Bixby L. Lowry

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC AND WATER CONSERVATION DIVISIONS

REPORT TO M. E. SALSBURY, CHIEF ENGINEER
BIENNIAL REPORT
ON
HYDROLOGIC DATA
SEASONS 1961-62 AND 1962-63

ARTHUR E. BRUINGTON, ASSISTANT CHIEF DEPUTY ENGINEER

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JULY 1, 1964

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

P. O. BOX 2418, TERMINAL ANNEX
LOS ANGELES, CALIFORNIA 90054

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M. E. SALSBURY
CHIEF ENGINEER

2250 ALCAZAR STREET
LOS ANGELES

July 1, 1964

FILE NO. 2-40.04
Biennial Report on Hydrologic Data
Seasons 1961-62 and 1962-63
All Districts

Honorable Board of Supervisors
Los Angeles County Flood Control District
Room 383, Hall of Administration
500 West Temple Street
Los Angeles, California 90012

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 1961-62 and 1962-63. This report is the twenty-fourth of a series of annual or biennial reports which have been published covering thirty-six years of record.

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

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

Yours very truly,

M. E. Salsbury

M. E. Salsbury, Chief Engineer

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC AND WATER CONSERVATION DIVISIONS

July 1, 1964

File No. 2-40.04
Biennial Report on Hydrologic Data
Seasons 1961-62 and 1962-63

Mr. M. E. Salsbury, Chief Engineer
Los Angeles County Flood Control District
2250 Alcazar Street
Los Angeles, California 90033

Dear Mr. Salsbury:

Transmitted herewith is the ''Biennial Report on Hydrologic Data'' for the Seasons 1961-62 and 1962-63. This report includes data collected and compiled by the Hydraulic and Water Conservation Divisions of the District, which are presented as follows:

1. Precipitation
2. Evaporation
3. Runoff
4. Dam Operation
5. Debris Dams and Debris Basins
6. Ground Water and Water Conservation

Precipitation records include the daily record of 519 stations during the 1961-62 and 513 during the 1962-63 seasons, of which 95 per cent furnished complete seasonal records.

Seasonal rainfall distribution throughout the County is shown by the following relation to the 90-year normal indices for eight subareas of the County and for the County area:

Area	Per Cent of Area	Per Cent of Normal Rainfall 1961-62	1962-63
Coastal Plain	14.5	138	81
San Fernando Valley	7.7	141	67
San Gabriel Valley	7.2	121	66
San Gabriel Mountains	13.6	113	65
Little and Big Rock Creeks	4.2	129	69
Santa Monica Mountains	5.8	167	76
Santa Clara River	18.7	136	68
Desert	28.3	113	74
County	100.0	127	70

Evaporation records were received each month from 29 and 30 stations, respectively, during the 1961-62 and 1962-63 seasons. Maximum evaporation occurred at Palmdale, in the Antelope Valley, for 1961-62 and 1962-63 seasons. Evaporation amounted to 101.62 and 88.04 inches for each season, respectively. Minimum seasonal evaporation of 40.27 inches occurred at Rio Hondo Spreading Grounds for 1961-62 and 42.18 inches at Opid's (Camp Hi-Hill) in the San Gabriel Canyon - West Fork for 1962-63.

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

During 1961-62 and 1962-63, the District operated 106 recording stream flow stations located on main streams and tributary channels. Twenty-eight of these stations are in the Los Angeles River drainage area, 28 are in the San Gabriel River drainage area, 25 are located in the Rio Hondo drainage area, and 25 are located in the remaining important drainage areas. Records obtained from these stations are supplemented by 13 stations operated by the United States Geological Survey in cooperation with the Los Angeles District, Corps of Engineers, one station operated by Ventura County Water Resources Division, one operated by the District in cooperation with the San Bernardino County Flood Control District, two operated by the Metropolitan Water District, and one operated by the San Gabriel Spreading Corporation. These are also included in this publication. Cooperative assistance was given by the District in making measurements at these stations.

The abundant rainfall of the 1961-62 water year resulted in above average runoff, especially in the valley areas. During 1962-63, scanty rainfall produced subnormal runoff, particularly in the San Gabriel Mountains where the streams produced only about 25 per cent of the long-time average. Ocean waste, including industrial waste, in 1961-62 was 219 per cent of its 14-year average and in 1962-63, 78 per cent. Peak flows in 1961-62 were well above normal especially in the recently urbanized portions of the District. 1962-63 did not produce any flows high enough to be of a serious nature.

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 86,602 acre-feet at spillway lip elevation.

Two tabulations giving pertinent data for the season for 12 debris dams and 46 debris basins, owned and operated by the District, are included in this report.

Reclamation and enlargement of storage capacity in District reservoirs and debris basins during these seasons, obtained by excavation operations, amounted to 1,669,440 cubic yards in 1961-62 and 112,449 cubic yards in 1962-63.

A total of 605,803 acre-feet of local, imported and reclaimed water was conserved in spreading facilities, recharge facilities, reservoirs, and unlined channels during the 1961-63 biennial period. Local water for this period

amounts to 295,082 acre-feet, imported water conserved was 297,138 acre-feet, and reclaimed water amounted to 13,583 acre-feet. Runoff in the 1961-62 water year was substantial and accounted for 223,052 acre-feet of the local water conserved.

In August of 1962, the Whittier Narrows Water Reclamation Plant went on stream. The plant, which is operated by the County Sanitation Districts, has a rated capacity of 12 mgd and was constructed to demonstrate the practicability of reclaiming water from sewage. Under a contractual arrangement the reclaimed water is purchased by the Central and West Basin Water Replenishment District and spread by the Flood Control District in the Montebello Forebay. During the period of this report all the water was routed to the Rio Hondo Spreading Grounds.

Operation of the existing 12 recharge wells of the West Coast Basin Barrier Project continued with an average injection rate of 5.9 cfs. Investigations were conducted to determine the cause of corrosion and clogging of the wells and to determine the preventive or remedial measures which should be undertaken.

Design was initiated for a project to prevent sea-water intrusion into the Central Basin. This project, known as the Alamitos Barrier Project, will lie just east of the City of Long Beach.

An engineering report on Dominguez Gap Barrier Project, which concerns sea-water intrusion into the West Coast Basin from San Pedro Bay, is under preparation.

Ground-water maps have been compiled from well measurements throughout the County, and trends in ground-water levels are discussed briefly in this report.

Above normal rainfall in 1961-62 resulted in a rise in ground-water levels; however, 1962-63 was again below normal and levels in many of the ground-water basins reached new historical lows. The downward trend of levels in the Central Basin was arrested and a marked rise was noted in the deep aquifers due to an Interim Agreement to restrict extractions entered into by the principal water users.

Respectfully submitted,

Maxwell F. Burke

Maxwell F. Burke, Division Engineer
Hydraulic Division

Howard H. Haile

Howard H. Haile, Division Engineer
Water Conservation Division

Recommended

A E Bruington

A. E. Bruington
Assistant Chief Deputy Engineer

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PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report contains basic precipitation and other weather records in the District's files for the seasons 1961-62 and 1962-63. It represents the thirty-fourth and thirty-fifth of similar seasonal reports in summarized form.

