
9	2238.7	1383.5	1.8	9.0	2219.3	815.0	3.6	12.5	2206.0	518.5	4.5	3.5	2215.1	714.5	10.0	12.4	9
10	2238.3	1370.1	1.8	8.9	2218.6	797.8	3.7	12.5	2206.0	518.5	3.5	3.5	2215.0	712.2	11.4	12.5	10
11	2237.9	1356.7	1.9	8.8	2217.8	778.4	3.5	12.5	2206.1	520.5	4.6	3.6	2214.8	707.6	10.2	12.5	11
12	2237.4	1340.1	1.9	8.8	2217.1	761.6	3.5	12.4	2206.1	520.5	3.6	3.6	2214.6	703.0	10.1	12.5	12
13	2237.0	1326.9	1.9	8.8	2216.4	745.0	3.5	12.4	2206.2	522.4	4.5	3.6	2214.3	696.1	9.0	12.4	13
14	2236.6	1313.8	1.9	8.8	2215.6	726.2	3.4	12.4	2206.2	522.4	3.6	3.6	2214.1	691.5	9.9	12.4	14
15	2236.2	1300.7	1.9	8.8	2214.9	709.9	3.4	12.4	2206.3	524.4	4.6	3.6	2213.9	686.9	10.0	12.3	15
16	2235.8	1287.7	2.0	8.8	2214.1	691.5	2.8	12.2	2206.4	526.3	4.5	3.5	2213.7	682.4	10.1	12.3	16
17	2235.3	1271.6	2.0	8.8	2213.4	675.5	2.8	11.9	2206.5	528.3	4.5	3.5	2213.4	675.5	8.8	12.3	17
18	2235.0	1261.9	1.9	8.8	2212.6	657.4	2.8	11.6	2206.6	530.3	4.4	3.4	2213.2	671.0	9.9	12.2	18
19	2234.3	1239.6	1.9	12.0	2211.8	639.5	2.8	11.4	2206.7	532.2	4.4	3.4	2212.8	661.9	9.1	13.7	19
20	2233.6	1217.5	1.9	13.8	2211.0	621.8	2.7	11.2	2206.8	534.2	4.4	3.4	2212.3	650.7	9.1	14.7	20
21	2232.8	1192.5	2.6	13.9	2210.2	604.4	2.5	10.9	2217.7	776.0	125.3	3.4	2212.0	643.9	8.4	11.9	21
22	2232.1	1170.9	2.7	14.0	2209.4	587.3	2.5	10.9	2225.0	963.8	397.7	303.0	2211.8	639.5	9.6	11.8	22
23	2231.4	1149.5	2.7	14.2	2208.5	568.5	2.5	10.9	2225.8	986.0	310.2	299.0	2211.5	632.9	8.4	11.7	23
24	2230.6	1125.3	2.7	14.4	2207.7	552.2	2.4	10.9	2216.2	740.3	77.1	201.0	2211.2	626.2	8.3	11.7	24
25	2229.9	1104.2	2.7	14.5	2207.0	538.1	2.4	10.9	2213.2	671.0	44.0	79.0	2211.0	621.8	9.5	11.7	25
26	2229.1	1080.6	2.7	14.4	2206.2	522.4	2.9	10.9	2212.0	643.9	30.4	44.0	2211.0	621.8	8.0	8.0	26
27	2228.3	1057.2	2.7	14.3	2205.4	507.0	3.2	10.9	2212.7	659.7	24.2	16.3	2211.5	632.9	9.9	4.3	27
28	2227.5	1034.2	2.7	14.2	2205.2	503.1	4.0	6.0	2213.5	677.8	21.0	11.8	2212.0	643.9	9.8	4.3	28
29	2226.8	1014.1	4.0	14.1	2205.2	503.1	3.5	3.5	2214.1	691.5	18.7	11.8	2212.5	655.2	10.0	4.3	29
30	2226.4	1002.8	8.3	14.0	2205.3	505.1	4.5	3.5	2214.5	700.7	16.4	11.8	2212.9	664.2	8.9	4.3	30
31	2225.8	986.0	5.4	13.9					2214.7	705.3	14.1	11.8	2213.3	673.2	8.8	4.3	31
TOTAL			76.3	345.2			97.1	339.6			1163.4	1062.5			320.1	336.4	
Inf. Ac. Ft.			151.3				192.6				2307.6				634.9	3286.4	
Outf. Ac. Ft.				684.7				673.6				2107.4			667.2	4132.9	
Maximum Mean Daily Inflow			8.3				5.0				397.7				14.2	397.7	
Minimum Mean Daily Inflow			1.7				2.1				3.4				8.3	1.7	
Storage Change		-533.3				-480.9				+200.2				-32.1		-846.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	2288.2	feet on 6/11/46	Storage	4096.3	Acre Feet			
Min. W. S. Elev.	2205.2	feet on 11/28/45	Storage	503.1	Acre Feet			
Max. Peak Inf.	2310	C.F.S. from 8:00 A.M. on 3/30/46	to	9:00 A.M.	on	3/30/46		
Max. Peak Outf.	983	C.F.S. from 8:00 P.M. on 3/30/46	to		on			

RECORDS COLLECTED BY

D. J. ROBERTSON	Dam Tender	
L. TURNER	Hydrographer	
	Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied LT	JHL	8/7/47
Storage applied LT	JHL	"
Inf. & Outf. comp. LT	JHL	"

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 86B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam #1

In Big Tujunga Canyon for the Year Ending September 30, 19 46

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 1946 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2213.8	684.6	10.0	4.3	2224.0	936.5	10.4	5.0	2269.5	2810.8	186.9	23.9.0	2283.1	3717.6	15.7	5.9	1
2	2214.2	693.8	9.0	4.3	2224.3	944.7	9.1	5.0	2268.4	2745.5	142.0	175.0	2283.3	3732.1	14.7	5.9	2
3	2218.4	793.0	54.3	4.3	2224.7	955.6	10.5	5.0	2270.0	2840.8	106.1	58.0	2283.5	3746.6	14.0	5.9	3
4	2220.1	834.9	25.6	4.5	2225.0	963.8	9.2	5.0	2267.5	2693.0	104.5	179.0	2283.8	3768.2	13.0	5.9	4
5	2221.2	862.9	18.7	4.6	2225.3	972.1	9.1	5.0	2262.7	2425.2	90.0	225.0	2284.0	3782.7	12.1	5.9	5
6	2222.0	883.5	16.0	4.6	2225.6	980.4	9.2	5.0	2262.6	2419.9	71.3	74.0	2284.1	3790.0	11.1	5.9	6
7	2218.9	805.2	14.8	57.0	2225.9	988.7	9.2	5.0	2265.3	2567.8	75.4	0.8	2284.2	3797.3	11.1	5.9	7
8	2213.0	666.4	13.9	80.0	2226.2	997.2	9.3	5.0	2267.2	2675.6	55.1	0.8	2284.4	3812.0	11.1	5.9	8
9	2211.8	639.5	12.5	26.0	2226.5	1005.7	9.3	5.0	2268.9	2774.9	50.9	0.8	2284.5	3819.3	11.0	5.9	9
10	2213.0	666.4	12.0	0.6	2226.7	1011.3	7.8	5.0	2270.3	2859.1	43.2	0.8	2284.7	3833.9	11.0	5.9	10
11	2214.1	691.5	13.2	0.6	2226.9	1017.0	7.9	5.0	2271.5	2932.9	38.0	0.8	2284.9	3848.6	11.9	5.9	11
12	2215.1	714.5	12.2	0.6	2227.2	1025.5	9.3	5.0	2272.6	3002.0	35.7	0.8	2285.1	3863.3	11.9	5.9	12
13	2216.1	738.0	12.5	0.6	2227.7	1039.9	12.2	5.0	2273.6	3066.1	33.1	0.8	2285.2	3870.7	11.9	5.9	13
14	2216.7	752.1	10.1	3.0	2228.1	1051.4	10.8	5.0	2274.4	3118.2	27.1	0.8	2285.3	3878.1	11.8	5.9	14
15	2217.3	766.4	11.5	4.3	2228.4	1060.1	9.4	5.0	2275.3	3177.7	30.8	0.9	2285.5	3893.0	11.8	5.9	15
16	2218.0	783.2	13.0	4.5	2228.6	1066.0	8.0	5.0	2276.1	3231.2	27.9	0.9	2285.6	3900.4	10.3	5.9	16
17	2218.6	797.8	12.0	4.7	2228.8	1071.8	7.9	5.0	2276.8	3278.5	24.8	0.9	2285.8	3915.2	10.3	4.4	17
18	2219.1	810.1	11.1	4.9	2229.3	1086.5	10.3	2.9	2277.4	3319.3	21.4	0.9	2286.0	3930.0	10.3	3.7	18
19	2219.6	822.5	11.3	5.0	2231.1	1140.4	28.0	0.8	2278.0	3360.3	21.6	0.9	2286.2	3945.0	10.3	3.7	19
20	2220.1	834.9	11.2	5.0	2232.3	1177.1	19.3	0.8	2278.6	3401.5	21.7	0.9	2286.3	3952.5	10.2	3.7	20
21	2220.7	850.1	12.7	5.0	2233.3	1206.1	16.4	0.8	2279.2	3442.9	19.7	0.9	2286.5	3967.5	10.6	3.7	21
22	2221.1	860.3	10.1	5.0	2234.1	1233.3	13.5	0.8	2279.7	3477.6	18.5	0.8	2286.7	3982.5	10.6	3.7	22
23	2221.6	873.2	11.5	5.0	2235.1	1265.1	16.9	0.8	2280.1	3505.4	17.5	0.8	2286.9	3997.5	10.5	3.7	23
24	2222.0	883.5	10.2	5.0	2236.0	1294.2	15.4	0.8	2280.6	3540.4	16.7	0.8	2287.0	4005.0	10.5	3.7	24
25	2222.4	894.0	10.3	5.0	2236.8	1320.4	14.5	1.4	2281.0	3568.4	15.8	0.8	2287.2	4020.2	10.5	3.7	25
26	2222.9	907.2	11.7	5.0	2237.3	1336.8	13.6	5.2	2281.4	3596.6	15.8	0.8	2287.3	4027.8	8.2	3.7	26
27	2223.2	915.1	9.0	5.0	2237.7	1350.1	11.7	5.0	2281.9	3631.9	15.7	0.8	2287.4	4035.4	8.2	3.7	27
28	2223.6	925.8	10.4	5.0	2238.5	1376.8	14.5	1.0	2282.3	3660.4	15.7	0.8	2287.6	4050.5	8.2	3.7	28
29					2240.3	1438.1	31.9	1.0	2282.6	3681.8	15.7	2.3	2287.7	4058.1	8.1	3.7	29
30					2276.2	3237.9	1154.4	247.0	2282.9	3703.3	15.7	5.9	2287.8	4065.7	8.1	3.7	30
31					2271.2	2914.2	327.8	491.0					2287.9	4073.3	8.1	3.7	31
TOTAL			390.8	263.4			1846.8	844.3			1374.3	976.5			337.1	150.6	
Inf. Ac. Ft.			775.1				3663.1				2725.9				668.6	1111.9	
Outf. Ac. Ft.				522.4				1674.6				1936.9			298.7	856.5	
Maximum Mean Daily Inflow			54.3				1154.4				186.9				15.7	1154.4	
Minimum Mean Daily Inflow			9.0				7.8				15.7				8.1	1.7	
Storage Change		+252.6				+1988.4				+789.1				+370.0		+2554.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	2288.2	feet on 6/11/46	Storage	4096.3	Acre Feet			
Min. W. S. Elev.	2205.2	feet on 11/28/45	Storage	503.1	Acre Feet			
Max. Peak Inf.	2310	C.F.S. from 8:00 A.M. on 3/30/46	to	9:00 A.M.	on	3/30/46		
Max. Peak Outf.	983	C.F.S. from AT 8:00 P.M. on 3/30/46	to		on			

RECORDS COLLECTED BY

D. J. ROBERTSON	Dam Tender	
L. TURNER	Hydrographer	
	Hydrographer	

COMPUTATIONS	ckd.	Date
Gage Hts. copied LT	JHL	8/7/47
Storage applied LT	JHL	8/7/47
Inf. & Outf. comp. LT	JHL	8/7/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 88C Revised 508 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam #1

In Big Tujunga Canyon for the Year Ending September 30, 1946

On

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2280.0 Ft. as of June, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	2288.0	4080.9	5.3	3.7	2285.5	3893.0	2.3	9.9	2250.2	1819.4	1.0	14.9	2230.5	1122.3	1.0	9.7	1
2	2288.0	4080.9	5.3	3.7	2285.3	3878.1	2.3	9.9	2249.5	1789.8	0.9	14.9	2229.9	1104.2	1.0	9.7	2
3	2288.0	4080.9	5.3	3.8	2285.1	3863.3	2.2	9.9	2248.8	1760.4	0.9	14.8	2229.3	1086.5	1.0	9.7	3
4	2288.1	4088.6	5.3	3.8	2284.8	3841.3	2.2	9.9	2248.1	1731.5	0.9	14.8	2228.8	1071.8	1.0	9.7	4
5	2288.1	4088.6	5.3	3.8	2284.6	3826.6	2.2	9.9	2247.5	1707.2	1.0	14.8	2228.2	1054.3	1.0	9.6	5
6	2288.1	4088.6	4.6	3.8	2284.4	3812.0	2.1	9.9	2246.8	1679.0	1.1	14.9	2227.6	1037.0	1.0	9.3	6
7	2288.1	4088.6	4.6	3.8	2284.1	3790.0	2.0	9.9	2246.1	1651.2	1.1	14.8	2227.1	1022.7	1.0	9.3	7
8	2288.2	4096.3	4.6	3.8	2281.8	3624.9	1.8	80.9	2245.4	1624.0	1.0	14.8	2226.5	1005.7	1.0	9.3	8
9	2288.2	4096.3	4.6	3.8	2277.6	3333.0	1.8	147.0	2244.7	1597.1	1.0	14.8	2225.9	988.7	1.0	9.3	9
10	2288.2	4096.3	4.6	3.8	2273.3	3046.7	1.8	147.7	2244.0	1570.6	1.0	14.8	2225.3	972.1	1.0	9.3	10
11	2288.2	4096.3	3.8	3.8	2268.6	2757.2	1.7	149.4	2243.3	1544.8	0.8	14.0	2224.7	955.6	1.0	9.3	11
12	2288.2	4096.3	3.8	3.8	2263.5	2468.5	1.5	147.2	2242.6	1519.3	1.0	14.0	2224.1	939.2	1.0	9.3	12
13	2288.2	4096.3	3.8	3.8	2260.7	2319.3	1.5	80.5	2241.9	1494.2	1.0	13.9	2223.5	923.2	0.8	9.3	13
14	2288.2	4096.3	3.8	3.8	2260.4	2303.6	1.3	12.3	2241.1	1465.9	1.0	13.9	2222.8	905.5	0.8	9.2	14
15	2288.2	4096.3	3.8	3.8	2260.0	2282.8	1.3	11.5	2240.4	1441.6	0.8	13.8	2222.2	888.8	0.8	9.2	15
16	2288.1	4088.6	2.5	3.8	2259.6	2262.3	1.2	11.5	2239.6	1414.1	1.0	12.5	2221.6	873.2	1.0	9.3	16
17	2288.1	4088.6	2.5	3.8	2259.1	2236.6	1.1	14.5	2238.9	1390.2	1.0	12.5	2221.0	857.7	1.1	9.3	17
18	2288.1	4088.6	2.5	3.8	2258.5	2206.3	1.2	16.3	2238.1	1363.4	0.8	12.5	2220.3	840.0	1.1	9.3	18
19	2288.0	4080.9	2.5	4.9	2258.0	2181.1	1.5	16.0	2237.5	1343.5	0.8	12.5	2219.7	825.0	1.1	9.3	19
20	2287.9	4073.3	2.5	7.0	2257.4	2151.3	1.9	15.9	2237.0	1326.9	1.0	12.5	2219.0	807.6	1.1	9.2	20
21	2287.8	4065.7	2.5	7.0	2256.9	2126.6	1.5	15.9	2236.5	1310.6	1.0	9.5	2218.4	793.0	1.1	8.1	21
22	2287.6	4050.5	2.5	9.8	2256.3	2097.4	1.1	15.8	2236.0	1294.2	1.0	9.5	2217.8	778.4	1.1	8.1	22
23	2287.3	4027.8	2.5	12.6	2255.7	2068.5	1.1	15.8	2235.5	1278.1	0.8	9.5	2217.2	764.0	1.1	8.1	23
24	2287.0	4005.0	2.5	12.6	2255.2	2044.6	1.3	15.7	2234.9	1258.7	0.8	9.5	2216.6	749.8	1.0	8.1	24
25	2286.8	3990.0	2.5	12.6	2254.6	2016.3	1.5	15.7	2234.4	1242.8	0.8	9.4	2216.1	738.0	1.0	8.0	25
26	2286.5	3967.5	2.5	11.2	2254.0	1988.2	1.2	15.6	2233.8	1223.8	0.8	9.4	2215.6	726.2	1.0	7.2	26
27	2286.3	3952.5	2.5	9.9	2253.4	1960.7	1.0	15.5	2233.3	1208.1	0.8	9.4	2215.1	714.5	1.1	7.2	27
28	2286.2	3945.0	2.5	9.9	2252.8	1933.4	1.0	15.4	2232.7	1189.4	0.8	9.4	2214.6	703.0	1.1	7.2	28
29	2286.0	3930.0	2.5	9.9	2252.1	1902.1	0.8	15.3	2232.2	1174.0	1.0	9.4	2214.1	691.5	1.7	7.2	29
30	2285.8	3915.2	2.4	9.9	2251.5	1875.7	0.8	15.2	2231.6	1155.6	1.0	9.4	2213.6	680.1	1.9	7.2	30
31					2250.8	1845.1	1.0	15.0	2231.1	1140.4	1.0	9.4					31
TOTAL			105.8	185.5			47.2	1090.9			28.9	384.2			31.9	264.0	
Inf. Ac. Ft.			209.9				93.6				57.3				63.3	1154.2	
Outf. Ac. Ft.				367.9				2163.8				762.0			52.6	1238.2	
Maximum Mean Daily Inflow			5.3				2.3				1.1				1.1	1154.4	
Minimum Mean Daily Inflow			2.4				0.8				0.8				0.8	0.8	
Storage Change		-158.1				-2070.1				-704.7				-460.3		-839.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	2288.2	feet on 6/11/46	Storage	4096.3	Acre Feet		
Min. W. S. Elev.	2205.2	feet on 11/28/45	Storage	503.1	Acre Feet		
Max. Peak Inf.	2310	C.F.S. from 8:00 A.M. on 3/30/46	to	9:00 A.M.	on	3/30/46	
Max. Peak Outf.	983	C.F.S. from AT 6:00 P.M. on 3/30/46	to		on		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D. J. ROBERTSON	Dam Tender	Gage Hts. copied	LT JHL	8/7/47
L. TURNER	Hydrographer	Storage applied	LT JHL	8/7/47
	Hydrographer	Inf. & Outf. comp.	LT JHL	8/7/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

INFLOW FOR JULY, AUG. & SEPT. COMPUTED FROM STA. 111 X 1.21

F. C. Dist. Form 88A Revised 508 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA DAM Dam

In Big Tujunga Canyon for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2280.0 Ft. as of June, 1944 Survey Gage Heights Read daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	2213.6	6801	6.4	6.4	2201.8	4406	2.7	5.8	2212.4	6529	25.0	19.4	2208.3	5644	60.0	95.0	1
2	2213.3	6732	2.9	6.4	2201.5	4353	2.7	5.8	2212.8	6619	24.6	19.4	2211.1	6240	59.0	32.0	2
3	2213.1	6687	4.2	6.4	2201.1	4283	2.7	5.8	2213.0	6664	23.0	19.4	2208.4	5664	57.6	74.0	3
4	2212.8	6619	2.9	6.4	2200.8	4230	2.7	5.0	2213.2	6710	22.0	19.4	2206.6	5303	49.0	66.0	4
5	2212.4	6529	2.0	6.4	2200.8	4230	2.7	3.2	2213.2	6710	19.4	19.4	2209.7	5937	46.0	18.8	5
6	2212.0	6439	2.0	6.4	2200.8	4230	2.8	3.2	2214.5	7007	35.0	20.0	2212.2	6484	42.0	18.8	6
7	2211.6	6351	2.0	6.4	2200.9	4248	4.2	3.2	2215.6	7262	32.8	20.0	2214.0	6892	40.0	18.8	7
8	2211.2	6262	2.0	6.4	2201.0	4265	4.2	3.4	2216.0	7356	24.8	20.0	2215.6	7262	39.6	18.8	8
9	2210.7	6153	2.0	6.4	2201.0	4265	3.4	3.4	2216.1	7380	21.2	20.0	2216.9	7568	35.0	18.8	9
10	2210.3	6066	2.0	6.8	2201.1	4283	4.3	3.4	2216.1	7380	20.0	20.0	2218.0	7832	33.0	18.8	10
11	2209.8	5958	2.0	6.8	2201.4	4335	6.4	3.8	2216.0	7356	18.8	20.0	2219.0	8076	31.0	18.9	11
12	2209.3	5852	2.0	7.2	2205.9	5166	47.1	5.2	2215.9	7333	18.2	19.4	2219.9	8299	30.0	19.0	12
13	2208.9	5767	1.9	7.2	2235.7	12845	446.2	59.0	2215.6	7262	16.4	19.4	2220.7	8501	29.7	19.1	13
14	2208.4	5664	1.9	7.2	2230.4	11192	89.6	17.3.0	2215.3	7192	15.8	19.4	2221.4	8680	28.0	19.2	14
15	2208.0	5582	1.9	6.8	2218.2	7881	36.3	20.0.0	2215.0	7122	15.4	19.4	2221.9	8809	26.0	19.3	15
16	2207.8	5542	4.8	6.8	2206.1	5205	25.0	14.9.0	2214.6	7030	14.8	19.4	2222.3	8914	25.5	19.4	16
17	2207.4	5461	3.6	6.8	2206.8	5342	20.9	20.0	2214.2	6938	14.7	19.4	2222.7	9019	24.5	19.4	17
18	2207.1	5401	3.0	6.8	2207.1	5401	20.9	21.0	2213.8	6846	14.3	19.4	2223.0	9098	23.4	19.4	18
19	2206.7	5322	2.8	6.8	2207.4	5461	20.0	22.0	2213.3	6732	13.8	19.4	2223.3	9178	23.0	19.4	19
20	2206.3	5244	2.4	6.4	2222.5	8967	269.8	93.0	2213.2	6710	13.6	14.4	2223.5	9232	22.0	19.4	20
21	2205.8	5147	2.2	6.4	2212.3	6907	93.5	212.0	2213.2	6710	13.2	12.0	2222.0	8835	20.5	39.0	21
22	2205.4	5070	2.2	6.4	2208.4	5664	51.9	100.0	2213.3	6732	12.9	12.0	2219.9	8299	19.5	49.0	22
23	2205.0	4993	2.2	6.4	2228.8	10718	280.7	26.0	2213.4	6755	12.2	12.0	2217.6	7736	18.9	48.0	23
24	2204.6	4916	2.2	6.0	2233.5	12144	117.8	46.0	2214.2	6936	12.0	12.0	2215.2	7169	18.0	47.0	24
25	2204.2	4843	2.2	6.0	2231.4	11495	67.3	100.0	2226.4	10028	273.8	118.0	2212.6	6574	17.5	46.0	25
26	2203.8	4766	2.2	6.0	2228.2	10543	51.0	99.0	2240.0	14277	674.2	460.0	2210.0	6004	17.0	46.0	26
27	2203.5	4713	3.2	6.0	2224.3	9947	42.8	98.0	2238.6	13803	292.0	316.0	2208.1	5603	16.6	36.0	27
28	2203.2	4656	3.1	5.8	2220.4	8425	35.4	87.0	2237.0	13263	164.2	191.0	2209.5	5895	34.1	19.4	28
29	2202.9	4603	2.6	5.8	2215.2	7169	28.7	92.0	2231.3	11465	103.1	204.0	2210.1	6023	25.9	19.4	29
30	2202.5	4531	2.7	5.8	2211.7	6373	26.9	67.0	2222.8	9045	83.9	206.0	2210.4	6088	22.0	18.8	30
31	2202.3	4477	2.7	5.8					2211.0	6218	65.5	198.0	2210.7	6153	22.1	18.8	31
TOTAL			82.4	199.6			1810.8	1715.2			2119.8	2127.6			956.4	959.7	
Inf. Ac. Ft.			163.4				3591.7				4204.6				1897.0	9856.7	
Outf. Ac. Ft.				395.9				3402.0				4220.0			1903.5	9921.4	
Maximum Mean Daily Inflow			6.4				446.2				674.2				60.0	674.2	
Minimum Mean Daily Inflow			1.9				2.7				12.2				16.6	1.9	
Storage Change		-232.4				+1896				-15.5				-65		-64.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	2248.5	feet on 6/8 TO 12/47	Storage	1748.1	Acre Feet		
Min. W. S. Elev.	2200.8	feet on 11/6/46	Storage	423.0	Acre Feet		
Max. Peak Inf.	1690	C.F.S. from 11:00 A.M. on 11/13/46	to	11:30 A.M.	on	11/13/46	
Max. Peak Outf.	501	C.F.S. from 12:00 NOON on 12/26/46	to	1:00 P.M.	on	12/26/46	

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D. J. ROBERTSON	Dam Tender	Gage Hts. copied	JHL APK	
L. L. TURNER	Hydrographer	Storage applied	JHL APK	
	Hydrographer	Inf. & Outf. comp.	JHL APK	1/23/48

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

BIG TUJUNGA (cont'd)

F. C. Dist. Form 66S Revised 966 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In On Big Tujunga Canyon for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2280.0 Ft. as of June, 1944 Survey Gage Heights Read daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2210.8	6175	210	188	2209.0	5788	161	130	2231.7	11587	129	10	2245.0	16085	75	3.8	1
2	2210.9	6196	197	188	2209.2	5831	153	125	2232.4	11802	129	10	2245.2	16162	72	3.8	2
3	2211.0	6218	190	188	2209.4	5873	150	125	2233.2	12050	129	10	2245.4	16240	70	3.5	3
4	2211.0	6218	188	188	2209.7	5937	148	125	2234.0	12301	126	10	2245.5	16279	69	3.5	4
5	2211.0	6218	188	188	2210.0	6001	146	125	2234.7	12524	122	10	2245.6	16317	68	3.4	5
6	2210.9	6196	185	188	2210.2	6044	143	125	2235.3	12716	115	09	2245.7	16356	66	3.4	6
7	2210.9	6196	181	188	2210.3	6066	140	125	2235.9	12910	111	09	2245.8	16395	64	3.4	7
8	2210.8	6175	175	194	2210.4	6088	138	125	2236.5	13106	108	09	2246.0	16472	63	3.4	8
9	2210.7	6153	190	194	2210.5	6110	136	125	2237.1	13302	105	09	2246.1	16512	62	3.4	9
10	2210.9	6196	216	194	2210.6	6131	134	125	2237.7	13501	100	09	2246.2	16552	62	3.4	10
11	2210.9	6196	200	200	2211.1	6240	133	81	2238.2	13667	91	09	2246.4	16631	61	3.4	11
12	2210.7	6153	192	200	2212.2	6484	132	07	2238.7	13835	86	09	2246.5	16671	60	3.4	12
13	2210.6	6131	186	200	2213.3	6732	132	07	2239.1	13970	84	09	2246.7	16750	60	3.4	13
14	2210.4	6088	175	200	2214.4	6984	130	07	2239.5	14107	84	09	2246.8	16790	59	3.4	14
15	2210.2	6044	170	200	2215.4	7216	129	07	2239.9	14243	83	09	2247.0	16869	59	3.4	15
16	2209.9	5980	168	194	2216.4	7450	126	07	2240.3	14281	82	09	2247.1	16910	57	3.4	16
17	2209.8	5958	162	194	2217.4	7688	122	08	2240.7	14520	81	09	2247.2	16950	55	3.4	17
18	2209.6	5916	155	188	2218.3	7905	121	08	2241.1	14659	81	09	2247.3	16991	53	3.5	18
19	2209.3	5852	153	178	2219.2	8126	120	08	2241.4	14765	81	30	2247.4	17031	49	3.5	19
20	2209.0	5788	150	178	2220.3	8400	148	09	2241.6	14836	81	50	2247.4	17031	46	3.5	20
21	2208.6	5706	145	178	2221.7	8758	190	10	2241.9	14942	81	44	2247.5	17072	46	3.5	21
22	2208.3	5644	140	178	2222.8	9045	155	10	2242.2	15049	100	35	2247.5	17072	45	3.5	22
23	2207.8	5542	140	178	2223.8	9312	144	10	2242.5	15157	95	35	2247.6	17112	44	3.5	23
24	2207.8	5542	145	150	2224.8	9583	140	09	2242.8	15265	94	35	2247.6	17112	44	3.5	24
25	2208.0	5582	150	130	2225.6	9804	135	09	2243.1	15374	94	35	2247.7	17153	42	3.5	25
26	2208.3	5644	155	130	2226.3	10000	120	09	2243.5	15522	111	38	2247.7	17153	40	3.5	26
27	2208.5	5685	160	130	2227.2	10255	117	09	2243.9	15669	110	38	2247.8	17193	45	3.5	27
28	2208.8	5747	163	130	2228.3	10572	170	10	2244.2	15782	102	38	2247.8	17193	45	3.5	28
29					2229.3	10865	150	10	2244.5	15896	96	38	2247.9	17234	45	3.5	29
30					2230.1	11102	137	10	2244.8	16009	82	38	2248.0	17274	45	3.5	30
31					2230.9	11343	131	10					2248.0	17274	45	3.5	31
TOTAL			4829	5034			4331	1510			2973	621			1716	107.8	
Inf. Ac. Ft.			9578				8590				5897				3404	126036	
Outf. Ac. Ft.				9985				2995				1232			2138	115564	
Maximum Mean Daily Inflow			216				190				129				75	6742	
Minimum Mean Daily Inflow			140				117				82				40	19	
Storage Change		-406				+5596				+4666				+1265		+10473	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	2248.5	feet on 6/8 TO 12/47	Storage 1748.1	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS ckd. Date
Min. W. S. Elev.	2200.8	feet on 11/6/46	Storage 423.0	Acre Feet	D. J. ROBERTSON Dam Tender	Gage Hts. copied JHL APK
Max. Peak Inf.	1690	C. F. S. from 11:00 A.M. on 11/13/46	to 11:30 A.M. on 11/13/46		L. J. TURNER Hydrographer	Storage applied JHL APK
Max. Peak Outf.	501	C. F. S. from 12:00 NOON on 12/26/46	to 1:00 P.M. on 12/26/46		Hydrographer	Inf. & Outf. comp. JHL APK 1/23/48

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 66C Revised 966 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In On Big Tujunga Canyon for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2280.0 Ft. as of June, 1944 Survey Gage Heights Read daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2248.0	17274	45	35	2246.1	16512	18	48	2239.0	13936	11	55	2229.8	11013	10	5.8	1
2	2248.1	17315	45	35	2245.9	16433	18	48	2238.7	13835	11	55	2229.5	10924	10	5.8	2
3	2248.2	17357	45	35	2245.8	16395	18	48	2238.4	13734	11	58	2229.1	10806	10	5.8	3
4	2248.3	17398	45	35	2245.6	16317	17	48	2238.1	13634	11	58	2228.8	10718	10	5.8	4
5	2248.3	17398	45	35	2245.4	16240	17	48	2237.8	13534	11	58	2228.5	10631	10	5.8	5
6	2248.4	17439	45	35	2245.2	16162	16	48	2237.5	13435	11	58	2228.2	10543	10	5.8	6
7	2248.4	17439	43	35	2245.1	16124	16	48	2237.2	13335	11	58	2227.8	10428	10	5.8	7
8	2248.5	17481	40	35	2244.9	16047	15	52	2236.9	13236	11	60	2227.5	10342	10	5.8	8
9	2248.5	17481	38	34	2244.6	15933	15	55	2236.6	13138	11	60	2227.2	10255	10	5.8	9
10	2248.5	17481	34	34	2244.4	15858	14	55	2236.3	13040	11	60	2226.9	10170	10	5.8	10
11	2248.5	17481	32	32	2244.2	15782	14	55	2236.0	12942	11	60	2226.5	10057	10	5.8	11
12	2248.5	17481	30	30	2243.9	15669	14	55	2235.8	12867	11	60	2226.2	9972	10	5.5	12
13	2248.4	17439	28	42	2243.7	15595	14	58	2235.5	12781	11	60	2225.9	9887	10	5.5	13
14	2248.3	17398	25	45	2243.5	15522	14	58	2235.2	12684	11	60	2225.6	9804	10	5.5	14
15	2248.1	17315	23	45	2243.2	15411	13	58	2234.9	12586	11	60	2225.3	9721	10	5.5	15
16	2248.0	17274	23	45	2243.0	15337	13	58	2234.6	12492	10	60	2225.0	9611	10	5.5	16
17	2247.9	17234	22	45	2242.7	15229	13	58	2234.3	12396	10	60	2224.6	9529	10	5.5	17
18	2247.8	17193	22	45	2242.5	15157	13	58	2234.0	12301	10	60	2224.3	9447	10	5.5	18
19	2247.6	17112	22	45	2242.3	15085	13	58	2233.7	12207	10	60	2224.0	9365	10	5.5	19
20	2247.5	17072	22	45	2242.0	14977	13	58	2233.4	12113	10	60	2223.7	9285	10	5.5	20
21	2247.4	17031	22	45	2241.8	14906	13	58	2233.1	12018	10	58	2223.3	9178	10	5.5	21
22	2247.3	16991	22	48	2241.5	14801	13	58	2232.8	11925	10	58	2223.0	9098	10	5.5	22
23	2247.1	16910	22	48	2241.3	14730	13	58	2232.5	11833	10	55	2222.7	9019	10	5.2	23
24	2247.0	16869	22	48	2241.0	14624	12	58	2232.2	11740	10	55	2222.3	8914	10	5.2	24
25	2246.9	16829	22	48	2240.8	14555	12	58	2231.9	11648	10	52	2222.0	8835	10	5.2	25
26	2246.8	16790	21	50	2240.5	14451	12	58	2231.6	11556	10	52	2221.7	8758	10	5.2	26
27	2246.6	16710	21	50	2240.2	14346	12	58	2231.3	11465	10	55	2221.4	8680	10	5.2	27
28	2246.5	16671	20	48	2240.0	14277	11	58	2231.0	11373	10	55	2221.0	8577	09	5.2	28
29	2246.4	16631	19	48	2239.8	14209	11	61	2230.7	11283	10	55	2220.7	8501	09	5.2	29
30	2246.2	16551	18	48	2239.5	14107	11	58	2230.4	11192	10	55	2220.3	8400	09	5.2	30
31					2239.2	14004	11	58	2230.1	11102	10	58					31
TOTAL			883	1248			429	1713			325	1788			297	1659	
Inf. Ac. Ft.			1751				851				645				589	129872	
Outf. Ac. Ft.				2475				3398				3546			3291	128274	
Maximum Mean Daily Inflow			45				18				11				10	6742	
Minimum Mean Daily Inflow			18				11				10				09	09	
Storage Change		-723				-2547				-2902				-2702		+1593	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	2248.5	feet on 6/8 TO 6/12/47 Storage 1748.1	Acre Feet	RECORDS COLLECTED BY	COMPUTATIONS ckd. Date
Min. W. S. Elev.	2200.8	feet on 11/6/46 Storage 423.0	Acre Feet	D. J. ROBERTSON Dam Tender	Gage Hts. copied JHL APK
Max. Peak Inf.	1690	C. F. S. from 11:00 A.M. on 11/13/46	to 11:30 A.M. on 11/13/46	L. TURNER Hydrographer	Storage applied JHL APK
Max. Peak Outf.	501	C. F. S. from 2:00 NOON on 12/26/46	to 1:00 P.M. on 12/26/46	Hydrographer	Inf. & Outf. comp. JHL APK 1/23/48

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

DEVIL'S GATE

F. C. Dist. Form 86A Revised 500 11/44

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December 1943 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	989.2		0	0			0	0			0	0	1009.3	0.1	0	0	1
2			0	0			0	0			0	0	1009.3	0.1	0	0	2
3			0	0			0	0			0	0	1009.8	0.3	0.2	0	3
4			0	0			0	0			0	0	1009.7	0.3	0	0	4
5			0	0			0	0			0	0	1009.6	0.2	0	0	5
6			0	0			0	0			0	0	1009.4	0.2	0	0	6
7			0	0			0	0			0	0	1009.3	0.1	0	0	7
8			0	0			0	0			0	0	1009.1	0.1	0	0	8
9			0	0			0	0			0	0	1008.9		0	0	9
10			0	0			0	0			0	0	1008.7		0	0	10
11			0	0			0	0			0	0	1008.6		0	0	11
12			0	0			0	0			0	0	1008.4		0	0	12
13			0	0			0	0			0	0	1008.3		0	0	13
14			0	0			0	0			0	0	1008.2		0	0	14
15			0	0			0	0			0	0	1008.2		0	0	15
16			0	0			0	0			0	0	1008.1		0	0	16
17			0	0			0	0			0	0	1008.1		0	0	17
18			0	0			0	0			0	0	1007.9		0	0	18
19			0	0			0	0			0	0	1007.8		0	0	19
20			0	0			0	0			0	0	1007.7		0	0	20
21			0	0			0	0	1019.1	899	45.3	0	1007.5		0	0	21
22			0	0			0	0	1027.0	377.2	320.3	173.0	1007.4		0	0	22
23			0	0			0	0	1026.4	352.5	261.8	272.0	1007.3		0	0	23
24			0	0			0	0	1025.6	319.9	45.8	60.0	1007.2		0	0	24
25			0	0			0	0	1021.4	161.6	11.8	90.0	1007.0		0	0	25
26			0	0			0	0	1009.6	0.2	0.7	*82.0	1006.9		0	0	26
27			0	0			0	0	1009.6	0.2	0	0	1006.8		0	0	27
28			0	0			0	0	1009.6	0.2	0	0	1006.7		0	0	28
29	Small pool Storage		0	0			0	0	1009.6	0.2	0	0	1006.5		0	0	29
30	Negligible		0	0			0	0	1009.6	0.2	0	0	1006.4		0	0	30
31			0	0					1009.6	0.2	0	0	1006.2		0	0	31
TOTAL			0	0			0	0			685.7	677.0			0.2	0	
Inf. Ac. Ft.			0				0				1360.1				0.4	1360.5	
Outf. Ac. Ft.				0				0			1342.8 + (17.1)			0 + (0.6)		1342.8+(17.7)	
Maximum Mean Daily Inflow			0				0				320.3				0.2	320.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				+0.2				-0.2		0	

Reservoir Dry — No Storage — Small Pool — Storage Negligible — Small Pool — Storage Negligible — Storage Negligible

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¼ Year

Max. W. S. Elev.	1042.9	feet	on 4/3/46	Storage	1341.1	Acre Feet		
Min. W. S. Elev.	989.2 ±	feet	on VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	1040	C.F.S. from	7:30 A.M. on 12/22/45	to	8:00 A.M.	on	12/22/45	
Max. Peak Outf.	389	C.F.S. from	2:30 P.M. on 12/23/45	to	3:00 P.M.	on	12/23/45	

REMARKS: SLUICING

() INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K. M. YORK	Dam Tender	Gage Hts. copied FHM	APK	12/9/46
T. E. MOON	Hydrographer	Storage applied FHM	APK	
	Hydrographer	Inf. & Outf. comp. FHM	JHL	11/3/47
			APK	1/26/48

F. C. Dist. Form 86B Revised 500 11/44

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December 1943 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1006.0		0	0	1019.9	112.9	0	0	1042.3	1289.7	50.7	0	1035.1	764.6	0	0	1
2	1005.8		0	0	1019.8	110.0	0	0	1042.8	1332.6	39.5	0	1034.9	752.8	0	0	2
3	1019.9	112.9	58.0	0	1019.7	107.2	0	0	1042.8	1332.6	17.8	0	1034.8	747.1	0	0	3
4	1021.3	158.2	24.4	0	1019.7	107.2	0	0	1042.5	1306.9	4.5	0	1034.6	735.7	0	0	4
5	1021.3	158.2	1.5	0	1019.6	104.3	0	0	1042.1	1272.6	0	0	1034.4	724.4	0	0	5
6	1021.2	154.7	0	0	1019.6	104.3	0	0	1041.8	1247.5	2.8	0	1034.3	718.7	0	0	6
7	1021.1	151.3	0	0	1019.5	101.4	0	0	1041.7	1239.3	11.8	0	1034.1	707.3	0	0	7
8	1021.0	147.8	0	0	1019.5	101.4	0	0	1041.3	1206.3	0	0	1033.9	696.3	0	0	8
9	1021.0	147.8	0	0	1019.4	98.5	0	0	1040.9	1173.6	0	0	1033.7	685.7	0	0	9
10	1020.9	144.6	0	0	1019.4	98.5	0	0	1040.5	1141.9	0	0	1033.6	680.4	0	0	10
11	1020.8	141.4	0	0	1019.3	95.6	0	0	1040.1	1110.1	0	0	1033.4	669.7	0	0	11
12	1020.7	138.2	0	0	1019.2	92.8	0	0	1039.8	1087.0	0	0	1033.2	659.1	0	0	12
13	1020.7	138.2	0	0	1019.3	95.6	0	0	1039.5	1064.2	0	0	1033.1	653.8	0	0	13
14	1020.6	135.0	0	0	1019.3	95.6	0	0	1039.2	1041.4	0	0	1032.9	643.5	0	0	14
15	1020.6	135.0	0	0	1019.2	92.8	0	0	1038.9	1019.0	0	0	1032.8	638.5	0	0	15
16	1020.5	131.8	0	0	1019.2	92.8	0	0	1038.6	997.2	0	0	1032.6	628.5	0	0	16
17	1020.5	131.8	0	0	1019.1	89.9	0	0	1038.3	975.5	0	0	1032.4	618.4	0	0	17
18	1020.4	128.6	0	0	1019.1	89.9	0	0	1038.0	953.8	0	0	1032.3	613.4	0	0	18
19	1020.4	128.6	0	0	1020.6	135.0	24.0	0	1037.8	940.0	0	0	1032.1	603.4	0	0	19
20	1020.3	125.4	0	0	1021.2	154.7	11.5	0	1037.5	919.4	0	0	1032.0	598.4	0	0	20
21	1020.3	125.4	0	0	1021.3	158.2	3.2	0	1037.3	905.6	0	0	1031.9	593.7	0	0	21
22	1020.2	122.2	0	0	1021.2	154.7	0	0	1037.0	884.9	0	0	1031.7	584.2	0	0	22
23	1020.2	122.2	0	0	1021.1	151.3	0	0	1036.8	871.9	0	0	1031.6	579.4	0	0	23
24	1020.1	119.0	0	0	1021.1	151.3	0	0	1036.6	858.8	0	0	1031.4	569.9	0	0	24
25	1020.0	115.8	0	0	1021.0	147.8	0	0	1036.4	845.8	0	0	1031.3	565.2	0	0	25
26	1020.0	115.8	0	0	1020.9	144.6	0	0	1036.1	826.2	0	0	1031.2	560.4	0	0	26
27	1019.9	112.9	0	0	1020.9	144.6	0	0	1035.9	813.6	0	0	1031.1	555.7	0	0	27
28	1019.9	112.9	0	0	1021.1	151.3	4.8	0	1035.7	801.3	0	0	1030.9	546.4	0	0	28
29					1022.1	185.9	19.0	0	1035.5	789.1	0	0	1030.8	541.8	0	0	29
30					1039.0	1026.2	435.3	0	1035.3	776.9	0	0	1030.6	532.7	0	0	30
31					1041.5	1222.8	114.6	0					1030.5	528.2	0	0	31
TOTAL			83.9	0			612.4	0			127.1	0			0	0	
Inf. Ac. Ft.			166.4				1214.7				252.1				0	2993.7	
Outf. Ac. Ft.			0 + (53.6)				0 + (104.7)				0 + (698.0)			0 + (248.7)		1342.8+(1122.5)	
Maximum Mean Daily Inflow			58.0				435.3				50.7				0	435.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+112.9				+1109.9				-445.9				-248.7		+528.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¼ Year

Max. W. S. Elev.	1042.9	feet	on 4/3/46	Storage	1341.1	Acre Feet		
Min. W. S. Elev.	989.2 ±	feet	on VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	1040	C.F.S. from	7:30 A.M. on 12/22/45	to	8:00 A.M.	on	12/22/45	
Max. Peak Outf.	389	C.F.S. from	2:30 P.M. on 12/23/45	to	3:00 P.M.	on	12/23/45	

REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
K. M. YORK	Dam Tender	Gage Hts. copied FHM	APK	12/9/46
T. E. MOON	Hydrographer	Storage applied FHM	APK	12/10/46
	Hydrographer	Inf. & Outf. comp. FHM	JHL	11/4/47
			APK	1/26/48

F. C. Dist. Form 88C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1030.4	523.7	0	0	1026.5	356.6	0	0	1023.1	222.4	0	0	1020.3	125.4	0	0	1
2	1030.2	514.6	0	0	1026.4	352.5	0	0	1023.0	218.6	0	0	1020.3	125.4	0	0	2
3	1030.1	510.0	0	0	1026.3	348.4	0	0	1022.9	215.0	0	0	1020.2	122.2	0	0	3
4	1029.9	501.1	0	0	1026.1	340.1	0	0	1022.8	211.3	0	0	1020.1	119.0	0	0	4
5	1029.7	492.4	0	0	1026.0	336.0	0	0	1022.7	207.7	0	0	1020.1	119.0	0	0	5
6	1029.6	488.0	0	0	1025.9	332.0	0	0	1022.6	204.1	0	0	1020.0	115.8	0	0	6
7	1029.5	483.7	0	0	1025.7	323.9	0	0	1022.5	200.5	0	0	1019.9	112.9	0	0	7
8	1029.3	474.9	0	0	1025.6	319.9	0	0	1022.4	196.8	0	0	1019.9	112.9	0	0	8
9	1029.2	470.5	0	0	1025.5	315.9	0	0	1022.3	193.2	0	0	1019.8	110.0	0	0	9
10	1029.1	466.2	0	0	1025.4	311.8	0	0	1022.2	189.6	0	0	1019.7	107.2	0	0	10
11	1029.0	461.8	0	0	1025.3	307.8	0	0	1022.1	185.9	0	0	1019.6	104.3	0	0	11
12	1028.8	453.3	0	0	1025.2	303.8	0	0	1022.0	182.3	0	0	1019.6	104.3	0	0	12
13	1028.7	449.0	0	0	1025.1	299.7	0	0	1021.9	178.9	0	0	1019.5	101.4	0	0	13
14	1028.6	444.7	0	0	1025.0	295.7	0	0	1021.8	175.4	0	0	1019.4	98.5	0	0	14
15	1028.4	436.2	0	0	1024.8	287.9	0	0	1021.8	175.4	0	0	1019.3	95.6	0	0	15
16	1028.3	431.9	0	0	1024.7	283.9	0	0	1021.7	172.0	0	0	1019.3	95.6	0	0	16
17	1028.1	423.4	0	0	1024.6	280.0	0	0	1021.6	168.5	0	0	1019.2	92.8	0	0	17
18	1028.0	419.1	0	0	1024.5	276.1	0	0	1021.5	165.1	0	0	1019.2	92.8	0	0	18
19	1027.9	414.9	0	0	1024.4	272.2	0	0	1021.4	161.6	0	0	1019.1	89.9	0	0	19
20	1027.8	410.7	0	0	1024.3	268.3	0	0	1021.3	158.2	0	0	1019.0	87.0	0	0	20
21	1027.6	502.3	0	0	1024.2	264.3	0	0	1021.2	154.7	0	0	1019.0	87.0	0	0	21
22	1027.5	398.2	0	0	1024.1	260.4	0	0	1021.1	151.3	0	0	1018.9	84.5	0	0	22
23	1027.4	394.0	0	0	1024.0	256.5	0	0	1021.0	147.8	0	0	1018.9	84.5	0	0	23
24	1027.3	389.8	0	0	1023.9	252.7	0	0	1020.9	144.6	0	0	1018.8	82.1	0	0	24
25	1027.2	385.6	0	0	1023.8	248.9	0	0	1020.8	141.4	0	0	1018.7	79.6	0	0	25
26	1027.0	377.2	0	0	1023.7	245.1	0	0	1020.8	141.4	0	0	1018.6	77.2	0	0	26
27	1026.9	373.1	0	0	1023.6	241.3	0	0	1020.7	138.2	0	0	1018.6	77.2	0	0	27
28	1026.8	369.0	0	0	1023.5	237.6	0	0	1020.7	138.2	0	0	1018.5	74.7	0	0	28
29	1026.7	364.8	0	0	1023.4	233.8	0	0	1020.6	135.0	0	0	1018.5	74.7	0	0	29
30	1026.6	360.7	0	0	1023.3	230.0	0	0	1020.5	131.8	0	0	1018.4	72.2	0	0	30
31					1023.2	226.2	0	0	1020.4	128.6	0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	2993.7	
Outf. Ac. Ft.			0 + (167.4)				0 + (134.5)				0 + (97.6)				0 + (56.3)	1342.8+(1578.5)	
Maximum Mean Daily Inflow			0				0				0				0	435.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		−167.5				−134.5				−97.6				−56.4		+72.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1042.9	feet	on 4/3/46	Storage 1341.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	989.2+	feet	on VARIOUS DAYS	Storage 0	Acre Feet	K.M. YORK	Dam Tender	Gage Hts. copied	FHM APK	12/9/46
Max. Peak Inf.	1040	C.F.S. from 7:30 A.M.	on 12/22/45	to 8:00 A.M.	on 12/22/45	T. E. MOON	Hydrographer	Storage applied	FHM APK	12/11/46
Max. Peak Outf.	389	C.F.S. from 2:30 P.M.	on 12/23/45	to 3:00 P.M.	on 12/23/45		Hydrographer	Inf. & Outf. comp.	FHM JHL	11/47
REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION									APK	1/26/48

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December, 1943 Survey Gage Heights Read daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1018.8	82.1	5.8	0	1017.6	54.6	0	0	1008.0	—	0	0	1008.0	—	32.0	32.0	1
2	1018.8	82.1	0.8	0	1017.5	52.7	0	0		Small Pool	0	0		No Storage	27.0	27.0	2
3	1018.9	84.5	2.0	0	1017.4	50.7	0	0			0	0		Reservoir Sluiced	23.0	23.0	3
4	1018.8	82.1	0	0	1017.3	48.8	0	0			0	0			13.0	13.0	4
5	1018.7	79.6	0	0	1017.3	48.8	0	0	1008.0		0	0			0	0	5
6	1018.7	79.6	0	0	1017.2	46.8	0	0	1015.9	27.1	14.0	0			0	0	6
7	1018.6	77.2	0	0	1017.2	46.8	0	0	1017.6	54.6	14.6	0			0	0	7
8	1018.6	77.2	0	0	1017.9	60.5	7.5	0	1017.8	58.5	2.8	0			0	0	8
9	1018.5	74.7	0	0	1017.9	60.5	[0.2	0	1017.6	54.6	0	0			0	0	9
10	1018.5	74.7	0	0	1017.8	58.5	[0	0	1017.4	50.7	0	0			0	0	10
11	1018.4	72.2	0	0	1018.3	69.8	6.4	0	1017.2	46.8	0	0			0	0	11
12	1018.3	69.8	0	0	1023.1	222.4	78.1	0	1017.1	44.9	0	0			0	0	12
13	1018.3	69.8	0	0	1031.1	555.7	194.4	22.2	1017.0	42.9	0	0			0	0	13
14	1018.2	67.3	0	0	1030.7	537.3	65.7	71.0	1017.0	42.9	0	0			0	0	14
15	1018.2	67.3	0	0	1028.6	444.7	25.7	70.0	1017.0	42.9	0	0		Pool	0	0	15
16	1018.3	69.8	2.0	0	1025.5	359.9	4.7	68.1	1016.9	41.4	0	0			0	0	16
17	1018.2	67.3	0	0	1024.4	272.2	[0.4	19.6	1016.8	40.0	0	0		Small	0	0	17
18	1018.2	67.3	0	0	1024.4	272.2	[0	0	1016.8	40.0	0	0			0	0	18
19	1018.1	64.9	0	0	1024.3	268.3	0	0	1016.7	38.5	0	0			0	0	19
20	1018.1	64.9	0	0	1033.2	659.1	235.7	32.8	1016.7	38.5	0	0			0	0	20
21	1018.0	62.4	0	0	1030.9	546.4	51.2	104.0	1016.6	37.0	0	0			0	0	21
22	1018.0	62.4	0	0	1026.7	364.8	19.6	109.3	1016.6	37.0	0	0			0	0	22
23	1017.9	60.5	0	0	1027.4	394.0	84.6	67.9	1016.5	35.6	0	0			0	0	23
24	1017.9	60.5	0	0	1020.4	128.6	[27.2	158.8	1017.0	42.9	4.5	0			0	0	24
25	1017.8	58.5	0	0	1008.0	0	[25.9	91.7	1030.4	523.7	246.1	0			0	0	25
26	1017.8	58.5	0	0			22.0	22.0	1024.6	280.0	284.9	406.2			0	0	26
27	1017.8	58.5	0	0			14.0	14.0	1019.0	87.0	197.4	293.8	1008.0		0	0	27
28	1017.8	58.5	[0.7	0			0	0	1008.0		118.0	161.6	1013.2	6.1	3.4	0	28
29	1017.7	56.6	[0.6	0			0	0			72.0	72.0	1015.3	20.6	7.8	0	29
30	1017.7	56.6	0	0	1008.0	0	0	0			50.0	50.0	1015.2	19.6	0	0	30
31	1017.6	54.6	0	0					1008.0		40.0	40.0	1015.1	18.5	0	0	31
TOTAL			11.9	0			863.3	851.4			1044.3	1023.6			106.2	95.0	
Inf. Ac. Ft.			23.6				1712.3				2071.3				210.6	401.8	
Outf. Ac. Ft.			0 + (41.3)				1688.7 + (78.1)				2030.3 + (41.1)				188.4 + (3.8)	3907.4+(164.3)	
Maximum Mean Daily Inflow			5.8				235.7				284.9				32.0	284.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		−17.6				−54.6			0					+18.5		−53.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1033.8	feet	on 11/21/46	Storage 691	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1008.0 −	feet	on MOST OF YEAR	Storage 0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied	JHL APK	12/30/47
Max. Peak Inf.	1280	C.F.S. from 9:30 P.M.	on 12/25/46	to 10:00 P.M.	on 12/25/46	T. E. MOON	Hydrographer	Storage applied	JHL APK	12/30/47
Max. Peak Outf.	610	C.F.S. from 3:30 A.M.	on 12/27/46	to 4:00 A.M.	on 12/27/46		Hydrographer	Inf. & Outf. comp.	JHL APK	12/30/47
REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS										
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION										

DEVIL'S GATE (cont'd)

F. C. Dist. Form 668 Revised 906 11/44

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 19 47

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December 19 43 Survey Gage Heights Read daily

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1015.1	185	0	0	1008.0		0	0	1008.0		0	0	1008.0		0	0	1
2	1015.0	174	0	0			0	0			0	0			0	0	2
3	1014.9	166	0	0			0	0			0	0			0	0	3
4	1014.9	166	0	0			0	0			0	0			0	0	4
5	1014.8	159	0	0			0	0			0	0			0	0	5
6	1014.7	151	0	0			0	0			0	0			0	0	6
7	1014.7	151	0	0			0	0			0	0			0	0	7
8	1014.6	144	0	0			0	0			0	0			0	0	8
9	1008.0		13.8	20.8			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17		Storage Negligible	0	0	Small Pool	Storage Negligible	0	0	Small Pool	Storage Negligible	0	0	Small Pool	Storage Negligible	0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28	1008.0		0	0			0	0			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0			0	0			0	0	30
31							0	0							0	0	31
TOTAL			13.8	20.8			0	0			0	0			0	0	
Inf. Ac. Ft.			274				0				0				0	4045.2	
Outf. Ac. Ft.			413 + (46)					0				0			0	3948.7+(168.9)	
Maximum Mean Daily Inflow			13.8				0				0				0	284.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		−185				0				0				0		−722	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	1033.8	feet on 11/21/46	Storage 691	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1008 –	feet on MOST OF YEAR	Storage 0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied JHL APK 12/30/47
Max. Peak Inf.	1280	C.F.S. from 9:30 P.M. on	12/25/46 to 10:00 P.M. on	12/25/46	T. E. MOON	Hydrographer	Storage applied JHL APK "
Max. Peak Outf.	610	C.F.S. from 3:30 A.M. on	12/27/46 to 4:00 A.M. on	12/27/46		Hydrographer	Inf. & Outf. comp. JHL APK 12/30/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 668 Revised 906 11/44

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In Arroyo Seco On for the Year Ending September 30, 19 47

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2504.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of December 19 43 Survey Gage Heights Read daily

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1008.0		0	0	1008.0		0	0	1008.0		0	0	1008.0		0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7		Storage Negligible	0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10	Small Pool		0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26	Reservoir Dry	No Storage	0	0	Reservoir Dry	No Storage	0	0	Reservoir Dry	No Storage	0	0	Reservoir Dry	No Storage	0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	4045.2	
Outf. Ac. Ft.				0				0				0			0	3948.7+(168.9)	
Maximum Mean Daily Inflow			0				0				0				0	284.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		−722	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1033.8	feet on 11/21/46	Storage 691	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1008.0 –	feet on MOST OF YEAR	Storage 0	Acre Feet	K. M. YORK	Dam Tender	Gage Hts. copied JHL APK 12/30/47
Max. Peak Inf.	1280	C.F.S. from 9:30 P.M. on	12/25/46 to 10:00 P.M. on	12/25/46	T. E. MOON	Hydrographer	Storage applied JHL APK "
Max. Peak Outf.	610	C.F.S. from 3:30 A.M. on	12/27/46 to 4:00 A.M. on	12/27/46		Hydrographer	Inf. & Outf. comp. JHL APK 12/30/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

EATON

F. C. Dist. Form 66A Revised 566 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash for the Year Ending September 30, 1946.