The District's "season" includes the period October 1 through September 30, which conforms to the water year used by the United States Geological Survey, Water Resources Branch. Daylight Saving Time in which the clock was advanced one hour for the periods April 29, 1962, through October 28, 1962, and from April 28, 1963, to September 30, 1963, was observed. Pacific Standard Time was used for the balance of the period.

SEASON 1961-62

Seasonal precipitation in Los Angeles County was well above normal in the 1961-62 season, with an average of 19.89 inches which was 127 per cent of the 90-year normal for various representative stations.

The seasons 1951-52, 1957-58, and 1961-62 have been the only three with above normal rainfall since the 1943-44 season.

The first heavy rainfall of the season was observed on November 20. The largest storm as shown in Table II, page 11, occurred during February 7 to 12.

Precipitation of 0.01 inch or more fell on 49 days in the mountains at Opid's Camp (Camp Hi Hill) and on 32 days at Los Angeles - Ducommun Street.

Isohyets for the 1961-62 season indicating rainfall distribution for the County are shown on Map I, page 37.

Average snow depth measurements made April 2, 3, and 4, 1962, on 11 snow courses in and near the County varied from zero to 82.1 inches. Snow depths are shown in Summary of Snowfall, page 5.

Temperatures were above normal at Los Angeles for October, January, April, and August, with the balance of the months for the season showing averages of below normal. Long Beach experienced a temperature of 111° F. during October and the Los Angeles International Airport recorded its third coldest month of March.

Santa Ana-type winds on November 5 and 6 contributed to the disastrous Santa Monica Mountain fires. The relative humidity at Burbank on these dates reached a record low of 3 per cent.

SEASON 1962-63

Average seasonal rainfall in the County for 1962-63 was 10.96 inches or 70 per cent of the 90-year normal. The rain storm of February 9 to 11, which was the largest of the season, caused mud slides in the foothills of San Fernando Valley and inundation in the Torrance-El Segundo areas. Subnormal average monthly rainfall amounts were experienced from February 1962 through January 1963. September 1963 produced the second wettest September of record.

Precipitation of 0.01 inch or more fell on 37 days in the mountains at Opid's Camp (Camp Hi Hill) and on 33 days at Los Angeles - Ducommun Street.

Isohyets for the 1962-63 season indicating rainfall distribution for the County are shown on Map II, page 39.

On March 27, 29, and 30, 1963, 12 snow courses were measured with a range of from zero to 19.8 inches.

Los Angeles experienced its warmest September, with an average temperature of 77.3° F., which is the second warmest monthly temperature of record.

Heavy winds and seas on December 16, 1962, caused damage to beaches, piers, and small boats. Strong winds of January 15 through 17, 1963, resulted in extensive damage to citrus crops in the foothill areas.

COMPARATIVE RAINFALL

The following table shows a comparison of monthly rainfall amounts in inches depth and per cent of 90-year normal monthly rainfall for Opid's Camp station in the mountains and the Los Angeles - Ducommun Street station in the valley:

Station Name	Month	Normal Monthly Rainfall	Rainfall 1961-62	Per Cent of Normal Monthly Rainfall 1961-62	Rainfall 1962-63	Per Cent of Normal Monthly Rainfall 1962-63
Opid's Camp (Camp Hi Hill)	Oct.	1.54	T	0	0.36	23
	Nov.	3.25	4.89	150	0.04	1
	Dec.	7.01	5.84	83	0.03	0.4
	Jan.	8.61	7.10	82	1.67	19
	Feb.	9.31	25.74	276	9.66	104
	Mar.	6.13	2.64	43	3.81	62
	Apr.	2.76	0	0	3.70	134
	May	0.79	0.74	94	T	0
	June	0.10	0.08	80	0.31	310
	July	0.06	0	0	0	0
	Aug.	0.09	0	0	T	0
	Sept.	0.52	0	0	3.63	6.98
Season Totals		40.17	47.03		23.21	

Station Name	Month	Normal Monthly Rainfall	Rainfall 1961-62	Per Cent of Normal Monthly Rainfall 1961-62	Rainfall 1962-63	Per Cent of Normal Monthly Rainfall 1962-63
Los Angeles - Ducommun Street	Oct.	.55	T	0	0.12	22
	Nov.	1.22	2.20	180	T	0
	Dec.	2.65	1.73	65	T	0
	Jan.	3.32	2.92	88	0.44	13
	Feb.	3.30	13.39	406	3.49	1.06
	Mar.	2.48	1.20	48	3.34	1.35

Station Name	Month	Normal Monthly Rainfall	Rainfall 1961-62	Per Cent of Normal Monthly Rainfall 1961-62	Monthly Rainfall 1962-63	Per Cent of Normal Monthly Rainfall 1962-63
Los Angeles -	Apr.	1.04	0	0	1.94	187
Ducommun Street	May	0.30	0.02	7	0	0
(Con't.)	June	0.06	T	0	.10	167
	July	0.01	0	0	0	0
	Aug.	0.04	0	0	.02	50
	Sept.	0.17	0	0	1.43	841
Season Totals		15.14	21.46		10.88	

The following table shows a comparison of seasonal rainfall in inches depth at 11 stations with long-time records located in the coastal, valley, foothill, mountain, and desert areas of Los Angeles County:

Sta. No.	Station Name	Elev. Of Gage	90-Year Normal Rainfall	Years of Record	Total Rainfall 1961-62	Per Cent of Normal Rainfall 1961-62	Total Rainfall 1962-63	Per Cent of Normal Rainfall 1962-63
5B	Calabasas	924	16.67	40	23.99	144	13.69	82
32C	Newhall	1243	17.69	87	27.44	155	10.44	59
53D	Colby's	3620	29.75	66	32.86	110	16.79	56
57B-E	Opid's Camp	4250	40.17	46	47.03	117	23.21	58
60A	Hoegee's	2600	40.02	38	46.73	117	23.01	57
224B	Long Beach	180	12.63	69	15.74	125	11.67	92
338A	Mt. Wilson	5675	36.08	59	45.90	127	22.71	63
455B	Lancaster	2395	6.91	40	7.82	113	4.92	71
587B	San Antonio Cn.	2390	27.24	59	28.83	106	17.34	64
610B	Pasadena	864	19.99	91	24.24	121	11.69	58
716	Los Angeles - Ducommun St.	300	15.14	91	21.46	142	10.88	72

MAXIMUM AND MINIMUM RAINFALL

The following tabulation presents maximum and minimum rainfall amounts in inches depth in Los Angeles County for the period of this report, based on 5:00 p.m. readings from standard rain gages:

Sta. No.	Station Name	Minimum Seasonal 1961-62	Minimum Seasonal 1962-63	Maximum Seasonal 1961-62	Maximum Seasonal 1962-63	Maximum Day 1961-62	Maximum Day 1962-63
X15	Hi Vista - Card	4.27	3.00				
	Santa Anita - Spring Camp			49.95			
58	Sturtevant				24.14		6.50
334B	Cogswell Dam					11.54	

At Los Angeles, the maximum seasonal rainfall of record was 38.18 inches in 1883-84; minimum seasonal rainfall was 5.51 inches in 1898-99.

DISTRIBUTION OF RAIN GAGES

About three fourths of the District-owned recording precipitation gages were located in the mountain and foothill areas with the balance distributed in valley, coastal plain, and desert areas.

Station locations are shown on Maps I and II, pages 37 and 39, and Tables VII and VIII, pages 28 and 33.

NUMBER OF RAIN GAGES

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

	1961-62	1962-63	1961-62	1962-63
I. Los Angeles County Flood Control District				
A. Non-Recording Gages				
Standard 8-Inch Diameter	284	284		
Special 8.81-Inch Diameter	24	21		
Storage Type	28	27		
B. Recording Rain and Snow Gages				
Weighing Type	83	85		
Float Type	1	1		
Tipping Bucket	1	1		
Totals			421	419
II. Outside Agencies and Individuals				
A. Non-Recording Gages				
Standard 8-Inch Diameter	138	137		
Various Diameters	9	8		
B. Recording Rain and Snow Gages				
Various Types	68	70		
Totals			215	215
Total Number of Rain Gages			636	634

NUMBER OF STATIONS

Total Active Stations from which the District Receives Rainfall Records			519	513
Total Active Stations from which Complete Seasonal Records were Received			491 1/	485 1/

1/ Complete Seasonal record or those which could be completed by estimates from adjacent stations of not more than 10 per cent of the total seasonal amount.

The number of stations in the District's files with records of 15 years or more follows:

	15-49 Years 2/		50 Years and Over 2/	
	1961-62	1962-63	1961-62	1962-63
Continuous Records - Active	249	254	29	29
Broken Records - Active and Inactive	223	227	17	17
Totals	472	481	46	46

2/ In some cases, the station was moved in the immediate vicinity, or in case of inactivity another station nearby was substituted to give a continuous long-time record.

Table I, page 8, presents a complete list of recording rain gages which were active during the 1961-62 and 1962-63 seasons, with length of active record.

Table II, page 11, shows a comparison of maximum precipitation intensity for 10 representative stations in the District during the 1961-62 and 1962-63 seasons and maximum intensity of record.

Table III, pages 12 to 15, of the Biennial Report on Hydrologic Data for 1957-58 and 1958-59 seasons, shows maximum intensities of record for all active District-owned recording rain gage stations in the District's files.

Table III, pages 12 to 14, presents daily rainfall amounts for selected stations during the 1961-62 season.

Table IV, pages 15 to 17, presents daily rainfall amounts for selected stations during the 1962-63 season.

Table V, pages 18 to 22, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1961-62 season.

Table VI, pages 23 to 27, presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1962-63 season.

Table IX, page 34, presents indices for 91 seasons in the County and eight subareas of the County.

Map III, page 41, shows isohyets for 90-year seasonal normal rainfall.

Table X, page 35, presents a table showing the per-cent yield at selected reservoirs for the seasons 1931-32 through 1962-63.

SUMMARY OF SNOWFALL

The accumulated snowfall depth in inches at three mountain stations follows:

Sta. No.	Station Name	Approx. Elev.	Seasons 1961-62	Seasons 1962-63	Maximum of Record	Season	Length of Record in Seasons
82F	Table Mountain	7420	135	50	201	1951-52	37
83	Big Pines	6860	122	38	231	1943-44	38
283C	Crystal Lake	5370	100	47	173	1943-44	32

The following tabulation of snow survey measurements made at 12 snow courses about April 1 shows inches depth, water content, and the density of the snow. Density is the ratio of the average water content to the average depth expressed as a percentage.

Snow Course	Approx. Elev.	Avg. Depth 1962	Avg. Depth 1963	Water Content 1962	Water Content 1963	Density 1962	Density 1963
San Antonio Drainage							
Ice House No. 4	5800	0	0	0	0	0	0
Manker Flat	6500	0	0	0	0	0	0
Lower Thunder Mt.	7500	25.5	2.5	11.8	0.9	46.3	36.0
Upper Thunder Mt.	8500	82.1	19.8	40.7	8.3	49.6	41.9
Big Rock Drainage							
Blue Ridge	7200	17.9	Patches	8.6	0	48.0	0
Islip No. 2	7400	56.4	5.2	30.7	2.2	54.4	42.3
Islip No. 3	7600	71.7	11.5	33.7	4.8	47.0	41.7
Islip No. 4	7570	75.6	12.0	37.6	5.6	49.7	46.7
Little Rock Drainage							
Sqw Camp	5800	0	Patches	0	0	0	0
Cedar Springs	6500	26.2	2.7	12.2	1.0	46.6	35.2
Buckhorn	7100	24.6	2.8	12.7	0.9	51.6	30.3
San Gabriel Drainage							
Deer Flats 3/	6800		0		0		0

3/ Snow Course established October 24, 1962.

USES OF PRECIPITATION DATA

The following are some of the major uses of precipitation data which are in the District's files:

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

The District furnishes precipitation and other weather data to many agencies and individuals on request. Weather data are also furnished to the District by these agencies and individuals and form a large share of the records received and compiled for the period of this report.

MISCELLANEOUS WEATHER RECORDS

The District has in its files records from the following instruments:

68 Thermometers, Maximum-Minimum
4 Thermographs
6 Hygro-Thermographs
2 Barographs
1 Anemometer, Single Register, Recording
1 Anemometer, Double Register, Non-Recording
2 Anemometers, Double Register, Recording 4/

4/ Wind roses are in the District's files showing directions and velocities for the San Gabriel River outlet location for the calendar years 1948, 1949, and 1953 through 1962. Records from this location were discontinued on May 13, 1963.

COOPERATION OF RAINFALL STATION OPERATORS

The cooperation of observers in furnishing data for the compilation of a report such as this is essential. That they have continued in this effort is evidenced by the large number of complete reports for the seasons covered in this report. We wish to express our appreciation to the many agencies and individuals who have so freely cooperated with us in the collection of these data.