On

Continuous Water Stage Recorder Au

Drainage Area 8.48 Square Miles. Capacity of Reservoir 607.4 Ac. Ft. at Spillway Elev. 887.5 Ft. as of October 1944 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1			0	0			0	0			0	0	8602	594	0	0	1
2			0	0			0	0			0	0	8599	572	0	0	2
3			0	0			0	0			0	0	8597	557	0	0	3
4			0	0			0	0			0	0	8595	543	0	0	4
5			0	0			0	0			0	0	8593	529	0	0	5
6			0	0			0	0			0	0	8591	514	0	0	6
7			0	0			0	0			0	0	8589	500	0	0	7
8			0	0			0	0			0	0	8587	487	0	0	8
9			0	0			0	0			0	0	8585	474	0	0	9
10			0	0			0	0			0	0	8583	461	0	0	10
11			0	0			0	0			0	0	8581	448	0	0	11
12			0	0			0	0			0	0	8579	435	0	0	12
13			0	0			0	0			0	0	8578	429	0	0	13
14			0	0			0	0			0	0	8576	416	0	0	14
15			0	0			0	0			0	0	8574	404	0	0	15
16			0	0			0	0			0	0	8572	391	0	0	16
17			0	0			0	0			0	0	8570	379	0	0	17
18			0	0			0	0			0	0	8569	373	0	0	18
19			0	0			0	0			0	0	8567	362	0	0	19
20			0	0			0	0			0	0	8565	350	0	0	20
21			0	0			0	0	8547	255	134	0	8564	344	0	0	21
22			0	0			0	0	8631	829	739	430	8562	333	0	0	22
23			0	0			0	0	8689	1436	601	250	8560	321	0	0	23
24			0	0			0	0	8620	735	20	350	8559	316	0	0	24
25			0	0			0	0	8621	744	13	0	8557	305	0	0	25
26			0	0			0	0	8618	719	0	0	8556	300	0	0	26
27			0	0			0	0	8615	695	0	0	8554	290	0	0	27
28			0	0			0	0	8612	670	0	0	8553	285	0	0	28
29			0	0			0	0	8609	647	0	0	8551	274	0	0	29
30			0	0			0	0	8606	624	0	0	8550	269	0	0	30
31			0	0					8604	609	0	0	8548	259	0	0	31
TOTAL			0	0			0	0			1507	1030			0	0	
Inf. Ac. Ft.			0				0				2989				0	2989	
Outf. Ac. Ft.				0				0			2043 + (337)			0 + (349)		2043+(68.6)	
Maximum Mean Daily Inflow			0				0				739				0	739	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				+609				-350		+259	

Reservoir Dry — No Storage — Dry — No Storage — Dry — No Storage

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	871	feet on	12/23/45	Storage	173.6	Acre Feet		
Min. W. S. Elev.	843 ±	feet on	VARIOUS DAYS	Storage	NONE	Acre Feet		
Max. Peak Inf.	284	C. F. S. from	5:00 A.M. on	12/23/45	to	6:00 A.M. on	12/23/45	
Max. Peak Outf.	121	C. F. S. from	3:30 P.M. on	12/22/45	to	7:00 P.M. on	12/22/45	

RECORDS COLLECTED BY

HAROLD BELDING	Dam Tender
T. E. MOON	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	FHM	APK	12/19/46
Storage applied	FHM	APK	"
Inf. & Outf. comp.	FHM	APK	"

REMARKS ( ) INDICATES TOTAL LOSS DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 66B Revised 566 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash for the Year Ending September 30, 1946.

On

Continuous Water Stage Recorder Au

Drainage Area 8.48 Square Miles. Capacity of Reservoir 607.4 Ac. Ft. at Spillway Elev. 887.5 Ft. as of October 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C.F.S. Inflow	FEBRUARY C.F.S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C.F.S. Inflow	MARCH C.F.S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C.F.S. Inflow	APRIL C.F.S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C.F.S. Inflow	MAY C.F.S. Outflow	Day
1	8547	255	0	0	8526	164	0	0	8692	1474	12	0	8587	487	0	0	1
2	8545	245	0	0	8525	161	0	0	8685	1388	01	0	8585	474	0	0	2
3	8567	362	66	0	8524	157	0	0	8678	1305	0	0	8583	461	0	0	3
4	8565	350	0	0	8522	149	0	0	8671	1226	0	0	8581	448	0	0	4
5	8563	338	0	0	8521	146	0	0	8665	1162	0	0	8579	435	0	0	5
6	8561	327	0	0	8519	139	0	0	8660	1108	0	0	8577	422	0	0	6
7	8559	316	0	0	8517	133	0	0	8655	1057	0	0	8575	410	0	0	7
8	8558	311	0	0	8514	123	0	0	8651	1016	0	0	8573	398	0	0	8
9	8556	300	0	0	8512	117	0	0	8647	978	0	0	8571	385	0	0	9
10	8555	295	0	0	8511	114	0	0	8643	940	0	0	8569	373	0	0	10
11	8553	285	0	0	8509	108	0	0	8640	911	0	0	8567	362	0	0	11
12	8551	274	0	0	8507	103	0	0	8636	875	0	0	8565	350	0	0	12
13	8550	269	0	0	8506	103	03	0	8633	847	0	0	8563	338	0	0	13
14	8548	259	0	0	8505	100	02	0	8630	820	0	0	8561	327	0	0	14
15	8547	255	0	0	8503	93	0	0	8627	795	0	0	8560	321	0	0	15
16	8545	245	0	0	8501	87	0	0	8624	769	0	0	8558	311	0	0	16
17	8544	240	0	0	8499	81	0	0	8621	744	0	0	8551	274	0	32	17
18	8542	231	0	0	8497	79	0	0	8618	719	0	0	8533	192	0	90	18
19	8541	226	0	0	8517	114	20	0	8616	703	0	0	8532	187	0	0	19
20	8539	216	0	0	8516	112	01	0	8613	678	0	0	8518	136	0	30	20
21	8538	213	0	0	8514	108	0	0	8611	662	0	0		*71	0	22	21
22	8536	205	0	0	8513	105	0	0	8608	639	0	0		71	0	0	22
23	8535	200	0	0	8511	101	0	0	8606	624	0	0		70	0	0	23
24	8534	195	0	0	8510	99	0	0	8603	602	0	0		69	0	0	24
25	8532	187	0	0	8508	95	0	0	8601	587	0	0		68	0	0	25
26	8531	183	0	0	8506	92	0	0	8598	565	0	0		67	0	0	26
27	8530	179	0	0	8504	88	0	0	8596	550	0	0		65	0	0	27
28	8528	172	0	0	8503	85	0	0	8594	536	0	0		64	0	0	28
29					8517	133	27	0	8592	521	0	0		63	0	0	29
30					8693	1486	774	44	8590	507	0	0		62	0	0	30
31					8698	1550	176	89						61	0	0	31
TOTAL			66	0			1003	133			13	0			65	174	
Inf. Ac. Ft.			131				1989				26			0	(129)	513.5+(12.9)	
Outf. Ac. Ft.			0 + (218)				264 + (347)				0 + (1069)			345 + (230)		2652+(255.0)	
Maximum Mean Daily Inflow			66				774				12				0	774	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-87				+1378				-1043				-446		+61	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	871.1	feet on	12/23/45	Storage	173.6	Acre Feet		
Min. W. S. Elev.	843 ±	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	284	C. F. S. from	5:00 A.M. on	12/23/45	to	6:00 A.M. on	12/23/45	
Max. Peak Outf.	121	C. F. S. from	3:30 P.M. on	12/22/45	to	7:00 P.M. on	12/22/45	

RECORDS COLLECTED BY

HAROLD BELDING	Dam Tender
T. E. MOON	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	FHM	APK	12/19/46
Storage applied	FHM	APK	"
Inf. & Outf. comp.	FHM	APK	"

REMARKS ( ) INDICATES LOSS DUE TO PERCOLATION AND EVAPORATION

( ) INDICATES FLOW DUE TO BANK STORAGE

* INDICATES REMAINING STORAGE IN PIT

EATON (cont'd)

F. C. Dist. Form 88C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash

On for the Year Ending September 30, 1946.

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 607.4 Ac. Ft. at Spillway Elev. 887.5 Ft. as of October, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20	Reservoir Dry	Storage in Pit only	0	0	Reservoir Dry	Storage in Pit only	0	0	Reservoir Dry	Storage Negligible	0	0	Reservoir Dry	Storage Negligible	0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	513.5+(12.9)	
Outf. Ac. Ft.			0	+ (4.5)			0	+ (1.2)			0	+ (0.2)		0 + (0.2)	0	265.2 +(261.1)	
Maximum Mean Daily Inflow			0				0				0				0	77.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-4.5				-1.2				-0.2				-0.2		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	871.1	feet on	12/23/45	Storage	173.6	Acre Feet		
Min. W. S. Elev.	843 ±	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	284	C. F. S. from	5:00 A.M.	on	12/23/45	to	6:00 A.M.	on 12/23/45
Max. Peak Outf.	121	C. F. S. from	3:30 P.M.	on	12/22/45	to	7:00 P.M.	on 12/22/45

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
HAROLD BELDING	Dam Tender	Gage Hts. copied FHM	APK	1/15/47
T. E. MOON	Hydrographer	Storage applied	APK	5/6/47
	Hydrographer	Inf. & Outf. comp.	APK	5/6/47

REMARKS ( ) INDICATES FLOW DUE TO BANK STORAGE
( ) INDICATES LOSS DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash

On for the Year Ending September 30, 1947.

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 661.1 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June, 1947 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1			0	0			0	0	861.1	532	0	0	859.9	452	2.6	0	1
2			0	0			0	0	860.9	518	0	0	860.0	458	1.1	0	2
3			0	0			0	0	860.7	505	0	0	860.0	458	0.5	0	3
4			0	0			0	0	860.6	498	0	0	859.9	452	0.2	0	4
5			0	0			0	0	860.4	485	0	0	859.8	445	0	0	5
6			0	0			0	0	860.3	478	0	0	859.8	445	0	0	6
7			0	0	842	0	0	0	860.1	465	0	0	859.8	445	0	0	7
8			0	0	850.1	0.8	1.4	0	859.9	452	0	0	859.7	439	0	0	8
9			0	0	849.6	0.5	0.9	0	859.8	445	0	0	859.6	432	0	0	9
10			0	0	849.3	0.4	0.4	0	859.6	432	0	0	859.5	426	0	0	10
11			0	0	850.0	0.7	1.0	0	859.5	426	0	0	859.3	413	0	0	11
12			0	0	853.6	1.43	9.8	0	859.3	413	0	0	859.2	407	0	0	12
13			0	0	867.2	10.79	66.8	13.0	859.1	400	0	0	859.1	400	0	0	13
14			0	0	876.0	10.55	4.0	0	859.0	394	0	0	859.0	394	0	0	14
15			0	0	866.1	9.58	0	0	858.8	382	0	0	858.8	382	0	0	15
16			0	0	865.4	8.88	0	0	858.7	376	0	0	858.7	376	0	0	16
17			0	0	864.8	8.30	0	0	858.5	365	0	0	858.5	365	0	0	17
18			0	0	864.2	7.75	0	0	858.4	359	0	0	858.4	359	0	0	18
19			0	0	863.8	7.40	0	0	858.2	347	0	0	858.2	347	0	0	19
20	Small Pool	Storage Negligible	0	0	873.1	20.46	73.9	0	858.0	335	0	0	858.1	341	0	0	20
21			0	0	872.4	19.04	9.0	9.2	857.9	330	0	0	857.9	330	0	0	21
22			0	0	871.1	16.52	0	6.3	857.7	319	0	0	857.8	324	0	0	22
23			0	0	868.5	12.39	11.3	27.0	857.6	314	0	0	857.6	314	0	0	23
24			0	0	863.3	6.98	3.2	29.0	857.5	309	0.3	0	857.5	309	0	0	24
25			0	0	861.8	5.82	1.8	6.7	866.5	1001	37.6	1.7	857.3	298	0	0	25
26			0	0	861.8	5.82	1.0	0	862.3	619	46.7	63.0	857.2	293	0	0	26
27			0	0	861.6	5.68	0	0	865.1	858	45.6	31.0	857.1	287	0	0	27
28			0	0	861.5	5.61	0	0	863.0	673	24.0	31.0	857.7	319	2.0	0	28
29			0	0	861.4	5.53	0	0	857.4	303	14.2	28.0	857.7	319	0.4	0	29
30			0	0	861.2	5.39	0	0	855.9	230	10.0	9.9	857.5	309	0	0	30
31			0	0					859.4	420	5.1	0	857.4	303	0	0	31
TOTAL			0	0			184.5	91.2			1835	164.6			6.8	0	
Inf. Ac. Ft.			0				366.0				364.0				13.5	743.5	
Outf. Ac. Ft.				0			180.9 +(131.1)				326.5 + (49.4)			0 + (25.2)		507.4+(205.7)	
Maximum Mean Daily Inflow			0				73.9				46.7				2.6	73.9	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+539				-119				-11.7		+303	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	873.4	feet on	11/21/46	Storage	211.1	Acre Feet		
Min. W. S. Elev.	842 ±	feet on	PART OF YEAR	Storage	0	Acre Feet		
Max. Peak Inf.	286	C. F. S. from	10:00 A.M.	on	11/13/46	to	11:00 A.M.	on 11/13/46
Max. Peak Outf.	86.4	C. F. S. from	2:30 A.M.	on	12/26/46	to	10:00 A.M.	on 12/26/46

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
H. BELDING	Dam Tender	Gage Hts. copied	JHL	APK 4/14/48
T. E. MOON	Hydrographer	Storage applied	JHL	APK "
	Hydrographer	Inf. & Outf. comp.	JHL	APK 4/16/48

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

EATON (cont'd)

F. C. Dist. Form 84B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash
On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 661.1 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June, 1947 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	857.2	29.3	0	0	852.6	11.0	0	0	849.9	4.9	0	0	847.6	** 2.9	0	0	1
2	857.0	28.2	0	0	852.4	10.4	0	0	849.9	4.9	0	0	847.6	2.9	0	0	2
3	856.9	27.7	0	0	852.2	9.5	0	0	849.9	4.9	0	0	847.5	2.9	0	0	3
4	856.7	26.8	0	0	852.0	9.0	0	0	849.8	4.8	0	0	847.5	2.9	0	0	4
5	856.6	26.3	0	0	851.8	8.3	0	0	849.8	4.8	0	0	847.5	2.9	0	0	5
6	856.4	25.3	0	0	851.7	8.0	0	0	849.8	4.8	0	0	847.4	2.8	0	0	6
7	856.2	24.4	0	0	851.5	7.8	0	0	849.7	4.7	0	0	847.4	2.8	0	0	7
8	856.1	23.9	0	0	851.3	7.1	0	0	849.7	4.7	0	0	847.4	2.8	0	0	8
9	856.1	23.9	(0.4	0	851.1	6.9	0	0	849.6	4.6	0	0	847.4	2.8	0	0	9
10	855.9	23.0	0.1)	0	851.0	6.7	0	0	849.5	4.6	0	0	847.4	2.8	0	0	10
11	855.8	22.6	(0	0	850.8	6.4	0	0	849.4	4.5	0	0	847.4	2.8	0	0	11
12	855.6	23.7	0	0	850.6	6.1	0	0	849.3	4.4	0	0	847.3	2.7	0	0	12
13	855.4	20.9	0	0	850.4	5.8	0	0	849.2	4.3	0	0	847.3	2.7	0	0	13
14	855.3	20.5	0	0	850.3	5.6	0	0	849.0	4.1	0	0	847.3	2.7	0	0	14
15	855.1	19.6	0	0	850.3	5.5	0	0	848.9	4.0	0	0	847.2	2.6	0	0	15
16	855.0	19.2	0	0	850.2	5.4	0	0	848.8	3.9	0	0	847.2	2.6	0	0	16
17	854.8	18.5	0	0	850.2	5.4	0	0	848.6	3.7	0	0	847.2	2.6	0	0	17
18	854.6	17.8	0	0	850.1	5.3	0	0	848.5	3.7	0	0	847.1	2.6	0	0	18
19	854.5	17.4	0	0	850.1	5.2	0	0	848.4	3.6	0	0	847.1	2.6	0	0	19
20	854.3	16.7	0	0	850.0	5.1	0	0	848.3	3.5	0	0	847.1	2.6	0	0	20
21	854.1	16.0	0	0	850.0	5.1	0	0	848.2	3.4	0	0	847.0	2.5	0	0	21
22	853.9	15.3	0	0	849.9	5.0	0	0	848.1	3.3	0	0	847.0	2.5	0	0	22
23	853.7	14.6	0	0	849.9	5.0	0	0	848.1	3.3	0	0	847.0	2.5	0	0	23
24	853.5	14.0	0	0	849.8	4.9	0	0	848.0	3.2	0	0	847.0	2.5	0	0	24
25	* 853.3	13.2	0	0	849.8	4.9	0	0	848.0	3.2	0	0	846.9	2.4	0	0	25
26	853.1	12.5	0	0	849.8	4.8	0	0	847.9	3.1	0	0	846.9	2.4	0	0	26
27	852.9	12.1	0	0	849.8	4.8	0	0	847.8	3.1	0	0	846.8	2.4	0	0	27
28	852.7	11.6	0	0	849.8	4.8	(0.3	0	847.8	3.1	0	0	846.7	2.3	0	0	28
29					849.9	4.9	0.2)	0	847.7	3.0	0	0	846.6	2.2	0	0	29
30					849.9	4.9	0	0	847.7	3.0	0	0	846.6	2.2	0	0	30
31					849.9	4.9	0	0					846.5	2.2	0	0	31
TOTAL			0.5	0			0.5	0			0	0			0	0	
Inf. Ac. Ft.			1.0				1.0				0				0	7455	
Outf. Ac. Ft.			0 + (19.6)				0 + (7.7)				0 + (2.0)			0 + (0.8)		507.4+(235.8)	
Maximum Mean Daily Inflow			0.4				0.3				0				0	739	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-18.7				-6.7				-1.9				-0.8		+22	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	873.4	feet	on	11/21/46	Storage	211.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	842 +	feet	on	PART OF YEAR	Storage	0	Acre Feet	H. BELDING	Dam Tender	Gage Hts. copied	JHL	APK 4/14/4
Max. Peak Inf.	286	C.F.S. from	10:00 A.M.	on	11/13/46	to	11:00 A.M. on 11/13/46	T. E. MOON	Hydrographer	Storage applied	JHL	APK 4/15/4
Max. Peak Outf.	86.4	C.F.S. from	2:30 A.M.	on	12/26/46	to	10:00 A.M. on 12/26/46		Hydrographer	Inf. & Outf. comp.	JHL	APK 4/16/4

REMARKS (INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION
* PIT W.S. ELEV. USED, STORAGE IN PIT AND RESERVOIR ** RESERVOIR DRY, STORAGE IN PIT ONLY

F. C. Dist. Form 84C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In Eaton Wash
On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 661.1 Ac. Ft. at Spillway Elev. 887.5 Ft. as of June, 1947 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	846.5	2.2	0	0	845.0	1.2	0	0	^ 843.3	^ 0.4	0	0			0	0	1
2	846.4	2.1	0	0	845.0	1.2	0	0	* 843.2	** 0.3	0	0			0	0	2
3	846.4	2.1	0	0	845.0	1.2	0	0			0	0			0	0	3
4	846.3	2.0	0	0	844.9	1.2	0	0			0	0			0	0	4
5	846.2	1.9	0	0	844.8	1.1	0	0			0	0			0	0	5
6	846.2	1.9	0	0	844.8	1.1	0	0			0	0			0	0	6
7	846.1	1.9	0	0	844.7	1.1	0	0			0	0			0	0	7
8	846.1	1.9	0	0	844.6	1.0	0	0			0	0			0	0	8
9	846.1	1.9	0	0	844.6	1.0	0	0			0	0			0	0	9
10	846.0	1.8	0	0	844.6	1.0	0	0			0	0			0	0	10
11	846.0	1.8	0	0	844.5	1.0	0	0			0	0			0	0	11
12	845.9	1.7	0	0	844.4	0.9	0	0			0	0			0	0	12
13	845.9	1.7	0	0	844.4	0.9	0	0			0	0			0	0	13
14	845.8	1.7	0	0	844.4	0.9	0	0			0	0			0	0	14
15	845.8	1.7	0	0	844.3	0.9	0	0			0	0			0	0	15
16	845.7	1.6	0	0	844.3	0.9	0	0			0	0			0	0	16
17	845.6	1.6	0	0	844.2	0.8	0	0			0	0			0	0	17
18	845.6	1.6	0	0	844.2	0.8	0	0			0	0			0	0	18
19	845.5	1.5	0	0	844.2	0.8	0	0			0	0			0	0	19
20	845.5	1.5	0	0	844.2	0.8	0	0			0	0			0	0	20
21	845.5	1.5	0	0	844.2	0.8	0	0			0	0			0	0	21
22	845.4	1.4	0	0	844.1	0.8	0	0			0	0			0	0	22
23	845.4	1.4	0	0	844.1	0.8	0	0			0	0			0	0	23
24	845.3	1.4	0	0	844.0	0.7	0	0			0	0			0	0	24
25	845.3	1.4	0	0	843.9	0.7	0	0			0	0			0	0	25
26	845.2	1.3	0	0	843.8	0.6	0	0			0	0			0	0	26
27	845.2	1.3	0	0	843.7	0.6	0	0			0	0			0	0	27
28	845.1	1.3	0	0	843.7	0.6	0	0			0	0			0	0	28
29	845.1	1.3	0	0	843.6	0.5	0	0			0	0			0	0	29
30	845.1	1.3	0	0	843.5	0.5	0	0			0	0			0	0	30
31					843.4	0.4	0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	7455	
Outf. Ac. Ft.			0 + (0.9)				0 + (1.0)				0 + (0.4)				0	507.4+(238.1)	
Maximum Mean Daily Inflow			0				0				0				0	739	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-0.9				-0.9				-0.4				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	873.4	feet	on	11/21/46	Storage	211.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	842 +	feet	on	PART OF YEAR	Storage	0	Acre Feet	H. BELDING	Dam Tender	Gage Hts. copied	JHL	APK 4/14/48
Max. Peak Inf.	286	C.F.S. from	10:00 A.M.	on	11/13/46	to	11:00 A.M. on 11/13/46	T. E. MOON	Hydrographer	Storage applied	JHL	APK 4/15/48
Max. Peak Outf.	86.4	C.F.S. from	2:30 A.M.	on	12/26/46	to	10:00 A.M. on 12/26/46		Hydrographer	Inf. & Outf. comp.	JHL	APK 4/16/48

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION
* PIT W.S. ELEV. USED.
** STORAGE IN PIT ONLY

BIG SANTA ANITA

F. C. Dist. Form 68A Revised 3/36 11/44

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1946

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 696.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of May, 1944 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	12575	1830	12	13	12604	1981	17	12	12654	2258	19	13	12580	1855	56	33	1
2	12575	1830	12	13	12606	1992	17	12	12656	2270	19	13	12590	1907	59	33	2
3	12575	1830	12	13	12607	1997	16	12	12657	2276	16	13	12600	1960	60	34	3
4	12574	1825	12	13	12609	2008	16	12	12659	2287	18	13	12608	2002	54	34	4
5	12574	1825	12	13	12610	2013	16	13	12660	2293	16	13	12614	2035	50	34	5
6	12574	1825	13	13	12612	2024	19	13	12662	2305	19	13	12617	2051	43	34	6
7	12574	1825	13	13	12615	2040	21	13	12663	2311	16	13	12621	2073	42	34	7
8	12574	1825	13	13	12618	2056	21	13	12665	2323	19	13	12623	2084	42	34	8
9	12574	1825	13	13	12620	2067	18	13	12666	2329	16	13	12625	2095	38	34	9
10	12575	1830	15	13	12622	2078	19	13	12668	2341	20	13	12626	2100	38	34	10
11	12576	1835	16	13	12623	2084	16	13	12669	2347	16	13	12628	2111	37	34	11
12	12578	1845	18	13	12625	2095	19	13	12671	2359	19	13	12628	2111	37	34	12
13	12579	1850	16	13	12627	2106	18	13	12672	2365	16	13	12628	2111	35	35	13
14	12580	1855	15	13	12628	2111	16	13	12673	2371	16	13	12628	2111	35	35	14
15	12581	1860	16	13	12629	2117	16	13	12675	2383	19	13	12627	2106	35	36	15
16	12582	1865	15	13	12631	2128	18	13	12677	2395	19	13	12627	2106	34	36	16
17	12583	1871	16	13	12633	2139	19	13	12678	2401	16	13	12626	2100	33	36	17
18	12585	1881	18	13	12636	2156	19	13	12679	2407	16	13	12625	2095	34	36	18
19	12586	1886	16	13	12637	2161	19	13	12680	2413	16	13	12610	2013	33	75	19
20	12587	1891	15	13	12640	2178	18	13	12681	2419	16	13	12575	1830	33	127	20
21	12588	1897	16	13	12641	2184	18	13	12768	2995	502	212	12538	1648	33	124	21
22	12589	1902	15	12	12642	2189	16	13	12724	2692	1636	1789	12500	1471	32	122	22
23	12590	1907	14	12	12643	2195	16	13	12627	2106	1227	1522	12459	1292	33	121	23
24	12591	1912	15	12	12644	2201	16	13	12576	1835	262	399	12451	1259	35	52	24
25	12591	1912	12	12	12646	2212	19	13	12570	1805	225	240	12459	1292	35	18	25
26	12592	1918	15	12	12647	2218	16	13	12549	1701	155	207	12467	1326	35	18	26
27	12592	1918	12	12	12648	2224	16	13	12533	1624	101	140	12474	1356	33	18	27
28	12592	1918	12	12	12649	2229	15	13	12526	1591	89	106	12479	1378	29	18	28
29	12593	1923	14	12	12650	2235	16	13	12545	1682	79	33	12485	1404	31	18	29
30	12596	1949	25	12	12652	2247	19	13	12560	1755	70	33	12490	1426	29	18	30
31	12602	1971	24	12					12572	1815	63	33	12495	1449	30	18	31
TOTAL			462	393			525	386			4756	4974			1183	1367	
Inf. Ac. Ft.			916				1041				9433				2346	13736	
Outf. Ac. Ft.				780				766				9866			2711	14123	
Maximum Mean Daily Inflow			25				21				1636				60	1636	
Minimum Mean Daily Inflow			12				15				16				29	12	
Storage Change		+136				+276				−432				−366		−386	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1314.2	feet on 6/6/46	Storage 672.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1244.6	feet on 1/24/46	Storage 123.9	Acre Feet	KERMIT A. SHIPLEY	Dam Tender	Gage Hts. copied WEC	APK 5/12/47
Max. Peak Inf.	492	C.F.S. from 6:45 A.M. on 12/23/45	to 7:15 A.M. on 12/23/45		T. E. MOON	Hydrographer	Storage applied WEC	APK "
Max. Peak Outf.	298	C.F.S. from AT 3:00 P.M. on 12/22/45	to	on		Hydrographer	Inf. & Outf. comp. WEC	APK 5/19/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION — JHL 7/31/47

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 68B Revised 3/36 11/44

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1946

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 696.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of May, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	12499	1467	27	18	12548	1696	32	22	12791	3161	335	350	13009	5119	49	15	1
2	12504	1489	29	18	12551	1711	28	21	12769	3002	270	350	13015	5185	48	15	2
3	12548	1696	123	18	12553	1721	26	21	12764	2966	202	220	13021	5251	47	15	3
4	12560	1755	73	44	12555	1731	25	20	12700	2537	149	367	13027	5318	47	15	4
5	12551	1711	47	69	12558	1745	27	20	12648	2224	144	302	13032	5374	45	15	5
6	12541	1663	44	68	12561	1760	27	20	12673	2371	139	64	13037	5430	44	15	6
7	12531	1615	44	68	12564	1775	27	20	12708	2587	130	22	13042	5487	43	15	7
8	12519	1558	38	67	12566	1785	26	21	12736	2772	116	22	13047	5545	42	15	8
9	12506	1499	37	67	12567	1790	26	21	12759	2931	103	23	13051	5591	42	15	9
10	12493	1440	36	66	12569	1800	26	22	12779	3074	95	23	13056	5649	42	15	10
11	12479	1378	35	66	12571	1810	27	22	12797	3206	90	23	13061	5708	43	15	11
12	12464	1313	36	65	12573	1820	28	23	12814	3333	82	18	13066	5767	43	15	12
13	12464	1313	35	39	12581	1860	43	25	12830	3457	77	15	13071	5827	43	16	13
14	12470	1339	35	21	12587	1891	39	23	12846	3583	79	15	13076	5888	43	16	14
15	12476	1365	34	21	12591	1912	33	23	12860	3697	72	15	13081	5948	43	16	15
16	12485	1404	40	21	12593	1923	29	23	12874	3814	74	15	13085	5997	43	16	16
17	12494	1444	41	21	12595	1934	29	23	12887	3927	72	15	13089	6046	43	16	17
18	12499	1467	32	20	12598	1949	30	23	12899	4033	72	15	13093	6096	43	16	18
19	12505	1497	33	20	12621	2073	86	23	12912	4151	71	15	13097	6146	43	17	19
20	12511	1522	33	20	12610	2013	54	85	12922	4244	67	15	13100	6183	43	17	20
21	12516	1545	33	20	12605	1987	54	67	12933	4348	62	15	13105	6246	43	18	21
22	12520	1563	31	20	12620	2067	52	11	12942	4434	58	14	13109	6296	42	18	22
23	12525	1587	31	21	12634	2144	49	11	12950	4512	56	14	13112	6335	41	18	23
24	12529	1605	31	21	12646	2212	46	11	12959	4601	56	14	13115	6374	40	18	24
25	12534	1629	31	22	12656	2270	40	11	12967	4682	55	14	13118	6412	39	18	25
26	12537	1644	32	22	12665	2323	38	11	12975	4763	55	14	13121	6451	38	18	26
27	12541	1663	32	22	12674	2377	38	11	12982	4835	52	14	13124	6490	37	18	27
28	12544	1677	29	22	12686	2450	48	11	12989	4908	52	14	13128	6542	35	17	28
29					12704	2562	67	11	12996	4981	51	15	13130	6568	34	17	29
30					12835	3497	123	76	13003	5055	50	15	13132	6594	33	17	30
31					12795	3191	55	70					13134	6620	32	17	31
TOTAL			1102	987			2892	2129			2986	2047			1293	504	
Inf. Ac. Ft.			2186				5736				5923				2565	30146	
Outf. Ac. Ft.				1958				4223				4060			1000	25364	
Maximum Mean Daily Inflow			123				123.7				335				49	1636	
Minimum Mean Daily Inflow			27				25				50				32	12	
Storage Change		+228				+1514				+1864				+1565		+4785	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1314.2	feet on 6/6/46	Storage 672.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1244.6	feet on 1/24/46	Storage 123.9	Acre Feet	KERMIT A. SHIPLEY	Dam Tender	Gage Hts. copied WEC	APK 5/12/47
Max. Peak Inf.	492	C.F.S. from 6:45 A.M. on 12/23/45	to 7:15 A.M. on 12/23/45		T. E. MOON	Hydrographer	Storage applied WEC	APK "
Max. Peak Outf.	298	C.F.S. from AT 3:00 P.M. on 12/22/45	to	on		Hydrographer	Inf. & Outf. comp. WEC	APK 5/19/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION — JHL 7/31/47

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 86C Revised 1946 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon On

for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 696.9 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of May, 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1313.6	664.7	3.0	1.7	1297.3	474.3	2.6	6.7	1278.2	309.6	1.3	2.1	1273.1	273.9	1.0	1.4	1
2	1313.8	667.3	2.9	1.8	1296.5	466.2	2.5	6.7	1278.0	308.1	1.3	2.1	1273.0	273.2	1.0	1.4	2
3	1314.0	669.9	2.9	1.8	1295.5	456.2	2.4	6.7	1277.8	306.7	1.3	2.1	1272.9	272.5	1.0	1.4	3
4	1314.1	671.2	2.8	1.9	1294.6	447.3	2.4	6.7	1277.6	305.2	1.3	2.1	1272.8	271.9	0.9	1.4	4
5	1314.2	672.6	2.8	1.9	1293.7	438.6	2.3	6.7	1277.4	303.8	1.3	2.1	1272.7	271.2	0.9	1.4	5
6	1314.0	669.9	2.8	3.9	1292.8	430.0	2.2	6.7	1277.2	302.3	1.2	2.1	1272.5	269.9	0.9	1.4	6
7	1313.7	666.0	2.8	5.0	1291.9	421.6	2.2	6.7	1277.0	300.9	1.2	2.1	1272.4	269.2	0.9	1.4	7
8	1313.3	660.7	2.8	5.0	1291.0	413.3	2.2	6.6	1276.8	299.5	1.2	2.0	1272.2	267.8	0.9	1.4	8
9	1313.0	656.8	2.8	5.0	1290.1	405.1	2.3	6.6	1276.5	297.4	1.2	2.0	1272.0	266.5	0.9	1.4	9
10	1312.7	652.9	2.8	5.0	1289.1	396.2	2.3	6.6	1276.2	295.2	1.2	2.0	1271.9	265.9	0.9	1.4	10
11	1312.3	647.7	2.8	5.0	1288.1	387.5	2.3	6.6	1275.9	293.1	1.1	2.0	1271.8	265.2	0.9	1.4	11
12	1311.9	642.5	2.7	5.0	1287.1	378.9	2.3	6.6	1275.6	291.0	1.1	2.0	1271.7	264.6	0.9	1.4	12
13	1311.1	632.2	2.6	7.7	1286.1	370.5	2.3	6.6	1275.4	289.6	1.1	2.0	1271.5	263.3	0.9	1.4	13
14	1310.2	620.8	2.6	9.0	1285.1	362.3	2.3	6.6	1275.3	288.9	1.1	1.7	1271.4	262.6	0.9	1.3	14
15	1309.2	608.3	2.5	9.0	1284.0	353.6	2.2	6.6	1275.2	288.2	1.1	1.5	1271.2	261.3	0.9	1.3	15
16	1308.4	598.5	2.5	8.1	1282.9	344.9	2.2	6.6	1275.1	287.5	1.2	1.5	1271.1	260.7	0.9	1.3	16
17	1308.0	593.6	2.5	4.9	1281.8	336.4	2.2	6.6	1275.0	286.8	1.2	1.5	1270.9	259.4	0.9	1.3	17
18	1307.4	586.3	2.5	6.6	1280.7	328.1	2.1	6.6	1274.9	286.1	1.1	1.5	1270.8	258.7	0.9	1.3	18
19	1306.6	575.6	2.5	7.0	1280.1	323.6	2.1	4.6	1274.8	285.4	1.1	1.5	1270.6	257.5	0.9	1.3	19
20	1305.7	566.1	2.6	7.2	1280.0	322.8	2.1	1.9	1274.7	284.7	1.1	1.5	1270.5	256.9	0.9	1.3	20
21	1305.0	557.9	2.7	7.2	1279.9	322.1	1.9	1.9	1274.6	284.0	1.1	1.5	1270.4	256.2	0.9	1.3	21
22	1304.3	549.9	2.7	7.2	1279.9	322.1	1.7	1.9	1274.5	283.4	1.1	1.5	1270.2	255.0	0.9	1.3	22
23	1303.5	540.7	2.8	7.4	1279.7	320.6	1.5	2.0	1274.4	282.7	1.1	1.5	1270.0	253.7	0.9	1.3	23
24	1302.8	532.9	2.9	7.1	1279.6	319.8	1.5	2.0	1274.3	282.0	1.1	1.5	1269.9	253.1	0.9	1.3	24
25	1302.1	525.1	3.0	7.0	1279.5	319.1	1.5	2.1	1274.1	280.6	1.1	1.5	1269.8	252.4	0.9	1.3	25
26	1301.3	516.3	2.9	6.9	1279.3	317.6	1.5	2.1	1274.0	279.9	1.1	1.5	1269.7	251.8	0.9	1.3	26
27	1300.5	507.7	2.8	6.9	1279.1	316.1	1.5	2.1	1273.9	279.2	1.0	1.5	1269.6	251.2	0.8	1.3	27
28	1299.7	499.2	2.7	6.9	1279.0	315.4	1.5	2.1	1273.7	277.9	1.0	1.5	1269.5	250.6	0.8	1.3	28
29	1298.9	490.8	2.6	6.8	1278.8	313.9	1.5	2.1	1273.5	276.6	1.0	1.5	1269.4	249.9	1.0	1.3	29
30	1298.1	482.4	2.6	6.8	1278.7	313.2	1.5	2.1	1273.4	275.9	1.0	1.5	1269.4	249.9	1.2	1.3	30
31					1278.5	311.8	1.4	2.1	1273.3	275.2	1.0	1.4					31
TOTAL			81.9	172.4			62.5	148.5			35.3	53.8			27.5	40.3	
Inf. Ac. Ft.			162.4				124.0				70.0				54.5	342.55	
Outf. Ac. Ft.				342.0				294.5				106.7				79.9	335.95
Maximum Mean Daily Inflow			3.0				2.6				1.3				1.2	1.636	
Minimum Mean Daily Inflow			2.5				1.4				1.0				0.8	0.8	
Storage Change		-179.6				-170.6				-36.6				-25.3		+66.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1314.2	feet	on 6/6/46	Storage	672.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1244.6	feet	on 1/24/46	Storage	123.9	Acre Feet	KERMIT A. SHIPLEY	Dam Tender	Gage Hts. copied FHM	APK	5/12/47
Max. Peak Inf.	492	C.F.S. from 6:45 A.M.	on 12/23/45	to	7:15 A.M.	on 12/23/45	T. E. MOON	Hydrographer	Storage applied FHM	APK	"
Max. Peak Outf.	298	C.F.S. from AT 3:00 P.M.	on 12/22/45	to		on		Hydrographer	Inf. & Outf. comp FHM	APK	5/19/47

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNT
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

JHL 8/1/47

F. C. Dist. Form 86A Revised 1946 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon On

for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January, 1947 Survey Gage Heights Read daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1270.2	255.0	3.9	1.3	1273.3	275.2	1.7	1.4	1262.8	211.1	10.7	16.6			26.6	26.6	1
2	1270.5	256.9	2.2	1.3	1273.4	275.9	1.7	1.4	1262.5	209.5	9.1	10.0			23.1	23.1	2
3	1270.7	258.1	1.8	1.2	1273.5	276.6	1.7	1.4	1262.0	206.7	8.5	9.9			20.7	20.7	3
4	1270.9	259.4	1.9	1.2	1273.6	277.2	1.7	1.4	1261.5	204.0	8.5	9.8			18.5	18.5	4
5	1271.0	260.0	1.5	1.2	1273.6	277.2	1.6	1.4	1261.0	201.3	8.3	9.7			17.7	17.7	5
6	1271.1	260.7	1.3	1.2	1273.7	277.9	1.6	1.4	1262.0	206.7	8.6	5.9			16.9	16.9	6
7	1271.2	261.3	1.3	1.2	1273.8	278.6	1.6	1.4	1260.8	200.2	6.5	9.7			16.0	16.0	7
8	1271.2	261.3	1.3	1.2	1274.0	279.9	2.0	1.4	1259.3	192.3	5.6	9.6			15.6	15.6	8
9	1271.3	262.0	1.3	1.2	1274.2	281.3	2.3	1.4	1258.5	188.1	5.5	7.6			15.0	15.0	9
10	1271.3	262.0	1.3	1.2	1274.4	282.7	2.2	1.4	1258.6	188.6	5.5	5.3			14.3	14.3	10
11	1271.4	262.6	1.3	1.2	1274.8	285.4	2.8	1.4	1258.6	188.6	5.2	5.3			13.8	13.8	11
12	1271.4	262.6	1.3	1.2	1279.1	316.1	22.8	7.3	1258.6	188.6	5.0	5.3			13.3	13.3	12
13	1271.4	262.6	1.3	1.2	1276.1	294.5	78.4	8.93	1258.4	187.6	5.0	5.3			12.8	12.8	13
14	1271.3	262.0	1.3	1.2	1262.9	211.7	20.7	62.5	1258.4	187.6	5.0	4.9			12.4	12.4	14
15	1271.3	262.0	1.3	1.2	1265.1	224.1	13.9	7.6	1258.4	187.6	4.8	4.7			12.0	12.0	15
16	1271.4	262.6	1.8	1.3	1268.1	241.9	9.0	0	1258.4	187.6	4.8	4.7			11.4	11.4	16
17	1271.7	264.6	1.8	1.4	1270.3	255.6	6.9	0	1258.3	187.1	4.8	4.7			10.8	10.8	17
18	1271.8	265.2	1.7	1.4	1272.1	267.2	5.8	0	1258.7	189.1	4.6	3.7			10.5	10.5	18
19	1271.8	265.2	1.6	1.4	1273.7	277.9	5.4	0	1259.2	191.8	4.6	3.2			10.1	10.1	19
20	1271.9	265.9	1.6	1.4	1268.1	387.5	122.0	66.7	1259.5	193.4	4.2	3.8			9.8	9.8	20
21	1271.9	265.9	1.6	1.4	1273.7	277.9	32.9	8.82	1259.2	191.8	3.9	4.7			9.6	9.6	21
22	1271.9	265.9	1.6	1.4	1260.0	196.0	15.2	5.65	1258.9	190.2	3.9	4.7			9.4	9.4	22
23	1272.0	266.5	1.6	1.4	1261.3	202.9	39.5	3.60	1258.6	188.6	3.9	4.7			8.7	8.7	23
24	1272.0	266.5	1.6	1.4	1264.3	219.5	33.6	2.52	1258.6	188.6	4.7	4.7			8.0	8.0	24
25	1272.1	267.2	1.6	1.4	1266.9	234.7	23.5	1.59	1273.5	276.6	61.7	17.3			8.0	8.0	25
26	1272.1	267.2	1.4	1.4	1268.7	245.6	19.0	1.35	1270.2	255.0	121.8	132.7			7.9	7.9	26
27	1272.3	268.5	2.1	1.4	1270.9	259.4	17.0	1.00	1266.0	229.3	93.8	106.8	1181	* 0	7.8	7.8	27
28	1272.6	270.5	2.4	1.4	1269.6	251.2	15.2	1.93	1250.4	148.9	55.7	96.2	1210.0	22.1	14.0	2.9	28
29	1272.9	272.5	2.4	1.4	1267.8	240.1	13.2	1.88	1188.0	0.9	52.2	126.8	1218.7	40.7	9.4	0	29
30	1273.1	273.9	2.1	1.4	1264.9	222.9	12.1	2.08			40.8	41.3	1224.9	57.9	8.7	0	30
31	1273.2	274.5	1.7	1.4							30.2	30.2	1229.9	74.3	8.3	0	31
TOTAL			52.9	40.5			527.0	553.0			597.4	709.8			401.1	363.6	
Inf. Ac. Ft.			104.9				1045.3				1184.9				795.6	3130.7	
Outf. Ac. Ft.				80.3				1096.9				1407.9			721.2	3308.3	
Maximum Mean Daily Inflow			3.9				122.0				121.8				26.6	122.0	
Minimum Mean Daily Inflow			1.3				1.6				3.9				7.8	1.3	
Storage Change		+24.6				-51.6				-222.9				+74.3		-175.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1293.7	feet	on 11/20/46	Storage	438.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1181 ±	feet	on 1/11 TO 27/47	Storage	0	Acre Feet	K. A. SHIPLEY	Dam Tender	Gage Hts. copied JHL	APK	1/16/48
Max. Peak Inf.	382	C.F.S. from 9:00 A.M.	on 11/20/46	to	10:00 A.M.	on 11/20/46	T. E. MOON	Hydrographer	Storage applied JHL	APK	"
Max. Peak Outf.	203	C.F.S. from 3:00 A.M.	on 12/26/46	to	4:00 A.M.	on 12/26/46		Hydrographer	Inf. & Outf. comp. JHL	APK	1/16/48

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
* STORAGE BASED ON NEW SURVEY, COMPLETED JANUARY 29, 1947
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

BIG SANTA ANITA (cont'd)

F. C. Dist. Form 86B Revised 300 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 19 47

On

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January, 1947 Survey Gage Heights Read daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1234.0	88.9	[7.8	0	1251.8	165.4	5.1	4.8	1271.1	278.1	[4.5	2.5	1275.3	308.1	3.0	[2.8	1
2	1237.8	103.6	7.4	0	1251.9	165.9	5.1	4.9	1271.7	282.2	4.5	2.5	1275.3	308.1	2.9	2.6	2
3	1241.4	118.2	7.0	0	1251.9	165.9	5.0	5.0	1272.3	286.4	4.5	2.5	1275.3	308.1	2.7	2.5	3
4	1244.5	131.4	6.6	0	1252.0	166.4	5.3	5.0	1272.8	289.9	4.4	2.5	1275.3	308.1	2.7	2.5	4
5	1247.6	145.3	6.6	0	1252.1	166.9	5.2	5.0	1273.3	293.5	4.4	2.5	1275.3	308.1	2.6	2.4	5
6	1250.3	158.0	6.6	0	1252.9	170.9	7.0	5.0	1273.7	296.3	[4.2	2.5	1275.4	308.8	2.6	2.4	6
7	1252.9	170.9	6.5	0	1254.0	176.5	7.8	5.0	1274.3	300.7	4.1	2.0	1275.5	309.6	2.6	2.3	7
8	1255.3	183.3	[6.5	0	1254.0	176.5	5.0	5.0	1275.0	305.8	4.1	1.5	1275.7	311.1	2.6	[2.3	8
9	1258.0	197.9	7.3	0	1253.9	176.0	[4.7	5.0	1275.7	311.1	4.0	1.5	1276.1	314.1	2.6 **	[0.8	9
10	1257.6	195.7	[8.4	8.8	1254.3	178.1	4.7	3.8	1274.5	302.2	[4.0	8.5	1276.6	317.9	2.6	0.3	10
11	1254.1	177.0	[7.7	17.8	1255.3	183.3	4.7	2.5	1273.4	294.2	[3.8	7.9	1277.2	322.4	2.7	0.4	11
12	1251.8	165.4	7.4	13.3	1256.2	188.1	4.7	2.5	1273.5	294.9	3.6	3.2	1277.8	327.1	2.7	0.6	12
13	1250.8	160.4	7.0	9.5	1257.0	192.4	4.7	2.5	1273.6	295.6	3.4	3.2	1278.3	331.0	2.7	0.6	13
14	1251.0	161.4	[6.8	5.8	1257.7	196.3	4.7	2.5	1272.8	289.9	3.4	6.1	1278.9	335.7	2.8	0.7	14
15	1251.0	161.4	6.4	5.8	1258.5	200.7	4.7	2.5	1272.9	290.6	3.4	3.3	1279.5	340.5	2.8	0.8	15
16	1251.0	161.4	6.2	5.8	1259.2	204.6	4.6	2.5	1272.8	289.9	3.3	3.2	1280.0	344.4	2.8	0.8	16
17	1251.2	162.4	6.0	5.8	1259.8	208.0	4.6	2.5	1272.9	290.6	3.3	2.8	1280.5	348.5	2.7	0.8	17
18	1251.5	163.9	5.8	5.8	1260.5	212.0	[4.6	2.5	1273.0	291.3	3.3	2.8	1280.9	351.7	2.7	0.8	18
19	1251.5	163.9	5.8	5.8	1261.3	216.6	4.9	2.5	1273.1	292.0	3.2	2.8	1281.3	355.0	2.6	0.8	19
20	1251.6	164.4	5.7	5.8	1262.1	221.3	4.8	2.5	1273.4	294.2	[3.3	2.8	1281.7	358.2	2.6	0.9	20
21	1251.6	164.4	[5.6	5.8	1263.1	227.2	5.5	2.5	1273.5	294.9	[3.8	2.8	1282.0	360.7	2.5	0.9	21
22	1251.5	163.9	[5.6	5.8	1263.9	232.0	4.9	2.5	1273.8	297.1	3.8	2.8	1282.4	364.0	2.5	1.0	22
23	1251.3	162.9	[5.4	5.8	1264.6	236.3	4.7	2.5	1273.9	297.8	3.8	2.8	1282.8	367.3	2.5	1.1	23
24	1251.3	162.9	5.2	5.2	1265.1	239.3	[4.2	2.5	1274.1	299.2	3.6	2.8	1283.2	370.6	2.5	1.1	24
25	1251.4	163.4	5.0	4.8	1265.7	243.0	[4.2	2.5	1274.3	300.7	3.4	2.8	1283.5	373.1	2.5	1.1	25
26	1251.4	163.4	4.8	4.8	1266.2	246.2	4.1	2.5	1274.5	302.2	3.4	2.8	1283.0	368.9	2.4	4.5	26
27	1251.6	164.4	5.3	4.8	1266.7	249.3	4.1	2.5	1274.7	303.6	3.4	2.8	1281.7	358.2	2.3	7.7	27
28	1251.7	164.9	5.1	4.8	1268.2	258.9	7.3	2.5	1274.9	305.1	3.4	2.9	1280.5	348.5	2.6	7.5	28
29					1269.1	264.8	5.5	2.5	1275.0	305.8	3.2	2.9	1279.2	338.1	[2.6	8.0	29
30					1269.9	270.0	5.1	2.5	1275.2	307.3	3.1	2.9	1277.9	327.8	2.6	7.9	30
31					1270.5	274.1	4.6	2.5					1276.5	317.1	2.7	7.9	31
TOTAL			177.5	131.8			156.1	101.0			111.6	94.9			81.7	76.8	
Inf. Ac. Ft.			352.1				309.6				221.4				162.0	417.8	
Outf. Ac. Ft.				261.4				200.3				188.2			152.3	410.5	
Maximum Mean Daily Inflow			8.4				7.8				4.5				3.0	12.0	
Minimum Mean Daily Inflow			4.8				4.1				3.1				2.3	1.3	
Storage Change		+90.6				+109.2				+33.2				+9.8		+67.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev. 1293.7 feet on 11/20/46 Storage 438.6 Acre Feet

Min. W. S. Elev. 1181 ± feet on 1/11 TO 27/47 Storage 0 Acre Feet

Max. Peak Inf. 382 C.F.S. from 9:00 A.M. on 11/20/46 to 10:00 A.M. on 11/20/46

Max. Peak Outf. 203 C.F.S. from 3:00 A.M. on 12/26/46 to 4:00 A.M. on 12/26/46

RECORDS COLLECTED BY

K. A. SHIPLEY — Dam Tender

T. E. MOON — Hydrographer

Hydrographer

COMPUTATIONS — ckd. — Date

Gage Hts. copied — JHL APK 1/16/48

Storage applied — JHL APK "

Inf. & Outf. comp. — JHL APK 1/16/48

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

** EARTH DUMPED IN RISER TO PLUG SLUICE GATE LEAKAGE

NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 86C Revised 300 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 19 47

On

Continuous Water Stage Recorder Au

Drainage Area 10.8 Square Miles. Capacity of Reservoir 727.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of January, 1947 Survey Gage Heights Read daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1275.2	307.3	[2.6	7.5	1276.6	317.9	[1.9	2.1	1273.5	294.9	[0.9	1.2	1270.5	274.1	[0.8	1.2	1
2	1274.8	304.3	2.6	4.2	1276.5	317.1	1.7	2.1	1273.3	293.5	0.8	1.2	1270.5	274.1	0.8	1.1	2
3	1275.0	305.8	2.6	1.8	1276.4	316.3	1.5	2.1	1273.2	292.7	0.8	1.2	1270.5	274.1	0.8	1.0	3
4	1275.2	307.3	2.5	1.7	1276.2	314.8	1.4	2.1	1273.1	292.0	0.8	1.2	1270.5	274.1	0.8	0.9	4
5	1275.2	307.3	2.5	2.5	1276.0	313.3	1.2	2.1	1273.0	291.3	0.8	1.2	1270.5	274.1	0.8	0.7	5
6	1275.1	306.6	2.5	[3.0	1275.8	311.8	1.2	2.1	1272.9	290.6	0.8	1.2	1270.5	274.1	0.8	0.7	6
7	1275.0	305.8	2.5	3.0	1275.6	310.3	1.2	2.1	1272.8	289.9	0.8	1.2	1270.5	274.1	0.8	0.7	7
8	1274.9	305.1	2.5	3.0	1275.4	308.8	1.2	1.9	1272.7	289.2	0.8	1.2	1270.5	274.1	0.8	0.7	8
9	1274.7	303.6	2.5	2.9	1275.1	306.6	1.2	2.0	1272.6	288.5	0.8	1.2	1270.5	274.1	0.8	0.7	9
10	1274.6	302.9	2.5	[2.9	1274.9	305.1	1.2	1.9	1272.5	287.8	0.8	1.2	1270.4	273.4	[0.8	0.7	10
11	1274.4	301.4	2.5	[2.7	1274.7	303.6	[1.2	2.0	1272.4	287.1	[0.8	1.1	1270.5	274.1	[0.8	0.7	11
12	1274.2	300.0	2.5	2.5	1274.4	301.4	1.2	2.0	1272.3	286.4	0.8	1.2	1270.5	274.1	0.8	0.7	12
13	1274.2	300.0	2.4	2.3	1274.2	300.0	1.2	2.0	1272.2	285.7	0.8	1.2	1270.6	274.7	0.8	0.7	13
14	1274.5	302.2	2.4	2.0	1274.1	299.2	1.2	1.4	1272.0	284.3	0.8	1.2	1270.6	274.7	0.9	0.7	14
15	1274.8	304.3	2.4	2.0	1274.1	299.2	1.2	1.2	1271.9	283.6	0.8	1.2	1270.6	274.7	0.9	0.7	15
16	1275.0	305.8	2.4	[1.8	1274.2	300.0	1.2	1.2	1271.8	282.9	0.8	1.2	1270.6	274.7	0.9	0.7	16
17	1275.2	307.3	2.3	1.6	1274.2	300.0	1.2	1.2	1271.7	282.2	0.8	1.2	1270.7	275.4	0.9	0.7	17
18	1275.4	308.8	2.3	1.5	1274.2	300.0	1.2	1.2	1271.6	281.5	0.8	1.2	1270.7	275.4	0.8	0.7	18
19	1275.6	310.3	2.3	1.3	1274.2	300.0	1.2	1.2	1271.5	280.9	0.8	1.2	1270.8	276.1	0.8	0.7	19
20	1275.9	312.6	2.3	[1.2	1274.2	300.0	[1.2	1.2	1271.4	280.2	[0.8	1.2	1270.8	276.1	[0.8	0.7	20
21	1276.2	314.8	2.3	[1.2	1274.1	299.2	[1.1	1.2	1271.3	279.5	[0.9	1.3	1270.9	276.7	[0.8	0.7	21
22	1276.5	317.1	2.2	1.2	1274.1	299.2	1.1	1.2	1271.1	278.1	1.0	1.3	1270.9	276.7	0.8	0.7	22
23	1276.7	318.6	2.2	1.2	1274.0	298.5	1.1	1.2	1271.0	277.4	1.0	1.2	1271.0	277.4	0.9	0.7	23
24	1276.8	319.4	2.2	1.8	1274.0	298.5	1.0	1.2	1270.9	276.7	1.0	1.2	1271.0	277.4	0.9	0.7	24
25	1276.8	319.4	2.2	2.2	1274.0	298.5	1.0	1.2	1270.8	276.1	1.0	1.3	1271.0	277.4	[0.8	0.7	25
26	1276.8	319.4	2.1	2.2	1274.0	298.5	[1.0	1.2	1270.7	275.4	1.0	1.3	1271.0	277.4	[0.7	0.7	26
27	1276.8	319.4	2.1	2.1	1274.0	298.5	1.0	1.2	1270.6	274.7	1.0	1.2	1271.0	277.4	0.7	0.7	27
28	1276.8	319.4	2.0	2.1	1273.9	297.8	1.0	1.2	1270.5	274.1	1.0	1.3	1271.0	277.4	0.7	0.7	28
29	1276.8	319.4	2.0	2.1	1273.8	297.1	0.9	1.2	1270.5	274.1	1.0	1.2	1271.0	277.4	0.7	0.7	29
30	1276.7	318.6	2.0	2.1	1273.7	296.3	0.9	1.2	1270.5	274.1	1.0	1.2	1271.0	277.4	0.7	0.7	30
31					1273.6	295.6	0.9	1.2	1270.5	274.1	0.9	1.3					31
TOTAL			70.4	69.6			36.7	48.3			26.9	37.7			24.1	22.4	
Inf. Ac. Ft.			139.6				72.8				53.4				47.8	44.8.94	
Outf. Ac. Ft.				138.0				95.8				74.8			44.4	44.6.15	
Maximum Mean Daily Inflow			2.6				1.9				1.0				0.9	12.2.0	
Minimum Mean Daily Inflow			2.0				0.9				0.8				0.7	0.7	
Storage Change		+1.5				-23.0				-21.5				+3.3		+27.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev. 1293.7 feet on 11/20/46 Storage 438.6 Acre Feet

Min. W. S. Elev. 1181.0 ± feet on 1/11 TO 27/47 Storage 0 Acre Feet

Max. Peak Inf. 382 C.F.S. from 9:00 A.M. on 11/20/46 to 10:00 A.M. on 11/20/46

Max. Peak Outf. 203 C.F.S. from 3:00 A.M. on 12/26/46 to 4:00 A.M. on 12/26/46

RECORDS COLLECTED BY

K. A. SHIPLEY — Dam Tender

T. E. MOON — Hydrographer

Hydrographer

COMPUTATIONS — ckd. — Date

Gage Hts. copied — JHL APK 1/19/48

Storage applied — JHL APK 1/19/48

Inf. & Outf. comp. — JHL APK 1/19/48

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

SAWPIT

F. C. Dist. Form 68A Revised 560 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December 1943 Survey Gage Heights Read Daily

Day	OCTOBER				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	1308.6	59.2	0	0	1308.3	58.5	0	0	1293.6	26.1	0	1.5	1310.1	63.0	0.3	0.3	1
2	1308.5	59.0	0	0	1308.3	58.5	0	0	1292.1	23.4	0	1.4	1310.2	63.2	0.5	0.4	2
3	1308.5	59.0	0	0	1308.3	58.5	0	0	1290.5	20.7	0	1.3	1310.2	63.2	0.5	0.5	3
4	1308.5	59.0	0	0	1308.3	58.5	0	0	1288.9	18.3	0	1.3	1310.2	63.2	0.5	0.5	4
5	1308.5	59.0	0	0	1308.3	58.5	0	0	1287.1	15.8	0	1.2	1310.2	63.2	0.4	0.4	5
6	1308.5	59.0	0	0	1308.3	58.5	0	0	1285.2	13.5	0	1.1	1310.1	63.0	0.3	0.4	6
7	1308.5	59.0	0	0	1308.3	58.5	0	0	1283.2	11.4	0	1.1	1310.1	63.0	0.3	0.3	7
8	1308.5	59.0	0	0	1308.3	58.5	0	0	1281.1	9.5	0	0.9	1310.1	63.0	0.2	0.2	8
9	1308.5	59.0	0	0	1308.2	58.2	0	0	1280.4	8.9	0	0.3	1310.1	63.0	0.2	0.2	9
10	1308.5	59.0	0	0	1308.2	58.2	0	0	1280.6	9.0	(0	0	1310.1	63.0	0.2	0.2	10
11	1308.5	59.0	0	0	1308.2	58.2	0	0	1280.8	9.2	0.1	0	1310.0	62.7	0.1	0.2	11
12	1308.5	59.0	0	0	1308.2	58.2	0	0	1280.8	9.2	0	0	1310.0	62.7	0.2	0.2	12
13	1308.5	59.0	0	0	1308.2	58.2	0	0	1280.9	9.3	0	0	1310.0	62.7	0.1	0.1	13
14	1308.4	58.7	0	0	1308.2	58.2	0	0	1280.9	9.3	0	0	1310.0	62.7	0.1	0.1	14
15	1308.4	58.7	0	0	1308.2	58.2	0	0	1280.9	9.3	0	0	1310.1	63.0	0.2	0.1	15
16	1308.4	58.7	0	0	1308.2	58.2	0	0	1281.0	9.4	0.1	0	1310.1	63.0	(0.1	0.1	16
17	1308.4	58.7	0	0	1308.2	58.2	0	0	1281.0	9.4	0	0	1310.1	63.0	0.1	0.1	17
18	1308.4	58.7	0	0	1308.2	58.2	0	0	1281.1	9.5	0	0	1310.0	62.7	0	0.1	18
19	1308.4	58.7	0	0	1308.1	58.0	0	0	1281.1	9.5	0	0	1310.0	62.7	0.1	0.1	19
20	1308.4	58.7	0	0	1308.1	58.0	0	0	1281.2	9.6	(0.1	0	1310.0	62.7	0.1	0.1	20
21	1308.4	58.7	0	0	1307.3	56.0	0	1.0	1285.7	14.1	2.3	0	1310.1	63.0	0.2	0.1	21
22	1308.4	58.7	0	0	1306.0	52.9	0	1.5	1308.1	58.0	22.1	0	1310.1	63.0	0.1	0.1	22
23	1308.4	58.7	0	0	1304.8	50.0	0	1.5	1310.7	64.5	24.3	21.0	1310.0	62.7	0	0.1	23
24	1308.3	58.5	0	0	1303.5	47.1	0	1.5	1310.3	63.5	4.9	5.4	1310.0	62.7	0.1	0.1	24
25	1308.3	58.5	0	0	1302.1	43.8	0	1.5	1310.3	63.5	2.8	2.8	1310.0	62.7	0.1	0.1	25
26	1308.3	58.5	0	0	1300.8	41.0	0	1.5	1310.3	63.5	1.8	1.8	1310.0	62.7	0.1	0.1	26
27	1308.3	58.5	0	0	1299.4	37.9	0	1.6	1310.2	63.2	1.1	1.3	1310.0	62.7	0.1	0.1	27
28	1308.3	58.5	0	0	1298.0	34.9	0	1.5	1310.2	63.2	1.2	1.2	1310.0	62.7	0.1	0.1	28
29	1308.3	58.5	0	0	1296.6	32.0	0	1.5	1310.2	63.2	0.7	0.7	1310.0	62.7	0.1	0.1	29
30	1308.3	58.5	0	0	1295.1	29.0	0	1.5	1310.1	63.0	0.5	0.6	1310.0	62.7	0.1	0.1	30
31	1308.3	58.5	0	0					1310.1	63.0	0.4	0.4	1310.0	62.7	(0.1	0.1	31
TOTAL			0	0			0	14.6			62.4	45.3			5.6	5.7	
Inf. Ac. Ft.			0				0				123.8				11.1	134.9	
Outf. Ac. Ft.			0 + (0.8)				29.0 + (0.6)				89.9				11.3	130.2+(1.4)	
Maximum Mean Daily Inflow			0				0				24.3				0.5	24.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-0.7				-29.5				+34.0				-0.3		+3.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1315.4	feet on	12/23/45	Storage	77.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1280.1	feet on	12/9/45	Storage	8.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied RAW	JHL 9/30/46
Max. Peak Inf.	85.2	C. F. S. from 6:00 A.M.	on	12/23/45	to 7:00 A.M.	on 12/23/45	T. E. MOON	Hydrographer	Storage applied	JHL 10/5/46
Max. Peak Outf.	36.0	C. F. S. from AT 1:00 P.M.	on	12/23/45	to	on		Hydrographer	Inf. & Outf. comp. RAW	JHL 11/27/46

REMARKS ( ) INDICATES TOTAL MONTHLY LOSS DUE TO EVAPORATION AND PERCOLATION
{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 68B Revised 560 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December 1943 Survey Gage Heights Read Daily

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.3	63.5	4.1	4.2	1310.0	62.7	+	+	1
2	1310.1	63.0	0.2	0.1	1310.0	62.7	0.1	0.1	1310.4	63.7	4.4	4.3	1310.0	62.7			2
3	1310.3	63.5	0.5	0.3	1310.0	62.7	0.1	0.1	1310.4	63.7	3.7	3.7	1310.0	62.7			3
4	1310.1	63.0	0.3	0.5	1310.0	62.7	0.1	0.1	1310.1	63.0	2.8	3.2	1310.0	62.7			4
5	1310.1	63.0	0.3	0.3	1310.0	62.7	0.1	0.1	1310.1	63.0	1.8	1.8	1310.0	62.7			5
6	1310.0	62.7	0	0.1	1310.0	62.7	0.1	0.1	1310.1	63.0	1.2	1.2	1310.0	62.7			6
7	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.1	63.0	1.1	1.1	1310.0	62.7			7
8	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.1	63.0	0.9	0.9	1310.0	62.7			8
9	1310.1	63.0	0.2	0.1	1310.0	62.7	0.1	0.1	1310.1	63.0	0.7	0.7	1310.0	62.7			9
10	1310.1	63.0	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.4	0.5	1310.0	62.7			10
11	1310.0	62.7	0	0.1	1310.1	63.0	0.2	0.1	1310.0	62.7	0.4	0.4	1310.0	62.7			11
12	1310.0	62.7	0.1	0.1	1310.1	63.0	0.1	0.1	1310.0	62.7	0.3	0.3	1310.0	62.7			12
13	1310.0	62.7	0.1	0.1	1310.0	62.7	0	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			13
14	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			14
15	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			15
16	1310.1	63.0	0.2	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			16
17	1310.0	62.7	0	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			17
18	1310.0	62.7	0.1	0.1	1310.1	63.0	0.2	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			18
19	1310.0	62.7	0.1	0.1	1310.1	63.0	0.1	0.1	1310.0	62.7	0.2	0.2	1310.0	62.7			19
20	1310.0	62.7	0.1	0.1	1310.1	63.0	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			20
21	1310.0	62.7	0.1	0.1	1310.1	63.0	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			21
22	1310.0	62.7	0.1	0.1	1310.0	62.7	0	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			22
23	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			23
24	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			24
25	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			25
26	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			26
27	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			27
28	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			28
29					1310.0	62.7	0.1	0.1	1310.0	62.7	0.1	0.1	1310.0	62.7			29
30					1310.7	64.5	19.5	18.6	1310.0	62.7	0.1	0.1	1310.0	62.7			30
31					1310.4	63.7	7.5	7.9					1310.0	62.7	+	+	31
TOTAL			3.6	3.6			29.9	29.4			24.3	24.8			1.6	1.6	
Inf. Ac. Ft.			7.1				59.3				48.2				3.2	252.7	
Outf. Ac. Ft.			7.1				58.3				49.2				3.2	(1.4)+248.0	
Maximum Mean Daily Inflow			0.5				19.5				4.4				0.05	24.3	
Minimum Mean Daily Inflow			0				0				0.1				0.05	0	
Storage Change	0					+1.0				-1.0				0		+3.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1315.4	feet on	12/23/45	Storage	77.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1280.1	feet on	12/9/45	Storage	8.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied RAW	JHL 9/30/46
Max. Peak Inf.	85.2	C. F. S. from 6:00 A.M.	on	12/23/45	to 7:00 A.M.	on 12/23/45	T. E. MOON	Hydrographer	Storage applied	JHL 10/5/46
Max. Peak Outf.	36.0	C. F. S. from AT 1:00 P.M.	on	12/23/45	to	on		Hydrographer	Inf. & Outf. comp. RAW	JHL 11/27/46

REMARKS ( ) INDICATES TOTAL MONTHLY LOSS DUE TO EVAPORATION AND PERCOLATION
+ INDICATES 0.05 C.F.S. FLOW

SAWPIT (cont'd)

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon On for the Year Ending September 30, 1946.

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1310.0	62.7	+	+	1310.0	62.7	+	+	1309.5	61.5	0	0	1308.8	59.7	0	0	1
2	1310.0	62.7			1310.0	62.7			1309.5	61.5	0	0	1308.7	59.5	0	0	2
3	1310.0	62.7			1310.0	62.7			1309.5	61.5	0	0	1308.7	59.5	0	0	3
4	1310.0	62.7			1310.0	62.7			1309.5	61.5	0	0	1308.7	59.5	0	0	4
5	1310.0	62.7			1310.0	62.7			1309.4	61.2	0	0	1308.7	59.5	0	0	5
6	1310.0	62.7			1310.0	62.7	Flow Negligible	Total only shown	1309.4	61.2	0	0	1308.6	59.2	0	0	6
7	1310.0	62.7			1310.0	62.7			1309.4	61.2	0	0	1308.6	59.2	0	0	7
8	1310.0	62.7			1310.0	62.7			1309.4	61.2	0	0	1308.6	59.2	0	0	8
9	1310.0	62.7			1310.0	62.7			1309.3	61.0	0	0	1308.6	59.2	0	0	9
10	1310.0	62.7			1310.0	62.7			1309.3	61.0	0	0	1308.5	59.0	0	0	10
11	1310.0	62.7			1310.0	62.7			1309.3	61.0	0	0	1308.5	59.0	0	0	11
12	1310.0	62.7			1310.0	62.7	+	+	1309.3	61.0	0	0	1308.5	59.0	0	0	12
13	1310.0	62.7			1309.9	62.5	0	0	1309.3	61.0	0	0	1308.5	59.0	0	0	13
14	1310.0	62.7			1309.9	62.5	0	0	1309.2	60.7	0	0	1308.5	59.0	0	0	14
15	1310.0	62.7			1309.9	62.5	0	0	1309.2	60.7	0	0	1308.4	58.7	0	0	15
16	1310.0	62.7	Flow Negligible	Total only shown	1309.8	62.2	0	0	1309.2	60.7	0	0	1308.4	58.7	0	0	16
17	1310.0	62.7			1309.8	62.2	0	0	1309.1	60.5	0	0	1308.4	58.7	0	0	17
18	1310.0	62.7			1309.8	62.2	0	0	1309.1	60.5	0	0	1308.4	58.7	0	0	18
19	1310.0	62.7			1309.8	62.2	0	0	1309.1	60.5	0	0	1308.4	58.7	0	0	19
20	1310.0	62.7			1309.8	62.2	0	0	1309.1	60.5	0	0	1308.3	58.5	0	0	20
21	1310.0	62.7			1309.8	62.2	0	0	1309.0	60.2	0	0	1308.3	58.5	0	0	21
22	1310.0	62.7			1309.8	62.2	0	0	1309.0	60.2	0	0	1308.3	58.5	0	0	22
23	1310.0	62.7			1309.7	62.0	0	0	1309.0	60.2	0	0	1308.3	58.5	0	0	23
24	1310.0	62.7			1309.7	62.0	0	0	1309.0	60.2	0	0	1308.2	58.2	0	0	24
25	1310.0	62.7			1309.7	62.0	0	0	1308.9	60.0	0	0	1308.2	58.2	0	0	25
26	1310.0	62.7			1309.7	62.0	0	0	1308.9	60.0	0	0	1308.2	58.2	0	0	26
27	1310.0	62.7			1309.7	62.0	0	0	1308.9	60.0	0	0	1308.2	58.2	0	0	27
28	1310.0	62.7			1309.7	62.0	0	0	1308.9	60.0	0	0	1308.2	58.2	0	0	28
29	1310.0	62.7			1309.6	61.7	0	0	1308.8	59.7	0	0	1308.2	58.2	0	0	29
30	1310.0	62.7	+	+	1309.6	61.7	0	0	1308.8	59.7	0	0	1308.2	58.2	0	0	30
31					1309.6	61.7	0	0	1308.8	59.7	0	0					31
TOTAL			0.6	0.6			0.2	0.2			0	0			0	0	
Inf. Ac. Ft.			1.2				0.4				0				0	254.3	
Outf. Ac. Ft.				1.2			0.4 + (1.0)				0 + (2.0)			0 + (1.6)		249.6+(6.0)	
Maximum Mean Daily Inflow			0.02				0.02				0				0	243	
Minimum Mean Daily Inflow			0.02				0				0				0	0	
Storage Change		0					−1.0				−2.0			−1.5		−1.0	
																Yearly Totals	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1315.4	feet	on 12/23/45	Storage 77.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1280.1	feet	on 12/9/45	Storage 8.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied	RAW	JHL 9/30/46
Max. Peak Inf.	85.2	C.F.S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M.	on 12/23/45	T. E. MOON	Hydrographer	Storage applied	RAW	JHL 11/27/46
Max. Peak Outf.	36.0	C.F.S. from AT 1:00 P.M.	on 12/23/45	to	on		Hydrographer	Inf. & Outf. comp.	RAW	JHL 11/27/46

REMARKS ( ) INDICATES TOTAL MONTHLY LOSS DUE TO EVAPORATION AND PERCOLATION
+ 0.02 FLOW

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1308.3	58.5	0.2	0	1273.1	4.0	0	0	1310.0	62.7	0.1	0.1	1305.4	51.5	[3.6	[9.3	1
2	1308.3	58.5	0	0	1273.2	4.0	0	0	1310.0	62.7	0.1	0.1	1301.7	42.9	3.2	7.9	2
3	1308.2	58.2	0	0	1273.2	4.0	0	0	1310.0	62.7	0.1	0.1	1297.2	33.2	3.0	7.7	3
4	1308.2	58.2	0	0	1273.2	4.0	0	0	1310.0	62.7	0.1	0.1	1292.1	23.4	2.8	7.5	4
5	1308.2	58.2	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1287.9	16.9	2.7	6.0	5
6	1308.2	58.2	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1291.2	21.8	2.5	0	6
7	1308.2	58.2	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1293.1	25.2	1.8	0	7
8	1308.1	58.0	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1294.7	28.2	1.5	0	8
9	1308.1	58.0	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1296.2	31.2	1.5	0	9
10	1308.1	58.0	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1297.4	33.6	1.2	0	10
11	1308.1	58.0	0	0	1273.3	4.0	0	0	1310.0	62.7	0.1	0.1	1298.4	35.7	1.1	0	11
12	1308.1	58.0	0	0	1273.8	4.3	0.2	0	1310.0	62.7	0.1	0.1	1299.2	37.4	0.8	0	12
13	1308.0	57.7	0	0	1282.5	10.8	3.2	0	1310.0	62.7	0.1	0.1	1299.8	38.8	0.7	0	13
14	1300.9	41.2	0	8.3	1286.1	14.6	1.9	0	1310.0	62.7	0.1	0.1	1300.4	40.1	0.7	0	14
15	1293.4	25.8	0	7.7	1287.8	16.7	1.1	0	1310.0	62.7	0.1	0.1	1300.9	41.2	0.6	0	15
16	1287.5	16.4	0.1	4.9	1289.0	18.4	0.9	0	1310.0	62.7	0.1	0.1	1301.4	42.3	0.5	0	16
17	1279.1	7.8	0.3	4.5	1289.7	19.5	0.5	0	1310.0	62.7	0.1	0.1	1301.8	43.2	0.5	0	17
18	1268.3	1.8	0.3	3.3	1290.3	20.4	0.5	0	1310.0	62.7	0.1	0.1	1302.2	44.1	0.4	0	18
19	1270.1	2.5	0.3	0	1290.8	21.2	0.4	0	1310.0	62.7	0.1	0.1	1302.5	44.8	0.4	0	19
20	1271.3	3.0	0.3	0	1310.7	64.5	22.8	1.0	1310.0	62.7	0.1	0.1	1302.9	45.7	0.4	0	20
21	1271.8	3.3	0.1	0	1310.6	64.3	5.4	5.3	1310.0	62.7	0.1	0.1	1303.2	46.4	0.4	0	21
22	1272.2	3.5	0.1	0	1310.5	64.0	2.4	2.5	1310.0	62.7	0.1	0.1	1303.5	47.1	0.4	0	22
23	1272.4	3.6	0.1	0	1311.0	65.3	5.7	5.1	1309.9	62.5	0	0	1303.8	47.7	0.3	0	23
24	1272.5	3.6	0	0	1310.8	64.8	3.7	3.9	1309.9	62.5	0	0	1304.0	48.2	0.3	0	24
25	1272.6	3.7	0.1	0	1310.6	64.3	2.2	2.5	1311.1	65.6	5.3	3.5	1304.3	48.9	0.3	0	25
26	1272.8	3.8	0	0	1310.5	64.0	1.6	1.7	1310.7	64.5	17.4	18.0	1304.5	49.4	0.3	0	26
27	1272.9	3.8	0	0	1310.1	63.0	1.1	1.6	1311.0	65.3	17.4	17.0	1304.8	50.0	0.3	0	27
28	1272.9	3.8	0	0	1310.0	62.7	0.6	0.6	1310.2	64.5	11.6	12.0	1305.4	51.5	0.8	0	28
29	1273.0	3.9	0.1	0	1310.0	62.7	0.3	0.3	1310.5	64.0	7.2	7.4	1305.8	52.4	[0.5	0	29
30	1273.0	3.9	0	0	1310.0	62.7	0.2	0.2	1310.4	63.7	4.8	5.0	1306.2	53.4	[0.4	0	30
31	1273.1	4.0	0	0					1310.0	62.7	4.5	4.8	1306.5	54.1	0.4	0	31
TOTAL			2.0	28.7			54.7	24.7			70.4	69.9			34.3	38.4	
Inf. Ac. Ft.			4.0				108.5				139.6				68.0	320.1	
Outf. Ac. Ft.			56.9 + (1.2)				49.0 + (0.8)				139.6 + (1.0)			76.2 + (0.4)		320.7+(3.4)	
Maximum Mean Daily Inflow			0.3				22.8				17.4				3.6	22.8	
Minimum Mean Daily Inflow			0				0				0				0.3	0	
Storage Change		−54.2					+58.7			0				−8.6		−4.1	
																½ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1311.2	feet	on 12/26/46	Storage 65.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1267.7	feet	on 10/18/46	Storage 1.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied	JHL	APK 10/29/47
Max. Peak Inf.	77.4	C.F.S. from 11:00 A.M.	on 11/20/46	to 12:00 NOON	on 11/20/46	T. E. MOON	Hydrographer	Storage applied	JHL	APK 10/29/47
Max. Peak Outf.	26.2	C.F.S. from 1:30 A.M.	on 12/26/46	to 3:30 A.M.	on 12/26/47		Hydrographer	Inf. & Outf. comp.	JHL	APK 11/7/47

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

SAWPIT (cont'd)

F. C. Dist. Form 82B Revised 5/46 11/44

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon On for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1306.8	548	0.4	0	1302.6	450	0.1	0	1306.2	534	0.1	0	1308.3	585	0.07	0	1
2	1307.1	555	0.3	0	1302.8	454	0.1	0	1306.3	536	0.1	0	1308.3	585	0.07	0	2
3	1307.3	560	0.3	0	1302.9	457	0.1	0	1306.4	539	0.1	0	1308.4	587	0.07	0	3
4	1307.5	565	0.3	0	1303.0	459	0.2	0	1306.5	541	0.1	0	1308.4	587	0.07	0	4
5	1307.7	570	0.3	0	1303.2	464	0.3	0	1306.6	543	0.1	0	1308.4	587	0.07	0	5
6	1307.9	575	0.3	0	1303.3	466	0.2	0	1306.7	546	0.1	0	1308.4	587	0.07	0	6
7	1308.1	580	0.3	0	1303.4	468	0.2	0	1306.8	548	0.1	0	1308.5	590	0.07	0	7
8	1308.3	585	0.2	0	1303.6	473	0.2	0	1306.9	551	0.1	0	1308.5	590	0.07	0	8
9	1308.5	590	0.2	0	1303.7	475	0.2	0	1307.0	553	0.1	0	1308.6	592	0.07	0	9
10	1305.3	512	0.9	4.9	1303.8	477	0.1	0	1307.0	553	0.1	0	1308.6	592	0.07	0	10
11	1298.4	357	0.8	8.6	1304.0	482	0.2	0	1307.1	555	0.1	0	1308.6	592	0.07	0	11
12	1299.0	370	0.7	0	1304.1	484	0.2	0	1307.2	558	0.1	0	1308.6	592	0.07	0	12
13	1299.4	379	0.4	0	1304.2	487	0.2	0	1307.3	560	0.1	0	1308.7	595	0.07	0	13
14	1299.7	385	0.4	0	1304.3	489	0.2	0	1307.3	560	0.1	0	1308.7	595	0.07	0	14
15	1300.0	392	0.3	0	1304.4	491	0.2	0	1307.4	563	0.1	0	1308.7	595	0.06	0	15
16	1300.3	399	0.3	0	1304.5	494	0.1	0	1307.4	563	0.1	0	1308.8	597	0.06	0	16
17	1300.5	403	0.3	0	1304.7	498	0.1	0	1307.5	565	0.1	0	1308.8	597	0.06	0	17
18	1300.7	407	0.3	0	1304.8	500	0.1	0	1307.6	567	0.1	0	1308.8	597	0.06	0	18
19	1300.9	412	0.2	0	1304.9	503	0.1	0	1307.6	567	0.1	0	1308.8	597	0.06	0	19
20	1301.1	416	0.2	0	1305.0	505	0.1	0	1307.7	570	0.1	0	1308.9	600	0.06	0	20
21	1301.3	421	0.2	0	1305.1	507	0.2	0	1307.7	570	0.1	0	1308.9	600	0.06	0	21
22	1301.5	425	0.2	0	1305.2	510	0.2	0	1307.8	572	0.1	0	1308.9	600	0.06	0	22
23	1301.6	427	0.2	0	1305.3	512	0.2	0	1307.8	572	0.1	0	1308.9	600	0.06	0	23
24	1301.8	432	0.2	0	1305.4	515	0.1	0	1307.9	575	0.1	0	1309.0	602	0.06	0	24
25	1302.0	436	0.2	0	1305.5	517	0.1	0	1307.9	575	0.1	0	1309.0	602	0.06	0	25
26	1302.1	438	0.2	0	1305.6	519	0.1	0	1308.0	577	0.1	0	1309.0	602	0.06	0	26
27	1302.3	443	0.2	0	1305.7	522	0.1	0	1308.0	577	0.1	0	1309.1	605	0.06	0	27
28	1302.4	445	0.1	0	1305.8	524	0.1	0	1308.1	580	0.1	0	1309.1	605	0.06	0	28
29					1305.9	527	0.1	0	1308.1	580	0.1	0	1309.1	605	0.06	0	29
30					1306.0	529	0.1	0	1308.2	582	0.1	0	1309.1	605	0.06	0	30
31					1306.1	531	0.1	0					1309.2	607	0.06	0	31
TOTAL			8.9	13.5			4.6	0			3.0	0			2.00	0	
Inf. Ac. Ft.			17.7				9.1				6.0				4.0		36.9
Outf. Ac. Ft.			26.8 + (0.4)				0 + (0.6)				0 + (0.8)				0 + (1.4)		347.5+(6.6)
Maximum Mean Daily Inflow			0.9				0.3				0.1				0.07		22.8
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.06		0
Storage Change		−9.6				+8.6				+5.1				+2.5			+2.5

NOTE: Gage Heights and Storages as of Midnight on Day Shown — % Year

Max. W. S. Elev.	1311.2	feet	on 12/26/46	Storage	65.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1267.7	feet	on 10/18/46	Storage	1.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied	JHL APK 10/29/47
Max. Peak Inf.	77.4	C.F.S. from	11:00 A.M. on 11/20/46	to	12:00 NOON	on 11/20/46	T. E. MOON	Hydrographer	Storage applied	JHL APK 10/29/47
Max. Peak Outf.	26.2	C.F.S. from	1:30 A.M. on 12/26/46	to	3:30 A.M.	on 12/26/46		Hydrographer	Inf. & Outf. comp.	JHL APK 11/7/47

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 82C Revised 5/46 11/44

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon On for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 3.3 Square Miles. Capacity of Reservoir 321.8 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of December, 1943 Survey Gage Heights Read daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1309.2	607		0	1309.7	620		0	1308.3	585		1.0	1305.1	507		0	1
2	1309.3	610		0	1309.7	620		0	1307.5	565		0.9	1305.1	507		0	2
3	1309.3	610		0	1309.7	620		0	1306.7	546		0.9	1304.5	494		0.7	3
4	1309.3	610		0	1309.7	620		0	1306.0	529		0.8	1303.7	475		0.9	4
5	1309.3	610		0	1309.7	620		0	1305.5	517		0.6	1303.5	471		0.2	5
6	1309.4	612		0	1309.7	620		0	1305.4	515		0.1	1303.5	471		0	6
7	1309.4	612		0	1309.7	620		0	1305.4	515		0	1303.5	471		0	7
8	1309.4	612		0	1309.7	620		0	1305.4	515		0	1303.5	471		0	8
9	1309.4	612		0	1309.7	620		0	1305.4	515		0	1303.5	471		0	9
10	1309.4	612		0	1309.6	617		0	1305.4	515		0	1303.5	471		0	10
11	1309.5	615		0	1309.6	617		0	1305.4	515		0	1303.5	471		0	11
12	1309.5	615		0	1309.6	617		0	1305.4	515		0	1303.5	471		0	12
13	1309.5	615		0	1309.6	617		0	1305.3	512		0	1303.4	468		0	13
14	1309.5	615		0	1309.6	617		0	1305.3	512		0	1303.4	468		0	14
15	1309.5	615		0	1309.6	617		0	1305.3	512		0	1303.4	468		0	15
16	1309.5	615		0	1309.6	617		0	1305.3	512		0	1303.4	468		0	16
17	1309.5	615		0	1309.5	615		0	1305.3	512		0	1303.4	468		0	17
18	1309.6	617		0	1309.5	615		0	1305.3	512		0	1303.4	468		0	18
19	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	19
20	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	20
21	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	21
22	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	22
23	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	23
24	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	24
25	1309.6	617		0	1309.5	615		0	1305.2	510		0	1303.4	468		0	25
26	1309.6	617		0	1309.5	615		0	1305.1	507		0	1303.4	468		0	26
27	1309.7	620		0	1309.4	612		0	1305.1	507		0	1303.4	468		0	27
28	1309.7	620		0	1309.4	612		0	1305.1	507		0	1303.4	468		0	28
29	1309.7	620		0	1309.4	612		0	1305.1	507		0	1303.4	468		0	29
30	1309.7	620		0	1309.4	612		0	1305.1	507		0	1303.3	466		0	30
31					1309.1	605		0.5	1305.1	507		0					31
TOTAL			1.4	0			0.6	0.5			0.4	4.3			0.3	1.8	
Inf. Ac. Ft.			2.8				1.2				0.8				0.6	3.6.2.3	
Outf. Ac. Ft.			0 + (1.4)				1.0 + (1.8)				8.5 + (2.0)				3.6 + (1.2)		360.6+(13.0)
Maximum Mean Daily Inflow			+				+				+				+		22.8
Minimum Mean Daily Inflow			+				+				0				0		0
Storage Change		+1.3				−1.5				−9.8				−4.1			−11.6

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1311.2	feet	on 12/26/46	Storage	65.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1267.7	feet	on 10/18/46	Storage	1.6	Acre Feet	R. E. WADDICOR	Dam Tender	Gage Hts. copied	JHL APK 10/29/47
Max. Peak Inf.	77.4	C.F.S. from	11:00 A.M. on 11/20/46	to	12:00 NOON	on 11/20/46	T. E. MOON	Hydrographer	Storage applied	JHL APK 10/29/47
Max. Peak Outf.	26.2	C.F.S. from	1:30 A.M. on 12/26/46	to	3:30 A.M.	on 12/26/46		Hydrographer	Inf. & Outf. comp.	JHL APK 11/7/47

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

SAN GABRIEL NO. 2

F. C. Dist. Form 68A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In/On San Gabriel - West Fork for the Year Ending September 30, 1946.

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10536 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of January, 1945 Survey Gage Heights Read daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2289.2	1709.3	1.6	6.3	2284.5	1497.0	4.1	6.1	2255.6	532.6	4.4	2.3	2266.2	825.3	17.4	1.7	1
2	2289.0	1699.9	1.5	6.3	2284.4	1492.6	4.0	6.1	2255.7	535.1	4.4	2.3	2267.2	856.8	17.7	1.7	2
3	2288.8	1690.6	1.4	6.1	2282.8	1424.0	3.8	38.0	2255.9	540.0	4.4	2.3	2268.1	885.5	16.4	1.8	3
4	2288.5	1676.8	1.3	6.1	2273.6	1070.0	20.7	199.0	2256.0	542.4	4.4	2.3	2268.9	911.5	15.0	1.8	4
5	2288.3	1667.5	1.3	6.1	2264.8	782.2	28.0	173.0	2256.2	547.4	4.4	2.3	2269.7	937.7	15.2	1.8	5
6	2288.2	1662.9	4.2	6.3	2260.4	656.4	7.7	71.0	2256.3	549.9	4.3	2.2	2270.3	957.5	14.5	1.8	6
7	2288.1	1658.2	4.0	6.3	2257.6	582.7	12.9	50.0	2256.5	554.9	4.3	2.2	2271.0	980.8	13.7	1.9	7
8	2288.0	1653.6	3.3	6.3	2257.7	585.2	4.9	3.5	2256.6	557.4	4.3	2.2	2268.2	888.8	13.1	60.0	8
9	2287.8	1644.5	3.1	6.3	2257.8	587.8	4.9	3.5	2256.8	562.4	4.3	2.2	2262.6	717.5	12.3	100.0	9
10	2287.6	1635.4	2.9	6.5	2256.1	544.9	4.2	24.0	2257.0	567.4	4.3	2.2	2256.5	554.9	11.7	94.0	10
11	2287.4	1626.2	2.7	6.5	2253.9	492.1	4.1	29.0	2257.1	570.0	4.1	2.2	2250.7	421.5	11.8	79.0	11
12	2287.2	1617.1	2.5	6.5	2252.7	464.9	4.0	18.2	2257.3	575.0	4.1	2.2	2251.6	440.8	11.5	1.6	12
13	2287.1	1612.6	2.3	6.5	2252.8	467.2	3.8	2.2	2257.4	577.6	4.1	2.2	2252.5	460.5	11.6	1.5	13
14	2286.9	1603.5	2.0	6.5	2253.0	471.6	3.8	2.2	2257.5	580.2	4.1	2.2	2253.3	478.4	10.5	1.4	14
15	2286.8	1599.0	4.4	6.5	2253.1	473.9	3.7	2.2	2257.7	585.2	4.1	2.2	2254.0	494.4	10.3	1.4	15
16	2286.6	1590.0	2.9	6.5	2253.2	476.2	3.7	2.2	2257.9	590.4	4.4	2.2	2254.7	510.9	10.2	1.4	16
17	2286.4	1581.0	2.8	6.5	2253.4	480.7	3.6	2.2	2258.0	592.9	4.4	2.2	2255.5	530.2	10.0	1.4	17
18	2286.2	1572.0	2.6	6.5	2253.6	485.3	3.6	2.2	2258.2	598.1	4.4	2.2	2256.1	544.9	9.8	1.5	18
19	2286.1	1567.5	2.5	6.5	2253.8	489.8	3.5	2.1	2258.3	600.7	4.4	2.2	2256.8	562.4	9.6	1.5	19
20	2285.9	1558.6	2.4	6.5	2253.9	492.1	3.5	2.1	2258.5	606.0	4.4	2.2	2257.4	577.6	9.4	1.5	20
21	2285.7	1549.7	2.6	6.5	2254.0	494.4	3.5	2.1	2274.1	1087.6	245.1	2.3	2258.0	592.9	9.3	1.4	21
22	2285.6	1545.3	2.8	6.5	2254.2	499.1	3.7	2.1	2283.2	1441.0	607.2	429.0	2258.6	608.6	9.1	1.4	22
23	2285.4	1536.5	3.0	6.5	2254.3	501.5	3.9	2.1	2284.9	1514.4	509.0	472.0	2259.1	621.6	8.9	1.4	23
24	2285.2	1527.6	3.2	6.3	2254.5	506.2	4.1	2.1	2267.3	860.0	124.2	454.0	2259.6	634.9	8.7	1.5	24
25	2285.0	1518.8	3.4	6.3	2254.6	508.6	4.2	2.1	2262.5	714.7	80.5	154.0	2260.2	650.9	8.5	1.5	25
26	2284.9	1514.4	3.6	6.3	2254.8	513.3	4.2	2.2	2261.8	694.9	45.1	55.0	2260.6	661.8	8.4	1.5	26
27	2284.7	1505.7	3.8	6.3	2255.0	518.0	4.2	2.2	2261.9	697.7	36.5	35.0	2261.1	675.5	8.2	1.6	27
28	2284.6	1501.4	4.1	6.3	2255.1	520.4	4.3	2.2	2261.6	689.4	29.8	34.0	2261.6	689.4	8.1	1.6	28
29	2284.6	1501.4	4.4	6.3	2255.2	522.9	4.3	2.3	2262.6	717.5	27.6	13.3	2262.1	703.3	8.0	1.6	29
30	2284.6	1501.4	6.5	6.5	2255.4	527.8	4.4	2.3	2264.0	758.2	22.5	1.8	2262.5	714.7	7.8	1.6	30
31	2284.6	1501.4	6.4	6.3					2265.2	794.4	20.1	1.7	2262.9	726.1	7.7	1.6	31
TOTAL			95.5	197.7			173.3	660.5			1833.6	1696.6			344.4	375.4	
Inf. Ac. Ft.		189.4				343.7				3636.9					683.1	4853.1	
Outf. Ac. Ft.		393.1 + (14.7)				1310.1 + (7.1)				3365.2 + (5.2				744.6 + (6.7)		5812.0+(33.7)	
Maximum Mean Daily Inflow		6.5				28.0				607.2					17.7	607.2	
Minimum Mean Daily Inflow		1.3				3.5				4.1					7.7	1.3	
Storage Change	-217.3				-973.6				+266.6				-68.3			-992.6	
																½ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.2	feet	on 3/31/46	Storage 1951.8	Acre Feet			
Min. W. S. Elev.	2202.6	feet	on VARIOUS TIMES	Storage 0	Acre Feet			
Max. Peak Inf.	2790	C.F.S. from 7:00 A.M.	on 3/30/46	to 8:00 A.M.	on 3/30/46			
Max. Peak Outf.	810	C.F.S. from 2:25 P.M.	on 3/30/46	to 2:30 P.M.	on 3/30/46			

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E. F. DE VORE	Dam Tender	Gage Hts. copied	GHM JHL	7/30/47
G. H. MIDDLETON	Hydrographer	Storage applied	GHM JHL	"
H. D. WENTZ	Hydrographer	Inf. & Outf. comp.	GHM JHL	"

REMARKS
{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES TOTAL LOSS DUE TO EVAPORATION
OUTFLOWS AS PER STATION 209 USED 1½% OF COMPUTED INFLOW FOR SIDE CANYON FLOW DURING STORMS 12/21/45 TO 12/26/45

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In/On San Gabriel - West Fork for the Year Ending September 30, 1946.

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10536 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of January, 1945 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	2263.3	737.7	7.6	1.6	2265.0	788.2	8.8	1.6	2268.9	911.5	258.7	500.0			21.0	21.0	1
2	2263.7	749.4	7.6	1.6	2265.4	800.5	8.6	1.6	2268.6	901.7	154.2	159.0			20.0	20.0	2
3	2267.5	866.4	60.9	1.9	2265.9	815.9	8.4	1.6	2274.6	1105.3	107.1	4.4			19.1	19.1	3
4	2269.3	924.5	31.3	1.9	2266.3	828.4	8.2	1.6	2279.2	1276.9	91.3	4.7			16.8	16.8	4
5	2267.1	853.6	16.4	52.0	2266.6	837.8	8.0	1.6	2283.0	1432.4	83.5	5.0			16.1	16.1	5
6	2261.5	686.6	18.9	103.0	2267.0	850.4	7.8	1.6	2270.0	947.5	89.6	334.0			15.4	15.4	6
7	2255.4	527.8	17.0	97.0	2267.4	863.2	7.6	1.6	2241.4	241.2	62.0	418.0			14.8	14.8	7
8	2250.0	406.8	14.1	75.0	2267.8	875.9	7.4	1.6	2219.0	7.2	37.1	155.0			14.5	14.5	8
9	2251.2	432.1	14.2	1.5	2268.1	885.5	7.2	1.6	2214.4	0	66.4	70.0			14.2	14.2	9
10	2252.3	456.1	13.7	1.5	2268.5	898.5	7.0	1.6			71.0	71.0			14.5	14.5	10
11	2253.3	478.4	12.8	1.5	2268.8	908.2	6.9	1.7			67.0	67.0			14.8	14.8	11
12	2254.2	499.1	12.0	1.5	2269.1	918.0	6.8	1.7			63.0	63.0			14.3	14.3	12
13	2255.1	520.4	12.4	1.5	2269.7	937.7	11.8	1.8			62.0	62.0	Reservoir Dry	No Storage	13.5	13.5	13
14	2255.9	540.0	11.5	1.5	2270.1	950.8	8.4	1.7			62.0	62.0			13.5	13.5	14
15	2256.7	559.9	11.6	1.5	2270.4	960.8	7.9	1.7			63.0	63.0			13.5	13.5	15
16	2257.5	580.2	11.4	1.5	2270.8	974.1	7.4	1.7			57.0	57.0			13.1	13.1	16
17	2258.2	598.1	11.1	1.5	2271.1	984.2	7.0	1.8			57.0	57.0			12.7	12.7	17
18	2258.9	616.4	10.8	1.5	2252.0	449.4	23.0	279.0			55.0	55.0			11.8	11.8	18
19	2259.6	634.9	10.5	1.5	2249.6	398.6	22.0	70.0			54.0	54.0			12.2	12.2	19
20	2260.2	650.9	10.1	1.5	2245.5	316.9	21.0	71.0			50.0	50.0			12.2	12.2	20
21	2260.8	667.3	9.9	1.5	2248.0	366.0	20.1	1.4	Reservoir Dry	No Storage	41.0	41.0			12.2	12.2	21
22	2261.4	683.8	9.9	1.5	2250.0	406.8	20.0	1.3			32.0	32.0			11.0	11.0	22
23	2261.9	697.7	9.8	1.5	2242.2	255.4	19.0	86.0			32.0	32.0			10.2	10.2	23
24	2262.5	714.7	9.7	1.5	2226.1	42.2	18.0	104.0			30.0	30.0			10.6	10.6	24
25	2263.0	728.9	9.6	1.6	2220.0	0	17.0	43.0			26.0	26.0			10.2	10.2	25
26	2263.6	746.5	9.4	1.6	2219.5	0	16.0	16.0			24.0	24.0			10.6	10.6	26
27	2264.1	761.2	9.2	1.6	2219.6	0	19.0	19.0			23.0	23.0			10.6	10.6	27
28	2264.6	776.2	9.0	1.6	2219.9	0	22.0	22.0			23.0	23.0			10.2	10.2	28
29					2224.1	28.7	44.5	30.0			22.0	22.0			9.4	9.4	29
30					2294.2	1951.8	1254.6	285.0			22.0	22.0			8.7	8.7	30
31					2282.0	1390.3	313.9	597.0							7.9	7.9	31
TOTAL			392.4	364.4			1965.3	1652.8			1885.9	2586.1			409.6	409.6	
Inf. Ac. Ft.		778.3				3898.1				3740.6					812.4	14082.5	
Outf. Ac. Ft.		722.8 + (5.4)				3278.3 + (5.8)				5129.5 + (1.4)					812.4	15755.+(46.3)	
Maximum Mean Daily Inflow		60.9				1254.6				258.7					21.0	1254.6	
Minimum Mean Daily Inflow		7.6				6.8				22.0					7.9	1.3	
Storage Change	+50.1				+614.1				-1390.3				0			-1718.7	
																½ Year	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.2	feet	on 3/31/46	Storage 1951.8	Acre Feet			
Min. W. S. Elev.	2202.6	feet	on VARIOUS TIMES	Storage 0	Acre Feet			
Max. Peak Inf.	2790	C.F.S. from 7:00 A.M.	on 3/30/46	to 8:00 A.M.	on 3/30/46			
Max. Peak Outf.	810	C.F.S. from 2:25 P.M.	on 3/30/46	to 2:30 P.M.	on 3/30/46			

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E. K. DE VORE	Dam Tender	Gage Hts. copied	GHM JHL	7/30/47
G. H. MIDDLETON	Hydrographer	Storage applied	GHM JHL	"
H. D. WENTZ	Hydrographer	Inf. & Outf. comp.	GHM JHL	"

REMARKS OUTFLOW AS PER STATION 209 USED STATION 251 FOR 2-3, 4,-46 USED 1½% OF COMPUTED INFLOW FOR SIDE CANYON FLOW DURING STORM 3-30/31-46
{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES TOTAL LOSS DUE TO EVAPORATION * BANK STORAGE

F. C. Dist. Form 84C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In San Gabriel - West Fork for the Year Ending September 30, 1946

On

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10536 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of January 1945 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	2202.6		7.5	7.5	2202.6		3.8	3.8	2202.6		1.3	1.3	2202.6		0.9	0.9	1
2			7.5	7.5			3.2	3.2			1.3	1.3			0.9	0.9	2
3			7.2	7.2			3.2	3.2			1.3	1.3			1.0	1.0	3
4			7.5	7.5			3.0	3.0			1.3	1.3			1.0	1.0	4
5			7.2	7.2			3.0	3.0			1.3	1.3			1.0	1.0	5
6			7.2	7.2			3.0	3.0			1.3	1.3			1.0	1.0	6
7			7.2	7.2			3.0	3.0			1.3	1.3			1.0	1.0	7
8			7.2	7.2			2.8	2.8			1.3	1.3			1.0	1.0	8
9			6.8	6.8			2.8	2.8			1.3	1.3			1.0	1.0	9
10			6.8	6.8			2.8	2.8			1.3	1.3	2202.6	0	1.0	1.0	10
11			6.4	6.4			2.8	2.8			1.3	1.3	2203.4	0.5	1.1	1.0	11
12			6.4	6.4			2.8	2.8			1.3	1.3	2204.2	0.7	1.0	0.8	12
13	Reservoir Dry		6.1	6.1	Reservoir Dry		2.6	2.6	Reservoir Dry		1.3	1.3	2204.8	1.1	1.0	0.8	13
14		No Storage	5.8	5.8		No Storage	2.6	2.6		No Storage	1.3	1.3	2205.3	1.4	1.0	0.8	14
15			5.4	5.4			2.6	2.6			1.2	1.2	2205.7	1.8	1.0	0.8	15
16			5.4	5.4			2.6	2.6			1.2	1.2	2206.0	2.0	1.0	0.8	16
17			5.4	5.4			2.6	2.6			1.2	1.2	2206.2	2.2	1.0	0.8	17
18			5.4	5.4			2.6	2.6			1.2	1.2	2206.5	2.6	1.0	0.8	18
19			5.0	5.0			2.8	2.8			1.2	1.2	2206.8	3.0	1.0	0.8	19
20			4.7	4.7			2.8	2.8			1.2	1.2	2207.2	3.5	0.9	0.8	20
21			4.4	4.4			2.6	2.6			1.1	1.1	2207.4	3.8	0.9	0.8	21
22			4.4	4.4			2.4	2.4			1.0	1.0	2207.6	4.2	0.9	0.8	22
23			4.4	4.4			2.2	2.2			1.0	1.0	2207.7	4.3	0.9	0.8	23
24			4.7	4.7			2.0	2.0			1.0	1.0	2207.8	4.5	0.9	0.8	24
25			4.7	4.7			1.9	1.9			0.9	0.9	2207.9	4.6	0.9	0.8	25
26			4.4	4.4			1.8	1.8			0.8	0.8	2208.1	5.0	1.0	0.8	26
27			4.4	4.4			1.8	1.8			0.8	0.8	2208.2	5.2	0.9	0.8	27
28			4.4	4.4			1.7	1.7			1.1	1.1	2208.3	5.4	0.9	0.8	28
29			4.4	4.4			1.7	1.7			1.1	1.1	2208.4	5.6	1.0	0.9	29
30			4.0	4.0			1.7	1.7			1.0	1.0	2208.8	6.3	1.5	1.1	30
31							1.5	1.5			1.0	1.0					31
TOTAL			172.3	172.3			78.7	78.7			36.2	36.2			29.8	26.4	
Inf. Ac. Ft.			342.0				156.0				71.8				58.7	147.10	
Outf. Ac. Ft.				342.0				156.0				71.8			52.4	16377.2 (46.3)	
Maximum Mean Daily Inflow			7.5				3.8				1.3				1.5	1.2546	
Minimum Mean Daily Inflow			4.0				1.5				0.8				0.9	0.8	
Storage Change		0				0				0				+63		-1712.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	2294.2	feet on 3/31/46	Storage 1951.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2202.6	feet on VARIOUS TIMES	Storage 0	Acre Feet	E. K. DE VORE	Dam Tender	Gage Hts. copied	GHM	JHL 7/30/47
Max. Peak Inf.	2790	C.F.S. from 7:00 A.M. on 3/30/46	to 8:00 A.M. on	3/30/46	G. H. MIDDLETON	Hydrographer	Storage applied	GHM	JHL "
Max. Peak Outf.	810	C.F.S. from 2:25 P.M. on 3/30/46	to 2:30 P.M. on	3/30/46	H. D. WENTZ	Hydrographer	Inf. & Outf. comp.	GHM	JHL "

REMARKS

{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

( ) INDICATES TOTAL LOSS DUE TO EVAPORATION

F. C. Dist. Form 84A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In San Gabriel - West Fork for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10597. Ac. Ft. at Spillway Elev. 2385.0 Ft. as of September 1946 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	2212.2	14.4	7.0	2.9	2212.1	14.2	2.4	2.4	2280.1	13475	40.1	40.0	2255.3	5725	114.9	110.0	1
2	2212.1	14.2	3.7	3.8	2212.1	14.2	2.4	2.4	2280.1	13475	39.1	39.0	2254.4	5510	99.3	110.0	2
3	2212.2	14.4	4.7	4.6	2212.1	14.2	2.6	2.6	2280.1	13475	39.0	39.0	2252.4	5052	85.0	108.0	3
4	2212.1	14.2	4.3	4.4	2212.1	14.2	2.4	2.4	2280.1	13475	36.0	36.0	2249.8	4489	75.7	104.0	4
5	2212.3	14.7	3.2	3.0	2212.1	14.2	2.2	2.2	2279.4	13202	32.3	46.0	2233.4	1629	67.8	212.0	5
6	2212.3	14.7	2.6	2.6	2212.1	14.2	2.2	2.2	2278.6	12895	42.6	58.0	2202.0	0	66.9	149.0	6
7	2212.1	14.2	2.0	2.2	2212.1	14.2	2.2	2.2	2277.6	12522	37.1	56.0			72.0	72.0	7
8	2212.1	14.2	2.4	2.4	2212.2	14.4	2.5	2.4	2276.5	12119	34.7	55.0			70.0	70.0	8
9	2212.1	14.2	2.2	2.2	2212.2	14.4	1.9	1.9	2276.0	11939	31.1	40.0			68.0	68.0	9
10	2212.1	14.2	1.9	1.9	2212.2	14.4	1.9	1.9	2276.0	11939	30.1	30.0			58.0	58.0	10
11	2212.1	14.2	1.8	1.8	2212.3	14.7	3.6	3.4	2276.0	11939	28.1	28.0			56.0	56.0	11
12	2212.1	14.2	1.7	1.7	2240.9	279.0	140.7	7.5	2275.9	11904	25.3	27.0			54.0	54.0	12
13	2212.1	14.2	1.7	1.7	2287.4	1655.4	722.6	28.7	2275.8	11868	25.3	27.0			52.0	52.0	13
14	2212.1	14.2	1.7	1.7	2290.9	1816.1	123.9	42.8	2275.7	11833	24.3	26.0			50.0	50.0	14
15	2212.1	14.2	1.7	1.7	2291.8	1859.0	66.7	45.0	2275.6	11798	22.4	24.0			46.0	46.0	15
16	2212.1	14.2	2.8	2.8	2292.0	1868.6	45.8	41.0	2275.5	11762	21.2	23.0			42.0	42.0	16
17	2212.1	14.2	2.6	2.6	2292.2	1878.3	43.0	38.0	2275.4	11727	20.4	22.0			40.0	40.0	17
18	2212.1	14.2	2.4	2.4	2292.2	1878.3	34.1	34.0	2275.2	11656	18.5	22.0			38.0	38.0	18
19	2212.1	14.2	2.2	2.2	2292.2	1878.3	31.0	31.0	2275.0	11585	17.5	21.0			37.0	37.0	19
20	2212.1	14.2	2.0	2.0	2306.5	2657.4	431.4	38.6	2275.3	11691	18.5	13.0			36.0	36.0	20
21	2212.1	14.2	2.0	2.0	2309.3	2828.3	160.7	74.4	2275.9	11904	18.3	7.5			34.0	34.0	21
22	2212.1	14.2	2.0	2.0	2305.8	2615.4	109.5	216.9	2276.5	12119	18.3	7.5			33.0	33.0	22
23	2212.1	14.2	2.0	2.0	2302.0	2393.8	317.1	428.8	2277.0	12299	16.7	7.5			32.0	32.0	23
24	2212.1	14.2	2.0	2.0	2293.8	1956.7	190.7	411.1	2278.2	12744	30.3	7.9			31.0	31.0	24
25	2212.1	14.2	2.0	2.0	2283.8	1498.9	122.2	352.8	2293.0	19172	610.9	286.8			30.0	30.0	25
26	2212.1	14.2	2.0	2.0	2277.6	1252.0	97.7	222.0	2290.0	17833	1032.5	1100.0			29.0	29.0	26
27	2212.2	14.4	2.7	2.6	2278.4	1281.9	71.1	56.0	2282.0	14239	549.3	730.5			34.0	34.0	27
28	2212.2	14.4	3.0	3.0	2279.0	1304.6	58.6	47.0	2272.2	10625	325.5	507.7			51.0	51.0	28
29	2212.2	14.4	2.8	2.8	2279.6	1327.9	54.8	43.0	2255.3	5725	226.8	473.8			35.0	35.0	29
30	2212.1	14.2	2.5	2.6	2280.1	1347.5	52.0	42.0	2252.5	5074	163.5	196.3			29.0	29.0	30
31	2212.1	14.2	2.4	2.4					2254.9	5628	137.7	109.6			29.0	29.0	31
TOTAL			80.0	76.0			2899.9	2226.6			3713.4	4107.1			1595.6	1879.0	
Inf. Ac. Ft.			158.7				5751.9				7365.4				3164.8	16440.8	
Outf. Ac. Ft.			150.7	(0)			4416.4 + (22				8146.3 + (38			3726.9 + (0.6)		16440.3+(6.6)	
Maximum Mean Daily Inflow			7.0				722.6				1032.5				114.9	1032.5	
Minimum Mean Daily Inflow			1.7				1.9				16.7				29.0	1.7	
Storage Change		+79				+ 1333.3				-784.7				-562.8		-63	

NOTE: Gage Heights and Storages as of Midnight on Day Shown.