TABLE I

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1961-1962

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
28	ESCONDIDO CANYON	1050	WEIGHING	12"	LATIGO CANYON	2/2/57 TO DATE
6	TOPANGA CANYON PATROL STATION	745	"	12"	TOPANGA CANYON	8/1/30 TO DATE
10	BEL AIR HOTEL	540	"	9"	BALLONA CREEK	1/4/29 TO DATE 1/
11C	UPPER FRANKLIN RESERVOIR	867	"	9"	FRANKLIN CANYON	9/29/37 TO DATE
158	VAN NUYS	695	"	9"	LOS ANGELES RIVER	8/18/30 TO DATE
33A'-E	PACOIMA DAM	1500	"	9"	PACOIMA CANYON	9/22/30 TO DATE
46D-E	BIG TUJUNGA DAM	2315	"	12"	BIG TUJUNGA CANYON	12/9/40 TO DATE
47D	CLEAR CREEK CITY SCHOOL	3200	"	12"	BIG TUJUNGA CANYON	11/2/28 TO DATE
52C	WATERMAN GUARD STATION	3290	"	12"	ARROYO SECO	1/18/26 TO 2/28/28
						10/27/37 TO DATE
53D	COLBY'S	3675	"	12"	BIG TUJUNGA CANYON	4/19/26 TO 12/16/40
						2/14/41 TO DATE
54C	LOOMIS RANCH - ALDER CREEK	4300	"	9"	BIG TUJUNGA CANYON	11/24/31 TO DATE
57B-E	OPID'S (CAMP HI-HILL)	4250	"	12"	SAN GABRIEL - WEST FORK	12/14/25 TO DATE 1/
63B-E	BIG SANTA ANITA DAM	1400	"	12"	BIG SANTA ANITA CANYON	2/24/50 TO DATE
68B	SAWPIT DAM	1378	"	12"	SAWPIT CANYON	11/20/52 TO 7/20/53
						12/17/53 TO DATE
70D	ROGER'S CANYON	770	"	9"	SAN GABRIEL RIVER	12/4/26 TO DATE
83B	BIG PINES RECREATION PARK	6860	"	12"	MESCAL CREEK	12/17/25 TO DATE 1/
85G	MT. BALDY GUARD STATION	4275	"	12"	SAN ANTONIO CANYON	11/11/27 TO DATE 1/
89B-E	SAN DIMAS DAM	1350	"	12"	SAN DIMAS CANYON	2/27/50 TO 10/25/57
						12/4/59 TO DATE
92	CLAREMONT - POMONA COLLEGE	1185	"	9"	SAN ANTONIO WASH	12/2/27 TO DATE
96B-E	PUDDINGSTONE DAM	1030	"	12"	PUDDINGSTONE CREEK	10/14/52 TO DATE
108C	EL MONTE FIRE STATION	275	"	9"	RIO HONDO	10/11/38 TO DATE
116D	INGLEWOOD FIRE STATION	135	"	9"	CENTINELA CREEK	2/26/48 TO DATE
128B	ELIZABETH LAKE CANYON - WARM SPRINGS	2075	"	12"	ELIZABETH LAKE CANYON	2/21/56 TO DATE
156	LA MIRADA - STANDARD OIL CO.	86	"	12"	COYOTE CREEK	4/19/46 TO DATE
178C	AZUSA VALLEY WATER CO.	620	"	12"	SAN GABRIEL RIVER	1/1/31 TO 11/4/54
						12/12/61 TO DATE
179G	BAILEY DEBRIS DAM	1180	"	9"	RIO HONDO	6/24/41 TO DATE
191B	LOS ANGELES - ALCAZAR	400	FLOAT	3"	LOS ANGELES RIVER	6/27/52 TO DATE
201B	PUENTE HILLS - ALTA MIRA RANCH	840	WEIGHING	9"	SAN JOSE CREEK	9/15/38 TO 11/2/38
						12/19/40 TO DATE
210B	BRAND PARK	1250	"	12"	LOS ANGELES RIVER	12/27/28 TO DATE
213D	LOS ANGELES - HANCOCK PARK	175	"	9"	BALLONA CREEK	1/13/29 TO DATE
223B-E	BIG DALTON DAM	1575	"	12"	BIG DALTON CANYON	11/28/47 TO 9/8/50
						10/14/52 TO DATE
235B	HENNIGER FLATS	2550	"	12"	EATON CANYON	1/2/30 TO DATE
250D	ACTON CAMP	2625	"	12"	SOLEDAD CANYON	1/4/57 TO DATE
259C	CHATSWORTH PATROL STATION	1254	"	9"	LOS ANGELES RIVER	8/17/37 TO DATE
261B-E	ACTON - ESCONDIDO CANYON	2920	"	9"	SANTA CLARA RIVER	11/23/30 TO DATE 1/
280B	FLINTRIDGE FIRE STATION	1345	"	9"	ARROYO SECO	7/26/30 TO DATE
283C	CRYSTAL LAKE	5370	"	12"	SAN GABRIEL - NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	"	9"	LOS ANGELES RIVER	10/6/30 TO DATE
303F	PASADENA - CAL TECH	800	"	9"	ALHAMBRA WASH	12/13/30 TO DATE
304	SAWPIT CANYON - DEER PARK	2725	"	12"	SAWPIT CANYON	11/30/61 TO DATE
334B-E	COGSWELL DAM	2330	"	12"	SAN GABRIEL - WEST FORK	1/14/32 TO DATE
338B	MOUNT WILSON - AIRWAYS	5709	"	12"	SANTA ANITA CANYON	3/4/32 TO DATE 1/
352B	LECHUZA PATROL STATION	1620	"	9"	LECHUZA CANYON	11/28/34 TO DATE 1/
356C	SPADRA - PACIFIC COLONY	690	"	9"	SAN JOSE CREEK	3/30/38 TO DATE 1/
367	HAINES CANYON - UPPER	3440	"	30"	HAINES CANYON	1/13/33 TO DATE
372	SAN FRANCISQUITO POWER HOUSE NO. 2	1580	"	9"	SANTA CLARA RIVER	5/25/44 TO DATE
378B	BRIGGS TERRACE	2225	"	12"	PICKENS CANYON	11/28/33 TO DATE
379B	SAN GABRIEL - EAST FORK	1600	"	12"	SAN GABRIEL - EAST FORK	12/8/37 TO 8/1938
						2/14/46 TO DATE
402F	CEDAR SPRING	6700	"	12"	SAN GABRIEL RIVER	10/25/57 TO DATE
415	SIGNAL HILL CITY HALL	140	"	9"	SOUTH COASTAL PLAIN	3/15/37 TO DATE 1/
425B-E	SAN GABRIEL DAM	1481	"	12"	SAN GABRIEL RIVER	11/3/37 TO DATE 1/
433C	FAIR OAKS DEBRIS BASIN	1580	"	9"	ARROYO SECO	9/14/38 TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	"	9"	MEDEA CREEK	10/27/43 TO DATE
435	MONTE NIDO	600	"	9"	MALIBU CREEK	11/19/43 TO DATE
444C	ROLLING HILLS	490	"	12"	DOMINGUEZ CHANNEL	7/13/48 TO DATE
446	ALISO CANYON - OAT MT.	2367	"	12"	ALISO CANYON	7/20/40 TO DATE 1/
451B	CASTAIC PATROL STATION	1066	"	12"	SANTA CLARA RIVER	1/3/57 TO DATE
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	3225	"	12"	PACOIMA CANYON	1/16/41 TO DATE
470	TUJUNGA - MILL CREEK	4600	"	12"	BIG TUJUNGA CANYON	10/18/41 TO 10/28/49
						7/9/51 TO DATE 1/
477C	SANTA ANITA - SPRING CAMP	4675	"	12"	BIG SANTA ANITA CANYON	11/25/41 TO DATE
486B	COLDWATER CANYON - WIDMAN RANCH	3865	"	12"	SAN GABRIEL - EAST FORK	9/22/43 TO DATE
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	5275	"	12"	SAN GABRIEL - WEST FORK	10/10/44 TO DATE
493C	IRON CANYON	1750	"	9"	SANTA CLARA RIVER	12/1/54 TO 8/14/62
517B	ANDERSEN RANCH	4700	"	9"	PALLETT CREEK	12/17/43 TO DATE
807	ASCOT RESERVOIR	620	"	9"	LOS ANGELES RIVER	10/26/61 TO DATE
1006	SAN PEDRO CITY RESERVOIR	150	"	9"	SOUTH COASTAL PLAIN	3/7/46 TO DATE
1008-E	LA FRESA - S.C.E. CO. SUBSTATION	65	"	12"	LAGUNA DOMINGUEZ	8/29/46 TO DATE
1010B	PALMER CANYON - FORKS	2120	"	12"	THOMPSON CREEK	12/19/46 TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	1650	"	12"	BIG TUJUNGA CANYON	9/29/47 TO DATE
1014D-E	RIO HONDO SPREADING GROUNDS	155	"	9"	RIO HONDO	9/29/47 TO DATE
1017B	LITTLE ROCK CREEK ABOVE DAM	3325	"	12"	LITTLE ROCK CANYON	8/6/48 TO 4/7/59
						11/9/59 TO DATE
1035	WHITTIER - WOOD	280	"	9"	SAN GABRIEL RIVER	10/27/52 TO DATE
1037-E	ARCADIA - ARBORETUM	565	"	12"	RIO HONDO	3/3/55 TO DATE
1060	LITTLE ROCK - SYCAMORE CAMP	3925	"	12"	LITTLE ROCK CREEK	7/21/53 TO DATE
1062	BUCKHORN FLAT	6660	"	12"	LITILE ROCK CREEK	2/16/54 TO DATE
1074	LITTLE GLEASON	5600	"	12"	SANTA CLARA RIVER	9/29/54 TO DATE
1078	COVINA - GRIFFITH	975	"	9"	WALNUT CREEK	1/26/55 TO DATE
1080B	BRADBURY DEBRIS BASIN	935	"	12"	SAN GABRIEL RIVER	5/25/55 TO DATE
1088B	LA HABRA HEIGHTS MUTUAL WATER CO.	445	"	12"	COYOTE CREEK	3/8/55 TO DATE
1107D	LA TUNA CANYON	1160	"	12"	LOS ANGELES RIVER	11/14/55 TO DATE
1108	ANAVERDE VALLEY - PLATT	2950	"	12"	AMARGOSA CREEK	6/1/56 TO DATE
1144	SAN GABRIEL - NORTH FORK	2225	"	12"	SAN GABRIEL RIVER	10/4/60 TO DATE
1146	SANTA ANITA CANYON HELIPORT	2575	TIPPING BUCKET	UNLIMITED	BIG SANTA ANITA CANYON	1/31/61 TO DATE
X28B	HOLIDAY HILL	8150	WEIGHING	12"	SAN GABRIEL RIVER	11/15/57 TO DATE
X29	PINE MOUNTAIN	4100	TIPPING BUCKET	UNLIMITED	SAN GABRIEL RIVER	12/26/58 TO DATE
X30	ANGELES CREST HIGHWAY - GRIZZLY	3050	WEIGHING	12"	ARROYO SECO	11/19/59 TO DATE

LEGEND

1/ HOURLY RAINFALL AMOUNTS PUBLISHED BY THE UNITED STATES WEATHER BUREAU SINCE OCTOBER 1, 1951.
SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS.
SUFFIX -E DENOTES EVAPORATION PAN AT STATION.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ACTIVE AUTOMATIC RAIN GAGES

SEASON 1962-63

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
63C-E	BIG SANTA ANITA DAM	1400	WEIGHING	12"	BIG SANTA ANITA CANYON	2/24/50 TO DATE
190B	RANCHO SOMBRERO	1490	"	12"	LOS ANGELES RIVER	10/4/62 TO DATE
213F	LOS ANGELES - HANCOCK PARK	175	"	9"	LOS ANGELES RIVER	1/13/29 TO DATE
264B	SAND CANYON - PLACERITA CANYON	1850	"	9"	SAND CANYON	10/4/62 TO DATE
477D	SANTA ANITA - SPRING CAMP	4655	"	12"	SANTA ANITA CANYON	11/25/41 TO DATE
1160	SAN GABRIEL CANYON, WEST FORK, HELIPORT	3200	"	12"	SAN GABRIEL RIVER - WEST FORK	7/24/63 TO DATE
X30	ANGELES CREST HIGHWAY - GRIZZLY	3050	"	12"	ARROYO SECO	11/19/59 TO 10/19/62

LEGEND

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

SEASON 1962-63 TABULATION IS IDENTICAL WITH 1961-62 TABULATION WITH THE EXCEPTION OF STATION NUMBERS: 63C-E, 190B, 213F, 264B, 477D, 1160, AND X30.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1961 - 1962