½ Year

Max. W. S. Elev.	2309.7	feet on 11/22/46	Storage 2853.1	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2202 +	feet on 1/6/47-9/30/47	Storage 0	Acre Feet	E. KENYON DE VORE	Dam Tender	Gage Hts. copied	GHM	JHL
Max. Peak Inf.	2290	C.F.S. from 11:00 P.M. on 12/25/46	to 12:00 M	on 12/25/46	H. D. WENTZ	Hydrographer	Storage applied	GHM	JHL
Max. Peak Outf.	1300	C.F.S. from 10:30 A.M. on 1/6/47	to 10:35 A.M.	on 1/6/47	G. H. MIDDLETON	Hydrographer	Inf. & Outf. comp.	GHM	JHL 12/18/47

REMARKS OUTFLOW AS PER STATION F 209-R LESS 1.0% FOR SIDE CANYONS ON DAYS INFLOW EXCEEDS 100 CFS

( ) INDICATES EVAPORATION LOSS

SAN GABRIEL NO. 2 (cont'd)

F. C. Dist. Form 680 Revised 560 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10597 Ac. Ft. at Spillway Elev. 2385 Ft. as of September 1946 Survey Gage Heights Read daily

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C.F.S. Inflow	FEBRUARY C.F.S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C.F.S. Inflow	MARCH C.F.S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C.F.S. Inflow	APRIL C.F.S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C.F.S. Inflow	MAY C.F.S. Outflow	Day
1	2202.0		29.0	29.0	2202.0		17.0	17.0	2202.0		15.0	15.0	2202.0		8.7	8.7	1
2			29.0	29.0			17.0	17.0			15.0	15.0			8.3	8.3	2
3			28.0	28.0			17.0	17.0			14.0	14.0			8.3	8.3	3
4			25.0	25.0			17.0	17.0			14.0	14.0			7.9	7.9	4
5			24.0	24.0			17.0	17.0			14.0	14.0			7.5	7.5	5
6			23.0	23.0			17.0	17.0			14.0	14.0			7.5	7.5	6
7			22.0	22.0			16.0	16.0			13.0	13.0			7.5	7.5	7
8			21.0	21.0			16.0	16.0			13.0	13.0			7.2	7.2	8
9			23.0	23.0			16.0	16.0			13.0	13.0			6.8	6.8	9
10			28.0	28.0			16.0	16.0			12.0	12.0			7.2	7.2	10
11			24.0	24.0			15.0	15.0			12.0	12.0			7.2	7.2	11
12			23.0	23.0			15.0	15.0			11.0	11.0			7.2	7.2	12
13			23.0	23.0			14.0	14.0			11.0	11.0			7.2	7.2	13
14			22.0	22.0			14.0	14.0			11.0	11.0			7.2	7.2	14
15			22.0	22.0			14.0	14.0			11.0	11.0			7.2	7.2	15
16			21.0	21.0			14.0	14.0			10.0	10.0			7.2	7.2	16
17			21.0	21.0			14.0	14.0			9.4	9.4			6.8	6.8	17
18			20.0	20.0			13.0	13.0			8.7	8.7			6.8	6.8	18
19			20.0	20.0			13.0	13.0			9.1	9.1			6.4	6.4	19
20			20.0	20.0			14.0	14.0			9.4	9.4			6.1	6.1	20
21			19.0	19.0			16.0	16.0			9.4	9.4			5.8	5.8	21
22			19.0	19.0			17.0	17.0			9.8	9.8			5.4	5.4	22
23			18.0	18.0			16.0	16.0			9.8	9.8			5.8	5.8	23
24			18.0	18.0			16.0	16.0			9.8	9.8			5.4	5.4	24
25			18.0	18.0			15.0	15.0			9.8	9.8			5.4	5.4	25
26			17.0	17.0			14.0	14.0			9.8	9.8			5.0	5.0	26
27			17.0	17.0			14.0	14.0			10.0	10.0			5.8	5.8	27
28			17.0	17.0			19.0	19.0			10.0	10.0			5.4	5.4	28
29							20.0	20.0			10.0	10.0			5.0	5.0	29
30							19.0	19.0			9.4	9.4			4.7	4.7	30
31							17.0	17.0							5.0	5.0	31
TOTAL			611.0	611.0			489.0	489.0			337.4	337.4			204.9	204.9	
Inf. Ac. Ft.			1211.9				969.9				669.2				406.4	1969.8.2	
Outf. Ac. Ft.				1211.9				969.9				669.2			406.4	19697.7+(6.6)	
Maximum Mean Daily Inflow			29.0				20.0				15.0				8.7	10325	
Minimum Mean Daily Inflow			17.0				13.0				8.7				4.7	1.7	
Storage Change		0				0				0				0		-63	
																% Year	

Reservoir Dry — No Storage

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2309.7	feet on 11/22/46	Storage	2853.1	Acre Feet			
Min. W. S. Elev.	2202 ±	feet on 1/6/47-9/30/47	Storage	0	Acre Feet			
Max. Peak Inf.	2290	C. F. S. from 11:00 P.M. on 12/25/46	to	12:00 M	on	12/25/46		
Max. Peak Outf.	1300	C. F. S. from 10:30 A.M. on 1/6/47	to	10:35 A.M.	on	1/6/47		
REMARKS	OUTFLOWS BASED ON STATION F209-R							
	( ) INDICATES EVAPORATION LOSS							

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E. KENYON DE VORE	Dam Tender	Gage Hts. copied	GHM JHL	12/18/47
H. D. WENTZ	Hydrographer	Storage applied	GHM JHL	"
G. H. MIDDLETON	Hydrographer	Inf. & Outf. comp.	GHM JHL	"

F. C. Dist. Form 680 Revised 560 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam #2

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10597 Ac. Ft. at Spillway Elev. 2385 Ft. as of September 1946 Survey Gage Heights Read daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	2202.0		5.4	5.4	*		2.4	2.4			1.1	1.1			0.9	0.9	1
2			5.4	5.4			2.0	2.0			1.1	1.1			0.9	0.9	2
3			5.4	5.4			1.8	1.8			1.2	1.2			0.9	0.9	3
4			5.4	5.4			1.8	1.8			1.2	1.2			0.9	0.9	4
5			5.0	5.0			1.8	1.8			1.1	1.1			0.9	0.9	5
6			5.0	5.0			1.8	1.8			1.1	1.1			0.9	0.9	6
7			5.0	5.0			1.8	1.8			1.1	1.1			0.9	0.9	7
8			5.0	5.0			1.8	1.8			1.1	1.1			0.9	0.9	8
9			5.0	5.0			1.7	1.7			1.1	1.1			1.0	1.0	9
10			4.7	4.7			1.7	1.7			1.1	1.1			0.9	0.9	10
11			4.4	4.4			1.7	1.7			1.1	1.1			0.9	0.9	11
12			4.4	4.4			1.7	1.7			1.1	1.1			0.8	0.8	12
13			4.4	4.4			1.7	1.7			1.1	1.1			1.0	1.0	13
14			4.0	4.0			1.7	1.7			1.1	1.1			0.9	0.9	14
15			3.8	3.8			1.7	1.7			1.0	1.0			0.9	0.9	15
16			3.2	3.2			1.6	1.6			1.0	1.0			0.9	0.9	16
17			3.2	3.2			1.5	1.5			1.0	1.0			0.9	0.9	17
18			3.4	3.4			1.4	1.4			1.0	1.0			1.0	1.0	18
19			3.0	3.0			1.3	1.3			1.0	1.0			0.9	0.9	19
20			3.4	3.4			1.2	1.2			1.0	1.0			0.9	0.9	20
21			3.4	3.4			1.2	1.2			0.9	0.9			0.8	0.8	21
22			3.6	3.6			1.2	1.2			0.9	0.9			0.8	0.8	22
23			3.2	3.2			1.2	1.2			0.8	0.8			0.7	0.7	23
24			3.0	3.0			1.2	1.2			0.8	0.8			0.7	0.7	24
25			2.8	2.8			1.2	1.2			0.8	0.8			0.7	0.7	25
26			2.8	2.8			1.1	1.1			0.8	0.8			0.6	0.6	26
27			2.8	2.8			1.1	1.1			0.8	0.8			0.1	0.1	27
28			2.8	2.8			1.1	1.1			0.9	0.9			0.1	0.1	28
29			2.8	2.8			1.1	1.1			0.9	0.9			0.9	0.9	29
30			2.6	2.6			1.1	1.1			0.9	0.9			0.8	0.8	30
31							1.1	1.1			0.9	0.9					31
TOTAL			118.3	118.3			46.7	46.7			31.0	31.0			24.4	24.4	
Inf. Ac. Ft.			234.6				92.6				61.5				48.4	20135.3	
Outf. Ac. Ft.				234.6				92.6				61.5			48.4	20134.8+(6.6)	
Maximum Mean Daily Inflow			5.4				2.4				1.2				1.0	1032.5	
Minimum Mean Daily Inflow			2.6				1.1				0.8				0.1	0.1	
Storage Change		0				0				0				0		-63	
																Yearly Totals	

Reservoir Dry — No Storage

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2309.7	feet on 11/22/46	Storage	2853.1	Acre Feet			
Min. W. S. Elev.	2202 ±	feet on 1/6/47-9/30/47	Storage	0	Acre Feet			
Max. Peak Inf.	2290	C. F. S. from 11:00 P.M. on 12/25/46	to	12:00 M	on	12/25/46		
Max. Peak Outf.	1300	C. F. S. from 10:30 A.M. on 1/6/47	to	10:35 A.M.	on	1/6/47		
REMARKS	OUTFLOWS AS PER STATION F209-R							
	( ) INDICATES EVAPORATION LOSS							
	* RESERVOIR EXCAVATED TO ELEV. 2146.5 FOR NEW CONCRETE FACING							

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E. KENYON DE VORE	Dam Tender	Gage Hts. copied	GHM JHL	12/18/47
H. D. WENTZ	Hydrographer	Storage applied	GHM JHL	"
G. H. MIDDLETON	Hydrographer	Inf. & Outf. comp.	GHM JHL	"

SAN GABRIEL NO. 1

F. C. Dist. Form 66A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In On San Gabriel Canyon for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 1945 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1282.85	3260	34.0	36.0	1283.75	3485	49.6	37.8	1294.50	7996	39.4	37.8	1362.40	10278	171.2	88.6	1
2	1283.30	3370	35.0	29.1	1284.25	3615	45.1	38.4	1294.55	8022	39.4	37.8	1363.00	10418	159.7	88.6	2
3	1284.00	3540	35.0	26.3	1285.60	4057	46.3	23.6	1294.55	8022	38.1	37.8	1357.35	9135	175.8	82.2	3
4	1284.40	3640	35.0	29.8	1290.20	6233	204.7	94.8	1294.60	8048	39.2	37.8	1353.30	8263	159.4	59.9	4
5	1284.40	3640	35.0	34.8	1295.50	8903	233.9	99.0	1294.60	8048	37.9	37.8	1349.20	7422	143.9	56.7	5
6	1283.35	3870	49.0	37.2	1295.10	8778	86.3	92.5	1294.60	8048	38.2	38.0	1345.10	6664	132.1	56.3	6
7	1286.50	4190	58.0	41.8	1292.95	7548	111.7	173.4	1294.60	8048	37.7	37.5	1342.60	6228	156.5	375.7	7
8	1286.25	4120	51.0	54.4	1295.05	8415	44.5	0.5	1294.70	8100	39.8	37.0	1339.75	5744	171.2	414.0	8
9	1285.85	4020	46.0	51.0	1292.45	7209	42.2	102.7	1294.70	8100	37.3	37.0	1338.35	5512	224.3	340.5	9
10	1285.70	3980	44.0	45.9	1292.50	7290	54.5	50.2	1294.75	8126	38.4	37.0	1336.85	5269	211.4	333.2	10
11	1285.55	3940	44.0	45.9	1292.30	7310	69.0	67.7	1294.80	8152	38.5	37.0	1334.70	4930	204.4	374.1	11
12	1285.40	3900	43.0	44.9	1292.50	7475	66.1	57.5	1294.85	8178	38.5	37.0	1335.20	5007	125.3	85.4	12
13	1285.50	3930	43.0	41.4	1293.80	8034	43.2	14.7	1294.90	8204	38.5	37.0	1335.60	5070	118.4	85.4	13
14	1285.65	3960	43.0	41.4	1293.85	8050	41.5	40.5	1294.90	8204	37.8	37.7	1335.80	5102	102.1	85.4	14
15	1285.70	3980	43.0	41.9	1293.85	8050	39.7	39.6	1294.75	8152	37.5	39.9	1336.00	5133	101.6	85.4	15
16	1284.45	3660	43.0	59.0	1293.90	8066	41.0	40.0	1294.65	8100	37.5	39.9	1336.20	5165	102.2	85.4	16
17	1283.50	3420	42.0	54.0	1293.95	8086	40.7	39.5	1294.50	7996	34.9	39.9	1336.30	5180	93.5	85.4	17
18	1282.95	3290	40.0	46.5	1293.95	8086	40.3	40.0	1294.40	7944	37.4	39.9	1336.45	5205	98.3	85.4	18
19	1282.55	3190	40.0	44.9	1293.95	8086	39.8	39.5	1294.25	7866	36.7	40.4	1336.50	5213	92.5	88.1	19
20	1282.45	3160	41.0	42.2	1293.95	8086	38.6	38.3	1294.20	7840	39.1	40.4	1336.55	5221	94.6	90.2	20
21	1282.65	3210	41.0	38.6	1294.05	8137	39.9	37.0	1314.80	2358	866.8	73.2	1336.55	5221	89.9	89.1	21
22	1282.75	3240	40.0	38.4	1294.10	8163	38.7	37.0	1349.90	7560	2984.2	361.6	1336.60	5229	92.3	87.7	22
23	1282.70	3230	40.0	40.3	1294.20	8213	39.9	37.0	1364.70	10822	2522.2	877.6	1336.60	5229	88.3	87.6	23
24	1282.70	3230	39.0	38.7	1294.25	8238	38.5	37.0	1366.20	11186	1081.6	898.1	1336.60	5229	88.1	87.6	24
25	1282.60	3200	39.0	40.3	1294.30	8264	38.5	37.0	1363.65	10572	611.0	920.3	1336.60	5229	88.1	87.6	25
26	1282.50	3180	39.0	39.8	1294.35	8288	38.5	37.0	1358.46	9480	448.7	999.0	1336.60	5229	88.3	87.6	26
27	1282.45	3160	39.0	39.9	1294.35	8288	37.3	37.0	1357.05	9071	271.0	477.1	1336.55	5221	84.5	87.6	27
28	1282.40	3150	39.0	39.4	1294.40	8312	38.4	37.0	1358.70	9436	274.3	90.0	1331.05	4382	82.9	50.5	28
29	1282.50	3180	47.0	45.5	1294.45	8336	38.3	37.0	1360.00	9728	238.4	90.6	1318.50	2759	79.5	89.3	29
30	1282.60	3200	85.0	84.0	1294.45	7969	37.1	37.0	1360.95	9943	198.9	89.5	1313.20	2196	77.1	36.4	30
31	1282.80	3250	60.0	57.4					1361.70	10116	176.6	88.6	1313.20	2196	89.1	88.7	31
TOTAL			1352	1674.7			1763.8	1500.2			10435.5	5730.2			3836.5	7809.3	
Inf. Ac. Ft.			2681.7				3498.4				20698.5				7609.6	34488.2	
Outf. Ac. Ft.			3321.7	+ (7.9)			2975.6	+ 14.3			11365.7	+ (13.7)		15489.5	+ 40.1	33152.5+(76.0)	
Maximum Mean Daily Inflow			85.0				233.9				2984.2				224.3	2984.2	
Minimum Mean Daily Inflow			34.0				37.1				34.9				77.1	34.0	
Storage Change		-6480				+5086				+93191				-7920		+12230	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev.	1423.85	feet	on 6.6.46	Storage	30,395.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	** 1278.0	feet	on 10/18/45	Storage	336.1	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	WEC
Max. Peak Inf.	5760	C.F.S. from 11:00 P.M.	on 12/21/45	to	12:00 M	on 12/21/45	GEORGE H. MIDDLETON	Hydrographer	Storage applied	WEC
Max. Peak Outf.	9200	C.F.S. from AT 8:15 A.M.	on 4/4/46	to		on		Hydrographer	Inf. & Outf. comp.	WEC

REMARKS * CORRECTED FOR 36.7 A.F. CAPACITY LOST DUE TO DEBRIS. ** RESERVOIR W.S. ELEV., COMBINED RESERVOIR AND SUMP STORAGE.
( ) INDICATES TOTAL MONTHLY EVAPORATION LOSS.

F. C. Dist. Form 66A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In On San Gabriel Canyon for the Year Ending September 30, 1946

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 1945 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1313.15	2191	86.8	88.8	1319.95	2926	71.2	65.0	1381.45	15244	1013.9	0.5	1415.70	27049	212.3	90.6	1
2	1313.05	2181	83.7	88.7	1320.00	2932	68.8	65.2	1385.90	16566	668.1	0.5	1416.20	27248	193.3	90.6	2
3	1316.10	2495	247.0	88.7	1320.10	2944	72.9	66.0	1388.45	17356	400.2	0.5	1416.70	27449	193.7	90.6	3
4	1317.05	2598	140.9	88.7	1320.15	2950	68.6	65.0	1385.00	16293	418.2	953.1	1417.20	27650	194.3	90.6	4
5	1317.25	2620	133.7	122.3	1320.25	2962	71.5	65.0	1383.25	15770	363.2	625.5	1417.60	27811	174.8	90.6	5
6	1318.30	2736	197.9	139.1	1320.35	2973	70.9	65.0	1382.65	15594	631.3	719.1	1418.00	28013	189.4	90.6	6
7	1319.15	2834	188.8	139.1	1320.35	2973	65.6	65.0	1382.70	15608	788.3	780.5	1418.40	28135	161.3	91.3	7
8	1320.30	2967	181.1	113.6	1320.40	2979	68.7	65.0	1383.00	15696	497.0	451.5	1418.70	28257	154.3	90.6	8
9	1320.25	2962	98.7	100.8	1320.40	2979	65.8	65.0	1384.95	16278	360.5	65.8	1419.10	28420	173.9	90.2	9
10	1320.05	2938	89.0	100.8	1320.45	2985	68.4	65.0	1386.90	16873	353.0	50.7	1419.50	28584	174.0	90.2	10
11	1319.90	2920	92.1	100.8	1320.45	2985	65.6	65.0	1389.05	17544	355.1	14.8	1419.80	28706	153.1	90.2	11
12	1319.65	2892	87.1	100.8	1320.45	2985	65.4	65.0	1391.30	18263	364.1	0.2	1420.20	28871	175.5	90.2	12
13	1319.40	2862	82.5	97.2	1320.75	3021	83.1	65.0	1393.45	18965	355.2	0.2	1420.45	28974	143.4	90.2	13
14	1319.25	2845	81.9	90.0	1320.90	3038	74.1	65.0	1395.50	19645	343.9	0.2	1420.70	29077	143.8	90.2	14
15	1319.10	2828	81.6	90.0	1320.95	3044	68.5	65.0	1397.50	20320	342.0	0.2	1421.00	29201	154.5	90.2	15
16	1319.00	2816	84.2	90.0	1321.00	3050	68.6	65.0	1399.50	21008	348.6	0.2	1421.25	29305	144.5	90.2	16
17	1318.80	2793	78.8	90.0	1321.00	3050	65.5	65.0	1401.50	21711	356.5	0.2	1421.45	29388	133.8	90.2	17
18	1318.60	2770	78.8	90.0	1324.15	3442	263.3	65.0	1403.40	22390	343.8	0.2	1421.70	29492	144.0	90.2	18
19	1318.35	2742	76.3	90.0	1326.30	3725	208.5	65.6	1405.20	23043	330.3	0.2	1421.90	29575	133.1	90.2	19
20	1318.45	2754	80.0	73.7	1328.25	3989	181.2	48.1	1406.65	23576	317.6	46.9	1422.10	29659	133.4	90.2	20
21	1318.65	2776	77.2	65.9	1328.75	4058	85.0	50.1	1407.85	24023	298.9	70.3	1422.30	29743	134.5	90.2	21
22	1319.85	2799	77.7	65.6	1329.00	4092	83.2	65.6	1408.90	24416	271.9	70.3	1422.50	29826	134.3	90.2	22
23	1319.05	2826	79.6	65.6	1329.95	4226	133.6	65.6	1409.95	24814	273.4	70.5	1422.65	29889	123.8	90.2	23
24	1319.25	2845	75.5	65.6	1331.60	4463	185.4	65.6	1410.85	25157	257.4	82.3	1422.80	29952	124.0	90.2	24
25	1319.45	2866	76.5	65.6	1332.50	4596	126.8	59.0	1411.65	25464	247.2	90.6	1422.95	30015	124.0	90.2	25
26	1319.60	2886	77.2	66.8	1333.00	4670	95.7	57.5	1412.45	25773	248.4	90.6	1423.15	30099	134.3	90.2	26
27	1319.75	2903	75.7	66.9	1333.45	4738	95.1	60.3	1413.20	26064	239.8	91.3	1423.30	30163	124.0	90.2	27
28	1319.85	2915	72.3	65.8	1334.15	4844	113.7	60.3	1413.90	26338	232.3	92.0	1423.40	30205	114.0	90.2	28
29					1335.10	4992	135.0	60.3	1414.50	26574	211.5	90.8	1423.50	30248	115.2	90.2	29
30					1361.90	10162	2613.0	6.5	1415.10	26811	211.4	90.0	1423.60	30290	114.9	90.2	30
31					1374.25	13236	1550.5	0.5					1423.65	30311	104.1	90.2	31
TOTAL			2882.6	2510.9			7053.2	1836.2			11443	4549.7			4627.5	2800.1	
Inf. Ac. Ft.			5717.6				13989.8				22696.8				9178.5	86070.9	
Outf. Ac. Ft.			4980.3	+ (18.2)			3642.0	+ (26.8)			9024.2	+ (97.6)		5553.9	+ (124.6)	56352.9+(343.2)	
Maximum Mean Daily Inflow			247.0				2613.0				1013.9				212.3	2984.2	
Minimum Mean Daily Inflow			72.3				65.4				211.4				104.1	34.0	
Storage Change		+7190				+10321.0				+13575.0				+3500.0		+29338.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev.	1423.85	feet	on 6.6.46	Storage	30,395.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	** 1278.0	feet	on 10/18/45	Storage	336.1	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	WEC
Max. Peak Inf.	5760	C.F.S. from 11:00 P.M.	on 12/21/45	to	12:00 M	on 12/21/45	GEORGE H. MIDDLETON	Hydrographer	Storage applied	WEC
Max. Peak Outf.	9200	C.F.S. from AT 8:15 A.M.	on 4/4/46	to		on		Hydrographer	Inf. & Outf. comp.	WEC

REMARKS * CORRECTED FOR 36.7 A.F. CAPACITY LOST DUE TO DEBRIS. ** RESERVOIR W.S. ELEV., COMBINED RESERVOIR AND SUMP STORAGE.
( ) INDICATES TOTAL MONTHLY EVAPORATION LOSS.

SAN GABRIEL NO. 1 (cont'd)

F. C. Dist. Form 68C Revised 5/50 11/44

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In San Gabriel Canyon for the Year Ending September 30, 19 46

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 19 45 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1423.70	30332	1038	902	1421.60	29451	623	903	1415.70	27049	453	903	1406.85	23651	377	903	1
2	1423.75	30353	1038	902	1421.45	29388	620	903	1415.45	26950	450	903	1406.50	23522	293	903	2
3	1423.80	30374	1038	902	1421.30	29326	620	903	1415.20	26850	434	903	1406.20	23411	380	903	3
4	1423.85	30395	1053	902	1421.20	29264	724	903	1414.95	26751	447	903	1405.90	23300	380	903	4
5	1423.85	30395	944	902	1421.05	29222	624	903	1414.70	26653	450	903	1405.55	23172	297	903	5
6	1423.85	30395	943	902	1420.90	29160	626	903	1414.45	26554	438	903	1405.25	23062	385	903	6
7	1423.80	30374	831	902	1420.70	29077	525	903	1414.20	26456	442	903	1404.90	22934	296	903	7
8	1423.80	30374	935	902	1420.55	29015	630	903	1413.90	26338	342	903	1404.55	22807	297	903	8
9	1423.80	30374	935	902	1420.40	28953	629	903	1413.65	26240	440	903	1404.25	22698	395	903	9
10	1423.70	30332	915	1088	1420.20	28871	523	903	1413.40	26142	446	903	1403.30	22354	327	2014	10
11	1423.60	30290	1008	1180	1420.00	28788	529	903	1413.15	26045	463	903	1401.75	21800	537	3289	11
12	1423.45	30226	830	1110	1419.85	28727	634	903	1412.90	25947	446	903	1400.15	21235	516	3322	12
13	1423.40	30205	901	969	1419.65	28645	536	903	1412.60	25831	365	903	1397.80	20422	622	4682	13
14	1423.30	30163	800	969	1419.45	28563	539	903	1412.30	25715	355	903	1395.35	19595	522	4652	14
15	1423.20	30121	797	969	1419.30	28502	654	903	1412.05	25618	460	903	1390.65	18054	612	8352	15
16	1423.10	30078	795	969	1419.05	28399	433	903	1411.75	25503	370	903	1388.15	17261	599	4572	16
17	1423.05	30057	860	926	1418.85	28318	531	903	1411.45	25387	375	903	1386.35	16704	466	3244	17
18	1422.95	30015	735	903	1418.70	28257	617	903	1411.15	25272	376	903	1386.10	16627	348	709	18
19	1422.85	29973	723	903	1418.50	28176	512	903	1410.90	25176	452	903	1385.85	16551	350	709	19
20	1422.80	29952	829	903	1418.30	28094	522	903	1410.60	25062	359	903	1385.15	16338	434	1484	20
21	1422.70	29910	709	903	1418.15	28033	641	903	1410.30	24947	361	903	1381.85	15360	429	5336	21
22	1422.60	29868	722	903	1417.90	27932	440	903	1410.00	24833	369	903	1378.40	14372	546	5503	22
23	1422.50	29826	728	903	1417.70	27851	527	903	1409.70	24719	365	903	1375.00	13437	686	5372	23
24	1422.40	29785	734	903	1417.50	27770	519	903	1409.40	24606	375	903	1371.65	12555	494	4914	24
25	1422.30	29743	727	903	1417.30	27690	539	903	1409.10	24492	367	903	1367.45	11495	470	5789	25
26	1422.20	29701	726	903	1417.10	27609	541	903	1408.75	24360	283	903	1361.30	10024	801	8197	26
27	1422.10	29659	723	903	1416.90	27529	552	903	1408.45	24248	375	903	1361.00	9955	382	709	27
28	1422.00	29617	721	903	1416.65	27429	439	903	1408.10	24116	277	903	1360.65	9876	332	709	28
29	1421.85	29555	621	903	1416.40	27328	436	903	1407.80	24004	377	903	1360.30	9796	315	709	29
30	1421.75	29513	716	903	1416.20	27248	552	903	1407.50	23892	378	903	1360.05	9739	443	709	30
31					1415.95	27148	446	903	1407.15	23762	280	903					31
TOTAL			25073	28037			17283	27993			12172	27993			13331	83103	
Inf. Ac. Ft.			49732				34280				24143				26442	995306	
Outf. Ac. Ft.			55610+(210)				55523+(240)				55523+(247)		164830+(183)			89501.5+(1225.8)	
Maximum Mean Daily Inflow			1053				724				463				801	2984	
Minimum Mean Daily Inflow			621				433				277				293	277	
Storage Change		-7980				-23650				-33860				-140230		+87660	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1423.85	feet on	6&6/46	Storage	30,395.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	**1278.0	feet on	10/18/45	Storage	336.1	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	WEC
Max. Peak Inf.	5760	C. F. S. from	11:00 P.M. on	12/21/45	to 12:00 M	on 12/21/45	GEORGE H. MIDDLETON	Hydrographer	Storage applied	WEC
Max. Peak Outf.	9200	C. F. S. from	8:15 A.M. on	4/4/46	to	on		Hydrographer	Inf. & Outf. comp.	WEC

REMARKS * CORRECTED FOR 36.7 A.F. CAPACITY LOST DUE TO DEBRIS. ** RESERVOIR W.S. ELEV., COMBINED RESERVOIR AND SUMP STORAGE

( ) INDICATES TOTAL MONTHLY EVAPORATION LOSS.

F. C. Dist. Form 68A Revised 3/50 11/44

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In San Gabriel Canyon for the Year Ending September 30, 19 47

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 19 45 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1360.30	9796	991	703	1336.15	5157	1289	1187.4	1378.90	14513	293.8	591.8	1321.90	3160	719	1194	1
2	1360.35	9807	773	704	1335.90	5117	523	709	1376.60	13873	275.0	596.4	1328.70	4051	586.6	1368	2
3	1360.35	9807	721	709	1335.55	5062	446	709	1374.10	13197	248.5	588.9	1333.90	4806	517.6	1368	3
4	1360.30	9796	669	709	1335.20	5007	442	709	1371.50	12516	246.2	588.7	1338.05	5563	519.9	1376	4
5	1360.10	9751	495	709	1334.80	4945	408	709	1368.85	11844	249.9	588.7	1342.50	6211	465.5	1383	5
6	1359.90	9706	510	709	1334.45	4890	440	709	1367.00	11383	284.0	516.4	1346.10	6842	454.5	1360	6
7	1359.60	9638	387	709	1334.05	4828	401	709	1365.00	10894	269.6	515.6	1348.40	7268	350.8	1352	7
8	1359.30	9570	382	709	1333.80	4791	526	709	1362.85	10383	262.1	518.9	1350.40	7662	334.4	1352	8
9	1359.05	9514	454	709	1333.45	4738	447	709	1360.40	9819	240.4	523.9	1352.15	8021	317.0	1352	9
10	1358.75	9447	384	703	1333.10	4685	447	709	1357.65	9203	194.1	503.9	1353.70	8347	300.3	1352	10
11	1358.45	9380	388	703	1333.10	4685	709	709	1354.70	8561	194.2	517.3	1355.15	8658	293.3	1360	11
12	1358.15	9313	383	703	1335.25	5015	2977	1313	1351.60	7908	185.4	513.9	1356.45	8940	273.5	1312	12
13	1357.85	9247	391	703	1344.50	6558	9147	1368	1349.90	7560	199.0	373.9	1357.70	9214	271.5	1327	13
14	1357.50	9170	327	703	1347.00	7006	3625	1360	1346.30	6879	171.7	514.6	1358.85	9469	265.2	1360	14
15	1357.20	9104	377	703	1348.05	7202	2185	1197	1342.80	6263	200.1	510.0	1359.85	9694	250.8	1364	15
16	1357.05	9071	549	703	1348.50	7288	1810	1364	1338.75	5578	167.7	512.6	1360.75	9898	240.2	1358	16
17	1356.80	9016	439	703	1348.70	7326	1566	1364	1338.00	5455	159.4	221.0	1361.60	10093	233.5	1345	17
18	1356.55	8961	440	703	1348.90	7364	1559	1364	1338.75	5578	153.4	90.8	1362.40	10278	229.5	1352	18
19	1356.25	8896	392	703	1349.05	7393	1511	1364	1339.40	5686	145.8	90.8	1363.05	10430	213.0	1352	19
20	1355.95	8830	388	703	1358.90	9481	11884	1357	1339.60	5720	138.4	120.9	1363.70	10584	213.7	1352	20
21	1355.60	8755	340	703	1363.20	10465	6333	1367	1339.40	5686	119.9	136.8	1364.30	10727	209.1	1360	21
22	1355.30	8690	390	703	1366.15	11174	4946	1372	1339.20	5653	120.7	136.8	1364.85	10858	203.0	1360	22
23	1354.95	8614	336	706	1375.95	13695	14103	1393	1339.15	5645	121.6	125.6	1365.35	10979	197.8	1360	23
24	1354.65	8550	404	709	1382.45	15535	10679	1384	1339.35	5678	138.8	122.2	1365.80	11088	191.8	1360	24
25	1354.30	8475	347	709	1386.75	16827	7918	1394	1351.70	7928	1270.4	136.0	1366.25	11198	192.5	1360	25
26	1354.00	8411	391	709	1389.55	17709	5861	1404	1378.05	14274	3337.0	137.6	1366.65	11297	186.9	1360	26
27	1353.85	8379	547	709	1387.65	17115	3775	6759	1390.80	18102	2067.6	137.6	1367.00	11383	179.6	1360	27
28	1353.70	8347	555	709	1385.30	16408	3449	7000	1378.40	14372	1544.9	3424.9	1367.95	11618	254.5	1360	28
29	1353.55	8316	565	709	1382.98	15691	3295	6900	1365.20	10943	1352.9	3080.8	1368.50	11756	206.3	1360	29
30	1353.30	8263	456	709	1380.98	15107	3064	6000	1345.30	6699	928.8	3067.6	1368.90	11856	187.1	1360	30
31	1348.35	7258	746	5801					1310.85	1970	627.2	3011.2	1369.35	11970	178.9	1207	31
TOTAL			14917	26979			105767	65988			15908.5	22516.1			9238.2	41746	
Inf. Ac. Ft.			29587				209785				31554.0				18323.7	738149	
Outf. Ac. Ft.			53512+(885)				130885+(411)				44600.0+(309)			82802+(434)		71379.9+(203.9)	
Maximum Mean Daily Inflow			991				14103				3337.0				719.9	3337.0	
Minimum Mean Daily Inflow			327				401				119.9				178.9	32.7	
Storage Change		-24810				+78490				-131370				+100000		+22310	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1394.18	feet on	5/29/47	Storage	19253	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1309.80	feet on	12/31/46	Storage	2003	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	FHM
Max. Peak Inf.	6520	C. F. S. from	2:30 A.M. on	12/26/46	to 3:00 A.M.	on 12/26/46	GEORGE H. MIDDLETON	Hydrographer	Storage applied	FHM
Max. Peak Outf.	7670	C. F. S. from	AT 4:50 A.M. on	12/28/46	to	on		Hydrographer	Inf. & Outf. comp.	FHM

REMARKS ( ) INDICATES TOTAL MONTHLY EVAPORATION AND PERCOLATION

[ ] INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

SAN GABRIEL NO. 1 (cont'd)

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In San Gabriel Canyon for the Year Ending September 30, 1947.
On

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1945 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1370.00	12133	172.9	90.0	1377.70	14177	112.0	0.2	1387.15	16951	116.3	60.7	1393.15	18866	80.6	61.4	1
2	1370.60	12286	168.1	90.0	1376.10	13736	141.6	362.9	1387.45	17044	108.5	60.7	1393.30	18916	90.1	61.3	2
3	1371.15	12427	162.1	90.0	1376.95	13970	119.1	0.2	1387.80	17152	116.6	60.7	1393.40	18949	81.0	61.3	3
4	1371.70	12568	162.1	90.0	1377.80	14205	119.5	0.2	1388.10	17245	109.3	60.9	1393.45	18965	71.4	61.3	4
5	1372.20	12697	156.5	90.6	1378.65	14443	120.6	0.2	1388.35	17324	102.0	60.9	1393.55	18998	80.0	61.3	5
6	1372.70	12828	157.9	91.0	1379.45	14669	115.6	0.2	1388.60	17402	101.6	60.9	1393.30	18916	81.2	120.5	6
7	1373.15	12945	150.8	91.3	1375.55	13586	134.0	679.6	1388.85	17481	102.7	60.9	1393.40	18949	81.3	61.9	7
8	1373.60	13064	152.2	92.0	1376.40	13818	117.8	0.2	1389.05	17544	94.3	60.9	1393.50	18982	80.7	61.9	8
9	1374.05	13183	168.2	108.2	1377.20	14038	112.0	0.2	1389.30	17623	102.9	60.9	1393.55	18998	72.2	61.8	9
10	1374.30	13250	170.0	136.0	1377.95	14246	105.6	0.2	1389.50	17687	95.3	60.9	1393.60	19014	71.6	61.8	10
11	1374.40	13277	150.3	136.0	1378.70	14457	107.7	0.2	1389.70	17751	96.3	61.0	1393.70	19047	80.6	61.8	11
12	1374.50	13304	150.3	136.0	1379.45	14669	109.1	0.2	1389.90	17814	96.1	61.0	1393.75	19063	72.3	61.8	12
13	1374.60	13330	150.1	136.0	1380.15	14868	102.6	0.2	1390.05	17862	88.6	61.0	1393.85	19096	80.6	61.8	13
14	1374.65	13343	143.4	136.0	1380.85	15069	103.4	0.2	1390.20	17910	88.2	61.0	1393.90	19113	71.5	61.8	14
15	1374.70	13357	143.8	136.0	1381.55	15273	104.9	0.2	1390.40	17974	96.0	61.0	1394.00	19146	80.0	61.8	15
16	1374.70	13357	136.4	136.0	1382.20	15462	97.1	0.4	1390.60	18038	95.6	61.0	1394.05	19163	72.0	61.9	16
17	1374.95	13423	169.3	136.0	1382.50	15550	98.9	53.7	1390.75	18086	86.8	61.0	1394.10	19179	72.5	61.9	17
18	1375.05	13451	150.6	136.0	1382.65	15594	102.8	80.3	1390.95	18350	94.3	61.1	1394.10	19179	64.5	61.9	18
19	1371.40	12491	147.5	631.1	1382.85	15652	110.1	80.3	1391.10	18198	86.6	61.1	1394.10	19179	63.9	61.9	19
20	1371.70	12568	132.2	92.7	1383.05	15711	110.0	80.3	1391.30	18263	95.3	61.1	1394.10	19179	63.9	61.9	20
21	1372.05	12658	137.9	91.3	1383.40	15815	126.7	73.9	1391.50	18328	95.5	61.1	1394.15	19196	71.8	61.9	21
22	1372.30	12723	124.7	91.0	1383.80	15934	123.5	63.2	1391.70	18393	95.3	61.1	1394.15	19196	63.1	61.9	22
23	1372.60	12802	131.9	90.6	1384.15	16038	116.4	63.2	1391.90	18458	95.0	61.1	1394.15	19196	63.8	62.2	23
24	1373.30	12985	123.7	30.3	1384.45	16128	110.3	63.2	1392.10	18523	95.2	61.1	1394.15	19196	63.7	62.2	24
25	1374.20	13223	121.8	1.2	1384.75	16218	110.3	63.2	1392.25	18571	87.0	61.4	1394.15	19196	64.9	62.2	25
26	1375.10	13464	122.5	0.5	1385.00	16293	101.8	62.5	1392.45	18637	95.8	61.4	1394.15	19196	63.6	62.2	26
27	1376.00	13708	123.6	0.2	1385.25	16369	107.0	68.0	1392.60	18686	87.0	61.4	1394.15	19196	62.6	61.3	27
28	1376.90	13956	125.6	0.2	1385.70	16505	135.1	66.1	1392.80	18752	95.7	61.4	1394.15	19196	63.2	60.8	28
29					1386.10	16627	123.1	60.7	1392.95	18800	87.2	61.4	1394.15	19196	62.8	60.8	29
30					1386.50	16750	123.6	60.7	1393.05	18833	80.6	61.4	1394.15	19196	62.1	60.8	30
31					1386.80	16842	108.4	60.7					1394.15	19196	62.6	60.8	31
TOTAL			4106.4	3086.2			3530.6	2045.5			2887.6	1831.5			2216.1	1970.1	
Inf. Ac. Ft.			8144.9				7002.8				5727.5				4395.6	9908.5.7	
Outf. Ac. Ft.			6121.4 + (37.5)				4057.2 + (59.7)				3632.7 + (103.7)				3907.6 + (125.0)	89098.8+(529.8)	
Maximum Mean Daily Inflow			172.8				141.6				116.6				90.1	3337.0	
Minimum Mean Daily Inflow			121.8				97.1				80.6				62.1	32.7	
Storage Change		+1986.0				+ 2886.0				+ 1991.0				+ 3630		+94570	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

% Year

Max. W. S. Elev.	1394.18	feet on	5/29/47	Storage	19253	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1309.80	feet on	12/31/46	Storage	2003	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	FHM
Max. Peak Inf.	6520	C.F.S. from 2:30 A.M.	on	12/26/46	to 3:00 A.M.	on 12/26/46	GEORGE H. MIDDLETON	Hydrographer	Storage applied	FHM
Max. Peak Outf.	7670	C.F.S. from AT 4:50 A.M.	on	12/28/46	to	on		Hydrographer	Inf. & Outf. comp.	FHM

REMARKS ( ) INDICATES TOTAL MONTHLY EVAPORATION AND PERCOLATION

F. C. Dist. Form 88C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam No. 1

In San Gabriel Canyon for the Year Ending September 30, 1947.
On

Continuous Water Stage Recorder Au

Drainage Area 203 Square Miles. Capacity of Reservoir 44,342 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November, 1945 Survey Gage Heights Read Daily

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1394.15	19196	63.1	60.8	1392.10	18523	48.6	60.2	1386.25	16673	26.5	60.6	1377.65	14163	22.8	60.4	1
2	1394.15	19196	62.2	60.8	1391.95	18474	39.7	60.2	1386.05	16611	32.2	60.6	1377.40	14094	29.2	60.4	2
3	1394.15	19196	63.8	60.8	1391.80	18425	41.0	60.2	1385.80	16535	26.5	60.6	1377.10	14011	22.8	60.4	3
4	1394.15	19196	63.6	60.8	1391.60	18360	32.8	60.2	1384.50	16143	44.1	237.3	1376.80	13928	22.1	60.4	4
5	1394.15	19196	63.5	61.1	1391.45	18312	39.9	59.6	1384.30	16083	34.2	60.6	1376.50	13846	22.4	60.3	5
6	1394.15	19196	63.5	61.1	1391.30	18263	39.1	59.6	1384.05	16008	26.6	60.6	1376.25	13777	28.8	60.3	6
7	1394.10	19179	55.8	61.1	1391.15	18214	39.1	59.6	1383.80	15934	26.5	60.6	1375.95	13694	21.0	60.3	7
8	1394.10	19179	63.4	61.1	1391.00	18166	41.1	60.0	1383.55	15859	24.2	60.3	1375.70	13627	28.8	60.3	8
9	1394.05	19163	55.8	61.1	1390.80	18102	33.5	60.0	1383.35	15800	34.0	60.3	1375.45	13558	27.8	60.3	9
10	1394.00	19146	54.9	61.1	1390.60	18038	32.2	59.6	1383.15	15741	34.2	60.3	1375.15	13478	21.8	60.3	10
11	1393.95	19129	54.4	60.4	1390.45	17990	39.4	59.6	1382.90	15667	26.7	60.3	1374.90	13410	28.6	60.3	11
12	1393.90	19113	56.6	60.0	1390.30	17942	40.0	59.6	1382.70	15608	35.1	60.3	1374.60	13330	23.5	60.6	12
13	1393.80	19080	46.5	60.0	1390.10	17878	31.4	59.6	1382.45	15535	27.6	60.3	1374.35	13263	31.9	62.7	13
14	1393.75	19063	54.5	60.0	1389.95	17830	39.7	59.6	1382.20	15462	27.9	61.0	1374.05	13183	23.6	61.3	14
15	1393.70	19047	55.2	60.0	1389.80	17782	39.1	59.6	1381.95	15389	27.5	61.0	1373.75	13104	22.6	60.2	15
16	1393.60	19014	47.0	60.0	1389.60	17719	31.9	59.6	1381.70	15316	27.1	61.0	1373.45	13025	23.6	60.7	16
17	1393.50	18982	47.1	60.0	1389.45	17671	39.9	59.6	1381.45	15244	28.1	61.0	1373.20	12959	28.3	61.0	17
18	1393.40	18949	46.2	60.0	1389.25	17608	32.4	59.6	1381.20	15171	27.3	61.0	1373.00	12906	37.8	61.0	18
19	1393.30	18916	46.0	60.2	1389.05	17544	32.2	59.6	1381.00	15113	35.3	61.0	1372.70	12828	24.8	61.1	19
20	1393.20	18883	45.7	60.2	1388.85	17481	31.6	59.6	1380.75	15041	27.7	60.4	1372.40	12749	23.5	61.1	20
21	1393.15	18866	55.1	60.2	1388.70	17434	39.6	59.6	1380.50	14969	27.5	60.4	1372.15	12684	30.0	61.1	21
22	1393.05	18833	47.5	60.2	1388.50	17371	32.1	60.4	1380.25	14897	27.7	60.4	1371.85	12607	24.6	61.1	22
23	1392.95	18800	46.8	60.2	1388.30	17308	33.4	61.2	1380.00	14825	27.4	60.4	1371.55	12529	24.6	61.1	23
24	1392.85	18768	46.4	60.2	1388.10	17245	33.8	61.2	1379.75	14754	28.2	60.4	1371.25	12452	25.2	61.1	24
25	1392.75	18735	45.9	60.2	1387.85	17168	27.5	61.2	1379.50	14683	28.1	61.0	1370.95	12375	25.1	61.1	25
26	1392.65	18702	46.5	60.2	1387.65	17106	35.9	61.2	1379.25	14612	27.5	61.0	1370.65	12299	25.8	60.9	26
27	1392.55	18670	47.1	60.2	1387.40	17028	26.8	61.2	1379.00	14541	28.1	61.0	1370.35	12223	25.3	60.9	27
28	1392.45	18637	46.9	60.2	1387.15	16951	27.1	61.2	1378.75	14471	28.9	61.0	1370.05	12146	24.7	60.9	28
29	1392.30	18588	39.7	60.2	1386.95	16888	34.5	61.2	1378.50	14400	27.8	60.4	1369.70	12057	18.2	60.9	29
30	1392.20	18555	48.4	60.2	1386.70	16812	27.7	61.2	1378.20	14316	22.5	60.4	1369.35	11970	19.2	60.9	30
31					1386.50	16750	34.2	60.6	1377.95	14245	28.9	60.4					31
TOTAL			1579.1	1812.6			1097.2	1865.4			902.1	2055.9			758.4	1823.4	
Inf. Ac. Ft.			3132.1				2176.3				1789.3				1504.3	10768.7.7	
Outf. Ac. Ft.			3595.2+(177.9)				3700.0+(281.3)				4077.8+(216.4)				3616.7 + (162.6)	104088.5+(1368.0)	
Maximum Mean Daily Inflow			63.8				48.6				44.1				37.8	3337.0	
Minimum Mean Daily Inflow			39.7				26.8				22.5				18.2	18.2	
Storage Change		-641.0				-1805.0				-2505.0				-2275.0		+22310	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1394.18	feet on	5/29/47	Storage	19253	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1309.80	feet on	12/31/46	Storage	2003	Acre Feet	RALPH H. HARRISON	Dam Tender	Gage Hts. copied	FHM
Max. Peak Inf.	6520	C.F.S. from 2:30 A.M.	on	12/26/46	to 3:00 A.M.	on 12/26/46	GEORGE H. MIDDLETON	Hydrographer	Storage applied	FHM
Max. Peak Outf.	7670	C.F.S. from AT 4:50 A.M.	on	12/28/46	to	on		Hydrographer	Inf. & Outf. comp.	FHM

REMARKS ( ) INDICATES TOTAL MONTHLY EVAPORATION AND PERCOLATION

BIG DALTON

F. C. Dist. Form 68A Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1624.9	205	0.1	0	1627.0	250	0.04	0	1627.9	272	0.04	0	1659.9	205.6	1.2	0	1
2	1625.0	207	0.1	0	1627.0	250	0.04	0	1628.0	275	0.04	0	1660.2	208.4	1.1	0	2
3	1625.1	209	0.1	0	1627.0	250	0.04	0	1628.0	275	0.04	0	1660.5	211.2	1.1	0	3
4	1625.1	209	0.1	0	1627.1	252	0.04	0	1628.0	275	0.04	0	1660.7	213.1	1.1	0	4
5	1625.3	213	0.1	0	1627.2	255	0.04	0	1628.0	275	0.04	0	1660.9	215.0	1.1	0	5
6	1625.4	215	0.1	0	1627.2	255	0.04	0	1628.1	276	0.04	0	1661.1	216.9	0.9	0	6
7	1625.6	220	0.3	0	1627.2	255	0.04	0	1628.1	278	0.04	0	1661.3	218.8	0.8	0	7
8	1625.7	222	0.1	0	1627.3	258	0.04	0	1628.2	280	0.04	0	1661.5	220.7	0.8	0	8
9	1625.7	222	0.1	0	1627.3	258	0.04	0	1628.2	280	0.04	0	1661.6	221.7	0.7	0	9
10	1625.8	224	0.1	0	1627.3	258	0.04	0	1628.2	280	0.04	0	1661.7	222.6	0.7	0	10
11	1625.8	224	0.05	0	1627.4	260	0.04	0	1628.2	280	0.04	0	1661.9	224.5	0.7	0	11
12	1625.9	226	0.05	0	1627.4	260	0.04	0	1628.2	280	0.04	0	1662.0	225.5	0.7	0	12
13	1626.0	228	0.05	0	1627.4	260	0.04	0	1628.3	283	0.04	0	1662.2	227.5	0.7	0	13
14	1626.1	230	0.05	0	1627.5	262	0.04	0	1628.3	283	0.04	0	1662.3	228.5	0.7	0	14
15	1626.1	230	0.05	0	1627.5	262	0.04	0	1628.4	285	0.04	0	1662.4	229.5	0.7	0	15
16	1626.2	232	0.05	0	1627.5	262	0.04	0	1628.4	285	0.04	0	1662.5	230.5	0.7	0	16
17	1626.2	232	0.05	0	1627.6	265	0.04	0	1628.4	285	0.04	0	1662.6	231.5	0.7	0	17
18	1626.3	235	0.05	0	1627.6	265	0.04	0	1628.4	285	0.04	0	1662.7	232.5	0.7	0	18
19	1626.4	237	0.05	0	1627.6	265	0.04	0	1628.5	288	0.04	0	1662.9	234.5	0.7	0	19
20	1626.4	237	0.05	0	1627.7	268	0.04	0	1628.5	288	0.04	0	1663.1	236.5	0.7	0	20
21	1626.5	239	0.05	0	1627.7	268	0.04	0	1630.6	346	2.9	0	1663.2	237.6	0.6	0	21
22	1626.5	239	0.05	0	1627.7	268	0.04	0	1642.3	810	23.4	0	1663.3	238.6	0.5	0	22
23	1626.6	241	0.05	0	1627.8	270	0.04	0	1654.7	1611	40.4	0	1663.4	239.6	0.4	0	23
24	1626.6	241	0.05	0	1627.8	270	0.04	0	1656.3	1741	6.6	0	1663.5	240.6	0.4	0	24
25	1626.7	243	0.05	0	1627.8	270	0.04	0	1657.2	1817	3.8	0	1663.5	240.6	0.4	0	25
26	1626.7	243	0.05	0	1627.8	270	0.04	0	1657.8	1868	2.6	0	1663.6	241.7	0.4	0	26
27	1626.7	243	0.05	0	1627.9	272	0.04	0	1658.3	1912	2.2	0	1663.7	242.7	0.4	0	27
28	1626.8	246	0.1	0	1627.9	272	0.04	0	1658.7	1947	1.9	0	1663.8	243.7	0.4	0	28
29	1626.8	246	0.1	0	1627.9	272	0.04	0	1859.1	1983	1.7	0	1663.9	244.8	0.4	0	29
30	1626.9	248	0.1	0	1627.9	272	0.04	0	1659.4	2010	1.4	0	1663.9	244.8	0.4	0	30
31	1626.9	248	0.05	0					1659.7	2038	1.3	0	1664.0	245.8	0.4	0	31
TOTAL			2.4	0			1.2	0			39.0	0			21.2	0	
Inf. Ac. Ft.			4.8				2.4				1765				42.0	225.7	
Outf. Ac. Ft.				0				0				0			0	0	
Maximum Mean Daily Inflow			0.3				0.04				40.4				1.2	40.4	
Minimum Mean Daily Inflow			0.05				0.04				0.04				0.4	0.04	
Storage Change		+4.7				+2.4				+1766				+42.0		+225.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1685.8	feet	on VARIOUS DAYS	Storage	546.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1624.7	feet	on 10/1/45	Storage	20.1	Acre Feet	PAUL KEISER	Dam Tender	Gage Hts. copied	WEC RAW	10/18/46
Max. Peak Inf.	148	C.F.S. from	6:30 A.M. on 12/23/45	to	7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	WEC RAW	10/22/46
Max. Peak Outf.	3.0	C.F.S. from	on 8/3/46	to		on 8/5/46		Hydrographer	Inf. & Outf. comp.	WEC JHL	10/24/46

REMARKS (INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 68B Revised 500 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October, 1944 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1664.1	246.9	0.5	0	1667.8	288.0	0.5	0	1676.5	400.6	7.2	0	1683.8	513.5	0.8	0	1
2	1664.2	247.9	0.6	0	1667.9	289.2	0.5	0	1677.3	412.1	5.8	0	1683.9	515.2	0.7	0	2
3	1664.8	254.4	3.2	0	1668.0	290.3	0.5	0	1678.0	422.4	5.2	0	1684.0	516.8	0.7	0	3
4	1665.1	257.6	1.6	0	1668.0	290.3	0.5	0	1678.5	429.9	3.7	0	1684.0	516.8	0.6	0	4
5	1665.3	259.8	1.2	0	1668.1	291.5	0.5	0	1678.9	435.9	3.1	0	1684.1	518.5	0.5	0	5
6	1665.4	260.9	0.8	0	1668.2	292.7	0.5	0	1679.3	442.0	3.1	0	1684.2	520.1	0.5	0	6
7	1665.6	263.1	0.8	0	1668.3	293.9	0.4	0	1679.7	448.1	2.9	0	1684.3	521.8	0.5	0	7
8	1665.7	264.2	0.7	0	1668.3	293.9	0.4	0	1680.0	452.7	2.6	0	1684.3	521.8	0.5	0	8
9	1665.8	265.3	0.7	0	1668.4	295.1	0.4	0	1680.3	457.4	2.4	0	1684.3	521.8	0.5	0	9
10	1665.9	266.4	0.7	0	1668.4	295.1	0.4	0	1680.6	462.1	2.2	0	1684.4	523.4	0.5	0	10
11	1666.0	267.5	0.6	0	1668.5	296.2	0.4	0	1680.8	465.3	2.0	0	1684.4	523.4	0.5	0	11
12	1666.2	269.8	0.6	0	1668.6	297.4	0.4	0	1681.1	470.0	1.8	0	1684.5	525.1	0.5	0	12
13	1666.3	270.9	0.6	0	1668.7	298.6	0.4	0	1681.3	473.2	1.7	0	1684.6	526.8	0.5	0	13
14	1666.4	272.0	0.6	0	1668.8	299.8	0.4	0	1681.5	476.4	1.6	0	1684.6	526.8	0.5	0	14
15	1666.5	273.2	0.6	0	1668.8	299.8	0.4	0	1681.7	479.5	1.6	0	1684.7	528.4	0.5	0	15
16	1666.6	274.3	0.6	0	1668.9	301.0	0.4	0	1681.9	482.7	1.5	0	1684.8	530.1	0.5	0	16
17	1666.7	275.4	0.6	0	1669.0	302.2	0.4	0	1682.1	485.9	1.5	0	1684.8	530.1	0.5	0	17
18	1666.9	277.7	0.6	0	1669.0	302.2	0.4	0	1682.3	489.1	1.4	0	1684.9	531.7	0.5	0	18
19	1667.0	278.8	0.6	0	1669.2	304.6	1.2	0	1682.5	492.4	1.4	0	1685.0	533.4	0.5	0	19
20	1667.0	278.8	0.5	0	1669.4	307.0	1.2	0	1682.7	495.6	1.3	0	1685.0	533.4	0.5	0	20
21	1667.1	280.0	0.5	0	1669.5	308.2	0.8	0	1682.8	497.2	1.2	0	1685.1	535.1	0.5	0	21
22	1667.2	281.1	0.5	0	1669.6	309.5	0.6	0	1682.9	498.8	1.1	0	1685.2	536.8	0.5	0	22
23	1667.3	282.2	0.5	0	1669.7	310.7	0.5	0	1683.0	500.4	1.0	0	1685.2	536.8	0.5	0	23
24	1667.5	284.6	0.5	0	1669.8	311.9	0.5	0	1683.1	502.0	0.9	0	1685.3	538.5	0.5	0	24
25	1667.5	284.6	0.5	0	1669.9	313.1	0.5	0	1683.2	503.7	0.9	0	1685.4	540.2	0.5	0	25
26	1667.6	285.7	0.5	0	1670.0	314.3	0.4	0	1683.3	505.3	0.9	0	1685.4	540.2	0.5	0	26
27	1667.7	286.8	0.5	0	1670.0	314.3	0.4	0	1683.4	507.0	0.9	0	1685.4	540.2	0.5	0	27
28	1667.7	286.8	0.5	0	1670.2	316.8	1.2	0	1683.5	508.6	0.8	0	1685.5	541.8	0.4	0	28
29					1670.3	318.0	0.6	0	1683.6	510.2	0.8	0	1685.5	541.8	0.4	0	29
30					1673.8	363.1	22.8	0	1683.7	511.9	0.8	0	1685.6	543.5	0.4	0	30
31					1675.5	386.4	11.7	0					1685.6	543.5	0.4	0	31
TOTAL			20.7	0			50.2	0			63.3	0			15.9	0	
Inf. Ac. Ft.			41.1				99.6				125.6				31.5	523.5	
Outf. Ac. Ft.				0				0				0			0	0	
Maximum Mean Daily Inflow			3.2				22.8				7.2				0.8	40.4	
Minimum Mean Daily Inflow			0.5				0.4				0.8				0.4	0.04	
Storage Change		+41.0				+99.6				+125.5				+31.6		+523.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1685.8	feet	on VARIOUS DAYS	Storage	546.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1624.7	feet	on 10/1/45	Storage	20.1	Acre Feet	PAUL KEISER	Dam Tender	Gage Hts. copied	WEC RAW	10/22/46
Max. Peak Inf.	148	C.F.S. from	6:30 A.M. on 12/23/45	to	7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	WEC RAW	10/22/46
Max. Peak Outf.	3.0	C.F.S. from	on 8/3/46	to		on 8/5/46		Hydrographer	Inf. & Outf. comp.	WEC JHL	10/24/46

REMARKS (INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

BIG DALTON (cont'd)

F. C. Dist. Form 86C Revised 5M9 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In On Big Dalton Canyon for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 1944 Survey Gage Heights Read Daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1685.6	543.5	0.3	0	1682.3	489.1	0	2.5	1672.2	342.1	0	2.9	1656.8	178.3	0	2.4	1
2	1685.7	545.2	0.2	0	1682.0	484.3	0	2.4	1671.8	337.0	0	2.9	1656.3	174.1	0	2.4	2
3	1685.7	545.2	0.2	0	1681.7	479.5	0	2.4	1671.3	330.6	0	3.0	1655.7	169.2	0	2.4	3
4	1685.7	545.2	0.1	0	1681.4	474.8	0	2.4	1670.8	324.3	0	3.0	1655.1	164.3	0	2.4	4
5	1685.7	545.2	0.1	0	1681.1	470.0	0	2.4	1670.3	318.0	0	3.0	1654.5	159.6	0	2.4	5
6	1685.7	545.2	0	0	1680.8	465.3	0	2.4	1669.9	313.1	0	2.8	1654.0	155.6	0	2.5	6
7	1685.7	545.2	0	0	1680.5	460.6	0	2.4	1669.4	307.0	0	2.8	1653.3	150.2	0	2.6	7
8	1685.7	545.2	0	0	1680.2	455.8	0	2.4	1669.0	302.2	0	2.8	1652.5	144.2	0	2.6	8
9	1685.7	545.2	0	0	1679.9	451.2	0	2.3	1668.5	296.2	0	2.8	1651.8	139.1	0	2.6	9
10	1685.7	545.2	0	0	1679.6	446.6	0	2.3	1668.0	290.3	0	2.7	1651.1	134.0	0	2.6	10
11	1685.7	545.2	0	0	1679.3	442.0	0	2.4	1667.5	284.6	0	2.7	1650.4	129.1	0	2.6	11
12	1685.7	545.2	0	0	1678.9	435.9	0	2.5	1667.0	278.8	0	2.7	1649.7	124.3	0	2.6	12
13	1685.7	545.2	0	0	1678.6	431.4	0	2.5	1666.6	274.3	0	2.6	1648.9	119.0	0	2.5	13
14	1685.7	545.2	0	0	1678.3	426.9	0	2.4	1666.1	268.6	0	2.6	1648.1	113.8	0	2.5	14
15	1685.7	545.2	0	0	1678.0	422.4	0	2.4	1665.7	264.2	0	2.6	1647.3	108.9	0	2.5	15
16	1685.7	545.2	0	0	1677.6	416.5	0	2.4	1665.2	258.7	0	2.6	1646.4	103.4	0	2.5	16
17	1685.7	545.2	0	0	1677.3	412.1	0	2.4	1664.6	252.2	0	2.7	1645.5	98.2	0	2.5	17
18	1685.7	545.2	0	0	1677.0	407.7	0	2.3	1664.1	246.9	0	2.7	1644.6	93.1	0	2.5	18
19	1685.7	545.2	0	0	1676.6	402.0	0	2.3	1663.6	241.7	0	2.7	1643.7	88.3	0	2.5	19
20	1685.6	543.5	0.	0.8	1676.4	399.1	0	2.3	1663.2	237.6	0	2.7	1642.9	84.1	0	2.5	20
21	1685.3	538.5	0	2.6	1676.0	393.4	0	2.3	1662.6	231.5	0	2.6	1642.0	79.5	0	2.5	21
22	1685.0	533.4	0	2.5	1675.7	389.2	0	2.3	1662.2	227.5	0	2.6	1641.1	75.1	0	2.5	22
23	1684.7	528.4	0	2.5	1675.4	385.0	0	2.4	1661.6	221.7	0	2.6	1640.0	69.9	0	2.4	23
24	1684.4	523.4	0	2.5	1675.0	379.4	0	2.4	1661.2	217.8	0	2.6	1638.9	65.0	0	2.4	24
25	1684.1	518.5	0	2.5	1674.7	375.3	0	2.4	1660.6	212.1	0	2.5	1637.7	59.8	0	2.4	25
26	1683.8	513.5	0	2.5	1674.3	369.9	0	2.4	1660.0	206.5	0	2.4	1636.6	55.3	0	2.4	26
27	1683.5	508.6	0	2.5	1673.9	364.5	0	2.4	1659.5	202.0	0	2.4	1635.3	50.3	0	2.4	27
28	1683.2	503.7	0	2.5	1673.6	360.5	0	2.4	1659.0	197.4	0	2.4	1634.0	45.6	0	2.4	28
29	1682.9	498.8	0	2.5	1673.3	356.5	0	2.4	1658.5	193.0	0	2.4	1632.6	40.9	0	2.3	29
30	1682.6	494.0	0	2.5	1672.9	351.2	0	2.4	1657.9	187.6	0	2.4	1631.2	36.4	0	2.3	30
31					1672.6	347.3	0	2.4	1657.4	183.4	0	2.4					31
TOTAL			0.9	25.9			0	74.0			0	82.6			0	74.1	
Inf. Ac. Ft.			1.8				0				0				0	52.3	
Outf. Ac. Ft.				51.4				146.8				163.8			147.0	509.0	
Maximum Mean Daily Inflow			0.3				0				0				0	40.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-49.5				-146.7				-163.9				-147.0		+163	Yearly Totals