STA. NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
23-E	CHATSWORTH RESERVOIR	965	WEIGHING	12"	LOS ANGELES RIVER	10/23/45 TO DATE 1/ 2/
60A	HOEGEE'S	2600	"	30"	BIG SANTA ANITA CANYON	11/11/26 TO DATE
87B	SAN DIMAS GUARD STATION	1485	"	12"	SAN DIMAS CANYON	12/11/25 TO 11/23/26
						11/19/42 TO DATE 1/
124B-E	BOUQUET CANYON RESERVOIR	3050	FLOAT	9"	SANTA CLARA RIVER	11/11/31 TO DATE 1/
139B	LOS ANGELES WATER DEPARTMENT	450	WEIGHING	5.5"	LOS ANGELES RIVER	12/22/38 TO DATE 1/
140C	SAWTELLE	250	"	12"	BALLONA CREEK	10/5/51 TO DATE 1/
157B	EL SEGUNDO - STANDARD OIL COMPANY	150	"	12"	WEST COASTAL PLAIN	6/16/48 TO DATE
158	TANBARK FLATS	2750	"	12"	SAN DIMAS CREEK	1/16/29 TO DATE 1/ 2/
228B	BEVERLY HILLS - CITY HALL	290	"	9"	BALLONA CREEK	10/14/31 TO DATE
269C	DIAMOND BAR-HORSE CAMP	870	"	12"	BREA CANYON	12/3/41 TO DATE 1/ 2/
311b	PASADENA METEOROLOGICAL STATION	918	TIPPING BUCKET	UNLIMITED	ARROYO SECO	10/1/38 TO DATE 1/
336-E	SILVER LAKE RESERVOIR	455	WEIGHING	12"	BALLONA CREEK	3/16/62 TO DATE 1/
357	VAN NORMAN LAKE - UPPER	1248	"	12"	WELDON CANYON	12/4/45 TO DATE 1/ 2/
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	1325	"	12"	SANTA CLARA RIVER	12/1949 TO DATE 1/ 2/
436C	HANSEN DAM	1110	"	30"	TUJUNGA WASH	10/30/40 TO DATE 1/ 2/
445B	LIVE OAK DAM	1510	"	12"	LIVE OAK CANYON	3/20/40 TO 8/22/60
						11/3/60 TO DATE
449B	EATON DAM	880	"	12"	EATON WASH	10/31/50 TO 12/2/57
						10/5/59 TO 12/22/59
						10/12/60 TO DATE
453C	DEVIL'S GATE DAM	1090	"	12"	ARROYO SECO	11/20/52 TO 9/15/53
						1/27/54 TO DATE
465C	SEPULVEDA DAM	683	"	12"	LOS ANGELES RIVER	10/23/45 TO DATE 1/ 2/
471	LITTLE TUJUNGA - GOLD CREEK	2750	FLOAT	UNLIMITED	LITTLE TUJUNGA CANYON	10/30/41 TO DATE 1/ 2/
565B	LONG BEACH - CITY AUTOMATIC	11	WEIGHING	12"	SOUTH COASTAL PLAIN	11/8/24 TO DATE
566	LONG BEACH NO. 1	15	"	12"	SOUTH COASTAL PLAIN	11/13/55 TO DATE
577F	LOS ANGELES - U.S.W.B. (FEDERAL BLDG.)	548	TIPPING BUCKET	1½"	LOS ANGELES RIVER	3/1/40 TO DATE 1/ 2/
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	3200	WEIGHING	12"	SAN ANTONIO CANYON	7/24/56 TO DATE 1/
662B	LONG BEACH - KEEVER AVENUE	80	"	12"	SOUTH COASTAL PLAIN	10/1/59 TO DATE
666C	LONG BEACH - NEECE STREET	55	"	12"	SOUTH COASTAL PLAIN	9/1953 TO DATE
683	SUNSET RIDGE GUARD STATION	2110	"	12"	ARROYO SECO	10/16/45 TO 3/31/47
						10/20/55 TO DATE 1/
716	LOS ANGELES - DUCOMMUN STREET	300	"	12"	LOS ANGELES RIVER	10/1/59 TO DATE
724B	BIG DALTON - MONROE CANYON	1825	"	12"	BIG DALTON CANYON	3/15/39 TO DATE 1/
725	BIRMINGHAM HOSPITAL	724	"	12"	LOS ANGELES RIVER	8/1944 TO DATE 1/ 2/
726B	ANGELES CREST - GUARD STATION	2300	"	12"	ARROYO SECO	10/16/45 TO DATE
734B	LOS ANGELES INTERNATIONAL AIRPORT	126	TIPPING BUCKET	1½"	LAGUNA DOMINGUEZ	10/18/48 TO DATE 1/ 2/
740B	SAN DIMAS CANYON - FERN CANYON	5200	WEIGHING	12"	SAN DIMAS CREEK	10/12/36 TO DATE 1/
741	SAN DIMAS CANYON - UPPER EAST FORK	2765	"	12"	SAN DIMAS CREEK	10/4/34 TO DATE 1/
747	SANDBERG AIRWAYS STATION	4517	"	12"	SANTA CLARA RIVER	4/2/32 TO DATE 1/ 2/
749	BURBANK - U.S.W.B. (AIRPORT)	699	"	12"	LOS ANGELES RIVER	9/20/31 TO DATE 1/ 2/
755	GRIFFITH PARK - LITTLE CANYON	900	"	12"	LOS ANGELES RIVER	9/4/47 TO DATE 1/
756	GRIFFITH PARK - UPPER SPRING CANYON	1200	"	12"	LOS ANGELES RIVER	9/2/47 TO DATE 1/
757	GRIFFITH PARK - FERN DELL	750	"	12"	BALLONA CREEK	9/4/47 TO DATE 1/
758	GRIFFITH PARK - LOWER SPRING CANYON	600	"	12"	LOS ANGELES RIVER	9/3/47 TO DATE 1/
759B	NICHOLS DEBRIS BASIN	478	"	12"	NICHOLS CANYON	9/11/47 TO DATE 1/
760	STUDIO CITY - GOODLAND AVENUE	680	"	12"	LOS ANGELES RIVER	10/3/47 TO DATE 1/
762	UPPER STONE CANYON	943	"	12"	BALLONA CREEK	9/4/47 TO DATE 1/
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	1625	"	12"	MANDEVILLE CANYON	9/5/47 TO DATE 1/
769	SANTA YNEZ CN. - TEMESCAL FIRE RD. NO. 30	1980	"	12"	SANTA YNEZ CANYON	9/5/47 TO DATE 1/
770B	SANTA YNEZ CN. - PASEO MIRAMAR	600	"	12"	SANTA YNEZ CANYON	9/11/47 TO 9/30/61
						3/16/62 TO DATE 1/
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	265	"	12"	RUSTIC CANYON	9/10/47 TO DATE 1/
772	L.A. - ECHO PARK AND LUCRETIA	475	"	12"	BALLONA CREEK	9/15/47 TO DATE 1/
774	BARLOW SANITARIUM	450	"	12"	LOS ANGELES RIVER	12/19/47 TO DATE 1/
779	GRIFFITH PARK - LOWER MINERAL WELLS	625	"	12"	LOS ANGELES RIVER	11/1947 TO DATE 1/
783	COON CANYON	1268	"	12"	ARROYO SECO	10/1948 TO DATE 1/
796	ELYSIAN PARK FIRE DEPARTMENT	757	"	12"	LOS ANGELES RIVER	9/20/48 TO DATE 1/
801	MAGIC MOUNTAIN	4450	FLOAT	UNLIMITED	PACOIMA CANYON	3/19/47 TO DATE 1/
1041B	SANTA FE DAM	427	WEIGHING	12"	SAN GABRIEL RIVER AND RIO HONDO	10/24/45 TO DATE 1/ 2/
1058	PALMDALE 2 NE	2583	"	12"	ANTELOPE VALLEY	3/27/53 TO DATE 2/
1066B	LONG BEACH - LEES STREET	10	"	12"	SOUTH COASTAL PLAIN	11/13/55 TO DATE
1075	UPPER WOLFSKILL CANYON	3625	"	12"	SAN DIMAS CANYON	12/14/37 TO 5/28/46
						1/7/54 TO DATE 1/
1093-E	FULLERTON AIRPORT	94	FLOAT	5"	COYOTE CREEK	1/1935 TO DATE 1/
1095	ORANGE COUNTY RESERVOIR	600	WEIGHING	12"	BREA CANYON	10/17/41 TO DATE 1/ 2/
1106	ANTELOPE VALLEY FIELD STATION	2540	"	9"	ANTELOPE VALLEY	1/24/56 TO DATE
1113	DOMINGUEZ WATER CO.	30	"	12"	SOUTH COASTAL PLAIN	11/1/55 TO DATE 1/
1114B	WHITTIER NARROWS DAM	239	"	12"	RIO HONDO	6/7/57 TO DATE 1/
1115	SAN ANTONIO DAM	2120	"	12"	SAN ANTONIO CANYON	8/1/56 TO DATE 1/
1118	LAKEWOOD	55	"	12"	SAN GABRIEL RIVER	9/15/56 TO DATE 1/
1138	MT. DISAPPOINTMENT	5900	"	12"	ARROYO SECO	11/20/59 TO DATE
X31	MT. LUKENS DISPOSAL AREA	3250	"	12"	ARROYO SECO	12/22/59 TO DATE