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1685.8	feet	on VARIOUS DAYS	Storage	546.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1624.7	feet	on 10/1/45	Storage	20.1	Acre Feet		Dam Tender	Gage Hts. copied	WEC RAW 10/24/46
Max. Peak Inf.	148	C. F. S. from	6:30 A.M. on 12/23/45	to	7:00 A.M.	on 12/23/45		Hydrographer	Storage applied	WEC RAW "
Max. Peak Outf.	3.0	C. F. S. from	on 8/3/46	to		on 8/5/46		Hydrographer	Inf. & Outf. comp.	FHM JHL "

REMARKS (INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION

F. C. Dist. Form 86A Revised 5M9 11/44

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In On Big Dalton Canyon for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 1944 Survey Gage Heights Read daily

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1629.8	323	0.2	2.3	1630.0	329	0.05	0	1651.3	135.5	1.0	0	1663.1	236.5	4.5	8.7	1
2	1628.2	280	0.2	2.3	1630.0	329	0.05	0	1651.6	137.6	1.0	0	1662.2	227.5	3.9	8.4	2
3	1627.8	270	1.1	1.6	1630.0	329	0.05	0	1651.9	139.8	0.9	0	1661.2	217.8	3.5	8.1	3
4	1628.0	275	0.3	0	1630.0	329	0.05	0	1652.1	141.2	0.9	0	1660.2	208.4	3.0	8.1	4
5	1628.2	280	0.2	0	1630.0	329	0.05	0	1652.3	142.7	0.9	0	1659.1	198.3	2.7	7.8	5
6	1628.3	283	0.2	0	1630.1	331	0.05	0	1652.6	144.9	1.1	0	1657.9	187.6	2.5	7.8	6
7	1628.4	285	0.1	0	1630.1	332	0.05	0	1652.8	146.4	1.0	0	1656.7	177.5	2.5	7.8	7
8	1628.5	288	0.1	0	1630.1	332	0.05	0	1653.0	147.9	0.8	0	1656.6	176.6	2.4	2.7	8
9	1628.6	291	0.1	0	1630.2	335	0.05	0	1653.2	149.4	0.8	0	1657.0	180.0	2.1	0	9
10	1628.7	293	0.1	0	1630.2	335	0.05	0	1653.4	151.0	0.7	0	1657.4	183.4	1.8	0	10
11	1628.8	296	0.1	0	1630.3	338	0.1	0	1653.6	152.5	0.7	0	1657.7	186.0	1.5	0	11
12	1628.8	296	0.1	0	1630.7	349	0.6	0	1653.8	154.1	0.6	0	1658.0	188.5	1.4	0	12
13	1628.9	298	0.1	0	1631.5	374	1.2	0	1654.0	155.6	0.7	0	1658.4	192.1	1.3	0	13
14	1629.0	301	0.05	0	1632.2	396	1.1	0	1654.1	156.4	0.6	0	1658.6	193.8	1.2	0	14
15	1629.0	301	0.05	0	1632.4	402	0.3	0	1654.3	158.0	0.7	0	1659.0	197.4	1.2	0	15
16	1629.1	304	0.1	0	1632.6	409	0.3	0	1654.4	158.3	0.6	0	1659.3	200.1	1.1	0	16
17	1629.2	307	0.1	0	1632.7	412	0.2	0	1654.6	160.3	0.5	0	1659.5	202.0	1.1	0	17
18	1629.2	307	0.1	0	1632.8	415	0.2	0	1654.7	161.1	0.5	0	1659.7	203.8	1.1	0	18
19	1629.3	309	0.1	0	1632.9	419	0.2	0	1654.8	161.9	0.5	0	1660.0	206.5	1.0	0	19
20	1629.3	309	0.1	0	1640.9	741	16.2	0	1655.0	163.5	0.5	0	1660.2	208.4	1.0	0	20
21	1629.4	312	0.05	0	1642.4	815	3.8	0	1655.1	164.3	0.5	0	1660.4	210.3	1.0	0	21
22	1629.4	312	0.05	0	1643.3	862	2.3	0	1655.2	165.1	0.5	0	1660.6	212.1	1.0	0	22
23	1629.5	315	0.1	0	1645.5	982	6.1	0	1655.4	166.7	0.6	0	1660.8	214.0	1.0	0	23
24	1629.5	315	0.1	0	1647.2	1082	5.0	0	1655.5	167.6	0.7	0	1661.0	215.9	1.0	0	24
25	1629.6	318	0.05	0	1648.2	1145	3.2	0	1656.5	175.8	4.1	0	1661.2	217.8	1.0	0	25
26	1629.6	318	0.05	0	1649.0	1196	2.6	0	1659.1	198.3	11.3	0	1661.4	219.7	0.9	0	26
27	1629.7	321	0.2	0	1649.7	1243	2.3	0	1661.8	223.6	12.8	0	1661.5	220.7	0.6	0	27
28	1629.7	321	0.05	0	1650.2	1277	1.7	0	1663.6	241.7	8.5	0	1662.0	225.5	2.4	0	28
29	1629.8	323	0.05	0	1650.6	1305	1.5	0	1664.8	254.4	7.0	0	1662.3	228.5	1.5	0	29
30	1629.9	326	0.05	0	1651.0	1333	1.4	0	1664.7	253.3	6.9	7.4	1662.5	230.5	1.0	0	30
31	1629.9	326	0.05	0					1663.9	244.8	6.7	11.0	1662.7	232.5	1.0	0	31
TOTAL			4.30	6.2			50.8	0			74.6	18.4			53.2	59.4	
Inf. Ac. Ft.			8.5				100.8				148.0				105.5	362.8	
Outf. Ac. Ft.				12.3				0				36.5			117.8	166.6	
Maximum Mean Daily Inflow			1.1				16.2				12.8				4.5	16.2	
Minimum Mean Daily Inflow			0.05				0.05				0.5				0.6	0.05	
Storage Change		-3.8				+100.7				+111.5				-12.3		+196.1	½ Year

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1673.4	feet	on 6/16/47	Storage	357.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1621.1	feet	on 9/24/47	Storage	13.8	Acre Feet	PAUL KEISER	Dam Tender	Gage Hts. copied	JHL FHM 9/5/47
Max. Peak Inf.	55.7	C. F. S. from	11:00 A.M. on 12/20/46	to	12:00 NOON	on 11/20/46	C. L. BREWSTER	Hydrographer	Storage applied	JHL FHM 9/5/47
Max. Peak Outf.	12.2	C. F. S. from	8:00 A.M. on 12/30/46	to	12:00 NOON	on 12/30/46		Hydrographer	Inf. & Outf. comp.	JHL APK 10/6/47

REMARKS NO ALLOWANCE MADE FOR PERCOLATION OR EVAPORATION
(INDICATES TOTAL OR PRORATED DAILY AMOUNTS

PUDDINGSTONE DIVERSION (cont'd)

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In San Dimas Creek

On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 2.6 Square Miles. Capacity of Reservoir 108.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September, 1944 Survey Gage Heights Read at various times

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	11406	218	82	67	11388	135	0	0	11369	**52	0	0			0	0	1
2	11405	214	79	71	11385	124	0	0	11368	50	0	0			0	0	2
3	11394	161	49	67	11381	108	0	0	11366	46	0	0			0	0	3
4	11391	148	28	27	11380	*103	(05	0	11365	44	0	0			0	0	4
5	11391	148	14	06	11382	112	12	0	11364	42	0	0			0	0	5
6	11392	152	15	05	11383	116	09	0	11362	37	0	0			0	0	6
7	11392	152	20	12	11384	120	09	0	11361	35	0	0			0	0	7
8	11392	152	21	13	11385	124	09	0	11360	33	0	0			0	0	8
9	11395	166	23	08	11387	131	(09	0	11358	30	0	0			0	0	9
10	11399	184	18	0	11386	127	05	0	11357	28	0	0			0	0	10
11	11402	199	18	0	11383	116	02	0	11355	24	0	0			0	0	11
12	11404	209	15	0	11380	104	0	0	11353	20	0	0			0	0	12
13	11406	218	15	0	11380	*100	0	0	11352	19	0	0			0	0	13
14	11405	214	(12	0	11380	93	0	0	11349	14	0	0			0	0	14
15	11403	204	12	0	11380	87	0	0	11345	10	0	0			0	0	15
16	11400	189	10	0	11379	80	0	0	11341	06	0	0			0	0	16
17	11398	180	10	0	11379	*76	0	0	11335	03	0	0			0	0	17
18	11398	180	08	0	11378	**73	0	0	11328	02	0	0			0	0	18
19	11400	189	08	0	11378	73	0	0	11320	01	0	0			0	0	19
20	11401	194	08	0	11378	73	0	0	11312	01	0	0			0	0	20
21	11400	189	08	0	11378	73	0	0	11304	**	0	0			0	0	21
22	11401	194	08	0	11377	70	0	0			0	0			0	0	22
23	11401	194	08	0	11377	70	0	0			0	0			0	0	23
24	11402	199	04	0	11376	68	0	0			0	0			0	0	24
25	11401	194	(02	0	11376	68	0	0			0	0			0	0	25
26	11398	180	02	0	11375	66	0	0			0	0			0	0	26
27	11395	166	01	0	11375	66	0	0			0	0			0	0	27
28	11392	152	01	0	11374	64	0	0			0	0			0	0	28
29					11372	59	0	0			0	0			0	0	29
30					11371	57	0	0			0	0			0	0	30
31					11370	**54	0	0							0	0	31
TOTAL			499	276			60	0			0	0			0	0	
Inf. Ac. Ft.			990				119				0				0	1399.8	
Outf. Ac. Ft.			547+(500)				0 + (216)				0 + (54)				0	1108.8+(290.8)	
Maximum Mean Daily Inflow			82				12				0				0	547	
Minimum Mean Daily Inflow			01				0				0				0	0	
Storage Change		-57				-98				-54				0		0	
																¾ Year	

Small Pool in Upper Reservoir. Storage Negligible. Small Pool. Storage Negligible.

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1145.95	feet	on	12/26/46	Storage	51.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1127 +	feet	on	PART OF YEAR	Storage	0	Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied	JHL	APK
Max. Peak Inf.	57.5	C.F.S. from	2:00 A.M.	on	12/26/46	to	5:00 A.M.	on	12/26/46	C. L. BREWSTER	Hydrographer	Storage applied	JHL	APK
Max. Peak Outf.	57.5	C.F.S. from	2:00 A.M.	on	12/26/46	to	5:00 A.M.	on	12/26/46		Hydrographer	Inf. & Outf. comp.	JHL	APK 11/26/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION
[" TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
* " STORAGE IN UPPER AND LOWER PONDS ** STORAGE IN UPPER POND ONLY

F. C. Dist. Form 88C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In San Dimas Creek

On for the Year Ending September 30, 1947

Continuous Water Stage Recorder Au

Drainage Area 2.6 Square Miles. Capacity of Reservoir 108.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of September, 1944 Survey Gage Heights Read at various times

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1			0	0			0	0	11270		0	0	11270		0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0	11270		0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	1399.8	
Outf. Ac. Ft.				0				0				0			0	1108.9+(290.8)	
Maximum Mean Daily Inflow			0				0				0				0	54.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	
																Yearly Totals	

Small Pool. Storage Negligible. Small Pool. Reservoir Dry. No Storage. Reservoir Dry. No Storage. Res. Dry.

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1145.95	feet	on	12/26/46	Storage	51.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1127 +	feet	on	MOST OF YEAR	Storage	0	Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied	JHL	APK
Max. Peak Inf.	57.5	C.F.S. from	2:00 A.M.	on	12/26/46	to	5:00 A.M.	on	12/26/46	C. L. BREWSTER	Hydrographer	Storage applied	JHL	APK
Max. Peak Outf.	57.5	C.F.S. from	2:00 A.M.	on	12/26/46	to	5:00 A.M.	on	12/26/46		Hydrographer	Inf. & Outf. comp.	JHL	APK 11/26/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

PUDDINGSTONE

F. C. Dist. Form 86A Revised 506 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In On Puddingstone Creek for the Year Ending September 30, 19 46

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January, 19 41 Survey Gage Heights Read Daily

Day	OCTOBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	NOVEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	DECEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JANUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	934.90	5390.9	0	8.0	932.35	4864.2	0	8.0	929.65	4353.5	0	8.0	933.90	5178.7	0	0	1
2	934.80	5369.6	0	8.0	932.25	4844.4	0	8.0	929.55	4335.5	0	8.0	933.90	5178.7	0.5	0	2
3	934.70	5348.3	0	8.0	932.15	4824.5	0	8.0	929.45	4317.5	0	8.0	933.90	5178.7	1.5	0	3
4	934.60	5327.0	0	8.0	932.10	4814.6	0	8.0	929.35	4299.4	0	8.0	933.90	5178.7	1.0	0	4
5	934.50	5305.8	0	8.0	932.00	4794.7	0	8.0	929.25	4281.4	0	8.0	933.90	5178.7	2.0	0	5
6	934.50	5305.8	10.7	8.0	931.95	4785.1	0	8.0	929.20	4272.4	0	8.0	933.85	5168.4	0.8	0	6
7	934.45	5295.2	5.0	8.0	931.85	4765.9	0	8.0	929.10	4254.3	0	8.0	933.85	5168.4	0	0	7
8	934.45	5295.2	7.1	8.0	931.75	4746.7	0	8.0	929.00	4236.3	0	8.0	933.85	5168.4	0	0	8
9	934.35	5273.8	3.0	8.0	931.65	4727.5	0	8.0	928.90	4218.8	0	8.0	933.80	5158.1	0	0	9
10	934.25	5252.6	0	8.0	931.55	4708.3	0	8.0	928.80	4201.3	0	8.0	933.80	5158.1	0	0	10
11	934.15	5231.3	0	8.0	931.45	4689.0	0	8.0	928.75	4192.5	0	8.0	933.80	5158.1	0	0	11
12	934.05	5210.0	0	8.0	931.35	4669.8	0	8.0	928.65	4175.0	0	8.0	933.75	5147.9	0	0	12
13	934.00	5199.3	0	8.0	931.25	4650.6	0	8.0	928.55	4157.5	0	8.0	933.75	5147.9	0	0	13
14	933.90	5178.7	0	8.0	931.20	4641.0	0	8.0	928.45	4140.0	0	8.0	933.75	5147.9	0	0	14
15	933.80	5158.1	0	8.0	931.10	4621.8	0	8.0	928.35	4122.5	0	8.0	933.75	5147.9	0	0	15
16	933.70	5137.6	0	8.0	931.00	4602.6	0	8.0	928.25	4104.9	0	8.0	933.70	5137.6	0	0	16
17	933.65	5127.3	0	8.0	930.90	4584.0	0	8.0	928.15	4087.4	0	8.0	933.70	5137.6	0	0	17
18	933.55	5106.7	0	8.0	930.85	4574.7	0	8.0	928.05	4069.9	0	8.0	933.70	5137.6	0	0	18
19	933.50	5096.4	0	8.0	930.75	4556.1	0	8.0	927.95	4052.6	0	8.0	933.70	5137.6	0	0	19
20	933.40	5075.8	0	8.0	930.65	4537.5	0	8.0	927.85	4035.5	0	8.0	933.70	5137.6	0	0	20
21	933.30	5055.2	0	8.0	930.55	4519.0	0	8.0	928.15	4087.4	34.6	8.0	933.70	5137.6	0	0	21
22	933.20	5034.7	0	8.0	930.45	4500.4	0	8.0	930.50	4509.7	216.6	3.3	933.65	5127.3	0	0	22
23	933.10	5014.1	0	8.0	930.35	4481.8	0	8.0	933.30	5055.2	275.4	0	933.65	5127.3	0	0	23
24	933.00	4993.5	0	8.0	930.30	4472.5	0	8.0	933.85	5168.4	57.5	0	933.65	5127.3	0	0	24
25	932.95	4983.5	0	8.0	930.20	4453.9	0	8.0	933.90	5178.7	5.6	0	933.65	5127.3	0	0	25
26	932.85	4963.6	0	8.0	930.10	4435.3	0	8.0	933.90	5178.7	0.4	0	933.65	5127.3	0	0	26
27	932.75	4943.8	0	8.0	930.00	4416.7	0	8.0	933.90	5178.7	0.4	0	933.60	5117.0	0	0	27
28	932.65	4923.9	0	8.0	929.90	4398.7	0	8.0	933.90	5178.7	0.4	0	933.60	5117.0	0	0	28
29	932.60	4914.0	0	8.0	929.80	4380.6	0	8.0	933.90	5178.7	0.4	0	933.60	5117.0	0	0	29
30	932.50	4894.1	0	8.0	929.70	4362.6	0	8.0	933.90	5178.7	0.4	0	933.60	5117.0	0	0	30
31	932.45	4884.1	0	8.0					933.90	5178.7	0.4	0	933.55	5106.7	0	0	31
TOTAL			25.8	248.0			0	240.0			592.1	171.3			5.8	0	
Inf. Ac. Ft.			51.2				0				1174.4				11.5	1237.1	
Outf. Ac. Ft.			491.9	+ (87.5)			476.0	+ (45.4)			339.8	+ (18.4)			0 + (83.5)	(307.7+234.8)	
Maximum Mean Daily Inflow			10.7				0				275.4				2.0	275.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		-528.1				-52.15				+81.61				-72.0		-305.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¼ Year

Max. W. S. Elev.	935.00	feet	on 10/1/45	Storage 5412.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	884.15	feet	on VARIOUS DAYS	Storage 237.0	Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied	FHM JHL	7/23/47
Max. Peak Inf.	929	C.F.S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	FHM JHL	"
Max. Peak Outf.	32	C.F.S. from 12:00 M	on 8/25/45	to 12:00 M	on 8/31/46		Hydrographer	Inf. & Outf. comp.	FHM JHL	"

REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

F. C. Dist. Form 86B Revised 506 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In On Puddingstone Creek for the Year Ending September 30, 19 46

Continuous Water Stage Recorder Au

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January, 19 41 Survey Gage Heights Read Daily

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	933.55	5106.7	0	0	933.55	5106.7	0	0	934.15	5231.2	3.2	0	934.10	5220.6	0	5.7	1
2	933.55	5106.7	0	0	933.55	5106.7	0	0	934.20	5241.9	2.2	0	934.05	5209.9	0	7.6	2
3	933.70	5137.6	16.6	0	933.50	5096.4	0	0	934.15	5231.2	5.7	0	933.95	5189.0	0	8.0	3
4	933.75	5147.9	6.1	0	933.50	5096.4	0	0	934.25	5252.5	5.0	0	933.85	5168.4	0	8.0	4
5	933.75	5147.9	2.0	0	933.50	5096.4	0	0	934.55	5316.4	32.2	0	933.75	5147.9	0	8.0	5
6	933.70	5137.6	1.0	0	933.45	5086.1	0	0	934.55	5316.4	1.5	0	933.70	5137.6	0	8.0	6
7	933.70	5137.6	1.0	0	933.45	5086.1	0	0	934.55	5316.4	1.5	0	933.55	5106.7	0	8.7	7
8	933.70	5137.6	0	0	933.45	5086.1	0	0	934.50	5305.8	1.0	0	933.45	5086.1	0	9.0	8
9	933.70	5137.6	0	0	933.40	5075.8	0	0	934.50	5305.8	0.1	0	933.35	5065.5	0	9.0	9
10	933.70	5137.6	0	0	933.40	5075.8	0	0	934.50	5305.8	0	0	933.25	5045.0	0	9.0	10
11	933.65	5127.3	0	0	933.40	5075.8	0	0	934.45	5295.1	0	0	933.15	5024.4	0	9.5	11
12	933.65	5127.3	0	0	933.40	5075.8	0	0	934.45	5295.1	0	0	933.05	5003.8	0	11.0	12
13	933.65	5127.3	0	0	933.40	5075.8	0	0	934.45	5295.1	0	0	932.90	4973.6	0	11.0	13
14	933.65	5127.3	0	0	933.40	5075.8	0	0	934.45	5295.1	0	0	932.80	4953.7	0	11.0	14
15	933.65	5127.3	0	0	933.35	5065.5	0	0	934.40	5284.5	0	0	932.65	4923.9	0	11.0	15
16	933.65	5127.3	0	0	933.35	5065.5	0	0	934.40	5284.5	0	0	932.55	4904.0	0	11.0	16
17	933.65	5127.3	0	0	933.35	5065.5	0	0	934.40	5284.5	0	0	932.45	4884.1	0	11.0	17
18	933.65	5127.3	0	0	933.35	5065.5	0	0	934.40	5284.5	0	0	932.30	4854.3	0	11.0	18
19	933.60	5117.0	0	0	933.40	5075.8	(4.9	0	934.40	5284.5	0	0	932.20	4834.5	0	11.0	19
20	933.60	5117.0	0	0	933.40	5075.8	5.4	0	934.35	5273.8	0	0	932.10	4814.6	0	11.0	20
21	933.60	5117.0	0	0	933.40	5075.8	0.3	0	934.35	5273.8	0	0	931.95	4785.1	0	11.0	21
22	933.60	5117.0	0	0	933.40	5075.8	0.1	0	934.35	5273.8	0	0	931.85	4765.9	0	11.0	22
23	933.60	5117.0	0	0	933.40	5075.8	0.1	0	934.30	5263.2	0	0	931.70	4737.1	0	11.0	23
24	933.60	5117.0	0	0	933.35	5065.5	0	0	934.30	5263.2	0	0	931.60	4717.9	0	11.0	24
25	933.55	5106.7	0	0	933.35	5065.5	0	0	934.30	5263.2	0	0	931.45	4689.0	0	11.0	25
26	933.55	5106.7	0	0	933.35	5065.5	0	0	934.30	5263.2	0	0	931.30	4660.2	0	11.0	26
27	933.55	5106.7	0	0	933.35	5065.5	0	0	934.25	5252.5	0	0	931.20	4641.0	0	11.0	27
28	933.55	5106.7	0	0	933.40	5075.8	6.4	0	934.25	5252.5	0	0	931.10	4621.8	0	11.0	28
29					933.45	5086.1	6.4	0	934.25	5252.5	0	0	930.95	4593.3	0	11.0	29
30					934.05	5209.9	63.6	0	934.20	5241.9	0	1.6	930.80	4565.4	0	11.0	30
31					934.15	5231.2	12.0	0					930.70	4546.8	0	11.0	31
TOTAL			26.7	0			99.2	0			52.4	1.6			0	310.5	
Inf. Ac. Ft.			53.0				196.8				103.9				0	1590.8	
Outf. Ac. Ft.			0	+ (53.0)			0	+ (72.2)			32	+ (90.0)		615.9 + (79.1)		1926.8+(529.1)	
Maximum Mean Daily Inflow			16.6				63.6				32.2				0	275.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+124.5				+10.7				-69.51		-865.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

¾ Year

Max. W. S. Elev.	935.0	feet	on 10/1/45	Storage 5912.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	884.15	feet	on VARIOUS DAYS	Storage 237.0	Acre Feet	F. A. POLLARD	Dam Tender	Gage Hts. copied	FHM JHL	7/23/47
Max. Peak Inf.	929	C.F.S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	FHM JHL	"
Max. Peak Outf.	32	C.F.S. from 12:00 M	on 8/25/46	to 12:00 M	on 8/31/46		Hydrographer	Inf. & Outf. comp.	FHM JHL	"

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

LIVE OAK

F. C. Dist. Form 88A Revised 300 11/44

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon

On for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 1938 Survey Gage Heights Read at various times

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C. F. S. Inflow	OCTOBER C. F. S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C. F. S. Inflow	NOVEMBER C. F. S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C. F. S. Inflow	DECEMBER C. F. S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C. F. S. Inflow	JANUARY C. F. S. Outflow	Day
1			0	0			0	0			0	0	1470.5	37.1	(0.1	2.0	1
2			0	0			0	0			0	0	1469.5	33.4	0.1	2.0	2
3			0	0			0	0			0	0	1468.4	29.6	0.1	2.0	3
4			0	0			0	0			0	0	1467.2	25.7	0.1	2.0	4
5			0	0			0	0			0	0	1465.9	21.9	0.1	2.0	5
6			0	0			0	0			0	0	1464.5	18.2	0.1	2.0	6
7			0	0			0	0			0	0	1463.0	14.6	0.1	2.0	7
8			0	0			0	0			0	0	1461.4	11.4	0.05	2.0	8
9			0	0			0	0			0	0	1460.3	9.4	0.05	1.2	9
10			0	0			0	0			0	0	1460.4	9.6	0.05	0	10
11			0	0			0	0			0	0	1460.5	9.8	0.05	0	11
12			0	0			0	0			0	0	1460.6	9.9	0.05	0	12
13	Reservoir Dry		0	0	Reservoir Dry		0	0	Reservoir Dry		0	0	1460.6	9.9	0.05	0	13
14		No Storage	0	0		No Storage	0	0		No Storage	0	0	1460.7	10.1	0.05	0	14
15			0	0			0	0			0	0	1460.8	10.3	0.05	0	15
16			0	0			0	0			0	0	1460.8	10.3	0.05	0	16
17			0	0			0	0			0	0	1460.9	10.4	0.05	0	17
18			0	0			0	0			0	0	1460.9	10.4	0.05	0	18
19			0	0			0	0			0	0	1460.9	10.4	0.05	0	19
20			0	0			0	0			0	0	1461.0	10.6	0.05	0	20
21			0	0			0	0	1445.1	0	0	0	1461.0	10.6	0.05	0	21
22			0	0			0	0	1465.6	21.1	10.6	0	1461.0	10.6	0.05	0	22
23			0	0			0	0	1476.9	65.0	22.2	0	1461.0	10.6	0.05	0	23
24			0	0			0	0	1477.2	66.6	0.8	0	1461.1	10.8	0.05	0	24
25			0	0			0	0	1476.9	65.0	0.1	0.9	1461.1	10.8	0.05	0	25
26			0	0			0	0	1476.1	61.0	0.1	2.1	1461.1	10.8	0.05	0	26
27			0	0			0	0	1475.3	57.2	0.1	2.1	1461.1	10.8	0.05	0	27
28			0	0			0	0	1474.4	53.1	0.1	2.1	1461.1	10.8	0.05	0	28
29			0	0			0	0	1473.5	49.2	0.1	2.1	1461.2	11.0	0.05	0	29
30			0	0			0	0	1472.6	45.4	0.1	2.1	1461.2	11.0	0.05	0	30
31			0	0					1471.6	41.3	0.1	2.1	1461.2	11.0	0.05	0	31
TOTAL			0	0			0	0			34.3	13.5			1.9	17.2	
Inf. Ac. Ft.			0				0				68.0				3.8	71.8	
Outf. Ac. Ft.				0				0				26.8			34.1	60.9	
Maximum Mean Daily Inflow			0				0				22.2				0.1	22.2	
Minimum Mean Daily Inflow			0				0				0				0.05	0	
Storage Change		0				0				+41.3				-30.3		+11.0	
					NOTE: Gage Heights and Storages as of Midnight on Day Shown											½ Year	

Max. W. S. Elev.	1477.4	feet on 12/25/45	Storage 67.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1445 ±	feet on VARIOUS TIMES	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	GHM APK	9/19/46
Max. Peak Inf.	127	C. F. S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M. on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	GHM APK	9/19/46
Max. Peak Outf.	2.1	C. F. S. from FOR 7 DAYS	on 12/25/45	to on 12/31/45		Hydrographer	Inf. & Outf. comp.	GHM APK	9/26/46

REMARKS

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 88B Revised 300 11/44

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon

On for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 1938 Survey Gage Heights Read at Various Times

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C. F. S. Inflow	FEBRUARY C. F. S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C. F. S. Inflow	MARCH C. F. S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C. F. S. Inflow	APRIL C. F. S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C. F. S. Inflow	MAY C. F. S. Outflow	Day
1	1461.2	11.0	0	0	1462.7	14.0	0	0	1469.7	34.1	1.1	0	1471.8	42.1	0	0	1
2	1461.2	11.0	0	0	1462.7	14.0	(0.05	0	1471.1	39.3	2.6	0	1471.8	42.1	0	0	2
3	1461.7	11.9	0.5	0	1462.7	14.0	0	0	1471.6	41.3	1.0	0	1471.7	41.7	0	0	3
4	1461.7	11.9	(0.05	0	1462.7	14.0	0	0	1471.9	42.5	0.6	0	1471.7	41.7	0	0	4
5	1461.8	12.1	0.05	0	1462.8	14.2	(0.05	0	1472.0	42.9	0.2	0	1471.6	41.3	0	0	5
6	1461.8	12.1	0.05	0	1462.8	14.2	0	0	1472.1	43.3	0.2	0	1471.6	41.3	0	0	6
7	1461.8	12.1	0.05	0	1462.8	14.2	0	0	1472.2	43.7	0.2	0	1471.5	40.9	0	0	7
8	1461.9	12.3	0.05	0	1462.8	14.2	0	0	1472.3	43.7	(0.1	0	1471.5	40.9	0	0	8
9	1461.9	12.3	0.05	0	1462.8	14.2	0	0	1472.3	44.1	0.1	0	1471.4	40.5	0	0	9
10	1462.0	12.5	0.05	0	1462.8	14.2	0	0	1472.3	44.1	0	0	1471.3	40.1	0	0	10
11	1462.0	12.5	0.05	0	1462.8	14.2	0	0	1472.3	44.1	0	0	1471.3	40.1	0	0	11
12	1462.0	12.5	0.05	0	1462.8	14.2	0	0	1472.3	44.1	0	0	1471.2	39.7	0	0	12
13	1462.1	12.7	0	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1471.2	39.7	0	0	13
14	1462.1	12.7	0.05	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1471.1	39.3	0	0	14
15	1462.2	12.9	0.1	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1471.1	39.3	0	0	15
16	1462.2	12.9	0.05	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1471.0	38.9	0	0	16
17	1462.3	13.1	0.05	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1471.0	38.9	0	0	17
18	1462.3	13.1	0.05	0	1462.9	14.4	0	0	1472.3	44.1	0	0	1470.9	38.5	0	0	18
19	1462.3	13.1	0.05	0	1463.0	14.6	(0.05	0	1472.3	44.1	0	0	1470.9	38.5	0	0	19
20	1462.4	13.3	0	0	1463.0	14.6	(0.05	0	1472.2	43.7	0	0	1470.8	38.2	0	0	20
21	1462.4	13.3	0.05	0	1463.0	14.6	0	0	1472.2	43.7	0	0	1470.8	38.2	0	0	21
22	1462.5	13.6	0	0	1463.0	14.6	0	0	1472.2	43.7	0	0	1470.7	37.8	0	0	22
23	1462.5	13.6	0.05	0	1463.0	14.6	0	0	1472.1	43.3	0	0	1470.7	37.8	0	0	23
24	1462.5	13.6	0	0	1463.0	14.6	0	0	1472.1	43.3	0	0	1470.6	37.4	0	0	24
25	1462.6	13.8	0.05	0	1463.0	14.6	0	0	1472.1	43.3	0	0	1470.6	37.4	0	0	25
26	1462.6	13.8	0	0	1463.0	14.6	0	0	1472.0	42.9	0	0	1470.5	37.1	0	0	26
27	1462.6	13.8	0.05	0	1463.0	14.6	0	0	1472.0	42.9	0	0	1470.4	36.7	0	0	27
28	1462.7	14.0	0	0	1463.0	14.6	0	0	1471.9	42.5	0	0	1470.4	36.7	0	0	28
29					1463.0	14.6	0	0	1471.9	42.5	0	0	1470.3	36.3	0	0	29
30					1467.3	26.1	5.8	0	1471.9	42.5	0	0	1470.2	35.9	0	0	30
31					1469.1	32.0	3.0	0					1470.2	35.9	0	0	31
TOTAL			1.5	0			9.1	0			6.1	0			0	0	
Inf. Ac. Ft.			3.0				18.0				12.1				0	10.9	
Outf. Ac. Ft.				0				0			0 + (1.6)			0 + (6.5)		60.9 ±(8.1)	
Maximum Mean Daily Inflow			0.5				5.8				2.6				0	22.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+3.0				+18.0				+10.5				-6.6		+35.9	
					NOTE: Gage Heights and Storages as of Midnight on Day Shown											% Year	

Max. W. S. Elev.	1477.4	feet on 12/25/45	Storage 67.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1445 ±	feet on VARIOUS TIMES	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	GHM APK	9/19/46
Max. Peak Inf.	127	C. F. S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M. on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	GHM APK	9/19/46
Max. Peak Outf.	2.1	C. F. S. from FOR 7 DAYS	on 12/25/45	to on 12/31/45		Hydrographer	Inf. & Outf. comp.	GHM APK	9/26/46

REMARKS

(INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

LIVE OAK (cont'd)

F. C. Dist. Form 86C Revised 5&6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In / On Live Oak Canyon for the Year Ending September 30, 19 46

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1467.0 Ft. as of May, 1938 Survey Gage Heights Read at various times

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1470.1	356	0	0	1445.0		0	0			0	0			0	0	1
2	1470.0	352	0	0			0	0			0	0			0	0	2
3	1469.9	348	0	0			0	0			0	0			0	0	3
4	1469.8	345	0	0			0	0			0	0			0	0	4
5	1469.8	345	0	0			0	0			0	0			0	0	5
6	1469.7	341	0	0			0	0			0	0			0	0	6
7	1469.6	338	0	0			0	0			0	0			0	0	7
8	1469.5	334	0	0			0	0			0	0			0	0	8
9	1469.4	330	0	0			0	0			0	0			0	0	9
10	1469.3	327	0	0			0	0			0	0			0	0	10
11	1468.8	309	0	06			0	0			0	0			0	0	11
12	1467.9	280	0	10			0	0			0	0			0	0	12
13	1467.0	251	0	10			0	0			0	0			0	0	13
14	1466.1	225	0	10			0	0			0	0			0	0	14
15	1465.1	198	0	10			0	0			0	0			0	0	15
16	1464.0	169	0	10			0	0			0	0			0	0	16
17	1463.0	146	0	10			0	0			0	0			0	0	17
18	1461.9	123	0	10			0	0			0	0			0	0	18
19	1460.7	101	0	10			0	0			0	0			0	0	19
20	1459.5	82	0	10			0	0			0	0			0	0	20
21	1458.1	62	0	10			0	0			0	0			0	0	21
22	1456.6	45	0	08			0	0			0	0			0	0	22
23	1454.9	30	0	08			0	0			0	0			0	0	23
24	1452.9	17	0	06			0	0			0	0			0	0	24
25	1450.0	06	0	06			0	0			0	0			0	0	25
26	1445.3		0	03			0	0			0	0			0	0	26
27	1445.0		0	02			0	0			0	0			0	0	27
28	1445.0		0	01			0	0			0	0			0	0	28
29	1445.0		0	0			0	0			0	0			0	0	29
30	1445.0		0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	140			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	1049	
Outf. Ac. Ft.			278 + (81)					0				0			0	88.7+(16.2)	
Maximum Mean Daily Inflow			0				0				0				0	222	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	-359				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Yearly Totals

Max. W. S. Elev.	1477.4	feet on	12/25/45	Storage	67.6	Acre Feet		
Min. W. S. Elev.	1445 ±	feet on	VARIOUS TIMES	Storage	0	Acre Feet		
Max. Peak Inf.	127	C. F. S. from	6:00 A.M.	on	12/23/45	to	7:00 A.M.	on 12/23/45
Max. Peak Outf.	2.1	C. F. S. from	FOR 7 DAYS	on	12/25/45	to		on 12/31/45

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
H. R. WHISLER	Dam Tender	Gage Hts. copied	APK	5/8/47
C. L. BREWSTER	Hydrographer	Storage applied	APK	"
	Hydrographer	Inf. & Outf. comp.		

REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION

F. C. Dist. Form 86A Revised 5&6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In / On Live Oak Canyon for the Year Ending September 30, 19 47

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1467.0 Ft. as of May, 1938 Survey Gage Heights Read at various times

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1445.0		0	0	1445.0		0	0	1466.6	239	(0.05	0	1469.4	330	(0.1	20	1
2			0	0			0	0	1466.5	237	0.05	0	1468.3	293	0.1	20	2
3			0	0			0	0	1466.5	237	0.05	0	1467.0	251	0.05	20	3
4			0	0			0	0	1466.5	237	0.05	0	1465.7	214	0.05	19	4
5			0	0			0	0	1466.4	234	0.05	0	1464.2	174	0.1	19	5
6			0	0			0	0	1466.5	237	0.2	0	1462.5	136	0.05	18	6
7			0	0			0	0	1466.4	234	0.1	0	1460.6	99	0.1	18	7
8			0	0			0	0	1466.4	234	0.1	0	1459.2	77	0.05	12	8
9			0	0			0	0	1466.4	234	0.1	0	1459.4	80	0.1	0	9
10			0	0			0	0	1466.3	231	0.1	0	1459.6	83	0.1	0	10
11			0	0			0	0	1466.3	231	0.05	0	1459.7	85	0.1	0	11
12			0	0			0	0	1466.3	231	0.05	0	1459.8	86	0.1	0	12
13			0	0			0.1	0	1466.3	231	0.05	0	1460.0	89	0.1	0	13
14	Reservoir Dry	No Storage	0	0			0.1	0	1466.3	231	0.05	0	1460.1	91	0.1	0	14
15			0	0			0	0	1466.2	228	0.05	0	1460.1	91	0.1	0	15
16			0	0			0	0	1466.2	228	0.05	0	1460.2	92	0.1	0	16
17			0	0			0	0	1466.2	228	0.05	0	1460.3	94	0.1	0	17
18			0	0			0	0	1466.2	228	0.05	0	1460.4	96	0.1	0	18
19			0	0	1445.0	0	0	0	1466.2	228	0.05	0	1460.4	96	0.1	0	19
20			0	0	1463.0	146	7.5	0	1466.1	225	0.05	0	1460.5	98	0.1	0	20
21			0	0	1463.0	146	0.1	0	1466.1	225	0.05	0	1460.6	99	0.1	0	21
22			0	0	1462.9	144	0	0	1466.1	225	0.05	0	1460.6	99	0.1	0	22
23			0	0	1465.4	206	3.2	0	1466.1	225	0.05	0	1460.7	101	0.1	0	23
24			0	0	1466.3	231	1.3	0	1466.1	225	0.2	0	1460.7	101	0.1	0	24
25			0	0	1466.6	239	(0.6	0	1466.5	237	0.7	0	1460.7	101	0.1	0	25
26			0	0	1466.6	239	0.2	0	1469.6	338	5.2	0	1460.8	103	0.1	0	26
27			0	0	1466.7	242	0.1	0	1470.7	378	2.1	0	1460.8	103	0.1	0	27
28			0	0	1466.6	239	0.1	0	1471.4	405	1.5	0	1461.1	108	0.1	0	28
29			0	0	1466.6	239	0.05	0	1471.9	425	1.1	0	1461.1	108	0.1	0	29
30			0	0	1466.6	239	0.05	0	1471.4	405	0.5	1.4	1461.2	110	0.1	0	30
31			0	0					1470.5	371	0.5	2.1	1461.2	110	0.1	0	31
TOTAL			0	0			13.4	0			13.3	3.5			2.9	14.6	
Inf. Ac. Ft.			0				26.6				26.4				5.8	58.8	
Outf. Ac. Ft.				0			0 + (2.8)				5.9 + (6.1)				29.0 + (3.0)	35.9+(11.9)	
Maximum Mean Daily Inflow			0				7.5				5.2				0.1	7.5	
Minimum Mean Daily Inflow			0				0				0.05				0.05	0	
Storage Change		0				+ 23.9				+ 13.2				- 26.1		+ 11.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

½ Year

Max. W. S. Elev.	1472.0	feet on	12/30/46	Storage	42.9	Acre Feet		
Min. W. S. Elev.	1445 ±	feet on	PART OF YEAR	Storage	0	Acre Feet		
Max. Peak Inf.	25.4	C. F. S. from	11:00 A.M.	on	11/20/46	to	1:00 P.M.	on 11/20/46
Max. Peak Outf.	2.1	C. F. S. from		on	12/30/46	to		on

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
H. R. WHISLER	Dam Tender	Gage Hts. copied	JHL APK	10/22/47
C. L. BREWSTER	Hydrographer	Storage applied	JHL APK	"
	Hydrographer	Inf. & Outf. comp.	JHL APK	10/24/47

REMARKS { INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

LIVE OAK (cont'd)

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon On for the Year Ending September 30, 19 47

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 19 38 Survey Gage Heights Read at various times

Day	FEBRUARY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MARCH Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	APRIL Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	MAY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1461.3	112	[0.1	0	1462.0	125	[0.05	0	1461.9	123	0	0	1460.8	103	0	0	1
2	1461.4	114	0.1	0	1462.0	125	0	0	1461.9	123	0	0	1460.7	101	0	0	2
3	1461.4	114	0.05	0	1462.0	125	0	0	1461.9	123	0	0	1460.7	101	0	0	3
4	1461.5	116	0.05	0	1462.0	125	0.05	0	1461.9	123	0	0	1460.6	99	0	0	4
5	1461.5	116	0.05	0	1462.1	127	0.05	0	1461.8	121	0	0	1460.5	98	0	0	5
6	1461.6	117	0.1	0	1462.1	127	0.05	0	1461.8	121	0	0	1460.5	98	0	0	6
7	1461.6	117	0.05	0	1462.1	127	0.05	0	1461.8	121	0	0	1460.4	96	0	0	7
8	1461.7	119	0.05	0	1462.1	127	0.05	0	1461.7	119	0	0	1460.4	96	0	0	8
9	1461.7	119	0.05	0	1462.1	127	0.05	0	1461.7	119	0	0	1460.3	94	0	0	9
10	1461.8	121	0.1	0	1462.1	127	0.05	0	1461.7	119	0	0	1460.2	92	0	0	10
11	1461.8	121	0.05	0	1462.1	127	0.05	0	1461.6	117	0	0	1460.1	91	0	0	11
12	1461.8	121	0.05	0	1462.1	127	0.05	0	1461.6	117	0	0	1459.2	77	0	0.7	12
13	1461.8	121	0.05	0	1462.0	125	0.05	0	1461.6	117	0	0	1457.6	56	0	1.0	13
14	1461.9	123	0.05	0	1462.0	125	0.05	0	1461.5	116	0	0	1455.8	37	0	0.9	14
15	1461.9	123	0.05	0	1462.0	125	0.05	0	1461.5	116	0	0	1453.6	21	0	0.8	15
16	1461.9	123	0.05	0	1462.0	125	0.05	0	1461.5	116	0	0	1450.7	08	0	0.7	16
17	1462.0	125	0.05	0	1462.0	125	0	0	1461.4	114	0	0	1445.3		0	0.3	17
18	1462.0	125	0.05	0	1462.0	125	0	0	1461.4	114	0	0	1445.3		0	0	18
19	1462.0	125	0.05	0	1462.0	125	0	0	1461.3	112	0	0			0	0	19
20	1462.0	125	0.05	0	1462.0	125	0.05	0	1461.3	112	0	0			0	0	20
21	1462.0	125	0.05	0	1462.0	125	0.05	0	1461.3	112	0	0			0	0	21
22	1462.0	125	0.05	0	1462.0	125	0	0	1461.2	110	0	0			0	0	22
23	1462.0	125	0.05	0	1462.0	125	0	0	1461.2	110	0	0			0	0	23
24	1462.0	125	0.05	0	1461.9	123	0	0	1461.1	108	0	0			0	0	24
25	1462.0	125	0.05	0	1461.9	123	0	0	1461.1	108	0	0			0	0	25
26	1462.0	125	0.05	0	1461.9	123	0	0	1461.0	106	0	0			0	0	26
27	1462.0	125	0.05	0	1461.9	123	0	0	1461.0	106	0	0			0	0	27
28	1462.0	125	[0.05	0	1461.9	123	0	0	1460.9	106	0	0			0	0	28
29					1461.9	123	0	0	1460.8	104	0	0			0	0	29
30					1461.9	123	0	0		103	0	0			0	0	30
31					1461.9	123	[0.8	0							0	0	31
TOTAL			1.6	0			0.8	0			0	0			0	4.4	
Inf. Ac. Ft.			3.2				1.6				0				0	6.3.6	
Outf. Ac. Ft.			0 + (1.6)				0 + (1.8)				0 + (2.0)				8.7 + (1.6)	44.6+(18.9)	
Maximum Mean Daily Inflow			0.1				0.05				0				0	7.5	
Minimum Mean Daily Inflow			0.05				0				0				0	0	
Storage Change		+ 1.5				− 0.2				− 2.0				− 10.3		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ℄ Year

Max. W. S. Elev.	1472.0	feet	on 12/30/46	Storage	42.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1445 ±	feet	on PART OF YEAR	Storage	0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	JHL APK 10/22/47
Max. Peak Inf.	25.4	C. F. S. from	11:00 A.M. on	11/20/46	to 1:00 PM	on 11/20/46	C. L. BREWSTER	Hydrographer	Storage applied	JHL APK "
Max. Peak Outf.	2.1	C. F. S. from		on 12/30/46	to	on		Hydrographer	Inf. & Outf. comp.	JHL APK 10/24/47

REMARKS ℄ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon On for the Year Ending September 30, 19 47

Continuous Water Stage Recorder Au

Drainage Area 2.30 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 19 38 Survey Gage Heights Read at various times.

Day	JUNE Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	JULY Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1445.0		0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	6.3.6	
Outf. Ac. Ft.				0				0				0			0	44.6+(18.9)	
Maximum Mean Daily Inflow			0				0				0				0	7.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

Storage Negligible — Reservoir Dry — No Storage — Reservoir Dry — No Storage — Reservoir Dry — No Storage

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1472.0	feet	on 12/30/46	Storage	42.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1445 ±	feet	on PART OF YEAR	Storage	0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	JHL APK 10/22/47
Max. Peak Inf.	25.4	C. F. S. from	11:00 A.M. on	11/20/46	to 1:00 P.M.	on 11/20/46	C. L. BREWSTER	Hydrographer	Storage applied	JHL APK 10/22/47
Max. Peak Outf.	2.1	C. F. S. from		on 12/30/46	to	on		Hydrographer	Inf. & Outf. comp.	JHL APK 10/24/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 96A Revised 906 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek On for the Year Ending September 30, 1946

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January 1943 Survey Gage Heights Read at various times

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1			0	0			0	0			0	0	1598.6	76.8	0	0	1
2			0	0			0	0			0	0	1598.4	75.6	0	0	2
3			0	0			0	0			0	0	1598.1	73.7	0	0	3
4			0	0			0	0			0	0	1597.9	72.5	0	0	4
5			0	0			0	0			0	0	1597.7	71.3	0	0	5
6			0	0			0	0			0	0	1597.5	70.1	0	0	6
7			0	0			0	0			0	0	1597.2	68.3	0	0	7
8			0	0			0	0			0	0	1597.0	67.1	0	0	8
9			0	0			0	0			0	0	1596.7	65.4	0	0	9
10			0	0			0	0			0	0	1596.5	64.2	0	0	10
11			0	0			0	0			0	0	1596.2	62.5	0	0	11
12			0	0			0	0			0	0	1596.0	61.3	0	0	12
13	Reservoir Dry		0	0	Reservoir Dry		0	0	Reservoir Dry		0	0	1595.8	60.2	0	0	13
14		No Storage	0	0		No Storage	0	0		No Storage	0	0	1595.5	58.5	0	0	14
15			0	0			0	0			0	0	1595.2	56.8	0	0	15
16			0	0			0	0			0	0	1595.0	55.7	0	0	16
17			0	0			0	0			0	0	1594.8	54.6	0	0	17
18			0	0			0	0			0	0	1594.6	53.5	0	0	18
19			0	0			0	0			0	0	1594.3	51.9	0	0	19
20			0	0			0	0			0	0	1594.1	50.8	0	0	20
21			0	0			0	0	1573.8	0.04	0.7	0	1593.9	49.8	0	0	21
22			0	0			0	0	1593.5	47.7	25.0	0	1593.7	48.7	0	0	22
23			0	0			0	0	1600.2	87.0	21.0	0	1593.4	47.2	0	0	23
24			0	0			0	0	1600.6	89.7	1.3	0	1593.2	46.1	0	0	24
25			0	0			0	0	1600.4	88.3	0.2	0	1593.0	45.1	0	0	25
26			0	0			0	0	1600.1	86.4	0	0	1592.8	44.1	0	0	26
27			0	0			0	0	1599.8	84.4	0	0	1592.6	43.1	0	0	27
28			0	0			0	0	1599.6	83.1	0	0	1592.4	42.2	0	0	28
29			0	0			0	0	1599.3	81.2	0	0	1592.2	41.2	0	0	29
30			0	0			0	0	1599.1	79.9	0	0	1592.1	40.7	0	0	30
31			0	0					1598.9	78.7	0	0	1592.0	40.2	0	0	31
TOTAL			0	0			0	0			48.2	0			0	0	
Inf. Ac. Ft.			0				0				95.6				0		95.6
Outf. Ac. Ft.				0				0			0 + (16.9)			0 + (38.5)		0 + (55.4)	
Maximum Mean Daily Inflow			0				0				25.0				0		25.0
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		0				0				+ 78.7				- 38.5			+ 40.2

NOTE: Gage Heights and Storages as of Midnight on Day Shown ½ Year

Max. W. S. Elev.	1600.6	feet	on 12/24/45	Storage 89.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1573.0	feet	on PART OF YEAR	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	FHM JHL 8/5/47
Max. Peak Inf.	120 ±	C. F. S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	FHM JHL "
Max. Peak Outf.	0	C. F. S. from FOR THE WATER	on YEAR	to	on		Hydrographer	Inf. & Outf. comp.	FHM JHL "

REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION
{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

F. C. Dist. Form 96B Revised 906 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek On for the Year Ending September 30, 1946

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January 1943 Survey Gage Heights Read at various times

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C.F.S. Inflow	FEBRUARY C.F.S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C.F.S. Inflow	MARCH C.F.S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C.F.S. Inflow	APRIL C.F.S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C.F.S. Inflow	MAY C.F.S. Outflow	Day
1	1591.9	39.7	0	0	1587.4	21.1	0	0	1589.9	30.7	2.2	0	1588.6	25.4	0	0	1
2	1591.8	39.3	0	0	1587.2	20.4	0	0	1591.0	35.5	3.0	0	1588.4	24.6	0	0	2
3	1591.7	38.8	1.0	0	1587.0	19.7	0	0	1591.6	38.3	2.0	0	1588.2	23.9	0	0	3
4	1591.6	38.3	0.5	0	1586.9	19.4	0	0	1591.8	39.3	1.1	0	1588.0	23.1	0	0	4
5	1591.5	37.8	0	0	1586.8	19.1	0	0	1591.9	39.7	0.9	0	1587.9	22.8	0	0	5
6	1591.4	37.4	0	0	1586.7	18.7	0	0	1591.9	39.7	0.6	0	1587.7	22.1	0	0	6
7	1591.2	36.4	0	0	1586.5	18.1	0	0	1591.9	39.7	0.6	0	1587.5	21.4	0	0	7
8	1591.0	35.5	0	0	1586.4	17.8	0	0	1591.9	39.7	0.6	0	1587.4	21.1	0	0	8
9	1590.8	34.6	0	0	1586.2	17.1	0	0	1591.8	39.3	0.4	0	1587.2	20.4	0	0	9
10	1590.5	33.3	0	0	1586.1	16.8	0	0	1591.7	38.8	0.3	0	1587.1	20.0	0	0	10
11	1590.3	32.4	0	0	1585.9	16.2	0	0	1591.6	38.3	0.3	0	1586.9	19.4	0	0	11
12	1590.2	32.0	0	0	1585.8	15.9	0	0	1591.5	37.8	0.3	0	1586.8	19.1	0	0	12
13	1590.0	31.1	0	0	1585.7	15.7	0.2	0	1591.4	37.4	0.2	0	1586.6	18.4	0	0	13
14	1589.9	30.7	0	0	1585.5	15.1	0	0	1591.3	36.9	0.2	0	1586.5	18.1	0	0	14
15	1589.7	29.8	0	0	1585.4	14.8	0	0	1591.1	36.0	0.1	0	1586.3	17.5	0	0	15
16	1589.5	29.0	0	0	1585.3	14.5	0	0	1591.0	35.5	0	0	1586.2	17.1	0	0	16
17	1589.4	28.6	0	0	1585.2	14.3	0	0	1590.9	35.1	0	0	1586.0	16.5	0	0	17
18	1589.2	27.7	0	0	1585.0	13.7	0	0	1590.7	34.2	0	0	1585.9	16.2	0	0	18
19	1589.0	26.9	0	0	1584.9	13.4	0.5	0	1590.6	33.7	0	0	1585.7	15.7	0	0	19
20	1588.9	26.5	0	0	1584.8	13.2	0.6	0	1590.4	32.9	0	0	1585.6	15.4	0	0	20
21	1588.7	25.8	0	0	1584.6	12.7	0.2	0	1590.3	32.4	0	0	1585.4	14.8	0	0	21
22	1588.6	25.4	0	0	1584.5	12.4	0	0	1590.1	31.5	0	0	1585.3	14.5	0	0	22
23	1588.4	24.6	0	0	1584.4	12.1	0	0	1590.0	31.1	0	0	1585.1	14.0	0	0	23
24	1588.3	24.2	0	0	1584.2	11.6	0	0	1589.8	30.3	0	0	1585.0	13.7	0	0	24
25	1588.1	23.5	0	0	1584.1	11.4	0	0	1589.6	29.4	0	0	1584.8	13.2	0	0	25
26	1588.0	23.1	0	0	1584.0	11.1	0	0	1589.4	28.6	0	0	1584.6	12.7	0	0	26
27	1587.8	22.4	0	0	1583.8	10.6	0	0	1589.2	27.7	0	0	1584.5	12.4	0	0	27
28	1587.6	21.7	0	0	1583.8	10.6	3.0	0	1589.1	27.3	0	0	1584.3	11.9	0	0	28
29					1583.8	10.6	1.5	0	1588.9	26.5	0	0	1584.1	11.4	0	0	29
30					1587.4	21.1	3.0	0	1588.7	25.8	0	0	1584.0	11.1	0	0	30
31					1589.1	27.3	3.0	0					1583.9	10.9	0	0	31
TOTAL			1.5	0			12.0	0			12.8	0			0	0	
Inf. Ac. Ft.			3.0				23.8				25.4				0		147.8
Outf. Ac. Ft.			0 + (21.4)				0 + (18.2)				0 + (27.0)			0 + (14.9)		0 + (136.9)	
Maximum Mean Daily Inflow			1.0				3.0				3.0				0		25.0
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change		-18.5				+ 5.6				- 1.5				-14.9			+ 10.9

NOTE: Gage Heights and Storages as of Midnight on Day Shown ½ Year

Max. W. S. Elev.	1600.6	feet	on 12/24/45	Storage 89.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1573.0	feet	on PART OF YEAR	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	FHM JHL 8/6/47
Max. Peak Inf.	120 ±	C. F. S. from 6:00 A.M.	on 12/23/45	to 7:00 A.M.	on 12/23/45	C. L. BREWSTER	Hydrographer	Storage applied	FHM JHL "
Max. Peak Outf.	0	C. F. S. from FOR THE WATER	on YEAR	to	on		Hydrographer	Inf. & Outf. comp.	FHM JHL "

REMARKS ( ) INDICATES TOTAL LOSS DUE TO EVAPORATION AND PERCOLATION
{ INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS

THOMPSON CREEK (cont'd)

F. C. Dist. Form 69C Revised 500 11/44

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1946

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.6 Ft. as of January, 1943 Survey Gage Heights Read at various times

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1	1583.7	10.4	0	0	1579.3	2.7	0	0	1575.0	0.2	0	0			0	0	1
2	1583.5	9.9	0	0	1579.1	2.4	0	0	1575.0	0.2	0	0			0	0	2
3	1583.4	9.7	0	0	1579.0	2.3	0	0	1574.9	0.2	0	0			0	0	3
4	1583.3	9.4	0	0	1578.8	2.1	0	0	1574.8	0.2	0	0			0	0	4
5	1583.2	9.2	0	0	1578.7	2.1	0	0	1574.7	0.2	0	0			0	0	5
6	1583.0	8.7	0	0	1578.6	2.0	0	0	1574.6	0.1	0	0			0	0	6
7	1582.8	8.3	0	0	1578.4	1.8	0	0	1574.5	0.1	0	0			0	0	7
8	1582.6	7.9	0	0	1578.3	1.7	0	0	1574.4	0.1	0	0			0	0	8
9	1582.4	7.5	0	0	1578.2	1.7	0	0	1574.3	0.1	0	0			0	0	9
10	1582.2	7.1	0	0	1578.0	1.5	0	0	1574.2	0.1	0	0			0	0	10
11	1582.1	6.9	0	0	1577.9	1.4	0	0	1574.1	0.1	0	0			0	0	11
12	1582.0	6.7	0	0	1577.7	1.3	0	0	1574.0	0.1	0	0			0	0	12
13	1581.8	6.3	0	0	1577.6	1.3	0	0			0	0			0	0	13
14	1581.7	6.2	0	0	1577.4	1.1	0	0			0	0			0	0	14
15	1581.6	6.0	0	0	1577.3	1.1	0	0			0	0			0	0	15
16	1581.4	5.6	0	0	1577.1	1.0	0	0			0	0			0	0	16
17	1581.3	5.4	0	0	1577.0	0.9	0	0			0	0			0	0	17
18	1581.2	5.3	0	0	1576.8	0.8	0	0			0	0			0	0	18
19	1581.0	4.9	0	0	1576.6	0.7	0	0			0	0			0	0	19
20	1580.9	4.8	0	0	1576.4	0.7	0	0			0	0			0	0	20
21	1580.8	4.6	0	0	1576.3	0.6	0	0			0	0			0	0	21
22	1580.6	4.3	0	0	1576.1	0.5	0	0			0	0			0	0	22
23	1580.5	4.2	0	0	1576.0	0.5	0	0			0	0			0	0	23
24	1580.4	4.1	0	0	1575.8	0.4	0	0			0	0			0	0	24
25	1580.2	3.8	0	0	1575.7	0.4	0	0			0	0			0	0	25
26	1580.1	3.6	0	0	1575.5	0.4	0	0			0	0			0	0	26
27	1579.9	3.4	0	0	1575.4	0.3	0	0			0	0			0	0	27
28	1579.8	3.3	0	0	1575.3	0.3	0	0			0	0			0	0	28
29	1579.6	3.0	0	0	1575.3	0.3	0	0			0	0			0	0	29
30	1579.4	2.8	0	0	1575.2	0.3	0	0			0	0			0	0	30
31					1575.1	0.2	0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	147.8	
Outf. Ac. Ft.			0	+ (8.1)			0	+ (2.6)			0	+ (0.2)			0	0 + (147.8)	
Maximum Mean Daily Inflow			0				0				0				0	25.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		−8.1				−2.6				−0.2				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1600.6	feet on 12/24/45	Storage 89.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1573.0	feet on PART OF YEAR	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied FHM JHL 8/6/47
Max. Peak Inf.	120±	C. F. S. from 6:00 A.M. on 12/23/45	to 7:00 A.M. on	12/23/45	C. L. BREWSTER	Hydrographer	Storage applied FHM JHL 8/6/47
Max. Peak Outf.	0	C. F. S. from FOR THE WATER on YEAR	to	on		Hydrographer	Inf. & Outf. comp. FHM JHL 8/6/47

REMARKS ( ) INDICATES LOSS DUE TO EVAPORATION AND PERCOLATION

F. C. Dist. Form 69A Revised 500 11/44

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1947

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.6 Ft. as of January, 1943 Survey Gage Heights Read at various times

Day	OCTOBER Gage Height	OCTOBER Acre Ft. Storage	OCTOBER C.F.S. Inflow	OCTOBER C.F.S. Outflow	NOVEMBER Gage Height	NOVEMBER Acre Ft. Storage	NOVEMBER C.F.S. Inflow	NOVEMBER C.F.S. Outflow	DECEMBER Gage Height	DECEMBER Acre Ft. Storage	DECEMBER C.F.S. Inflow	DECEMBER C.F.S. Outflow	JANUARY Gage Height	JANUARY Acre Ft. Storage	JANUARY C.F.S. Inflow	JANUARY C.F.S. Outflow	Day
1	1573		0	0	1573		0	0	1591.1	36.0	[0.4	0	1590.5	33.3	0.4	0	1
2			0	0			0	0	1590.9	35.1	0.3	0	1590.4	32.9	0.3	0	2
3			0	0			0	0	1590.8	34.6	0.3	0	1590.3	32.4	0.2	0	3
4			0	0			0	0	1590.7	34.2	0.1	0	1590.2	32.0	0.2	0	4
5			0	0			0	0	1590.5	33.3	0	0	1590.1	31.5	0.1	0	5
6			0	0			0	0	1590.4	32.9	0.3	0	1590.0	31.1	0.05	0	6
7			0	0			0	0	1590.2	32.0	0.1	0	1590.0	31.1	0.05	0	7
8			0	0			0	0	1590.0	31.1	0.1	0	1589.9	30.7	0.05	0	8
9			0	0			0	0	1589.9	30.7	0	0	1589.8	30.3	0.05	0	9
10			0	0			0	0	1589.8	30.3	0	0	1589.7	29.8	0.05	0	10
11			0	0	1573.7	0.04	0.7	0	1589.7	29.8	0	0	1589.6	29.4	0.05	0	11
12			0	0	1573.9	0.05	0.7	0	1589.6	29.4	0	0	1589.5	29.0	0.05	0	12
13		Dry	0	0	1579.8	3.3	2.3	0	1589.4	28.6	0	0	1589.4	28.6	0.05	0	13
14			0	0	1580.2	3.8	0.6	0	1589.3	28.2	0	0	1589.2	27.7	0.05	0	14
15		Storage	0	0	1579.7	3.1	0.3	0	1589.1	27.3	0	0	1589.1	27.3	0.05	0	15
16			0	0	1579.1	2.4	0	0	1588.9	26.5	0	0	1589.0	26.9	0.05	0	16
17		No	0	0	1578.4	1.8	0	0	1588.7	25.8	0	0	1588.9	26.5	0.05	0	17
18			0	0	1577.8	1.4	0	0	1588.6	25.4	0	0	1588.7	25.8	0.05	0	18
19			0	0	1577.2	1.0	0	0	1588.4	24.6	0	0	1588.6	25.4	0.05	0	19
20		Reservoir	0	0	1589.8	30.3	15.8	0	1588.3	24.2	0	0	1588.5	25.0	0	0	20
21			0	0	1590.0	31.1	1.6	0	1588.2	23.9	0	0	1588.3	24.2	0	0	21
22			0	0	1589.9	30.7	0.8	0	1588.1	23.5	0	0	1588.1	23.5	0	0	22
23			0	0	1591.0	35.5	3.4	0	1587.8	22.4	0	0	1588.0	23.1	0	0	23
24			0	0	1591.7	38.8	2.7	0	1587.6	21.7	0.1	0	1587.9	22.8	0	0	24
25			0	0	1591.7	38.8	[0.9	0	1587.8	22.4	0.6	0	1587.7	22.1	0	0	25
26			0	0	1591.6	38.3	0.5	0	1589.0	26.9	2.6	0	1587.6	21.7	0	0	26
27			0	0	1591.6	38.3	0.5	0	1589.8	30.3	2.0	0	1587.5	21.4	0	0	27
28			0	0	1591.4	37.4	0.4	0	1590.0	31.1	[1.2	0	1587.4	21.1	0.1	0	28
29			0	0	1591.3	36.9	0.4	0	1590.2	32.0	0.8	0	1587.3	20.7	0.1	0	29
30			0	0	1591.2	36.4	[0.4	0	1590.5	33.3	0.5	0	1587.1	20.0	0.05	0	30
31			0	0					1590.6	33.7	[0.4	0	1587.0	19.7	0.05	0	31
TOTAL			0	0			32.2	0			9.8	0			2.20	0	
Inf. Ac. Ft.			0				63.9				19.4				4.4	87.7	
Outf. Ac. Ft.			0	0			0	+ (27.4)			0	+ (22.2)			0 + (18.4)	0 + (68.0)	
Maximum Mean Daily Inflow		0					15.8				2.6				0.4	15.8	
Minimum Mean Daily Inflow		0					0				0				0	0	
Storage Change	0					+36.4				−2.7				−14.0		+19.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1591.7	feet on 11/24 TO 26/46	Storage 38.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS ckd. Date
Min. W. S. Elev.	1573 ±	feet on PART OF YEAR	Storage 0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied JHL APK 11/17/47
Max. Peak Inf.	47.2	C. F. S. from 12:00 NOON on 11/20/46	to 1:00 P.M. on	11/20/46	C. L. BREWSTER	Hydrographer	Storage applied JHL APK 11/17/47
Max. Peak Outf.	0	C. F. S. from on	to on			Hydrographer	Inf. & Outf. comp. JHL APK 11/17/47

REMARKS [INDICATES TOTAL FOR PERIOD OR PRORATED DAILY AMOUNTS
( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 88B Revised 300 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In On Thompson Creek for the Year Ending September 30, 1947

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January 1943 Survey Gage Heights Read at various times

Day	FEBRUARY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	MARCH Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	APRIL Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	MAY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Day
1	1586.9	19.4	0	0	1583.3	9.4	0	0	1579.3	2.7	0	0			0	0	1
2	1586.7	18.7	0	0	1583.1	8.9	0	0	1579.2	2.5	0	0			0	0	2
3	1586.6	18.4	0	0	1583.0	8.7	0	0	1579.0	2.3	0	0			0	0	3
4	1586.4	17.8	0	0	1582.8	8.3	0	0	1578.9	2.2	0	0			0	0	4
5	1586.3	17.5	0	0	1582.7	8.1	0	0	1578.7	2.1	0	0			0	0	5
6	1586.1	16.8	0	0	1582.6	7.9	0	0	1578.6	2.0	0	0			0	0	6
7	1586.0	16.5	0	0	1582.5	7.7	0	0	1578.4	1.8	0	0			0	0	7
8	1585.9	16.2	0	0	1582.3	7.3	0	0	1578.3	1.7	0	0			0	0	8
9	1585.7	15.7	0	0	1582.2	7.1	0	0	1578.2	1.7	0	0			0	0	9
10	1585.6	15.4	0	0	1582.1	6.9	0	0	1578.0	1.5	0	0			0	0	10
11	1585.5	15.1	0	0	1582.0	6.7	0	0	1577.9	1.4	0	0			0	0	11
12	1585.4	14.8	0	0	1581.8	6.3	0	0	1577.7	1.3	0	0			0	0	12
13	1585.3	14.5	0	0	1581.7	6.2	0	0	1577.6	1.3	0	0			0	0	13
14	1585.2	14.3	0	0	1581.5	5.8	0	0	1577.4	1.1	0	0			0	0	14
15	1585.1	14.0	0	0	1581.3	5.4	0	0	1577.2	1.0	0	0			0	0	15
16	1585.0	13.7	0	0	1581.2	5.3	0	0	1577.1	1.0	0	0			0	0	16
17	1584.9	13.4	0	0	1581.1	5.1	0	0	1577.0	0.9	0	0			0	0	17
18	1584.8	13.2	0	0	1581.0	4.9	0	0	1576.9	0.9	0	0			0	0	18
19	1584.6	12.7	0	0	1580.9	4.8	0	0	1576.8	0.8	0	0			0	0	19
20	1584.5	12.4	0	0	1580.8	4.6	0	0	1576.7	0.8	0	0			0	0	20
21	1584.4	12.1	0	0	1580.7	4.5	0	0	1576.6	0.7	0	0			0	0	21
22	1584.2	11.6	0	0	1580.6	4.3	0	0	1576.5	0.7	0	0			0	0	22
23	1584.1	11.4	0	0	1580.5	4.2	0	0	1576.4	0.7	0	0			0	0	23
24	1584.0	11.1	0	0	1580.4	4.1	0	0	1576.3	0.6	0	0			0	0	24
25	1583.8	10.6	0	0	1580.3	3.9	0	0	1576.1	0.5	0	0			0	0	25
26	1583.7	10.4	0	0	1580.1	3.6	0	0	1576.0	0.5	0	0			0	0	26
27	1583.5	9.9	0	0	1580.0	3.5	0	0	1575.8	0.4	0	0			0	0	27
28	1583.4	9.7	0	0	1579.9	3.4	0	0	1575.7	0.4	0	0			0	0	28
29					1579.7	3.1	0	0	1575.5	0.4	0	0			0	0	29
30					1579.6	3.0	0	0	1575.3	0.3	0	0			0	0	30
31					1579.5	2.9	0	0							0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		87.7
Outf. Ac. Ft.			0	+ (10.0)			0	+ (6.8)			0	+ (2.6)		0 +	(0.3)	0 + (87.7)	
Maximum Mean Daily Inflow			0				0				0				0		15.8
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change	-10.0				-6.8				-2.6				-0.3				0

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ½ Year

Max. W. S. Elev.	1591.7	feet	on	11/24 TO 26/46	Storage	38.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1573 ±	feet	on	PART OF YEAR	Storage	0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	JHL	APK 11/17/47
Max. Peak Inf.	47.2	C. F. S. from	12:00 NOON	on	11/20/46	to	1:00 P.M.	on	11/20/46	C. L. BREWSTER	Hydrographer	Storage applied JHL APK 11/17/47
Max. Peak Outf.	0	C. F. S. from		on		to		on			Hydrographer	Inf. & Outf. comp. JHL APK 11/17/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

F. C. Dist. Form 88C Revised 300 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In On Thompson Creek for the Year Ending September 30, 1947

Continuous Water Stage Recorder None

Drainage Area 3.5 Square Miles. Capacity of Reservoir 612.3 Ac. Ft. at Spillway Elev. 1634.8 Ft. as of January 1943 Survey Gage Heights Read at various times

Day	JUNE Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	JULY Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	AUGUST Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	SEPTEMBER Gage Height	Acre Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Day
1	1573		0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		87.7
Outf. Ac. Ft.				0				0				0			0	0 + (87.7)	
Maximum Mean Daily Inflow			0				0				0				0		15.8
Minimum Mean Daily Inflow			0				0				0				0		0
Storage Change	0				0				0				0				0

Reservoir Dry — No Storage

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	1591.7	feet	on	11/24 TO 26/46	Storage	38.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1573 ±	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	H. R. WHISLER	Dam Tender	Gage Hts. copied	JHL	APK 11/17/47
Max. Peak Inf.	47.2	C. F. S. from	12:00 NOON	on	11/20/46	to	1:00 P.M.	on	11/20/46	C. L. BREWSTER	Hydrographer	Storage applied JHL APK 11/17/47
Max. Peak Outf.	0	C. F. S. from	FOR THE WATER	on	YEAR	to		on			Hydrographer	Inf. & Outf. comp. JHL APK 11/17/47

REMARKS ( ) INDICATES LOSSES DUE TO PERCOLATION AND EVAPORATION

HAMILTON BOWL (cont'd)

F. C. Dist. Form 68B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach, California for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.0 Ft. as of July 31, 1947 Survey Gage Heights Read daily

Day	FEBRUARY Gage Height	FEBRUARY Acre Ft. Storage	FEBRUARY C.F.S. Inflow	FEBRUARY C.F.S. Outflow	MARCH Gage Height	MARCH Acre Ft. Storage	MARCH C.F.S. Inflow	MARCH C.F.S. Outflow	APRIL Gage Height	APRIL Acre Ft. Storage	APRIL C.F.S. Inflow	APRIL C.F.S. Outflow	MAY Gage Height	MAY Acre Ft. Storage	MAY C.F.S. Inflow	MAY C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0	6.3	1.4	0.7	0			0	0			0	0	3
4	Reservoir Empty	Ponded water in well	0	0			0.2	0.9			0	0			0	0	4
5			0	0			14.7	14.7			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9	4.6	0.4	3.8	3.6			0	0			0	0			0	0	9
10			0.3	0.5			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12	Res. Empty	Ponded water in well	0	0	Reservoir Empty	Ponded water in well	0	0	Reservoir Empty	Ponded water in well	0	0	Reservoir Empty	No Storage	0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17	4.5	0.4	2.9	2.7			0	0			0	0			0	0	17
18			0	0.2			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0.5	0.5			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22	Reservoir Empty	Ponded water in well	0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0	5.6	0.9	0.5	0			0	0			0	0	27
28			0	0			0.7	1.2			0	0			0	0	28
29							0	0			0	0			0	0	29
30							0	0			0	0			0	0	30
31							0	0							0	0	31
TOTAL			7.0	7.0			17.3	17.3			0	0			0	0	
Inf. Ac. Ft.			13.9				34.3				0				0	646.7	
Outf. Ac. Ft.				13.9				34.3				0			0	646.7	
Maximum Mean Daily Inflow			3.8				14.7				0				0	135.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0			0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — ¾ Year

Max. W. S. Elev.	19.4	feet	on 11/13/46	Storage 237.0	Acre Feet			
Min. W. S. Elev.	1.8	feet	on MOST OF YEAR	Storage 0	Acre Feet			
Max. Peak Inf.	652	C. F. S. from	3:00 P.M.	on 11/12/46	to 4:00 P.M.	on 11/12/46		
Max. Peak Outf.	58.5	C. F. S. from	9:15 P.M.	on 11/14/46	to 9:30 P.M.	on 11/14/46		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J. C. VIDMAR	Dam Tender	Gage Hts. copied	JHL FS	10/8/47
E. S. BONADIMAN	Hydrographer	Storage applied	JHL FS	"
	Hydrographer	Inf. & Outf. comp.	JHL FS	10/10/47

REMARKS

F. C. Dist. Form 68C Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach, California for the Year Ending September 30, 1947

On

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.0 Ft. as of July 31, 1947 Survey Gage Heights Read daily

Day	JUNE Gage Height	JUNE Acre Ft. Storage	JUNE C.F.S. Inflow	JUNE C.F.S. Outflow	JULY Gage Height	JULY Acre Ft. Storage	JULY C.F.S. Inflow	JULY C.F.S. Outflow	AUGUST Gage Height	AUGUST Acre Ft. Storage	AUGUST C.F.S. Inflow	AUGUST C.F.S. Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre Ft. Storage	SEPTEMBER C.F.S. Inflow	SEPTEMBER C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11	Reservoir Empty	No Storage	0	0	Reservoir Empty	No Storage	0	0	Reservoir Empty	No Storage	0	0	Reservoir Empty	No Storage	0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	646.7	
Outf. Ac. Ft.				0				0				0			0	646.7	
Maximum Mean Daily Inflow			0				0				0				0	135.5	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0			0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown — Yearly Totals

Max. W. S. Elev.	19.4	feet	on 11/13/46	Storage 237.0	Acre Feet			
Min. W. S. Elev.	1.8	feet	on MOST OF YEAR	Storage 0	Acre Feet			
Max. Peak Inf.	652	C. F. S. from	3:00 P.M.	on 11/12/46	to 4:00 P.M.	on 11/12/46		
Max. Peak Outf.	58.5	C. F. S. from	9:15 P.M.	on 11/14/46	to 9:30 P.M.	on 11/14/46		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
J. C. VIDMAR	Dam Tender	Gage Hts. copied	JHL FS	10/8/47
E. S. BONADIMAN	Hydrographer	Storage applied	JHL FS	10/8/47
	Hydrographer	Inf. & Outf. comp.	JHL FS	10/10/47

REMARKS

TABLE XI

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PACOIMA DAM													
1928-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1109	18	201
1929-30	1110	N.D.	N.D.	965			N.D.			N.D.	756	40	40
1930-31	1082	N.D.	N.D.	886			N.D.			N.D	754	24	137
1931-32	8741	N.D.	N.D.	8448			N.D.			N.D.	3589	33	311
1932-33	2160	101	0	2119			N.D.	4	13	81	1523	43	353
1933-34	3454	N.D.	N.D.	3493	1	1	914	1	26	65	2002	48	62
1934-35	5569	84	0	5556			N.D.	5	16	92	3061	60	0
1935-36	3098	88	0	3094	2	12	248	5	13	129	2500	0	*4.0
1936-37	15737	356	0	14210	2	14	508	2	18	250	5118	2.0	1531
1937-38	25878	2360	0	26796	3	2	8320	3	3	2060	6397	0	* 0
1938-39	3525	86	0	3080	12	19	145	1	20	66	998	0	445
1939-40	3209	156	0	3133	1	8	928	2	4	169	1698	158	521
1940-41	25785	536	0	25942	3	4	815	3	5	430	4342	232	364
1941-42	1920	48	0.05	2032	12	29	85	7	15	97	1460	95	95
1942-43	20698	1246	0.1	20407	1	23	2651	1	23	598	2682	0	386
1943-44	15004	898	0.4	15167	2	22	1790	3	2-3	326	4818	0.8	44
1944-45	4866	206	0.4	4911	2	2	494	2	2	397	1258	0	0
1945-46	4600	332	0	2905	3	30	564	2	5	241	3524	0	1673
1946-47	4356	118	0	6029	12	26	318	1	7	223	1697	0	0
BIG TUJUNGA DAM													
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	239	43	156
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	4908	156	798
1932-33	4342	218	0	4518			N.D.	1	20	35	3252	337	622
1933-34	4441	994	0	4234	1	1	2430	7	17-18	21	4510	167	829
1934-35	11992	380	0	10698	4	8	718	4	8	540	6249	648	2122
1935-36	3875	131	0	5509	2	12	312	2	17	52	2661	189	488
1936-37	26969	803	0.6	25729	2	6	1740	2	15-19	366	6266	188	1728
1937-38	64855	12030	1.0	65022	3	2	32940	3	2	32600	7719	0	* 0
1938-39	9905	327	1.2	9106	12	19	666	12	23	424	2343	0	* 8.0
1939-40	7058	337	0.4	7197	1	8	2302	1	8	747	2277	0	*717
1940-41	59402	1200	0.9	59086	3	4	1570	2	21	1560 ±	2313	+	*1033
1941-42	7120	71	0.8	7724	12	10	134	12	30	47	2131	115	428
1942-43	52877	5695	1.1	52919	1	23	17850	1	23	17670	5321	0	0
1943-44	42270	2779	5.0	41722	2	22	4770	2	22	3310	2485	0	548
1944-45	13206	475	1.2	12231	11	11	1847	11	13	300	3034	503	1523
1945-46	11543	1154	0.8	12383	3	30	2313	3	30	983	4096	503	680
1946-47	12987	674	0.9	12827	11	13	1690	12	26	501	1748	423	840
				NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.									
DEVIL'S GATE DAM													
1921-29	SOME STORAGE RECORDS AVAILABLE AT CITY OF PASADENA WATER DEPARTMENT.												
1929-30	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	196	0	0
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	155	0	*0
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1715	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1046	0	0
1933-34	2938	757	0	0	1	1	3310			0	2310	0	0
1934-35	3843	N.D.	0	0	10	17	1310			0	1128	0	*26
1935-36	3457	N.D.	0	86			N.D.	7	2	12	1450	2.0	6.0
1936-37	12030	340	0	2818	2	6	852	2	18	135	3310	6.0	156
1937-38	25436	3720	0	17496	3	2	10840	3	2	6440	5465	0	*331
1938-39	3044	200	0	634	12	19	201	12	20	62	760	0	488
1939-40	1350	142	0	745	1	8	859	2	21	74	959	0	0
1940-41	27013	1380	0	24582	2	20	3870	2	20	3120	1762	0	531
1941-42	689	91	0	443	12	10	479	12	8	27	378	4.0	4.0
1942-43	25655	2559	0	23552	1	23	7740	1	23	5530	2366	0.5	58
1943-44	8680	1454	0	7905	2	22	2310	2	22	1530	1823	0	0
1944-45	2341	288	0	2031	11	11	949	3	15	434	730	0	0
1945-46	2994	435	0	1343	12	22	1040	12	23	389	1341	0	72
1946-47	4045	285	0	3949	12	25	1283	12	27	610	691	0	0
				NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.									
EATON WASH DAM													
1936-37	3062	112	0	1502			N.D.	2	VAR. TIMES	40	613	0	0
1937-38	6993	883	0	5213	3	2	2670	3	2	2700	963	0	*0
1938-39	340	51	0	84	12	18	169	12	19	29	112	0	62
1939-40	390	31	0	96	1	8	220	10	8	13	149	0	*0
1940-41	7323	188	0	6089	2	20	426	2	20	256	432	0	*0.1
1941-42	78	11	0	0	12	10	73			0	47	0	0
1942-43	7212	498	0	6399	1	23	1700	1	23	1100	643	0	0
1943-44	2901	265	0	1970	2	22	371	3	14	268	398	0	+
1944-45	331	52	0	101	11	11	204	2	2	26	107	0	0
1945-46	514	77	0	265	12	23	284	12	22	121	174	0	0
1946-47	779	76	0	507	11	13	341	12	26	86	243	0	0
				NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.									

LEGEND

N.D. NOT DETERMINED
* STORAGE CORRECTED FOR DEBRIS LOSSES
+ 0.05 C.F.S. OR LESS

YEARLY RESERVOIR OPERATION SUMMARY

BIG SANTA ANITA DAM

YEAR	INFLOW ANNUAL A.F.	INFLOW MAX DAY C.F.S.	INFLOW MIN DAY C.F.S.	OUTFLOW ANNUAL A.F.	PEAK INFLOW MO.	PEAK INFLOW DAY	PEAK INFLOW C.F.S	PEAK OUTFLOW MO.	PEAK OUTFLOW DAY	PEAK OUTFLOW C.F.S.	STORAGE A.F. MAXIMUM	STORAGE A.F. MINIMUM	STORAGE A.F. SEPT. 30
1926-27 °	1208 °	13	0.4	1030 °			N.D.			N.D.	668	147	312
1927-28	1009	22	0.1	1162			N.D.			N.D.	244	0	97
1928-29	1214	30	0	1256			N.D.			N.D.	630	11	94
1929-30	1276	25	0.1	964			N.D.			N.D.	711	9.0	302
1930-31	989	34	0	1155			N.D.			N.D.	316	25	87
1931-32	4010	236	0.1	3883			N.D.	12	28	112	614	20	130
1932-33	2190	152	0	2022	1	19	390	1	22	34	805	58	414
1933-34	2603	322	0	2622	1	1	800 ±	1	1	400	695	54	231
1934-35	3693	92	0.1	3585	4	8	449	4	8	146	763	18	340
1935-36	2480	84	0	2535	2	12	228	2	17-19	52	686	33	*265
1936-37	8799	192	0	8616	2	6	313	2	14-15	140	1022	108	448
1937-38	16594	1780	1.3	16689	3	2	5140	3	2	5070	1202	0	*0
1938-39	2726	74	0.4	2461	12	19	159	9	26	50	435	0	265
1939-40	2743	62	0.4	2664	1	8	378	2	4	73	573	0	*312
1940-41	15225	239	0.4	15235	3	4	300 ±	VAR. TIMES		260	512	0	302
1941-42	2070	25	0.6	2140	12	29	53	12	29	31	571	209	232
1942-43	19371	1113	0.6	19440	1	23	3100	1	23	3060	717	0	0
1943-44	7463	514	1.3	7294	° 2	22	813	2	22	573	540	0	169
1944-45	4147	101	1.1	4133	11	11	303	VAR. TIMES		260 ±	650	7.6	184
1945-46	3426	149	0.8	3360	12	23	492	12	22	298	673	124	249
1946-47	4489	122	0.7	4462	11	20	382	12	26	203	439	0	277

° RECORD BEGINS 3-31-27

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

SAWPIT DAM

1927-28 °	26 °	N.D.	0	39 °			N.D.			N.D.	66	N.D.	27
1928-29**	96**	5.3	0	108**			N.D.			N.D.	91	0	16
1929-30**	219**	8.0	0	209**			N.D.	9	30	3.1	195	0	11
1930-31**	97**	3.9	0	68**			N.D.	5	16	3.0	87	0	29
1931-32	710	56	0	726	2	9	76	2	17	16	234	12	12
1932-33	184	8.6	0	185			N.D.	1	27	7.0	112	0	0
1933-34	468	106	0	457	1	1	240	1	1	136	156	0	0
1934-35	548	36	0	540	4	8	168	12	15	25	146	0	0
1935-36	574	22	0	574	2	11	72	2	15	22	91	0	* 0
1936-37	1434	36	0	1401			N.D.	2	14	34	93	0	33
1937-38	2909	384	0	2868	3	2	1070	3	2	665	447	0	* 0
1938-39	232	17	0	170			N.D.	9	25	16	61	0	58
1939-40	264	11	0	308	1	8	39	1	7	20	62	15	15
1940-41	2180	63	0	2195	3	4	109	3	5	59	114	0	* 0
1941-42	107	3.7	0	39	12	29	4.8	3	14	2.5	75	0	69
1942-43	2966	162	0	2950	1	23	520	1	23	284	300	0	58
1943-44	747	73	0	743	2	22	138	2	22	70	133	0.2	62
1944-45	316	16	0	319	11	11	59	11	12	18	65	16	59
1945-46	250	24	0	245	12	23	85	12	23	36	78	8.6	58
1946-47	362	23	0	361	11	20	77	12	26	26	66	1.6	47

° RECORD BEGINS 3-5-28
**RECORDS INCOMPLETE FOR YEAR

SAN GABRIEL DAM NO. 2

1934-35 °	3517 °	54	0.1	3517 °			N.D.	4	14	55	780	0	0
1935-36	7154	265	0	7138			N.D.	2	17	43	2866	0	16
1936-37	32986	943	0.1	32996	2	14	1240	2	14	752	10611	0	5.0
1937-38	60336	7990	1.4	58799	3	2	24710	3	2	23430	14091	0	*16
1938-39	11560	673	0.9	11369	9	25	1360	9	25	1160	2141	0	20
1939-40	9634	309	0.8	9569	1	8	2020	1	15	1240	1541	0	* 3.0
1940-41	61270	1400	0.5	59951	2	20	1640	2	20	1160	9847	2.7	*1321
1941-42	6080	108	0.3	7331	12	10	294	11	1	90	1252	1.4	1.4
1942-43	54700	4316	0.7	53703	1	23	15000	1	23	7100	8383	0	0
1943-44	38150	2865	1.4	37460	2	22	4650	2	22	1160	9031	0	424
1944-45	11887	424	1.4	10385	11	11	1600	10	31	420	3378	0	1719
1945-46	14711	1255	0.8	16377	3	30	2790	3	30	810	1950	0	6.3
1946-47	20135	1032	0.1	20135	12	25	2290	1	6	1300	2853	0	0

° RECORD BEGINS 4-18-35

SAN GABRIEL DAM NO. 1

1937-38 °	339155 °	30720	37	332893 °	3	2	89320	3	2	56700	58600	0	*53
1938-39	67231	1330	23	61655	12	19	2780	5	11	3050	5793	48	5793
1939-40	58554	757	18	63386	1	8	2270	4	16	4200	12146	349	*373
1940-41	306801	3940	20	305515	2	20	5780	3	3	6300	43386	248	248
1941-42	50285	297	20	49759	12	29	468	11	7	8880	6661	224	268
1942-43	271286	17180	20	267085	1	23	46000	1	23	10360	31345	236	964
1943-44	184923	5708	43	184622	2	22	9860	5	20	4970	32980	SUMP	ONLY
1944-45	91961	1300	28	90131	11	11	6440	3	26	9100	23055	SUMP ONLY	973
1945-46	99531	2984	28	89502	12	21	5760	4	4	9200	30395	336	*9739
1946-47	107688	3337	18	104088	12	26	6520	12	28	7670	19253	2003	11970

° RECORD BEGINS 11-17-37

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

LEGEND

N.D. NOT DETERMINED
* STORAGE CORRECTED FOR DEBRIS LOSSES
+ 0.05 C.F.S. OR LESS

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
BIG DALTON DAM													
1929-30	52	3.2	1.8	52			N.D.	4	29	1.8	39	0	0
1930-31	41	2.0	0	41	4	26	3.0	3	11	16	26	0	0
1931-32	690	54	0	688	2	9	86	2	11	134	261	0	2.0
1932-33	79	5.0	0	81	1	20	12	9	22	4.0	63	0	0
1933-34	448	93	0	448	1	1	227	1	18	9.5	319	0	0
1934-35	593	21	0	575	4	8	49	9	23	6.0	577	0	*19
1935-36	360	12	0	369	2	11	72	7	29	3.5	353	7.0	9.0
1936-37	1879	51	0	1868	2	6	98	2	16	20	1007	8.0	20
1937-38	3271	415	0	3192	3	2	1320	3	2	739	1021	9.0	16
1938-39	280	4.3	0	288	1	5	26	7	8	2.7	272	4.0	9.0
1939-40	232	4.0	0	237	1	8	29	9	11	2.7	230	4.0	4.0
1940-41	2767	56	+	2748	3	4	88	3	5	65	971	4.0	24
1941-42	209	2.3	0.05	233	3	14	6.0	8		N.D.	153	0	0
1942-43	3143	160	0.1	3110	1	23	595	3	4-6	111	760	0	13
1943-44	1087	109	0.05	1085	2	22	226	2	23	55	603	13	15
1944-45	734	19	0	729	11	11	47	8	27	3.9	706	15	20
1945-46	525	40	0	509	12	23	148	8	3-5	3.0	547	20	36
1946-47	492	16	0	512	11	20	56	12	30	12	358	14	16
NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES													
SAN DIMAS DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	249	0	0
1928-29	N.D.	N.D.	0	N.D.			N.D.			N.D.	486	0	9.0
1929-30	591	28	0	573			N.D.			N.D.	535	0	27
1930-31	485	23	0	466			N.D.			N.D.	217	21	46
1931-32	2502	162	0	2496			N.D.	2	10	69	775	25	51
1932-33	652	50	0	648			N.D.	1	24	17	269	21	56
1933-34	1351	229	0	1357	1	1	422	1	4	120	500	39	50
1934-35	1753	60	0	1682	4	8	145	VAR.	TIMES	14	1184	48	121
1935-36	1094	35	0	1136	2	11	155	4	10	135	696	32	*32
1936-37	6316	154	0	6126	2	6	296	2	7	127	1301	27	*222
1937-38	12492	1600	0.4	12494	3	2	4920	3	2	4690	1704	0	*0
1938-39	2165	43	0.2	2024	1	5	81	12	19	23	560	0	141
1939-40	1532	60	0	1600	1	8	302	2	4	36	778	23	*68
1940-41	9645	131	0.1	9240	3	4	235	VAR.	TIMES	145	1171	13	*473
1941-42	1603	16	0.2	1855	12	10	29	12	12	23	625	173	173
1942-43	9271	573	0.5	9095	1	23	1700	1	23	1230	1153	58	276
1943-44	5348	398	0.1	5423	2	22	785	2	22	555	1043	78	173
1944-45	3747	97	0.9	3811	11	11	375	2	3	51	1042	36	109
1945-46	2560	149	0.1	2368	12	23	519	12	23	154	845	74	302
1946-47	2705	100	0.1	2982	11	20	340	11	20	60	387	17	25
NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.													
PUDDINGSTONE DIVERSION DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	63	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70	0	0
1933-34	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70	0	0
1934-35	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	18	0	0
1935-36	304	48	0	304	4	10	85	4	10	1400	119	0	*0
1936-37	3434	82	0	3434			N.D.	3	27	1660	111	0	0
1937-38	11194	1620	0	11125	3	2	5760	3	2	5780	149	0	*8.0
1938-39	1288	28	0	1293	1	10	23	12	19	30	6.0	0	0
1939-40	350	26	0	155	1	8	33	2	4	25	27	0	*0
1940-41	7213	133	0	6776	3	14	155	3	14	154	30	0	0
1941-42	341	13	0	203	12	12	24	12	29	10	27	0	0
1942-43	8593	970	0	7939	1	23	2045	1	23	2035	76	0	0
1943-44	3406	357	0	3010	2	22	724	2	22	724	60	0	0
1944-45	1719	64	0	1294	2	2	88	2	2	74	54	0	0
1945-46	970	159	0	773	12	23	234	12	23	229	58	0	0
1946-47	1400	55	0	1109	12	26	58	12	26	58	52	0	0
NOTE: FLOW RECORDS PRIOR TO 1939-40 ARE NOT CORRECTED FOR PERCOLATION LOSSES.													
PUDDINGSTONE DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	437	N.D.	211
1928-29	114	12	0	151			N.D.	10	10	2.0	274	162	178
1929-30	295	15	0	223			N.D.	9	11	4.5	431	145	250
1930-31	73	8.5	0	119			N.D.	10	16	2.4	252	189	204
1931-32	1547	162	0	1086			N.D.	VAR.	TIMES	9.5	1732	192	665
1932-33	314	30	0	906			N.D.	11	20	6.0	653	70	70
1933-34	2669	596	0	1809			N.D.	VAR.	TIMES	6.0	2685	28	854*
1934-35	610	N.D.	N.D.	846	1	15	205	VAR.	TIMES	6.0	1283	517	517
1935-36	703	54	0	969	4	10	590	12	26	5.3	943	250	250
1936-37	5732	303	0	2173	2	6	1480	VAR.	TIMES	11	5838	147	3808
1937-38	12221	2200	0	7544	3	2	5310	3	18	100	12881	3060	8486
1938-39	1576	101	0	5305			N.D.	9	4-12	27	8486	4526	4756
1939-40	646	54	0	2524	1	7	448	6	19	11	4756	2109	2109
1940-41	12030	377	0	3308	3	4	1084	6	10	14	12739	1494	*9668
1941-42	475	30	0	4385	12	10	409	12	2	91	9668	4612	4612
1942-43	10043	1126	0	4836	1	23	2300	3	4	287	11271	3925	8320
1943-44	3408	525	0	3179	2	22	1030	3	2	49	9700	7022	7138
1944-45	1615	139	0	2376	11	11	484	9	28	8.0	7866	5412	5412
1945-46	1576	275	0	6009	12	23	929	8	25-31	32	5412	237	237
1946-47	1414	96	0	788	11	13	445	8	8	9.3	1576	236	543
NOTE: FLOW RECORDS PRIOR TO 1939-40 ARE NOT CORRECTED FOR PERCOLATION AND EVAPORATION LOSSES													

LEGEND

N.D. NOT DETERMINED
* STORAGE CORRECTED FOR DEBRIS LOSS
\+ 0.05 C.F.S. OR LESS

YEARLY RESERVOIR OPERATION SUMMARY

LIVE OAK DAM

YEAR	INFLOW			OUTFLOW	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.	ANNUAL A.F.	MO.	DAY	C.F.S.	MO.	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
1931-32	N.D.	N.D.	N.D.	N.D.			N.D			N.D.	115	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	142			N.D.	1	2	9.0	160	0	0
1934-35	27	2.3	0	9.5	4	8	16	7	19	0.6	26	0	0
1935-36	33+	4.1	0	0			N.D.			0	33	0	*4.0
1936-37	494	35	0	413	2	6	139	2	6	36	97	0	0
1937-38	800	147	0	785	3	2	339	3	2	200	217	0	* 0
1938-39	21	1.0	0	3.0	3	2	1.4	9	16	8.0	21	0	0
1939-40	16	1.2	0	1.0	1	8	11	5	31	10	16	0	0
1940-41	719	39	0	718	3	4	90	3	13	28	139	0	0
1941-42		+	+				+			+	+	0	0
1942-43	827	78	0	827	1	22	170	1	23	50	170	0	0
1943-44	218	33	0	218	2	22	74	2	22	20	71	0	0
1944-45	177	9.0	0	177	2	2	67	2	3	12	53	0	0
1945-46	104	22	0	88	12	23	127	12	25	2.0	68	0	0
1946-47	64	7.5	0	45	11	20	25	12	30	2.1	43	0	0

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

THOMPSON CREEK

1931-32	EST 80 ±	N.D.	N.D.	EST 80 ±	2	9	91	2	8	5.0	62	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	114 +	N.D.	N.D.	0			N.D.			0	112	0	* 0
1934-35	1.0 +	N.D.	N.D.	0			N.D.			0	1.0	0	0
1935-36	1.0 +	N.D.	N.D.	0			N.D.			0	1.0	0	0
1936-37	274	24	0	0			N.D.			0	204	0	0
1937-38	1099	259	0	872.5	3	2	580	3	3	120	632	0	4.0
1938-39	21	0.6	0	0	1	30	1.1			0	8	0	0
1939-40	49	4.5	0	0	1	7	26			0	20	0	0
1940-41	640	46	0	2.8	3	4	97	3	14	4.2	329	0	2.1
1941-42	0.3	0.05	0	0	12	10	0.5	3	14	E 1.0	2.1	0	0
1942-43	767	121	0	333	1	23	270	1	25	17	360	0	1.5
1943-44	286	56	0	0	2	22	111			0	159	0	0
1944-45	149	18	0	0	11	12	132			0	83	0	0
1945-46	148	25	0	0	12	23	120			0	90	0	0
1946-47	88	16	0	0	11	20	47			0	39	0	0

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES

LEGEND

N.D. NOT DETERMINED
* STORAGE CORRECTED FOR DEBRIS LOSS
\+ 0.05 C.F.S. OR LESS

GROUND WATER
&
CONSERVATION

GROUND WATER AND WATER CONSERVATION

FOREWORD

The continuing increase in population and expansion of industry has very materially increased the draft upon the ground water supply and placed additional emphasis upon the necessity of unremitting study of changing conditions and of adapting conservation practices to such conditions.

The principles, practices and objectives of water conservation and the physical characteristics of the principal ground water basins of the county were discussed in considerable detail in the Annual Report on Hydrologic Data for 1941-42, and reference may be made to that report for such information.

SEASONAL DATA AND MAPS

In order to determine to what extent the ground water basins were replenished or depleted during the 1945-46 and 1946-47 seasons numerous measurements of water table and pressure surface elevations were made or obtained from cooperating agencies; 1373 wells were measured in the fall and again in the spring of each season. 120 of these (designated as Key Wells, See Map V, page 391) were also measured at monthly intervals. A smaller number were measured more frequently, and a few were equipped with automatic recorders to provide continuous records of fluctuations. Of the 1373 wells, approximately 80, located in the westerly part of Antelope Valley, were measured by the District as its part in a cooperative agreement with the United States Geological Survey and the State Division of Water Resources, whereby the United States Geological Survey measured approximately 60 wells in the easterly part of the valley and the State Division of Water Resources made hydrographs of the key wells and ground water contour maps from fall measurements. See Maps XX and XXI, pages 417 and 418.

Ground water maps were made for San Fernando Valley, San Gabriel Valley, and the Coastal Plain from the fall and spring measurements, and for Santa Clara Valley from the fall measurements. With a few exceptions the fall and spring maps show the seasonal low and high positions of the water tables or pressure surfaces by contour lines. See Maps VI to XIX, pages 403 to 416 inclusive.

The more important key well measurements were reduced to hydrographs, 12 of which are included herein to show the fluctuations in the more important basins. See graphs on pages 393 to 401 inclusive.

The depth to ground water was investigated and reported on for 545 subdivision tracts in 1945-46 and for 404 in 1946-47.

Tables XII to XIV following show the amount of surface water conserved by percolation in the reservoirs and channels as well as spreading grounds, and the amount that flowed into the ocean as waste. With the flood control and conservation facilities now in operation, those under construction, and those contemplated in the Comprehensive Plan, it is expected that eventually the waste will be materially reduced. It never will be totally eliminated, however, because of the economic limits of conservation.

During the 1945-46 and 1946-47 seasons the study of ground water pollution was continued. Samples of water for chemical analysis were taken from streams and from wells in industrial districts, oil fields, and the coastal area. In general, only partial analyses of samples were made; that is, only the carbonate, bicarbonate and chloride content were determined. About 339 such analyses were made in the District's testing laboratory in 1945-46 and 250 in 1946-47. Complete analyses were made upon samples of water from several San Gabriel Valley wells in order to establish a norm by which any future variations in the quality of the water may be determined.

Investigations of possible ground water pollution from industrial wastes were made at the request of the County Engineer, Industrial Waste Committee, for consideration in the disposition of applications for permits to discharge industrial wastes into open channels or sumps.

COOPERATIVE INVESTIGATIONS

The United States Geological Survey, Water Resources Branch, the City of Long Beach Water Department, and the Orange County Flood Control and Water Districts have been cooperating in an investigation of the effectiveness of the structural barrier in the South Coastal Basin to prevent intrusion of sea water. The United States Geological Survey issued the final chapter of their comprehensive report entitled, " Hydrology of the Long Beach - Santa Ana Area, California, with Special Reference to the Watertightness of the Newport - Inglewood Structural Zone."

The somewhat similar cooperative investigation of overdraft and resulting intrusion of sea water into the West Coastal Basin continued.

West Coastal Basin differs from South Coastal Basin in that it lies entirely oceanward from the structural barrier. Its normal water table slope was toward the ocean, but heavy extractions during the past several years caused the slope to be reversed which started an intrusion of sea water. The purpose of the investigation is to determine the most feasible means of retarding the intrusion and possibly repelling it.

The cooperating agencies in this latter investigation are the United States Geological Survey, the Los Angeles County Flood Control District, the municipalities of Redondo Beach, Hermosa Beach, Manhattan Beach, El Segundo, Gardena, Hawthorne, Inglewood, Culver City and the Palos Verdes Estates.

NEW FACILITIES

The final construction work on the conversion of Pacoima Spreading Grounds into a basin type spreading grounds was completed in October 1946.

The construction of the Hansen Spreading Grounds was completed in December 1946.

The 35 acre Tubbs extension to the south of Rio Hondo Coastal Basin Spreading Grounds was constructed in 1946. In 1947 plans were prepared for the development of the Atkinson and balance of the Simmons properties comprising 113 acres extending easterly from the area which was developed in 1938.

Plans were prepared for spreading grounds on Eaton and Sawpit Washes.

Small scale spreading tests were conducted on the Atkinson property in the proposed Rio Hondo Spreading Ground extension and in the Sawpit Spreading Ground site.

RESPONSIBILITY

All the work relative to ground water conservation was done under the immediate supervision of L. W. Jordan, except the analysis of water samples, which was done under the direction of S. R. Mitchell, Chief, Testing Division.

TABLE XII

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUND ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	ABSORPTIVE CAPACITY OF REACH C.F.S.	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
PACOIMA	DAM TO PARTHENIA AVENUE	40-120	2904	2385	519	1945-46
"	" " " "	40-120	6026	2123	3903	1946-47
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	(1)	17737	11697	6040	1945-46
"	" " " " " "	(1)	19666	4865	14801	1946-47
TUJUNGA	HANSEN DAM TO MAGNOLIA BOULEVARD	250-700	2820	2520	300	1945-46
"	" " " " "	250-700	6850	6840	10	1946-47
DEVIL'S GATE	RESERVOIR ONLY			1578 (2)		1945-46
"	" "			169 (2)		1946-47
EATON	DAM TO RIO HONDO	13-40	265	491 (2)	0	1945-46
"	" " " "	13-40	507	668 (2)	0	1946-47
SANTA ANITA	DAM TO ARROW HIGHWAY	40-100	3360	4031	671	1945-46
" "	" " " "	40-100	4462	3412	1050	1946-47
SAWPIT	U.S.G.S. GAGING STATION TO RIO HONDO	12-20	366	330	36	1945-46
"	" " " " " "	12-20	422	414	8	1946-47
SAN GABRIEL	MOUTH OF SAN GABRIEL TO FOOTHILL BL. (CANYON BASIN)	VARIOUS	43680	1620 (2)	42060	1945-46
" "	" " " " " " " " " "	VARIOUS	48705	1185 (2)	47520	1946-47
SAN GABRIEL	FOOTHILL BL. TO SANTA FE DAM (MAIN BASIN)	VARIOUS	42060	9500	32560	1945-46
" "	" " " " " " " "	VARIOUS	47520	8920	38600	1946-47
SAN GABRIEL	SANTA FE DAM TO VALLEY BL. (MAIN BASIN)	VARIOUS	9950	1310	8640	1945-46
" "	" " " " " " " "	VARIOUS	26400	4460	21940	1946-47
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVE. (COASTAL PLAIN)	VARIOUS	40596 (3)	24116	16480	1945-46
" "	" " " " " " " "	VARIOUS	41080 (3)	13430	27650	1946-47
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL BASIN)	VARIOUS	16480	3890	12590	1945-46
" "	" " " " " " "	VARIOUS	27650	3550	24100	1946-47
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	VARIOUS	23281	10251	13030	1945-46
" "	" " " " " " " "	VARIOUS	12200	3640	8560	1946-47
RIO HONDO	MISSION BRIDGE TO STEWART & GRAY RD. (COASTAL BASIN)	VARIOUS	59655 (3)	38596	21059	1945-46
" "	" " " " " " " "	VARIOUS	48420 (3)	32390	16030	1946-47
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO GLENDORA AVENUE	7-20	2650 (4)	2029	621 (5)	1945-46
" "	" " " " " "	7-20	3030 (4)	2703	327 (5)	1946-47
LIVE OAK	DAM TO FOOTHILL BOULEVARD	4	88.7	105	0	1945-46
" "	" " " "	4	44.6	64	0	1946-47
THOMPSON CREEK	DAM TO FOOTHILL BOULEVARD		0	148 (2)	0	1945-46
"	" " " "		0	88 (2)	0	1946-47
				TOTAL 203518		

NOTES

(1) NOT DETERMINED. ABSORPTIVE CAPACITY DETERMINED FROM DIFFERENCE IN MEAN DAILY FLOWS.
(2) INCLUDES EVAPORATION AND PERCOLATION LOSS IN RESERVOIR.
(3) INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
(4) INCLUDES EVAPORATION AND PERCOLATION LOSS IN PUDDINGSTONE DIVERSION RESERVOIR.
(5) DIVERTED TO PUDDINGSTONE RESERVOIR FOR IRRIGATION USE.
ABOVE FIGURES INCLUDE WATER DIVERTED FOR USE.

TABLE XIII

SPREADING GROUNDS ABSORPTION

	NAME	QUANTITY OF WATER ABSORBED, ACRE FEET 1945-46	1946-47
I	PACOIMA	514	3762
II	HANSEN	2267	8725
III	SAN GABRIEL RIVER		
	(A) CANYON BASIN		
	1. EAST SIDE	13488	17674
	2. WEST SIDE	9863	6042
	(B) MAIN BASIN		
	1. COVINA CANAL	6110	4289
	2. AZUSA CANAL	6635	4647
	(C) COASTAL BASIN	0	384
IV	RIO HONDO		
	(A) COASTAL BASIN	9546	4844
V	LITTLE DALTON	73	89
VI	BIG DALTON	30	180
VII	THOMPSON CREEK	5	0
VIII	SAN ANTONIO	3270	5800
IX	SANTA ANITA*	0	140
X	SAWPIT*	0	89
XI	KINGS CANYON**	750	6500
	TOTAL	52551	63165

* TEMPORARY EXPERIMENTAL TEST BASINS
** IN ANTELOPE VALLEY; OPERATED BY U.S. SOIL CONSERVATION SERVICE

TABLE XIV

RUNOFF WASTE TO OCEAN IN ACRE FEET

YEAR	COYOTE CREEK NEAR DEL AMO *BELOW P. E. BRIDGE ARTESIA	SAN GABRIEL RIVER AT SPRING ST.	L.A. RIVER AT PACIFIC COAST HWY. **L.A. RIVER AT WILLOW ST.	BALLONA CREEK AT SAWTELLE BOULEVARD ***AT CENTINELLA BLVD.	TOTAL WASTE TO OCEAN	RAINFALL INDEX-MEAN FOR COUNTY
1927-28		NO FLOW		*** 3930.		66
1928-29		NO FLOW	** 9340. INC.	***14900.	24240.	69
1929-30	* 699.	NO FLOW	** 12300.	***13500.	26500.	78
1930-31	* 5681.	NO FLOW	** 14400.	***18500.	33470.	92
1931-32	* 2690.	6560.	51000.	***21800.	82050.	122
1932-33	* 457.	809.	22900.	***15800.	39970.	73
1933-34	* 3890.	12400.	67900.	***20600.	104800.	68
1934-35	* 3850.	2380.	40500.	***24900.	71630.	131
1935-36	* 1150.	1190.	20500.	***13300.		
				186.	36330.	68
1936-37	13700.	13500.	91100.	40680.	159000.	141
1937-38	15100.	88020.	408000.	52500.	599600.	147
1938-39	4250.	1080.	82750.	28490.	116600.	118
1939-40	3190.	1460.	65930.	21110.	91690.	81
1940-41	29500.	65890.	369500.	67360.	532200.	215
1941-42	1560.	10830.	93390.	17250.	123000.	80
1942-43	12070.	175100.	264900.	34240.	486300.	148
1943-44	12060.	72200.	217400.	33000.	334660.	158
1944-45	3800.	22280.	100200.	24450.	150730.	90
1945-46	3540.	12590.	91790.	18380.	126300.	88
1946-47	2460.	24100.	106000.	26300.	158860.	92

NOTE: RAINFALL INDEX NOW BASED ON 75 YEAR NORMAL.

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.
- ⑤ SPREADING GROUNDS AND CHANNEL PERCOLATING AREAS.

GROUND WATER BASINS

1 MONK HILL.
2 RAYMOND.
3 MAIN SAN GABRIEL.
4 UPPER SAN GABRIEL CANYON.
5 LOWER SAN GABRIEL CANYON.
6 GLENDORA.
7 WAY HILL.
8 SAN DIMAS.
9 FOOTHILL.
10 LIVE OAK.
11 LOWER CLAREMONT HEIGHTS.
12 UPPER CLAREMONT HEIGHTS.
13 SAN ANTONIO CANYON.
14 POMONA.
15 CHINO.
16 PUENTE.
17 SPADRA.
18 VERDUGO.
19 TUJUNGA.
20 SAN FERNANDO.
21 SYLMAR.
22 PACOIMA.
23 WEST COASTAL.
24 CENTRAL COASTAL.
25 HOLLYWOOD.
26 SANTA CLARA.
27 VALYERMO.
28 PALLETT CREEK.
29 AMARGOSA.
30 ROCK CREEK.
31 BUTTES.
32 LANCASTER.
33 NEENACH.
24A MONTEBELLO FOREBAY.
25A LOS ANGELES FOREBAY.

SPREADING AREAS

① PACOIMA WASH CHANNEL.
② PACOIMA SPREADING GROUNDS.
③ BIG TUJUNGA WASH CHANNEL.
④ HANSEN SPREADING GROUNDS.
⑤ L.A. CITY TUJUNGA SPREADING GROUNDS.
⑤ L.A. CITY CRYSTAL SPRINGS INFILTRATION AREA.
⑥ EATON WASH CHANNEL.
⑥ SIERRA MADRE SPREADING GROUNDS.
⑦ SANTA ANITA WASH CHANNEL.
⑧ SAWPIT WASH CHANNEL.
⑨ SAN GABRIEL RIVER WATER COMMITTEE SPREADING GROUNDS:
(A) WEST SIDE CANYON BASIN.
(B) EAST SIDE CANYON BASIN.
(C) WASH CHANNELS FED BY COVINA AND AZUSA CANALS.
⑩ SANTA FE DAM PERCOLATING AREA.
⑪ RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN MAIN BASIN.
⑫ RIO HONDO COASTAL BASIN SPREADING GROUNDS.
⑬ SAN GABRIEL RIVER COASTAL BASIN SPREADING GROUNDS.
⑭ RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN COASTAL BASIN.
⑮ LITTLE DALTON SPREADING GROUNDS.
⑯ BIG DALTON SPREADING GROUNDS.
⑰ SAN DIMAS WASH CHANNEL.
⑱ LIVE OAK CREEK CHANNEL.
⑲ THOMPSON CREEK SPREADING GROUNDS.
⑳ SAN ANTONIO SPREADING GROUNDS.
㉑ SANTA CLARA BASIN CHANNELS FED BY L.A. AQUEDUCT.
㉒ ARROYO SECO ABOVE DAM.
㉓ KINGS CANYON SPREADING GROUNDS.

SCALE
1 0 1 2 3 4 5 Miles

PREPARED BY E.J.K. de
TRACED BY E.J.K. de
CHECKED BY L.W.J.

NOTE:
THIS DUPLICATE TRACING MADE FROM ORIGINAL BASE TRACING NO. 2-ML 74 REVISED IN APRIL 1947.