PRIVATE ACTIVE AUTOMATIC RAIN GAGES

SEASON 1962 - 1963

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY		WATERSHED	PERIOD OF RECORD
292D-E	ENCINO RESERVOIR	1075	WEIGHING	12"	LOS ANGELES RIVER	12/18/62 TO DATE
355B	LOS ANGELES CITY COLLEGE	330	TIPPING BUCKET	UNLIMITED	BALLONA CREEK	10/1/62 TO DATE 1/
1058B	PALMDALE	2595	WEIGHING	12"	ANTELOPE VALLEY	3/27/53 TO DATE 2/
1116	LONG BEACH - SAN ANSELINE	15	"	12"	SAN GABRIEL RIVER	3/1/63 TO DATE
1157	SAN FERNANDO VALLEY STATE COLLEGE	857	"	12"	LOS ANGELES RIVER	2/6/62 TO DATE
X31	MT. LUKENS DISPOSAL AREA	3250	"	12"	ARROYO SECO	12/22/59 TO 10/19/62

LEGEND

1/ DISTRICT HAS NO FILE OR INCOMPLETE FILE OF AUTOMATIC GAGE CHART RECORDS.
2/ HOURLY AMOUNTS PUBLISHED BY THE UNITED STATES WEATHER BUREAU.
SUFFIX A, B, C, DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN THE SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.
SUFFIX -E DENOTES EVAPORATION PAN AT STATION.
SEASON 1962-63 TABULATION IS IDENTICAL WITH 1961-62 TABULATION WITH THE EXCEPTION OF STATION NUMBERS: 292D-E, 355B, 1058B, 1116, 1157, AND X31.