REVISIONS ON DUPLICATE			
AS OF DATE	DONE DATE	DESCRIPTION	BY
SEP 1945	MAY 1947	ADDED ANTELOPE VALLEY, L.A. AQUEDUCT, BASINS, WELLS, SPROG. AREAS, LEGEND, TITLE, ETC.	E.J.K.
SEP 1947	JAN 1948	GEN. FOR 1945-47 REPORT	"

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAP SHOWING LOCATION OF
KEY WELLS
GROUND WATER BASINS
AND SPREADING GROUNDS

APPROVED BY H.E. Hardy 6/5/47
CHIEF ENGINEER

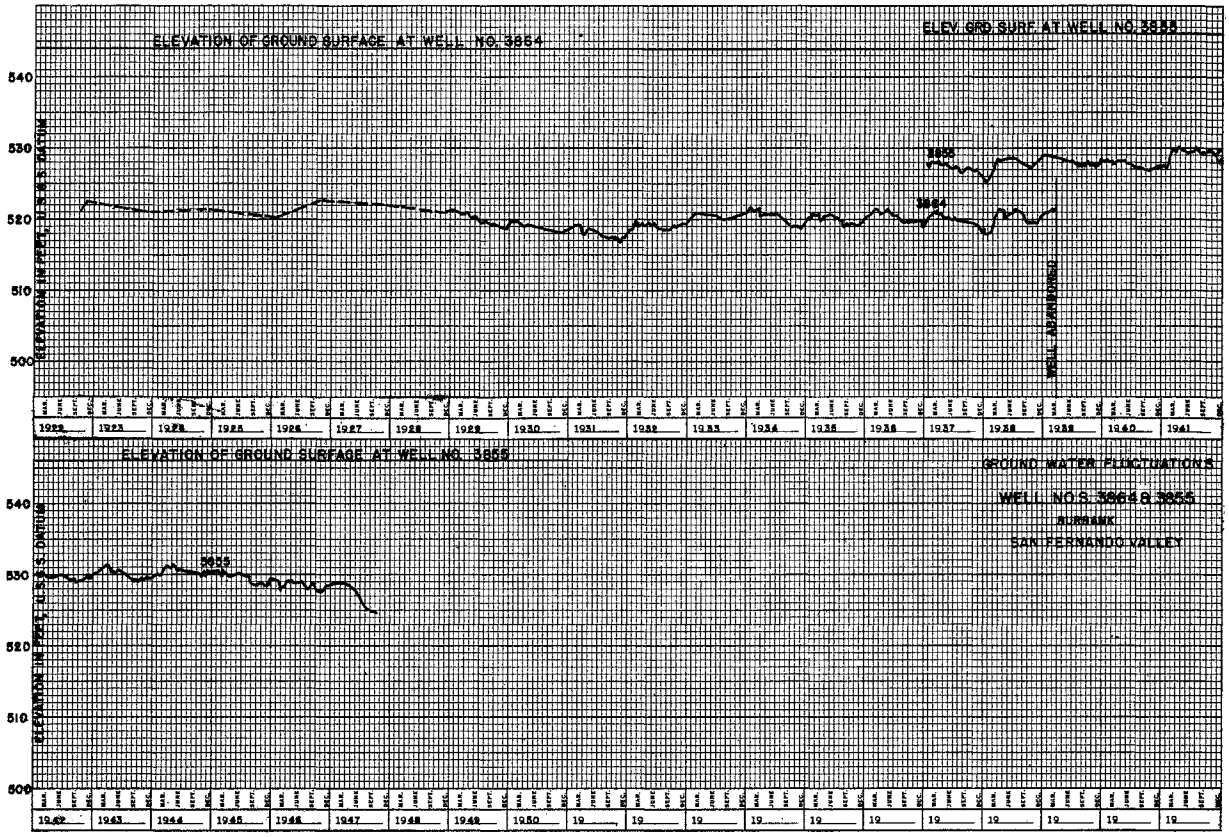
SUBMITTED BY Ezra B. Everts
CHIEF HYDRAULIC DIVISION

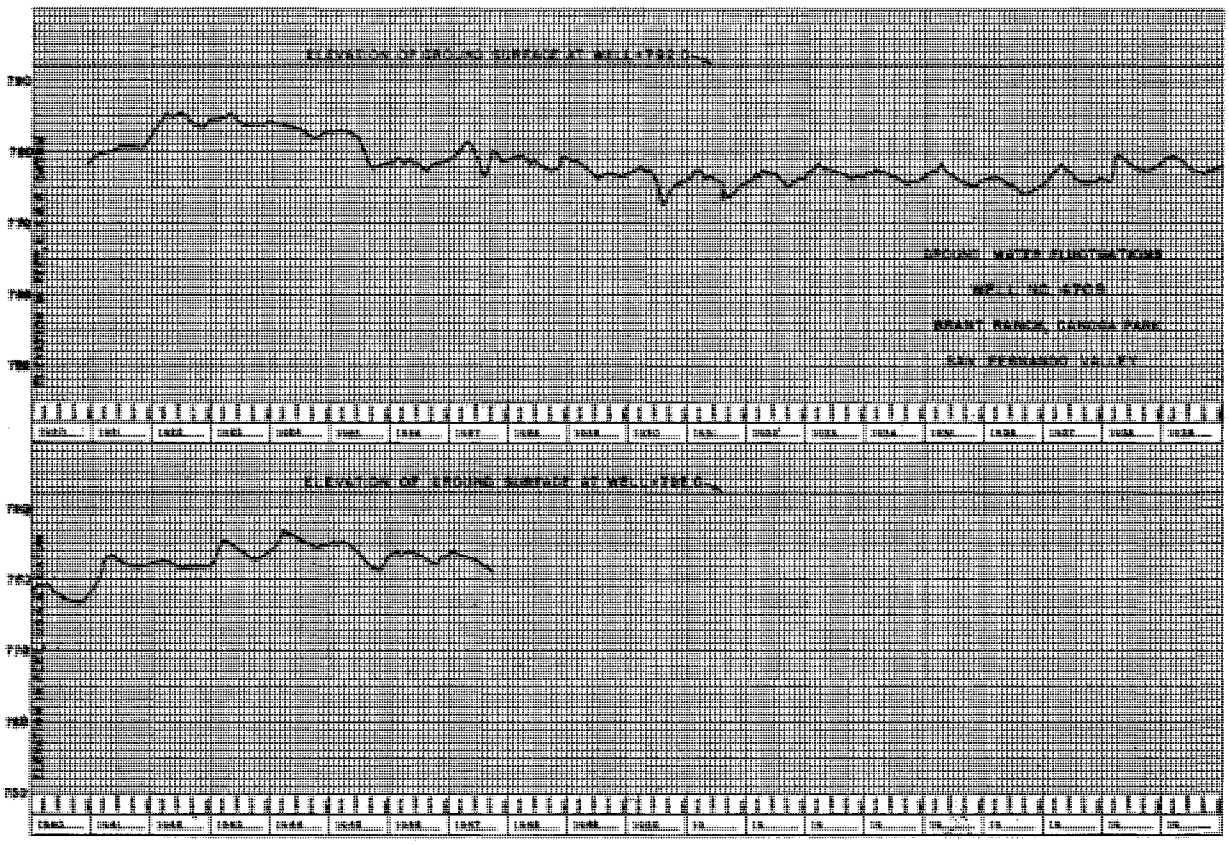
RECOMMENDED BY Paul Thurman
ASST. CHIEF ENGINEER

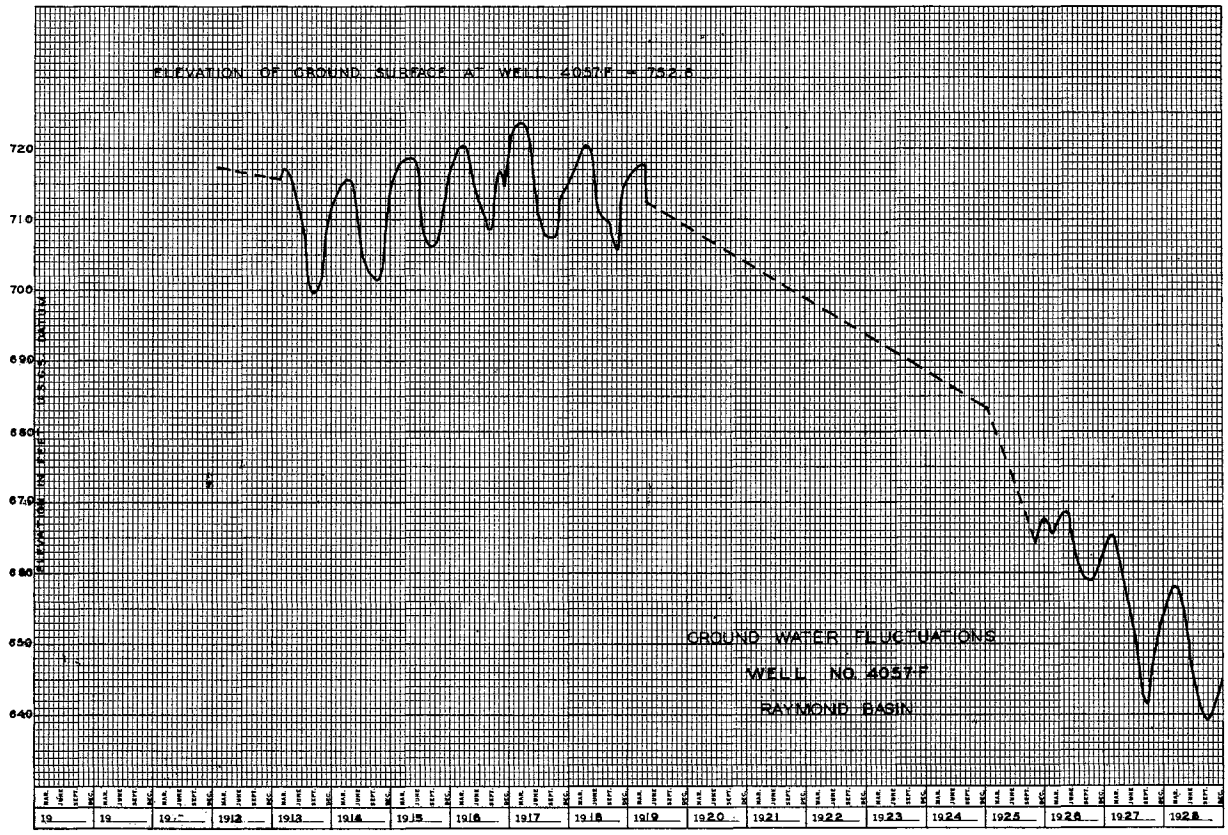
DATE MAY 1947

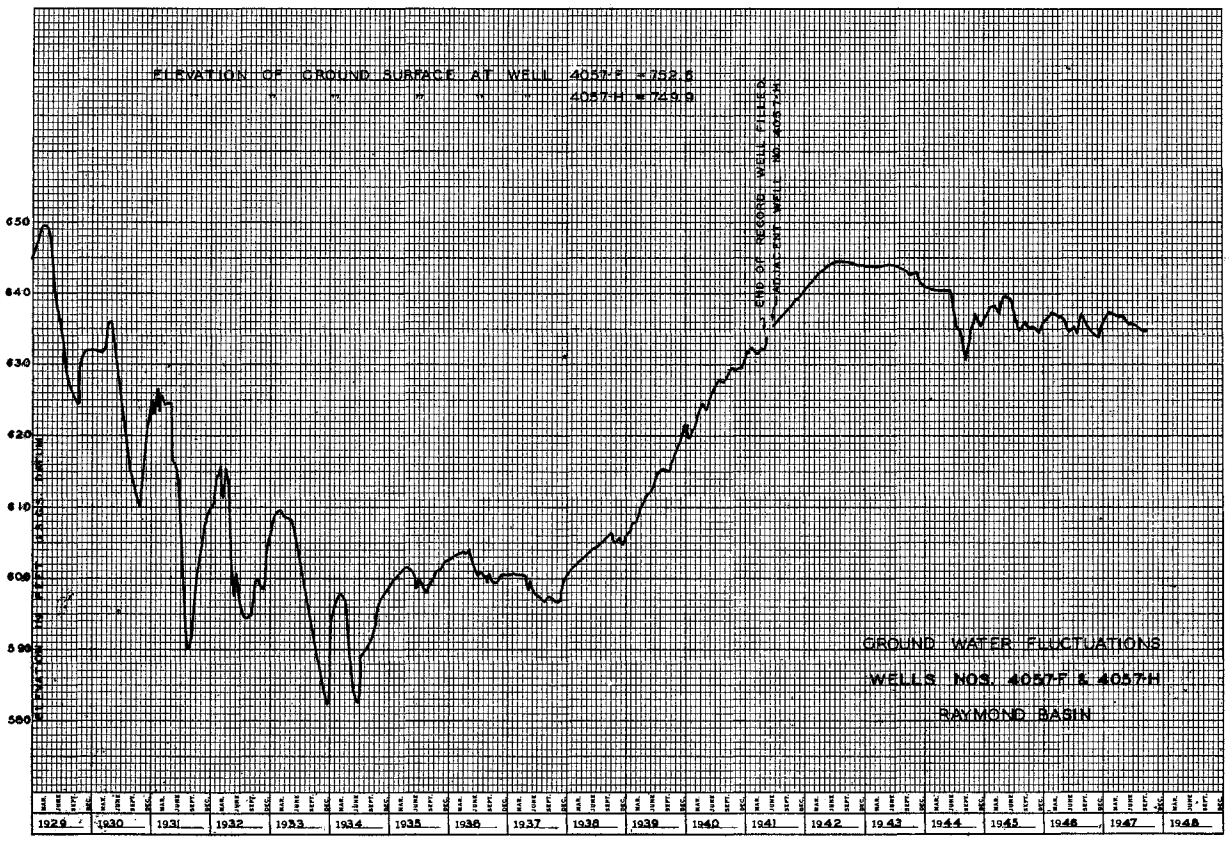
NO. 2-H 74

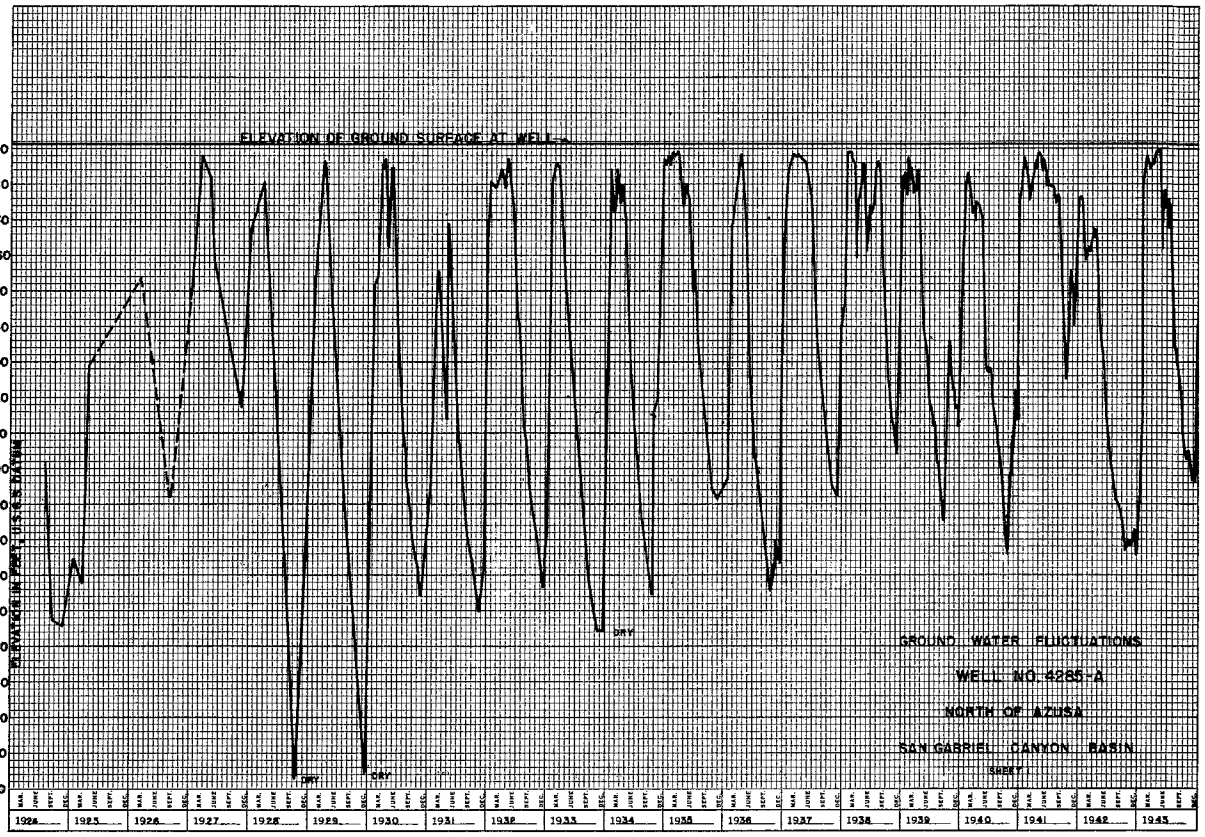
MAP V

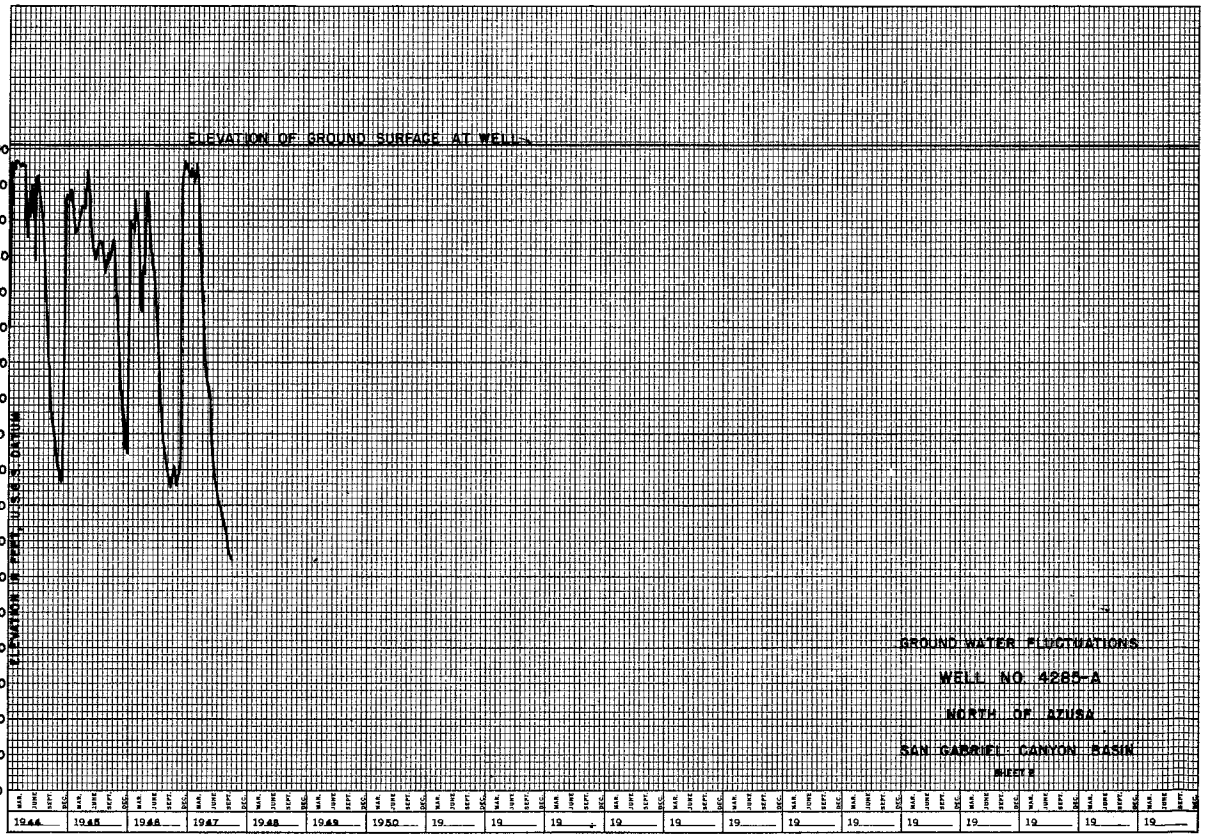

ELEVATION OF GROUND SURFACE AT WELL NO. 3854
ELEV. GRD. SURF. AT WELL NO. 3855
ELEVATION IN FEET, U.S.C. & G.S. DATUM
540
530
520
510
500
3855
3854
WELL ABANDONED
1939
1940
1941
ELEVATION OF GROUND SURFACE AT WELL NO. 3855
3855
1942
1943
1944
1945
1946
1947
1948
1949
1950
GROUND WATER FLUCTUATIONS
WELL NOS. 3864 & 3855
AUBURN
SAN FERNANDO VALLEY

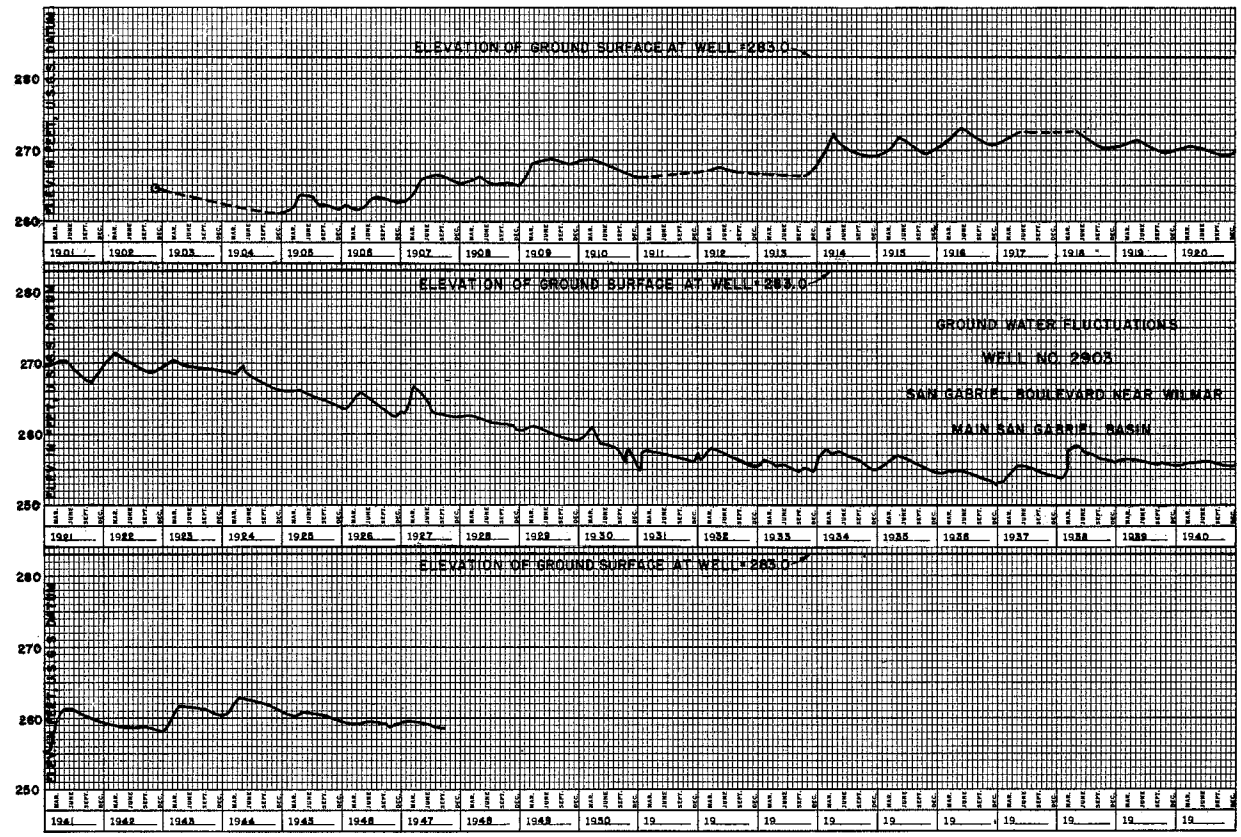

ELEVATION OF GROUND SURFACE AT WELL 4765
GROUND WATER FLUCTUATIONS
WELL NO. 4765
BRANT RANCH, DAMSON PARK
SAN FERNANDO VALLEY
ELEVATION OF GROUND SURFACE AT WELL 4765

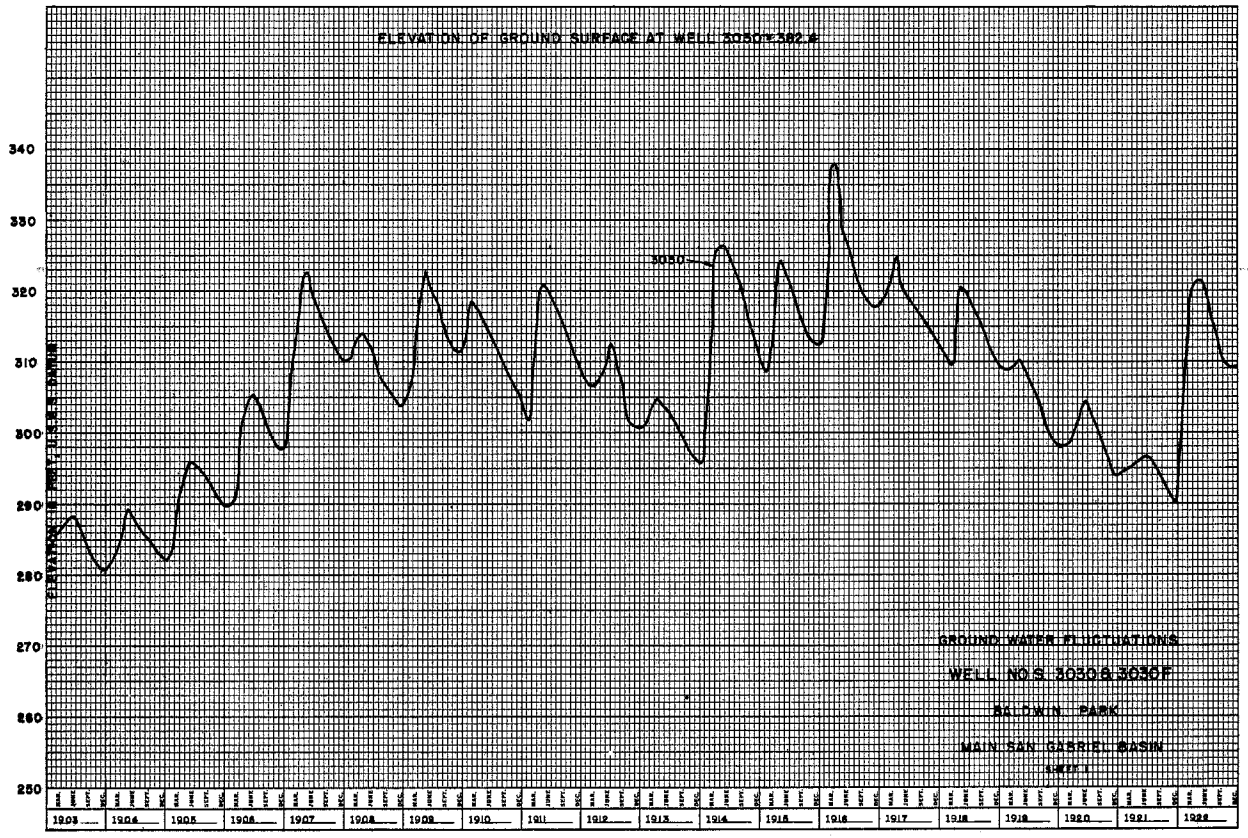

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.6
720
710
700
690
680
670
660
650
640
ELEVATION IN FEET ABOVE SEA LEVEL DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4057-F
RAYMOND BASIN
19 | 19 | 19 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928

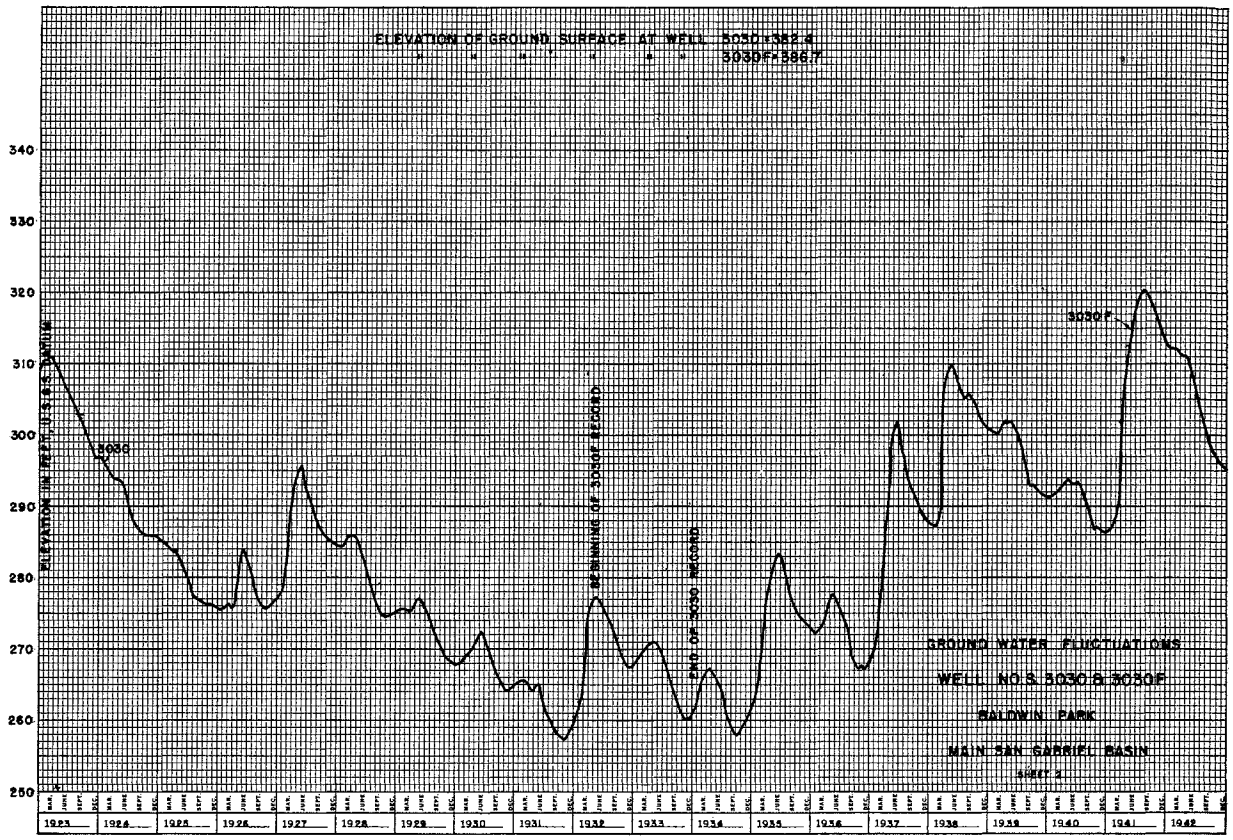

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.6
" " " " " 4057-H = 745.9
650
640
630
620
610
600
590
580
ELEVATION IN FEET ABOVE SEA LEVEL DATUM
END OF RECORD WELL FILED
MOST ENT WELL NO. 4057-H
GROUND WATER FLUCTUATIONS
WELLS NOS. 4057-F & 4057-H
RAYMOND BASIN
1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948

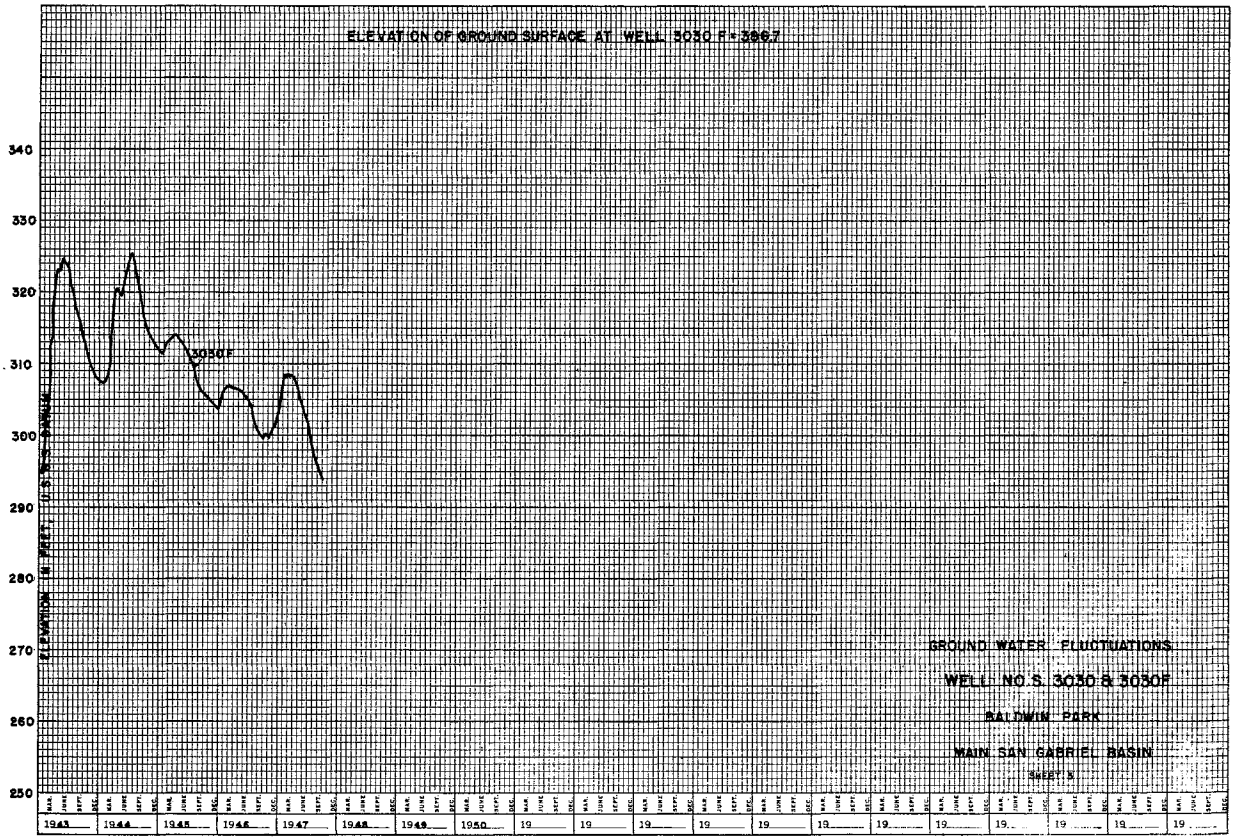

ELEVATION OF GROUND SURFACE AT WELL
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
DRY
DRY
DRY
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET I

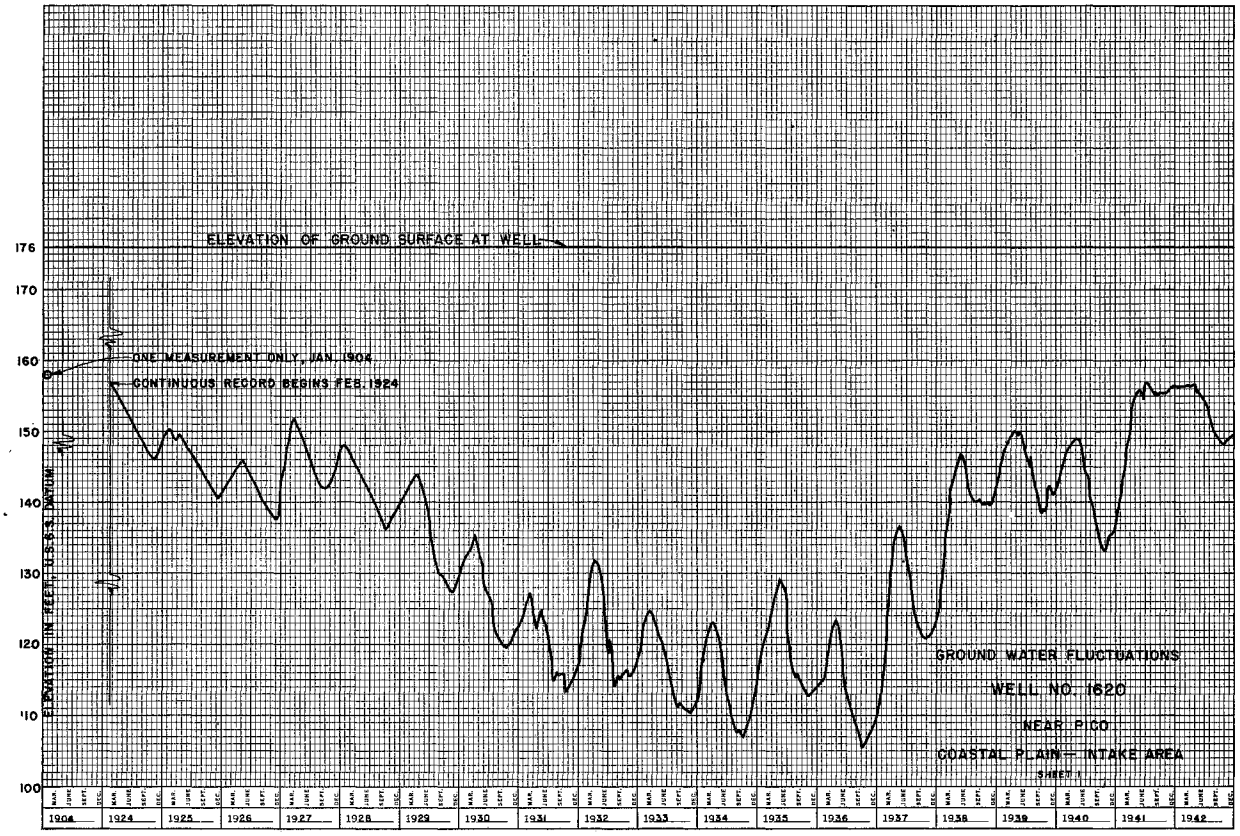

ELEVATION OF GROUND SURFACE AT WELL
ELEVATION IN FEET, U.S.G.S. DATUM
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
1944
1945
1946
1947
1948
1949
1950
19
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET II


ELEVATION OF GROUND SURFACE AT WELL +283.0
ELEVATION OF GROUND SURFACE AT WELL +283.0
GROUND WATER FLUCTUATIONS
WELL NO. 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
ELEVATION OF GROUND SURFACE AT WELL +283.0
ELEVATION IN FEET, U.S.G.S. DATUM
280
270
260
250
1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920
1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940
1941 1942 1943 1944 1945 1946 1947 1948 1949 1950

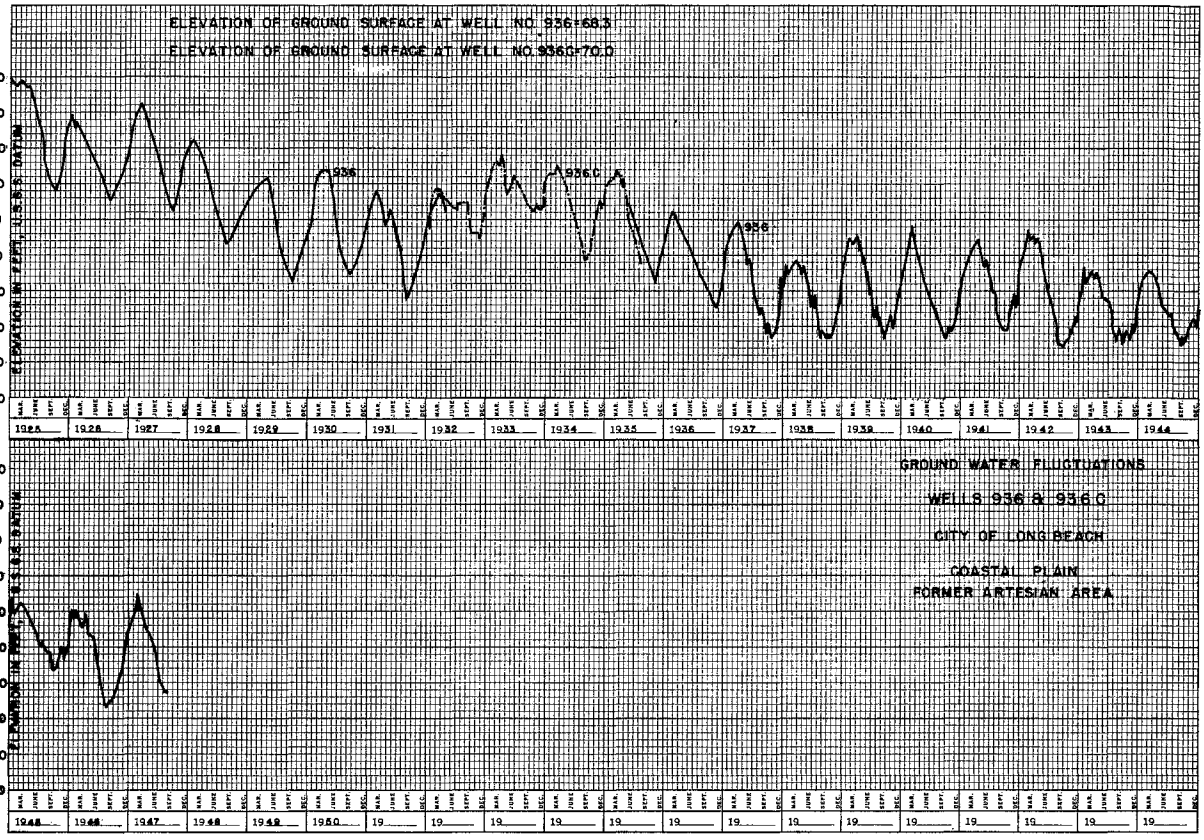

ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
3050
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
340
330
320
310
300
290
280
270
260
250
1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922

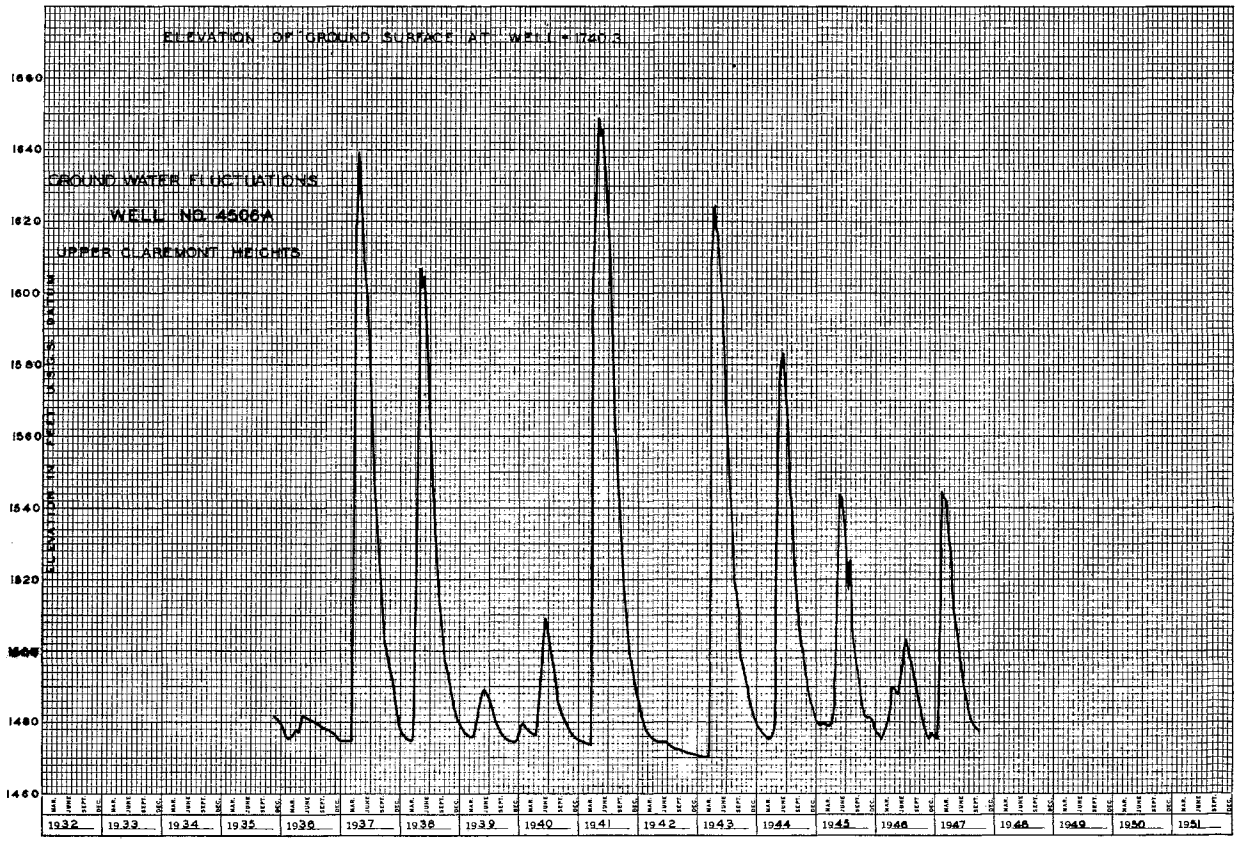

ELEVATION OF GROUND SURFACE AT WELL 3030=382.4
3030F=386.7
ELEVATION IN FEET, U.S.C.&G.S. DATUM
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND WATER FLUCTUATIONS
WELL NO.S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
340
330
320
310
300
290
280
270
260
250
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

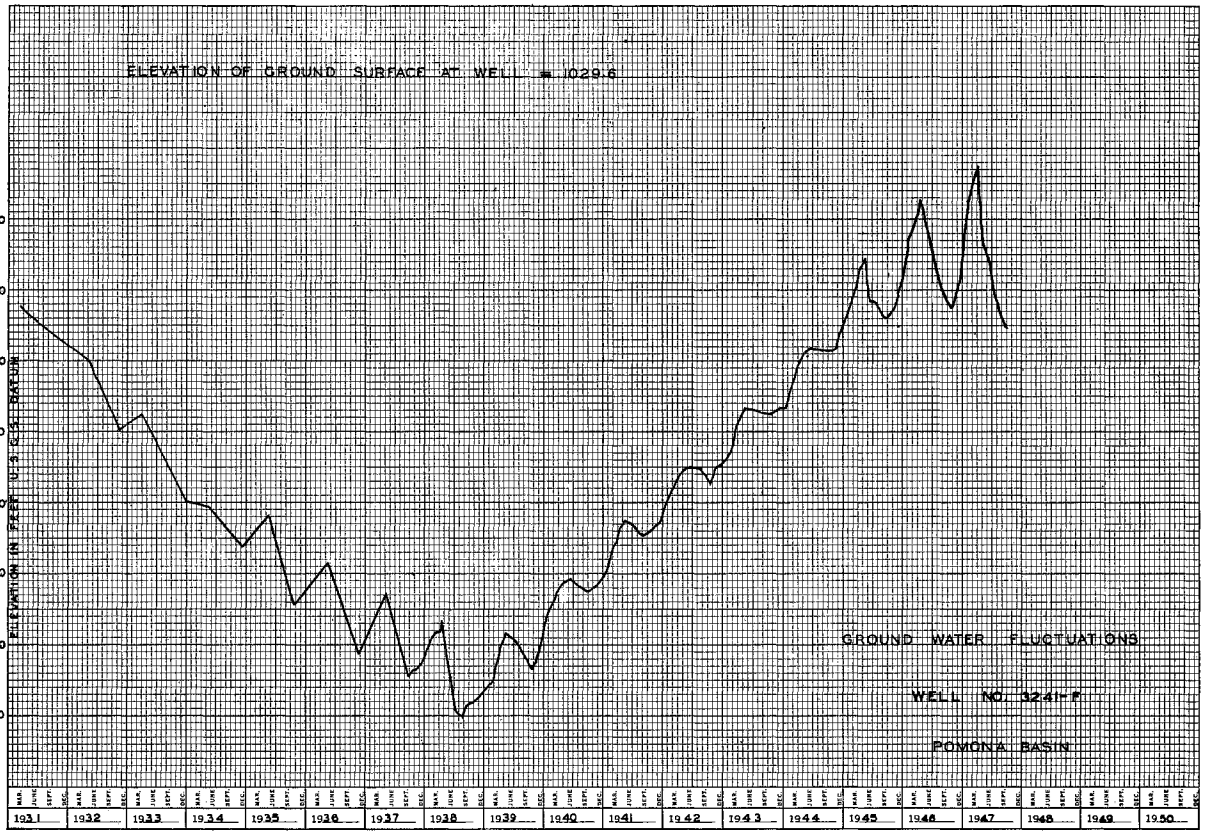

ELEVATION OF GROUND SURFACE AT WELL 3030 F=386.7
ELEVATION IN FEET, U.S.C.&G.S. DATUM
3030F
GROUND WATER FLUCTUATIONS
WELL NO.S. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 3
340
330
320
310
300
290
280
270
260
250
1943
1944
1945
1946
1947
1948
1949
1950

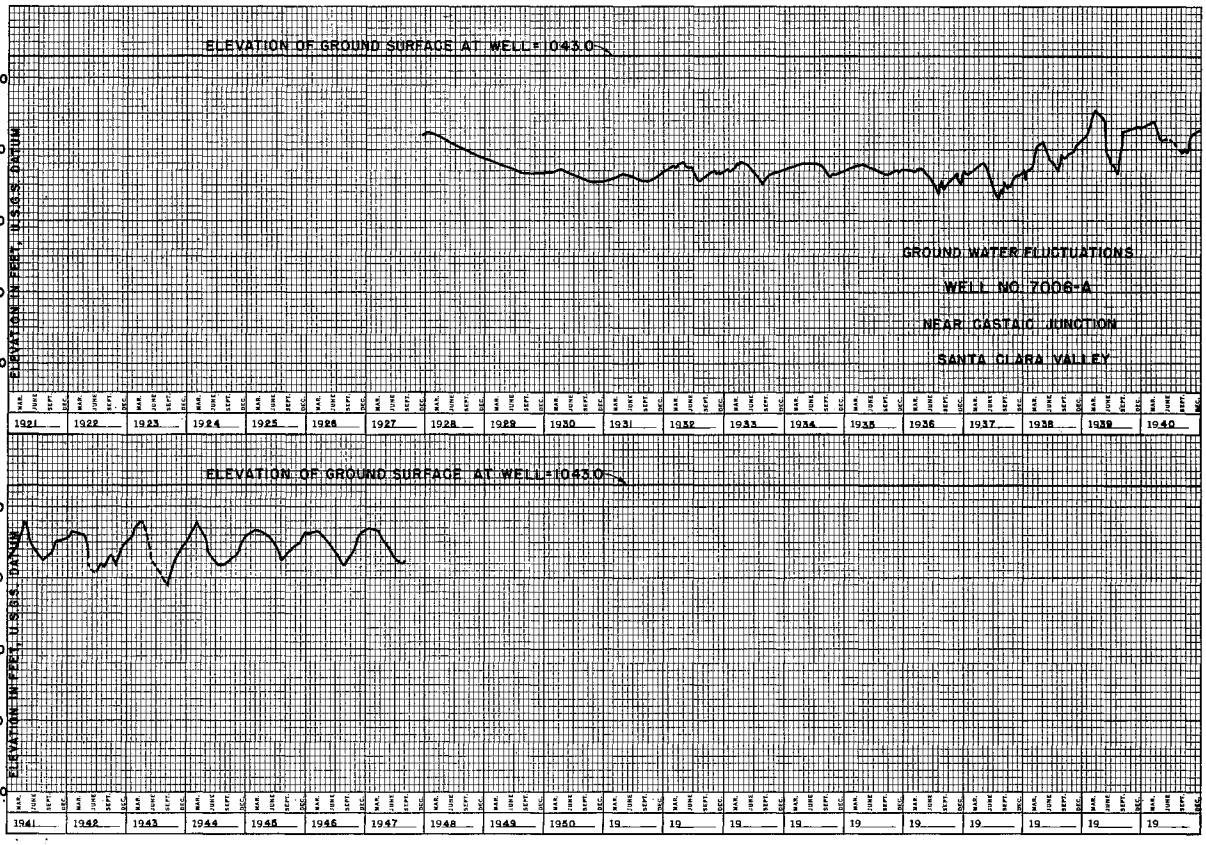

ELEVATION OF GROUND SURFACE AT WELL
ONE MEASUREMENT ONLY, JAN. 1904
CONTINUOUS RECORD BEGINS FEB. 1924
ELEVATION IN FEET, U.S.G.S. DATUM
176
170
160
150
140
130
120
110
100
1904
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
GROUND WATER FLUCTUATIONS
WELL NO. 1620
NEAR PICO
COASTAL PLAIN — INTAKE AREA
SHEET 1

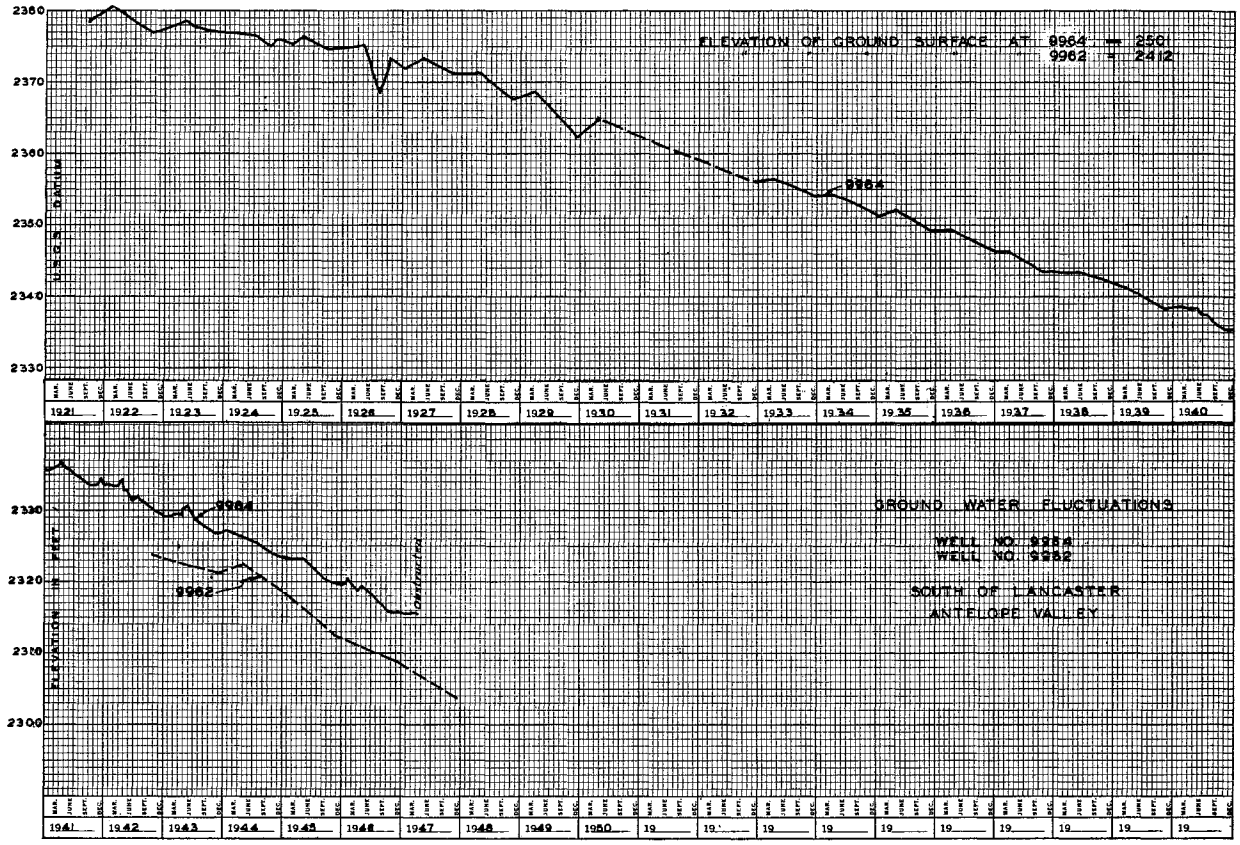

ELEVATION OF GROUND SURFACE AT WELL
ELEVATION IN FEET, U.S.G.S. DATUM
176
170
160
150
140
130
120
110
100
1943
1944
1945
1946
1947
1948
1949
1950
GROUND WATER FLUCTUATIONS
WELL NO. 1620
NEAR PICO
COASTAL PLAIN — INTAKE AREA
SHEET 2

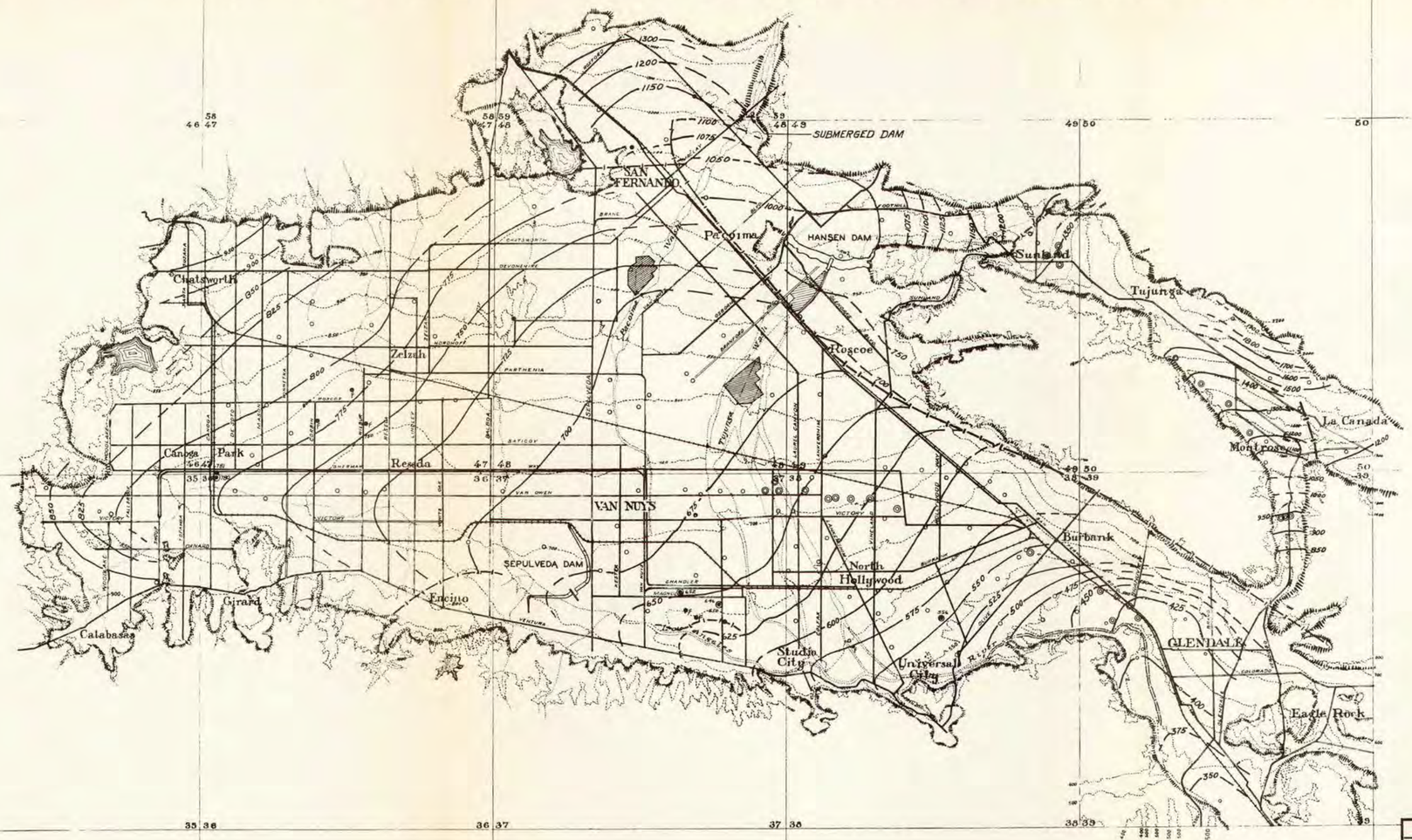

ELEVATION OF GROUND SURFACE AT WELL NO. 936=68.3
ELEVATION OF GROUND SURFACE AT WELL NO. 936C=70.0
936
936C
956
ELEVATION IN FEET, U.S.C.S. DATUM
GROUND WATER FLUCTUATIONS
WELLS 936 & 936C
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA


ELEVATION OF GROUND SURFACE AT WELL = 1740.3
GROUND WATER FLUCTUATIONS
WELL NO. 4S/6A
UPPER CLAREMONT HEIGHTS
ELEVATION IN FEET, U.S.C.S. DATUM


ELEVATION OF GROUND SURFACE AT WELL = 1029.6
ELEVATION IN FEET, U.S.G.S. DATUM
800
780
760
740
720
700
680
660
GROUND WATER FLUCTUATIONS
WELL NO. 3241-F
POMONA BASIN
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950


ELEVATION OF GROUND SURFACE AT WELL = 1043.0
ELEVATION IN FEET, U.S.G.S. DATUM
1040
1030
1020
1010
1000
GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
ELEVATION OF GROUND SURFACE AT WELL = 1043.0
ELEVATION IN FEET, U.S.G.S. DATUM
1040
1030
1020
1010
1000
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950


ELEVATION OF GROUND SURFACE AT 9964 = 2501
9962 = 2412
9964
9962
GROUND WATER FLUCTUATIONS
WELL NO. 9964
WELL NO. 9962
SOUTH OF LANCASTER
ANTELOPE VALLEY
USGS DATUM
ELEVATION IN FEET
2360
2370
2360
2350
2340
2330
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950



LEGEND

- ○ Wells representative of average ground water elevations, with comparable depth of hole, chemical analysis of water, and elevation of perforations.
- ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- • Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ⊙ Wells of shallow depth, with perched water indications.
- ◆ Wells of deep water strata, not related to those of average wells.
- Lines of equal free ground water levels or of equal pressures
- Ditto, – location approximate
- Faults and other barriers to free ground water movement.
- Surface Contours
- Spreading Grounds

Scale in Miles

F = Flowing Well.

PREPARED BY E.J.Z.
TRACED BY
CHECKED BY

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOV. 1945

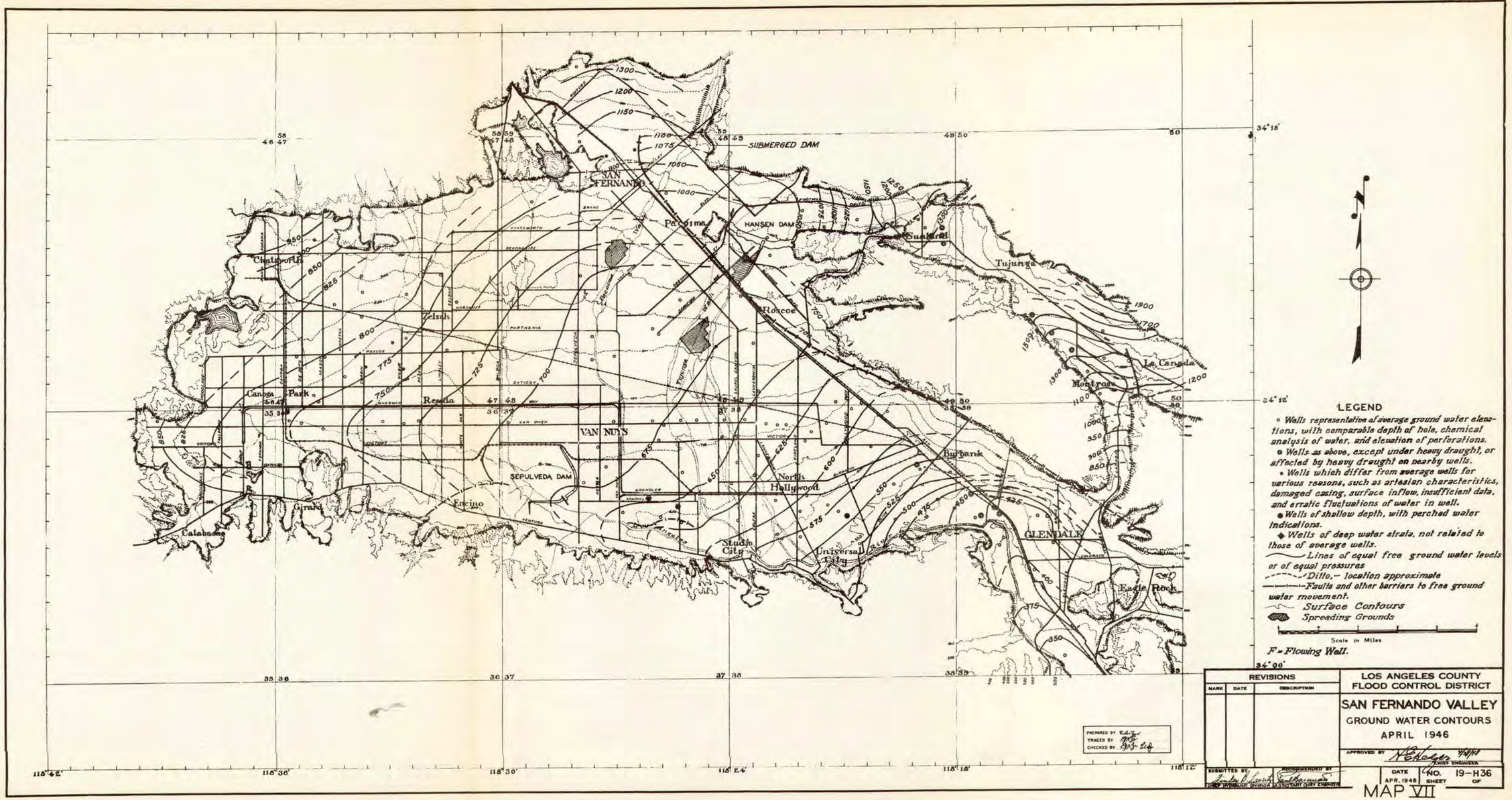
APPROVED BY H.E.Hedger 3/5/48 CHIEF ENGINEER

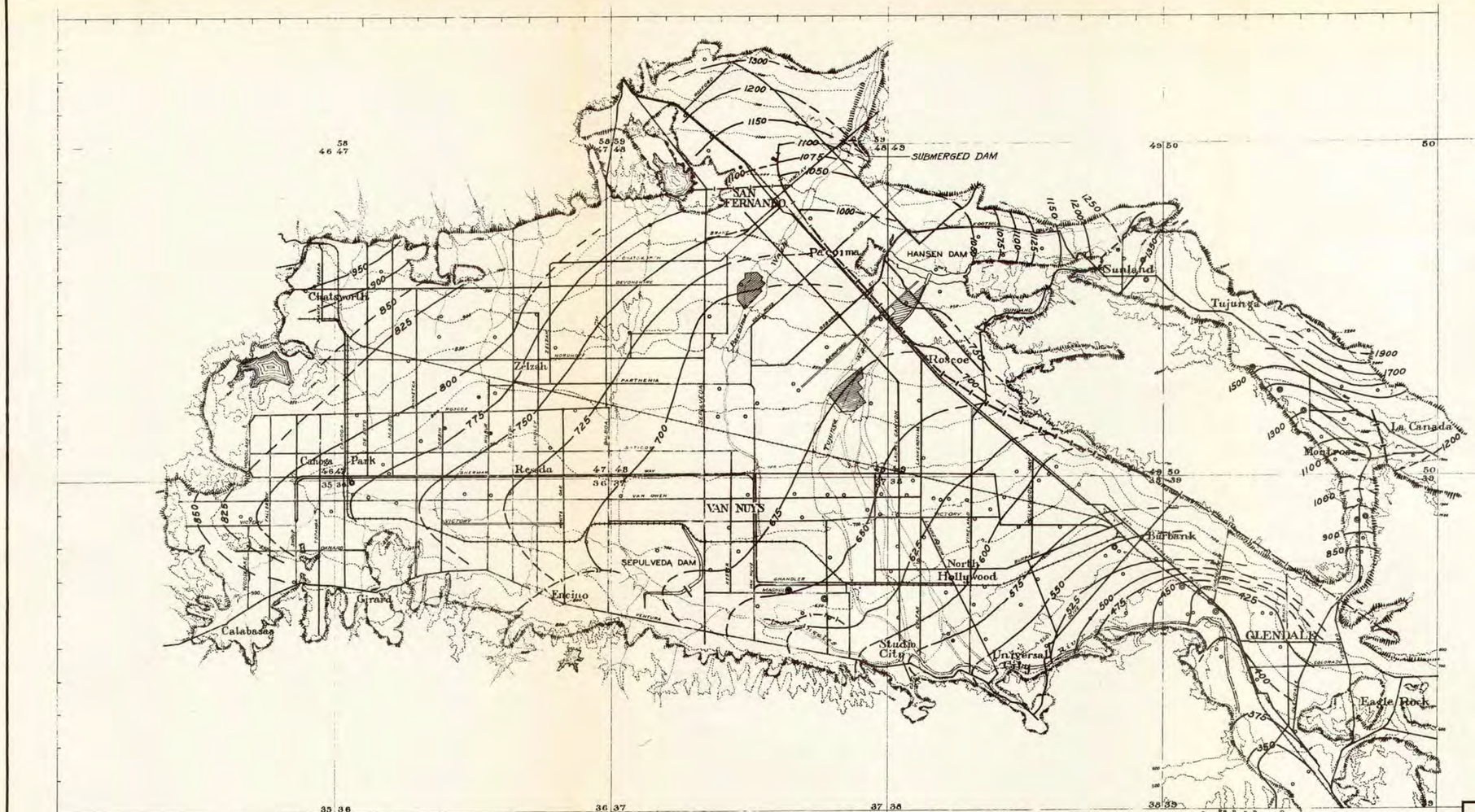
SUBMITTED BY Frederick Lantz CHIEF HYDRAULIC DIVISION

RECOMMENDED BY Ted Mamer ASSISTANT CHIEF ENGINEER

DATE FEB. 1948 | NO. 19-H35 SHEET OF

MAP VI


SUBMERGED DAM
SAN FERNANDO
Pacoima
HANSEN DAM
Sunland
Tujunga
Roscoe
Chatsworth
Zelzah
Canoga Park
Reseda
VAN NUYS
SEPULVEDA DAM
Encino
Girard
Calabasas
Studio City
Universal City
North Hollywood
Burbank
GLENDALE
Eagle Rock
La Canada
Montrose
LEGEND
Wells representative of average ground water elevations, with comparable depth of hole, chemical analysis of water, and elevation of perforations.
Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
Wells of shallow depth, with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels or of equal pressures
Ditto,- location approximate
Faults and other barriers to free ground water movement.
Surface Contours
Spreading Grounds
Scale in Miles
F = Flowing Well.
PREPARED BY
TRACED BY
CHECKED BY
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1946
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
RECOMMENDED BY
CHIEF HYDRAULIC DIVISION
ASSISTANT CHIEF ENGINEER
DATE APR. 1948
DRG. NO. 19-H36
SHEET
OF
MAP VII



LEGEND

- ○ *Wells representative of average ground water elevations, with comparable depth of hole, chemical analysis of water, and elevation of perforations.*
- ⊙ *Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.*
- ⊙ *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.*
- ● *Wells of shallow depth, with perched water indications.*
- ◆ *Wells of deep water strata, not related to those of average wells.*
- *Lines of equal free ground water levels or of equal pressures*
- *Ditto,- location approximate*
- *Faults and other barriers to free ground water movement.*
- *Surface Contours*
- *Spreading Grounds*

Scale in Miles

F = Flowing Well.

PREPARED BY E.J.T.
TRACED BY
CHECKED BY

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

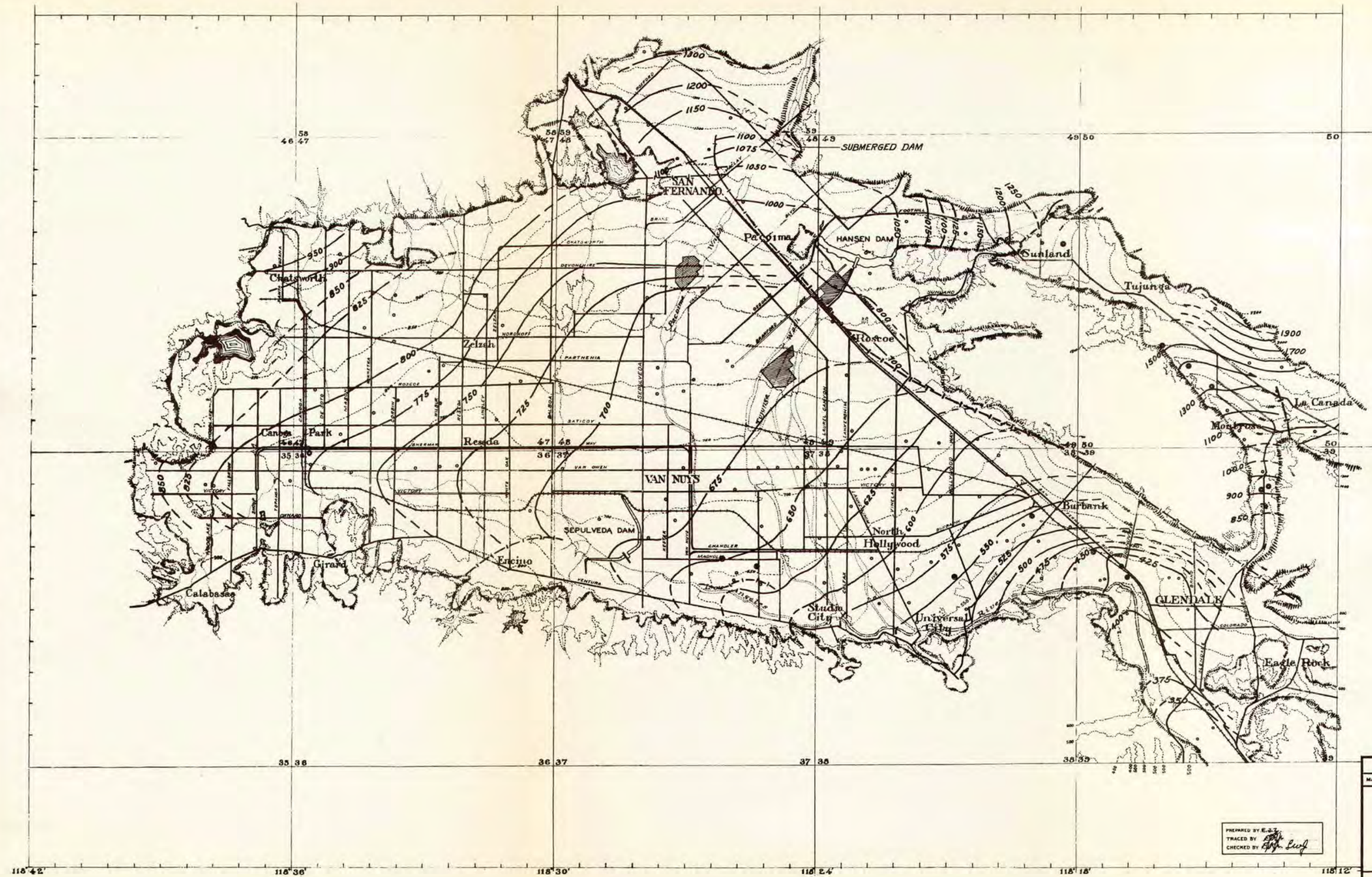
SAN FERNANDO VALLEY
GROUND WATER CONTOURS
NOVEMBER 1946

APPROVED BY H.R. Hagen 4/29/48 CHIEF ENGINEER

RECOMMENDED BY John B. Lewis Jr. CHIEF HYDRAULIC ENGINEER

DATE APR. 1948 NO. 19-H37 SHEET OF

MAP VIII



LEGEND

- ○ *Wells representative of average ground water elevations, with comparable depth of hole, chemical analysis of water, and elevation of perforations.*
- ⊙ *Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.*
- • *Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.*
- ● *Wells of shallow depth, with perched water indications.*
- ◆ *Wells of deep water strata, not related to those of average wells.*
- *Lines of equal free ground water levels or of equal pressures*
- *Ditto,- location approximate*
- *Faults and other barriers to free ground water movement.*
- *Surface Contours*
- *Spreading Grounds*

Scale in Miles

F = Flowing Well.

PREPARED BY E.A.S.
TRACED BY
CHECKED BY

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

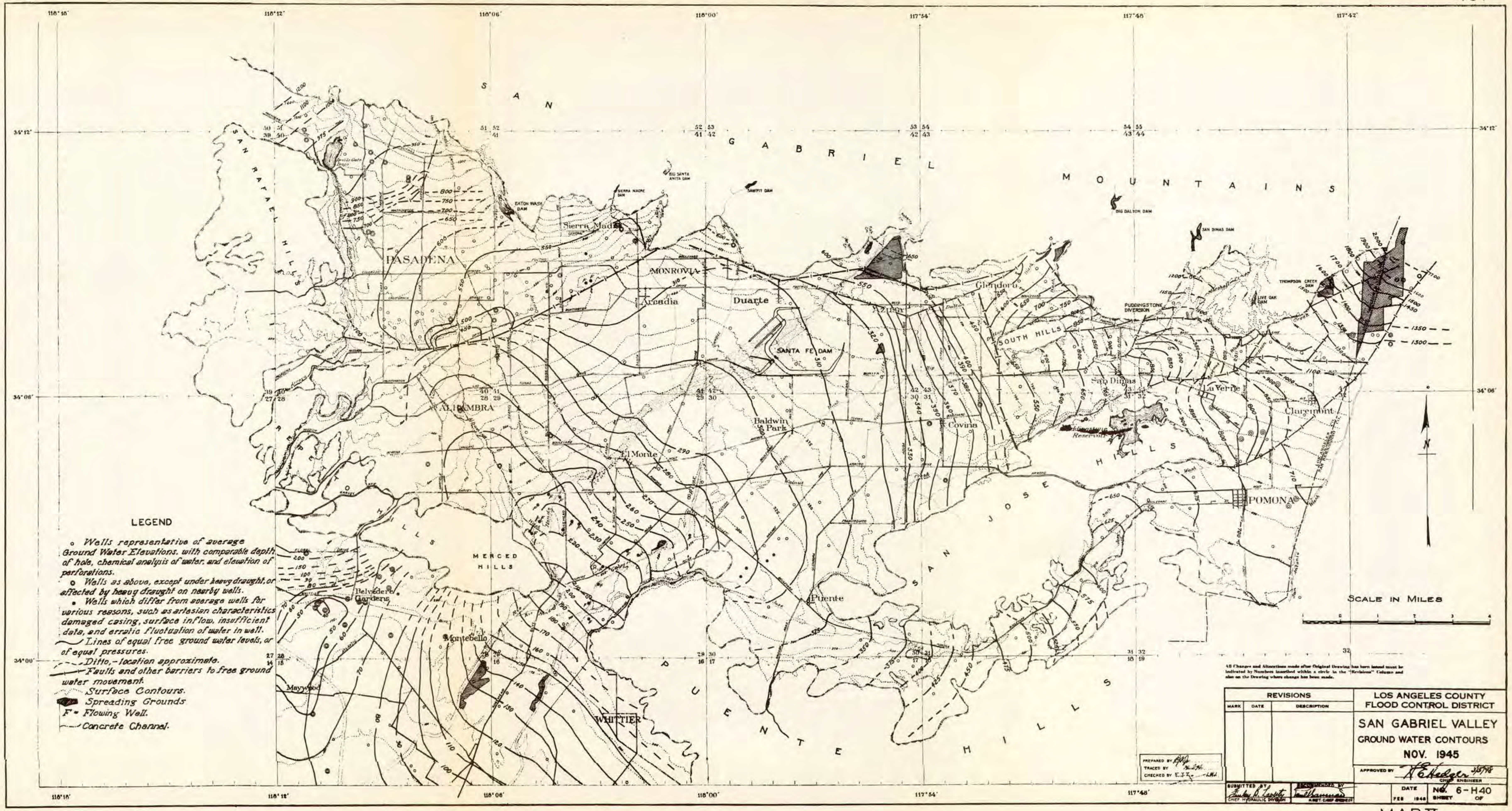
SAN FERNANDO VALLEY
GROUND WATER CONTOURS
APRIL 1947

APPROVED BY H. A. Hadley 4/48 CHIEF ENGINEER

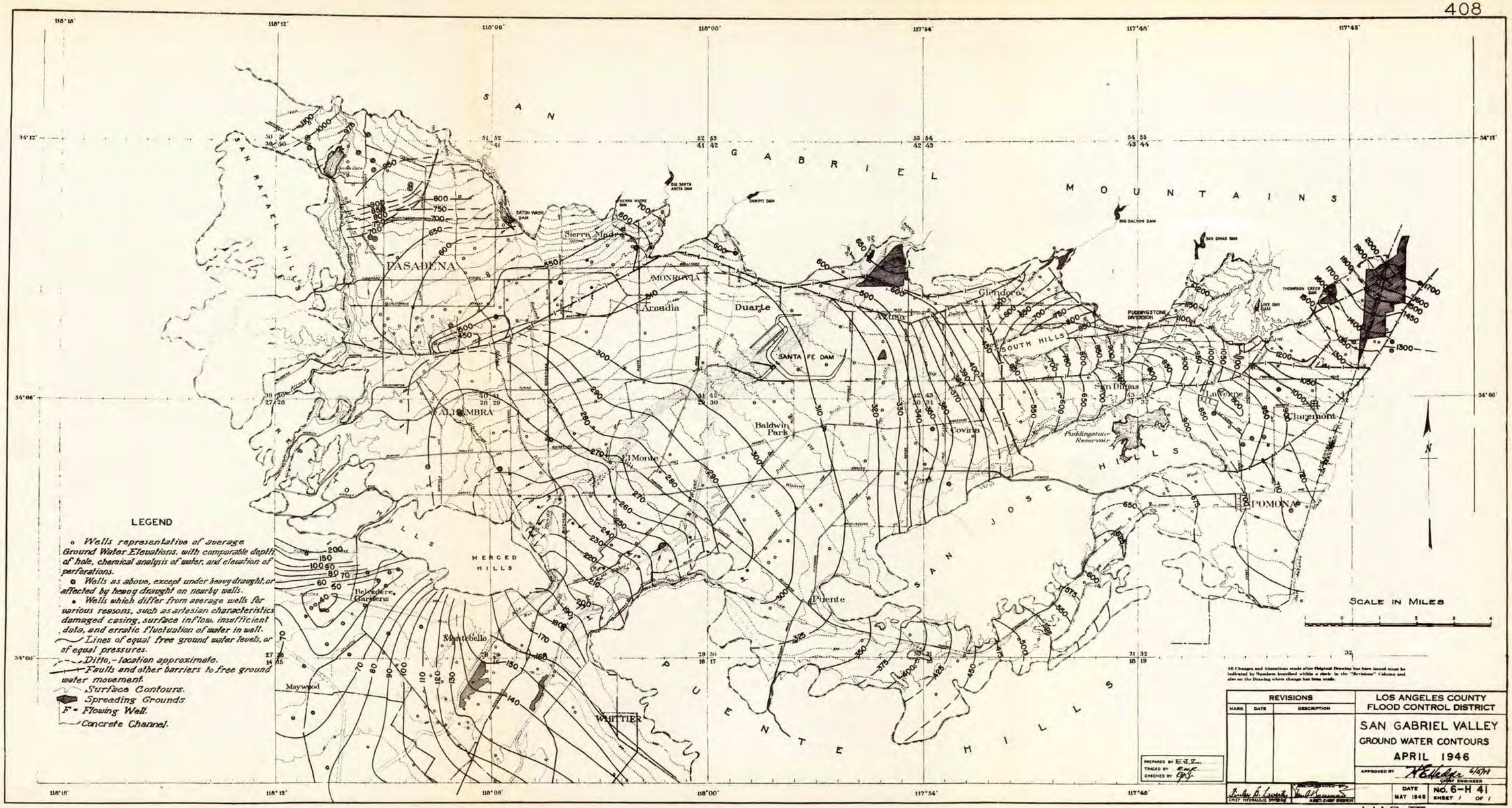
RECOMMENDED BY Finley B. Laverty CHIEF HYDRAULIC DIVISION Paul Kramer ASSISTANT CHIEF ENGINEER

DATE APR. 1948 NO. SHEET 19-H38 OF

MAP IX


SAN GABRIEL MOUNTAINS
SAN RAFAEL HILLS
REPETTO HILLS
MERCED HILLS
PUENTE HILLS
SAN JOSE HILLS
SOUTH HILLS
PASADENA
Sierra Madre
MONROVIA
Arcadia
Duarte
Azusa
Glendora
San Dimas
La Verne
Claremont
POMONA
Covina
Baldwin Park
El Monte
ALHAMBRA
Puente
Belvedere Gardens
Montebello
Maywood
WHITTIER
SANTA FE DAM
EATON WASH DAM
SIERRA MADRE DAM
BIG SANTA ANITA DAM
SAWPIT DAM
BIG DALTON DAM
SAN DIMAS DAM
THOMPSON CREEK DAM
LIVE OAK DAM
PUDDINGSTONE DIVERSION
LEGEND
Wells representative of average Ground Water Elevations, with comparable depth of hole, chemical analysis of water, 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
REVISIONS
MARK
DATE
DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOV. 1945
PREPARED BY
TRACED BY
CHECKED BY
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF HYDRAULIC DIVISION
RECOMMENDED BY
ASST. CHIEF ENGINEER
DATE
FEB 1946
NO. 6-H40
SHEET OF
118°18'
118°12'
118°06'
118°00'
117°54'
117°48'
117°42'
34°12'
34°06'
34°00'

MAP X



LEGEND

- Wells representative of average Ground Water Elevations, with comparable depth of hole, chemical analysis of water, and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- Ditto, - location approximate.
- Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY E.J.Z.
TRACED BY A.M.C.
CHECKED BY E.J.Z.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

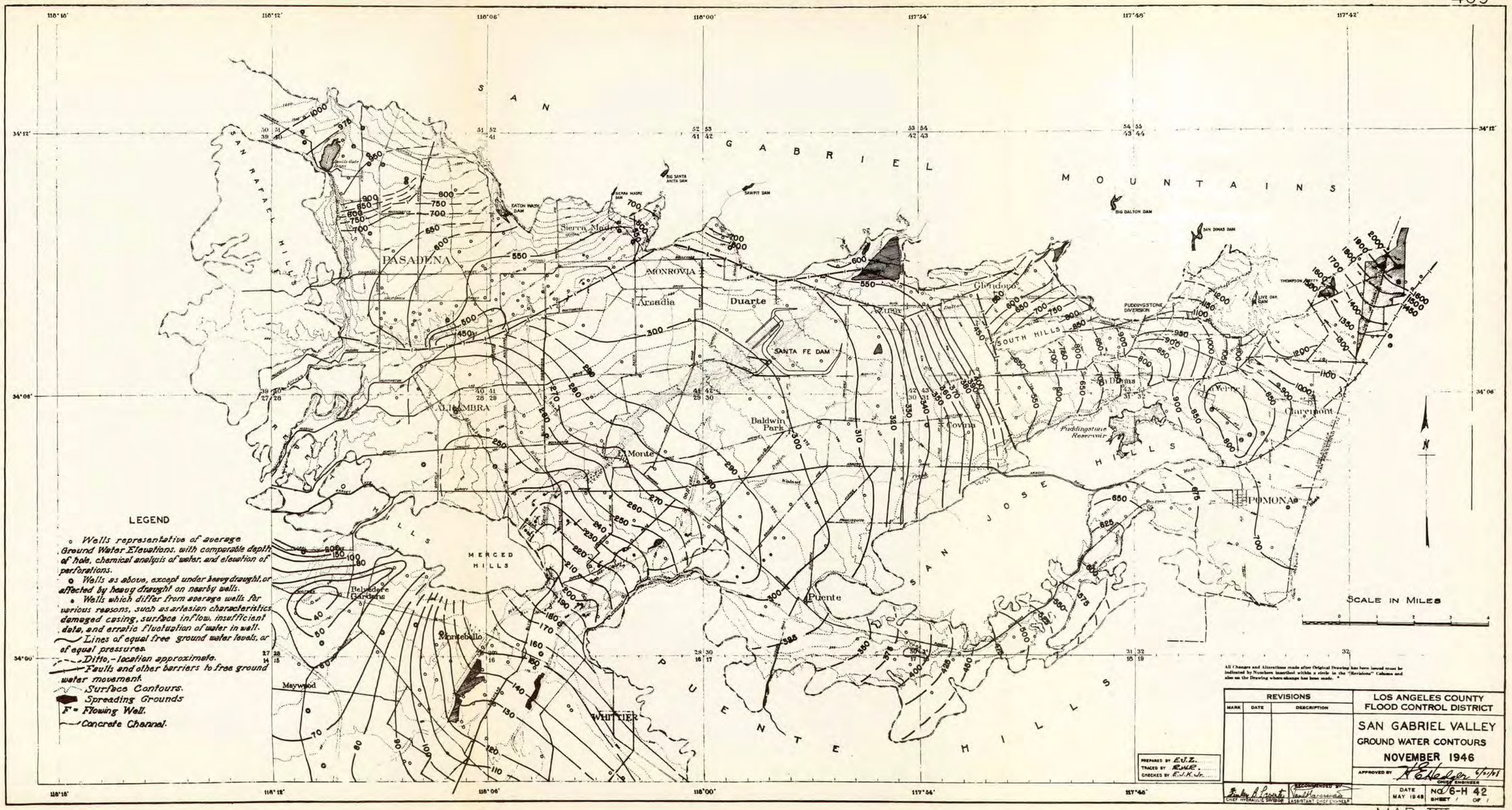
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1946

APPROVED BY H.E. Hasler 6/6/46 CHIEF ENGINEER

RECOMMENDED BY: Emley A. Lewis CHIEF HYDRAULIC ENGINEER; Walter L. Ramsey ASST. CHIEF ENGINEER

DATE MAY 1946 | NO. 6-H 41 | SHEET 1 OF 1

MAP XI



All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Columns and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY E.J.L.
TRACED BY E.J.K.
CHECKED BY E.J.K. Jr.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER 1946

APPROVED BY H. E. Hasler 6/1/48
CHIEF ENGINEER

RECOMMENDED BY
CHIEF HYDRAULIC DIVISION — ASSISTANT CHIEF ENGINEER

DATE MAY 1948
No. 6-H 42
SHEET 1 OF 1

MAP XII

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Columns and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1947

PREPARED BY E.J.T.
TRACED BY R.W.E.
CHECKED BY E.J.T.

APPROVED BY H.C. Hasler 6/1/48
CHIEF ENGINEER

RECOMMENDED BY Paul Hansen
ASSISTANT CHIEF ENGINEER

Evelyn B. Tuttle
CHIEF HYDRAULIC ENGINEER

DATE MAY 1948

606-H 43

MAP XIII

COASTAL PLAIN
GROUND WATER CONTOURS
NOV. 1945

SANTA MONICA MOUNTAINS

LOS ANGELES

BALDWIN HILLS

PUENTE HILLS

DOMINGUEZ HILLS

SAN PEDRO HILLS

SIGNAL HILL

LONG BEACH

SAN PEDRO BAY

ORANGE COUNTY

Beverly Hills
Culver City
SANTA MONICA
Venice
Palms
Belvedere Gardens
Vernon
Montebello
El Monte
Maywood
HUNTINGTON PARK
WHITTIER
INGLEWOOD
South Gate
WATTS
Downey
Santa Fe Springs
El Segundo
Hawthorne
Athens
Lynwood
Norwalk
Manhattan Beach
Gardena
COMPTON
Clearwater
Hynes
Bellflower
Hermosa Beach
Artesia
Virginia City
Redondo Beach
Torrance
Harbor City
Wilmington
SAN PEDRO

34°06'
34°00'
33°54'
33°48'
118°36'
118°24'
118°18'
118°12'
118°06'

LEGEND

- Wells representative of average Ground Water Elevations with comparable depth of hole, chemical analysis of water, and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- Wells of shallow depth with perched water indications.
- Wells of deep water strata, not related to those of average wells.
- Lines of equal free ground water levels, or of equal pressures. *
- Ditto, - location approximate. *
- Faults and other barriers to free ground water movement.
- * Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. "45, 1933; south of barriers U.S.G.S., 1947)
- Los Angeles County Flood Control District Spreading Grounds.
- Surface Contours
- F Flowing Well

Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

SCALE IN MILES

0 1 2 3 4 5

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Columns and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PREPARED BY [illegible]
TRACED BY [illegible]
CHECKED BY E.J. [illegible]

SUBMITTED BY Finley O. Laverty, CHIEF HYDRAULIC DIVISION
RECOMMENDED BY Paul Sorensen, ASSISTANT CHIEF ENGINEER
APPROVED BY [illegible], CHIEF ENGINEER 3/5/46

SCALE GRAPHIC | DATE FEB. 1946 | NO. 2-H77 | SHEET OF

MAP XIV


SANTA MONICA MOUNTAINS
LOS ANGELES
PUENTE HILLS
BALDWIN HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
ORANGE COUNTY
SAN PEDRO BAY
Beverly Hills
Sawtelle
Palms
Culver City
SANTA MONICA
Venice
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Gardena
Athens
WATTS
Lynwood
South Gate
HUNTINGTON PARK
Maywood
Vernon
Belvedere Gardens
Montebello
Alhambra
El Monte
WHITTIER
Downey
Santa Fe Springs
Norwalk
COMPTON
Clearwater
Hynes
Bellflower
Artesia
Virginia City
Harbor City
Wilmington
LONG BEACH
SAN PEDRO
SIGNAL HILL
Free Levels
Pressure Levels
LEGEND
Wells representative of average Ground Water Elevations with comparable depth of hole, chemical analysis of water, and elevation of perforations.
Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
Wells of shallow depth with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels, or of equal pressures. *
Ditto, - location approximate. *
Faults and other barriers to free ground water movement.
Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
Los Angeles County Flood Control District Spreading Grounds.
Surface Contours
F Flowing Well
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
SCALE IN MILES
0 1 2 3 4 5
REVISIONS
MARK DATE DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
APRIL 1946
APPROVED BY
CHIEF ENGINEER
CHIEF HYDRAULIC DIVISION
ASSISTANT CHIEF ENGINEER
DATE JUNE 1946
NO. 2-H 81
SHEET 1 OF 1
118°36'
118°24'
118°18'
118°12'
118°06'
34°00'
33°54'
33°48'

MAP XV

SANTA MONICA MOUNTAINS

LOS ANGELES

PUENTE HILLS

ORANGE COUNTY

SAN PEDRO BAY

Beverly Hills
Sawtelle
SANTA MONICA
Venice
Palms
Culver City
BALDWIN HILLS
Vernon
Maywood
HUNTINGTON PARK
Belvedere Gardens
Montebello
El Monte
WHITTIER
INGLEWOOD
Southgate
WATTS
Downey
Santa Fe Springs
El Segundo
Hawthorne
Athens
Lynwood
Norwalk
Manhattan Beach
Gardena
COMPTON
Clearwater
Hynes
Bellflower
Hermosa Beach
DOMINGUEZ HILLS
Virginia City
Artesia
Redondo Beach
Torrance
Harbor City
Wilmington
SAN PEDRO HILLS
SAN PEDRO
LONG BEACH
SIGNAL HILL

LEGEND

- Wells representative of average Ground Water Elevations with comparable depth of hole, chemical analysis of water, and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- Wells of shallow depth with perched water indications.
- Wells of deep water strata, not related to those of average wells.
- Lines of equal free ground water levels, or of equal pressures. *
- Ditto, - location approximate. *
- Faults and other barriers to free ground water movement.
- * Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. "45, 1933; south of barriers U.S.G.S., 1947)
- Los Angeles County Flood Control District Spreading Grounds.
- Surface Contours
- F Flowing well

Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet. U.S.G.S. datum.

SCALE IN MILES

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
NOVEMBER 1946

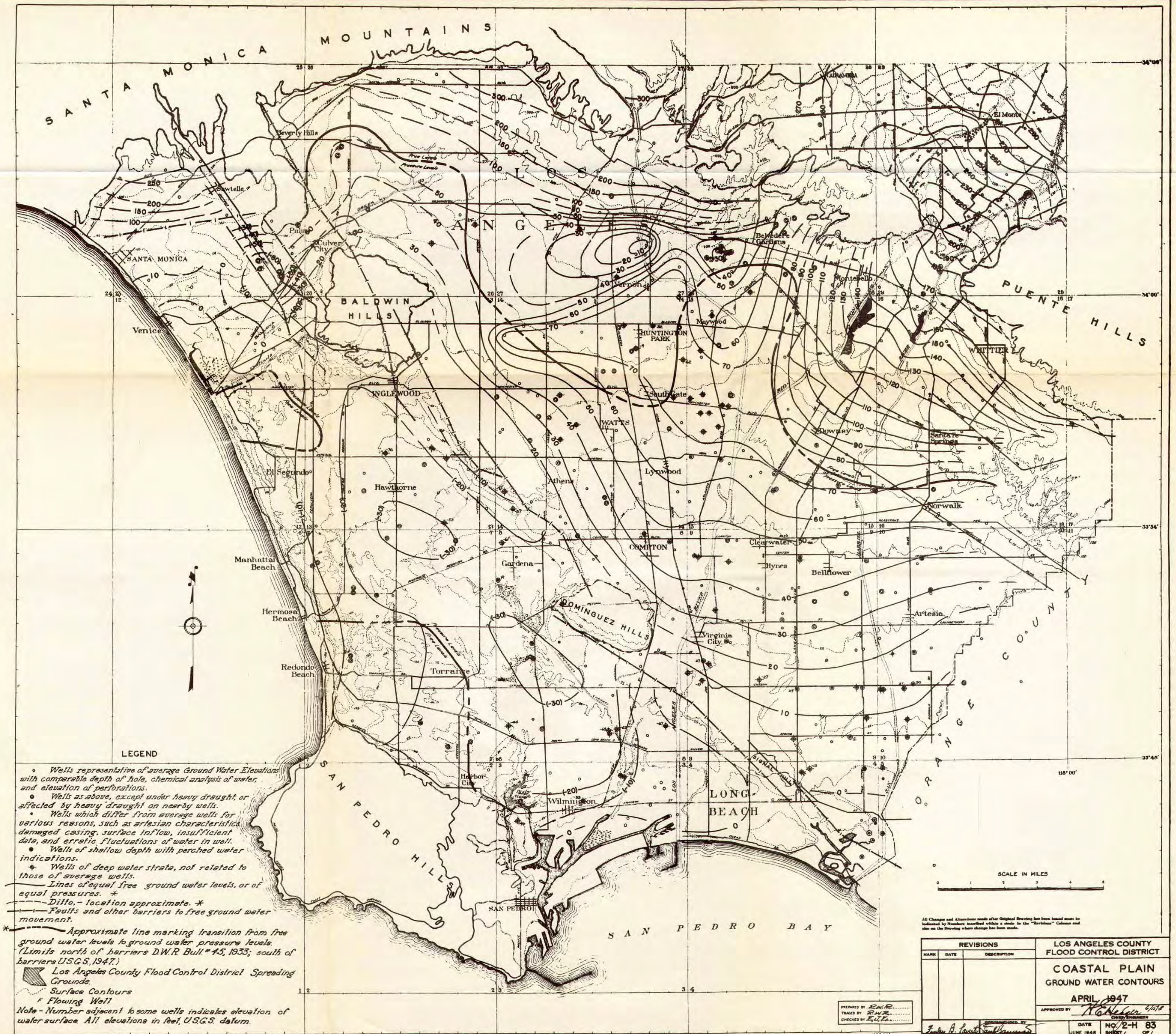
APPROVED BY H.E. Hetzer 6/14/47 CHIEF ENGINEER

RECOMMENDED BY Finlay B. Foster CHIEF HYDRAULIC DIVISION; Earl Bennett ASSISTANT CHIEF ENGINEER

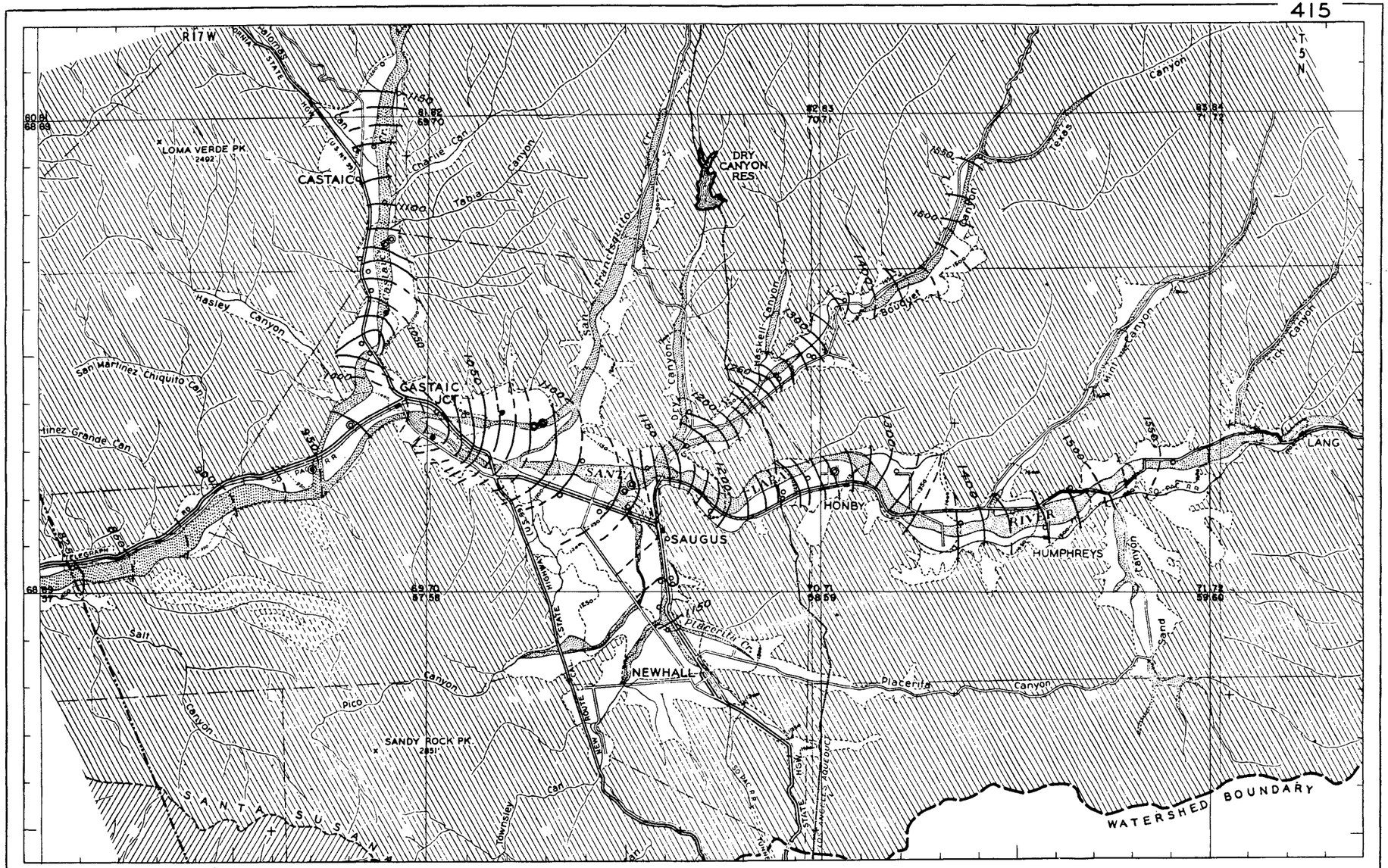
DATE JUNE 1948 | NO. 2-H 82 | SHEET 1 OF 1

PREPARED BY R.M.R.
TRACED BY R.M.R.
CHECKED BY Ed D.

MAP XVI


SANTA MONICA MOUNTAINS
LOS ANGELES
PUENTE HILLS
BALDWIN HILLS
DOMINGUEZ HILLS
SAN PEDRO HILLS
ORANGE COUNTY
SAN PEDRO BAY
Beverly Hills
Sawtelle
SANTA MONICA
Palms
Culver City
Venice
INGLEWOOD
El Segundo
Hawthorne
Manhattan Beach
Hermosa Beach
Redondo Beach
Torrance
Gardena
Vernon
Maywood
HUNTINGTON PARK
South Gate
WATTS
Athens
Lynwood
COMPTON
Clearwater
Hynes
Bellflower
Artesia
Virginia City
Harbor City
Wilmington
LONG BEACH
SAN PEDRO
Belvedere Gardens
Montebello
El Monte
Alhambra
WHITTIER
Santa Fe Springs
Downey
Norwalk
LEGEND
Wells representative of average Ground Water Elevations with comparable depth of hole, chemical analysis of water, and elevation of perforations.
Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
Wells which differ from average wells for various reasons, such as artesian characteristics damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
Wells of shallow depth with perched water indications.
Wells of deep water strata, not related to those of average wells.
Lines of equal free ground water levels, or of equal pressures. *
Ditto, - location approximate. *
Faults and other barriers to free ground water movement.
* Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947.)
Los Angeles County Flood Control District Spreading Grounds.
Surface Contours
F Flowing Well
Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.
SCALE IN MILES
0 1 2 3 4 5
All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inscribed within a circle in the "Revisions" Column and also on the Drawing where change has been made.
REVISIONS
MARK DATE DESCRIPTION
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
APRIL, 1947
APPROVED BY
CHIEF ENGINEER
PREPARED BY R.W.R.
TRACED BY R.W.R.
CHECKED BY E.J.K.
CHIEF HYDRAULIC DIVISION
RECOMMENDED BY
ASSISTANT CHIEF ENGINEER
DATE JUNE 1948
NO. 2-H 83
SHEET 1 OF 1

MAP XVII



LEGEND

- MOUNTAIN AREA. TOE OF MOUNTAIN. HABITABLE FOOTHILL AREA.
- WELLS REPRESENTATIVE OF AVERAGE GROUND WATER ELEVATIONS.
- WELLS AS ABOVE EXCEPT UNDER HEAVY DRAUGHT OR AFFECTED BY HEAVY DRAUGHT OF NEARBY WELLS.
- WELLS WITH ARTESIAN CHARACTERISTICS.
- 1250 — LINES OF EQUAL GROUND WATER LEVELS.
- LINES OF EQUAL GROUND WATER LEVELS, LOCATION APPROXIMATE.
- 1150 — GROUND SURFACE CONTOURS.

ALL ELEVATIONS U.S.G.S. DATUM.

SCALE 0 — 2 MILES

PREPARED BY
DRAWN BY
CHECKED BY

NOTE: BASE MAP ADAPTED FROM STATE DIVISION OF WATER RESOURCES BULLETIN NO. 46A.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SANTA CLARA VALLEY GROUND WATER CONTOURS NOVEMBER 1945

APPROVED BY H. E. Hedger 4/15/48 CHIEF ENGINEER

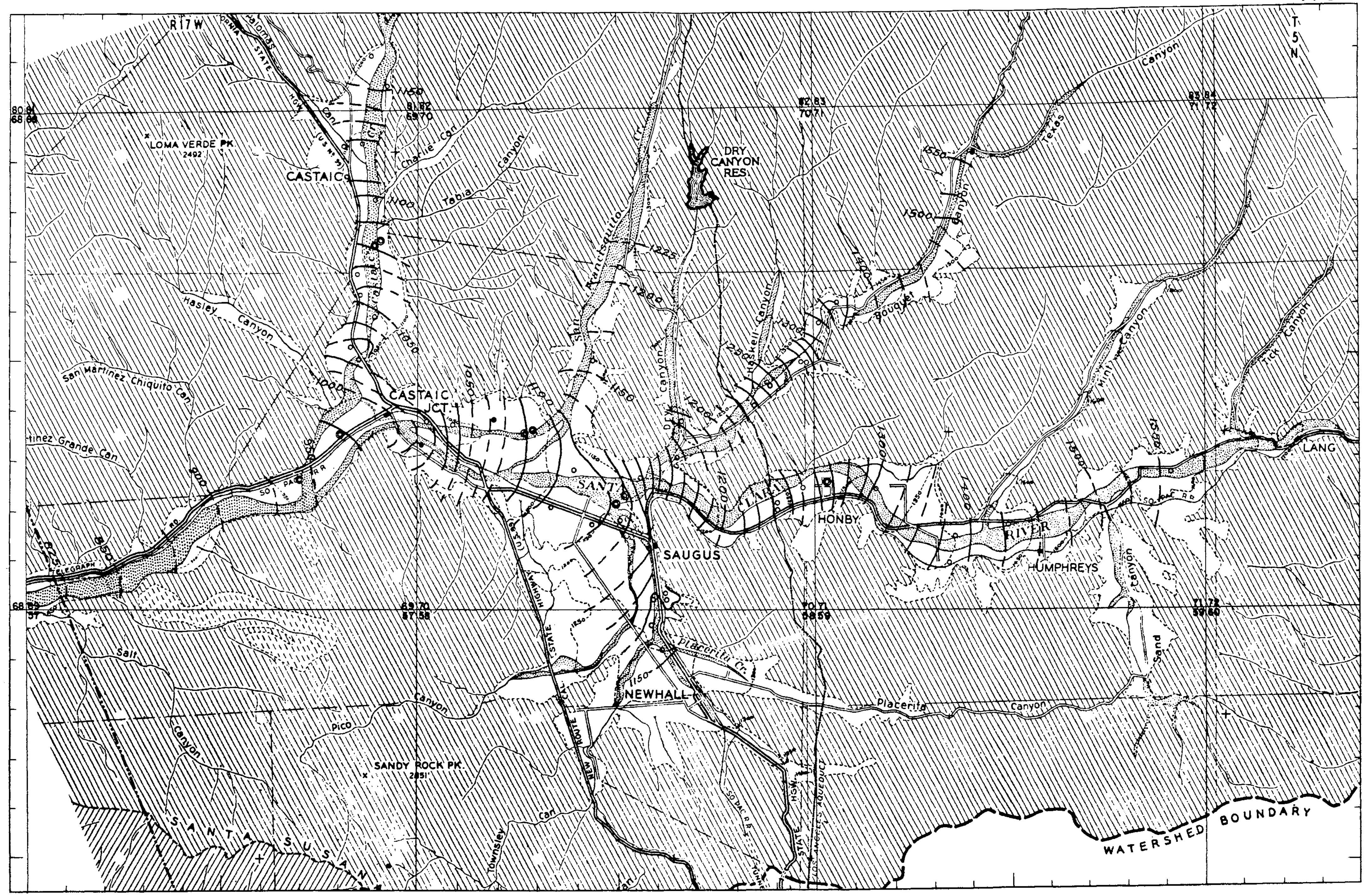
SUBMITTED BY Emily B. Laverty CHIEF, HYDRAULIC DIVISION

RECOMMENDED BY Paul Bannon ASST. CHIEF ENGINEER

DATE APRIL 1948

MAP XVIII

NO. 43-H3



LEGEND

- MOUNTAIN AREA.
- TOE OF MOUNTAIN.
- HABITABLE FOOTHILL AREA.
- ○ WELLS REPRESENTATIVE OF AVERAGE GROUND WATER ELEVATIONS.
- ◎ WELLS AS ABOVE EXCEPT UNDER HEAVY DRAUGHT OR AFFECTED BY HEAVY DRAUGHT OF NEARBY WELLS.
- ● WELLS WITH ARTESIAN CHARACTERISTICS.
- 1250 LINES OF EQUAL GROUND WATER LEVELS.
- LINES OF EQUAL GROUND WATER LEVELS, LOCATION APPROXIMATE.
- GROUND SURFACE CONTOURS.

ALL ELEVATIONS U.S.G.S. DATUM.

SCALE: 0 – 2 MILES

PREPARED BY E.J.H.
DRAWN BY
CHECKED BY

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

SANTA CLARA VALLEY

GROUND WATER CONTOURS

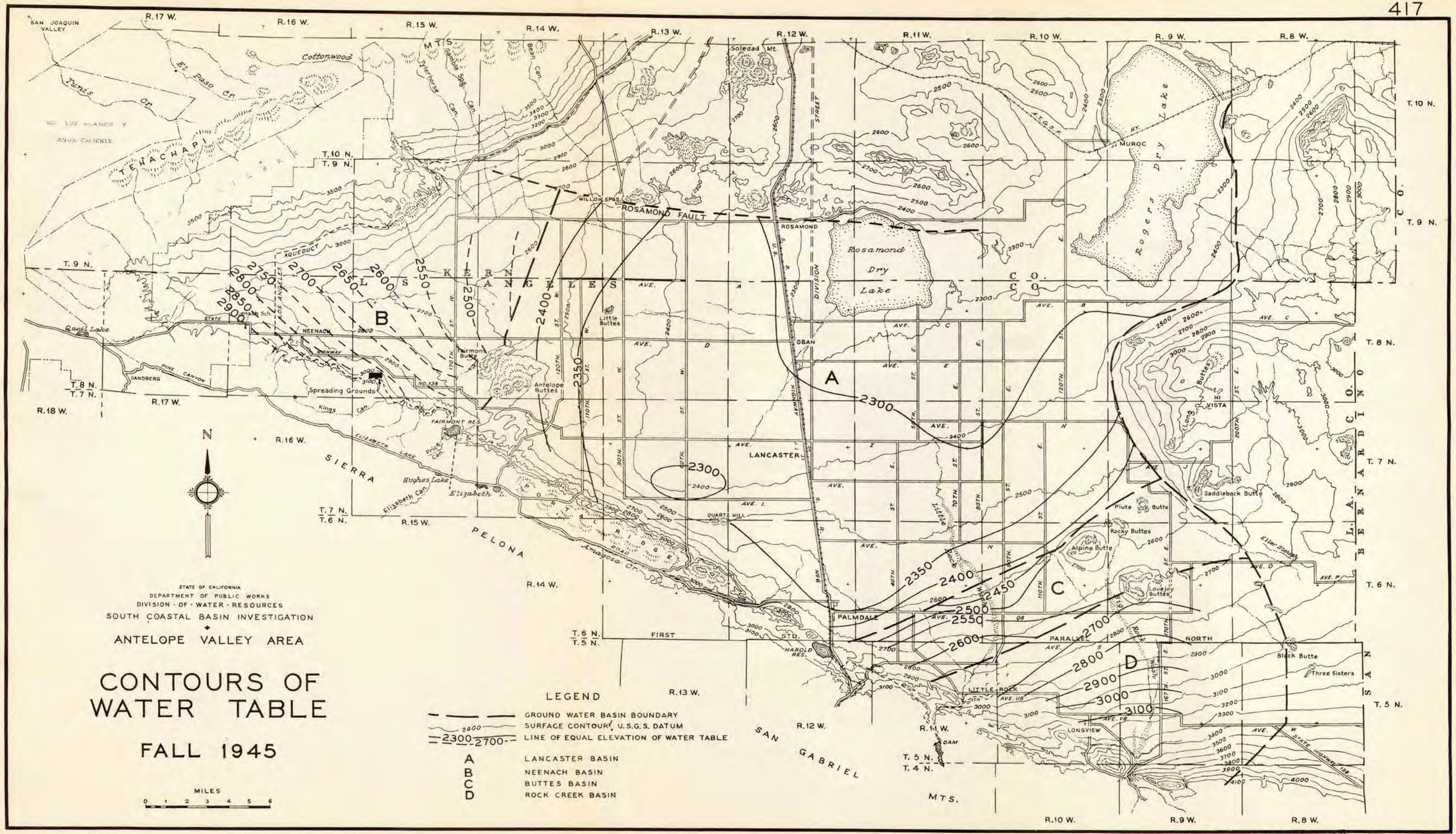
NOVEMBER 1946

APPROVED BY H.E. Hedger 4/28/48 CHIEF ENGINEER

SUBMITTED BY	RECOMMENDED BY	DATE
Finley B. Laverty, CHIEF, HYDRAULIC DIVISION	Paul Baumann, ASST. CHIEF ENGINEER	APRIL 1948

MAP XIX NO. 43-H4

NOTE: BASE MAP ADAPTED FROM STATE DIVISION OF WATER RESOURCES BULLETIN NO. 46A.



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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION · OF · WATER · RESOURCES
SOUTH COASTAL BASIN INVESTIGATION

ANTELOPE VALLEY AREA

CONTOURS OF WATER TABLE

FALL 1945

MILES
0 1 2 3 4 5 6

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2400 SURFACE CONTOUR, U.S.G.S. DATUM
- 2300-2700 LINE OF EQUAL ELEVATION OF WATER TABLE

A LANCASTER BASIN
B NEENACH BASIN
C BUTTES BASIN
D ROCK CREEK BASIN

MAP XX F.C. NO. 2-F81

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION · OF · WATER · RESOURCES
SOUTH COASTAL BASIN INVESTIGATION

ANTELOPE VALLEY AREA

CONTOURS OF WATER TABLE

· FALL - 1946 ·

MILES
0 1 2 3 4 5 6

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2400 SURFACE CONTOUR – U.S.G.S. DATUM
- 2300 LINE OF EQUAL ELEVATION OF WATER TABLE

A LANCASTER BASIN
B NEENACH BASIN
C BUTTES BASIN
D ROCK CREEK BASIN

MAP XXI F.C. NO. 2-F89