TABLE II

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COMPARATIVE MAXIMUM RAINFALL DEPTHS IN INCHES

SEASONS 1961-62, 1962-63 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		#716 LOS ANGELES DUCOMMUN STREET		#15B VAN NUYS		#108C EL MONTE FIRE STA.		#425B SAN GABRIEL DAM		#261B ACTON ESCONDIDO CN.		#6 TOPANGA CANYON		#92 POMONA COLLEGE-CLAREMONT		#57B OPID'S (CAMP HI HILL)		#60A HOEGEE'S		#303F CAL TECH PASADENA	
		1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM	1961-1962	MAXIMUM
5 MIN.	AMT.	.16	.44	.22	.33	.20°°	.54	.15	.60	.07	.29	.15	.50	.14	.40	.22	1.17	.15	.43	.15	.32
	DATE	2/19	1/14/08	12/2	12/15/38	11/20	5/11/57	12/2	4/5/26	11/20	8/26/35	11/20	1/22/43	1/20	12/6/46	12/2	4/5/26	12/2	4/29/35	12/2	3/3/43
10 MIN.	AMT.	.25	.66	.32	.43	.40°°	.68	.27	.62	.12	.41	.21	.70	.24	.46	.28	1.18	.25	.52	.20	.47
	DATE	2/19	2/18/14	2/12	1/8/40	11/20	5/11/57	12/2	4/5/26	11/20	8/26/35	12/2	2/20/41	2/19	12/6/46	2/11	4/5/26	12/2	2/3/58	12/2	2/23/57
15 MIN.	AMT.	.28	.81	.48	.50	.48	.77	.35	.68	.15	.44	.32	.91	.27	.50	.37	1.18	.35	.65	.26	.62
	DATE	2/12	2/18/14	2/12	12/15/38	11/20	5/11/57	12/2	4/5/26	11/20	8/26/35	11.20	2/20/41	2/19	9/29/46	2/11	4/5/26	12/2	12/21/45	2/12	2/23/57
30 MIN.	AMT.	.38	1.12	.80	.88	.60°°	.89	.56	.96	.23	.66	.48	1.25°°	.42	.72	.54	1.52	.45	1.06	.44	1.08
	DATE	2/12	2/18/14	2/12	12/28/41	11/20	5/11/57	11/20	4/5/26	11/20	10/1/32	11/20	1/22/43	2/19	9/29/46	12/2	4/5/26	12/2	3/3/43	1/20	3/3/43
1 HR.	AMT.	.60	1.51	1.15	1.26	.85°°	1.08	.85	1.25	.31	.93°°	.86	2.17°°	.52	1.00	.92	2.21	.83	1.70	.66	1.70
	DATE	2/19	2/18/14	2/12	12/28/41	11/20	2/19/58	12/2	1/22/43	2/19	8/24/35	1/20	1/22/43	1/20	1/6/59	2/11	4/5/26	12/2	3/3/43	1/20	3/3/43
2 HR.	AMT.	1.02	1.99	1.29	1.52	1.30°°	1.54	1.30	2.34	.56	1.48°°	1.35	2.85°°	.95	1.63	1.68	3.83	1.41°°	2.88	1.02	2.36
	DATE	2/19	2/18/14	2/12	1/6/59	11/20	1/26/56	1/20	1/22/43	2/19	8/24/35	2/19	1/22/43	1/20	12/31/33	2/11	4/5/26	2/11	3/2/38	1/20	3/3/43
3 HRS.	AMT.	1.23	2.28	1.32	2.13	1.52°°	2.21	1.76	3.28	.75	1.48°°	1.95	3.68	1.29	2.27	2.20	4.95	2.02	4.00	1.26	3.02
	DATE	2/19	2/18/14	2/12	1/22/43	11/20	1/26/56	1/20	1/22/43	2/19	8/24/35	2/19	12/31/33	1/20	12/31/33	2/11	3/2/38	12/2	3/2/38	1/20	12/31/33
4 HRS.	AMT.	1.32	2.71	1.32	2.67°°	1.75°°	2.72	2.10	4.32	.90	1.57	2.22	4.34	1.54	2.96	2.37	6.16	2.72°°	5.30	1.49	3.80
	DATE	2/19	1/26/56	2/12	1/22/43	11/20	1/26/56	1/20	1/22/43	2/19	1/22/43	2/19	12/31/33	1/20	1/22/43	2/11	3/2/38	2/11	3/2/38	1/20	12/31/33
5 HRS.	AMT.	1.49	3.06	1.40	3.13°°	2.10°°	3.15	2.46	5.30	.93	1.82	2.36	5.24	1.75	3.25	2.67	7.24	3.06°°	6.48	1.73	4.55
	DATE	2/19	3/2/38	2/11	1/22/43	11/20	1/26/56	1/20	1/22/43	2/19	1/22/43	2/19	12/31/33	1/20	1/22/43	2/11	3/2/38	2/11	1/22/43	1/20	12/31/33
12 HRS.	AMT.	2.70	5.02°°	2.97	5.29	2.70	5.41	3.57	10.35	1.30	3.14	4.28	9.79	2.26	5.26	4.46	13.38	6.05°°	13.36	2.45	7.98
	DATE	2/10	1/26/56	2/10	12/31/33	11/20	1/26/56	1/20	1/22/43	2/10	1/22/43	2/10	12/31/33	1/20	1/26/56	2/11	3/2/38	2/11	1/22/43	2/10	12/31/33
24 HRS.	AMT.	3.59	7.36	4.51	8.13°°	3.42	7.23	4.73	17.81	2.21°°	4.44	6.55	13.63	2.26	7.92	6.12	21.68	9.40°°	26.12	3.48	11.26°°
	DATE	2/10	12/31/33	2/10	1/21/43	2/10	1/26/56	2/10	1/22/43	2/10	1/22/43	2/10	12/31/33	1/20	12/31/33	2/10	1/22/43	2/10	1/22/43	2/10	12/31/33
STORM TOTAL																					
AUTO.	AMT.	9.35	9.35	9.60	INC.	8.90	9.18	12.03	24.07	4.08	6.45	18.56	18.56	4.58	10.70	16.47	32.15	INC.	37.42	9.64	13.64
	DATE	2/7 - 2/12	2/7/62 - 2/12/62	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	1/25/56- 1/27/56	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	2/7/62- 2/12/62	2/7 - 2/12	1/21/43- 1/24/43	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	1/21/43- 1/23/43
STD.	AMT.	9.45	9.67	11.18	11.31	9.50	12.99°°	12.18	25.08	4.18	6.69	20.13	20.13	4.69	11.03	16.11	33.95	20.21	37.34	9.47	13.86
	DATE	2/7 - 2/12	3/2/84- 3/10/84	2/7 - 2/12	1/21/43- 1/23/43	2/7 - 2/12	12/30/33- 1/2/34	2/7 - 2/12	12/17/21- 12/22/21	2/7 - 2/12	12/18/21 12/27/21	2/7 - 1/12	2/7/62 2/12/62	2/7 - 2/12	2/10/27 2/18/27	2/7 - 2/12	12/18/21 12/23/21	2/7 - 2/12	1/21/43 1/23/43	2/7 - 2/12	1/21/43 1/23/43
		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963		1962-1963	
5 MIN.	AMT.	.10		.08		.22°°		.15		.06		.20		.16		.12		.12		.12	
	DATE	3/16		2/9		3/16		2/9		9/18		4/26		9/18		2/9		2/9		3/16	
10 MIN.	AMT.	.19		.14		.30°°		.27		.11		.32		.26		.21		.20		.18	
	DATE	3/16		2/9		3/16		2/9		9/18		4/26		9/18		2/9		2/9		3/16	
15 MIN.	AMT.	.29		.20		.35°°		.39		.18		.37		.29		.25		.30		.22	
	DATE	3/16		2/9		3/16		2/9		9/18		4/26		9/18		2/9		2/9		4/25	
30 MIN.	AMT.	.39		.31		.49°°		.49		.26		.54		.33		.53		.60		.36	
	DATE	3/16		2/9		3/16		2/9		9/18		9/19		3/16		2/9		2/9		3/16	
1 HR.	AMT.	.58		.58		.71°°		.70		.34		.77		.51		1.16		1.17		.65	
	DATE	3/16		2/9		3/16		2/9		9/18		2/9		3/16		2/9		2/9		2/9	
2 HRS.	AMT.	.98		.99		.96°°		1.36		.41		1.37		.80		1.72		2.00		1.10	
	DATE	3/16		2/9		3/16		2/9		9/18		2/9		2/9		2/9		2/9		2/9	
3 HRS.	AMT.	1.23		1.37		1.12°°		1.82		.54		1.87		1.07		2.29		2.52		1.52	
	DATE	3/16		2/9		3/16		2/9		2/9		2/9		2/9		2/9		2/9		2/9	
4 HRS.	AMT.	1.45		1.63		1.38°°		2.37		.69		2.25		1.28		2.77		3.19		1.95	
	DATE	3/16		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9	
5 HRS.	AMT.	1.66		1.97		1.61°°		2.90		.78		2.77		1.58		3.25		3.87		2.23	
	DATE	2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9	
12 HRS.	AMT.	2.32		2.74		2.24°°		4.91		1.15		4.23		2.68		6.08°°		6.37		3.19	
	DATE	2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9	
24 HRS.	AMT.	3.00		3.30		3.23°°		5.84		1.41		5.03		3.86		8.42°°		8.07		3.80	
	DATE	2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9		2/9	
STORM TOTAL																					
AUTO.	AMT.	3.09		3.50		3.34		6.10		1.59		5.37		4.04		8.91°°		8.40		3.92	
	DATE	2/9 2/10		2/9 2/11		2/9 2/10		2/9 2/11		2/9 2/11		2/9 2/11		2/9 2/10		2/9 2/11		2/9 2/11		2/9 2/10	
STD.	AMT.	3.11		3.61		3.17		6.19		1.66		5.78		3.99		8.91		8.61		3.93	
	DATE	2/9 2/10		2/9 2/11		2/9 2/10		2/9 2/11		2/9 2/11		2/9 2/11		2/9 2/10		2/9 2/11		2/9 2/11		2/9 2/10	

LEGEND

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

NOTE: RAINFALL DEPTHS IN INCHES ARE TAKEN FROM AUTOMATIC RAIN GAGES EXCEPT WHERE INDICATED AS STANDARD AMOUNT.
REFER TO TABLE I PAGE 8 FOR PERIOD OF AUTOMATIC RAIN GAGE RECORD

TABLE III

SEASONAL 1961-62 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15B	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A¹E	PACOIMA DAM	E																																0
57B-E	OPID'S	E								T																								T
85G	MT. BALDY	B																														.01	.07	.08
106D	WHITTIER	E																																0
130B	SANDBERG'S	C																										T		.05				.05
185	GLENDORA -	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283C	CRYSTAL LAKE	E																														.03		.03
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																															T	T
440B	CHILAO	B																																0
455B	LANCASTER	E																																0
478	VALYERMO	E								.02																							.07	.09
577F	LOS ANGELES	F																															T	T
610B	PASADENA	E																																0
634C	SANTA MONICA	D																																0

NOVEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																				2.07					1.67				T	.43	4.17
15B	VAN NUYS	B																				.90					.65	.46				.30	2.31
32C	NEWHALL	C																				1.78					1.51	.08				.14	3.51
33A¹E	PACOIMA DAM	E																				.69					1.03	.04			T	.31	2.07
57B-E	OPID'S	E	T																			2.56					1.30	.50			.15	.38	4.89
85G	MT. BALDY	B																					3.40				.82	.96				.25	5.43
106D	WHITTIER	E																				1.84					.66	T				.03	2.53
130B	SANDBERG'S	C																				1.40	.22				1.32				.07	.79	3.80
185	GLENDORA	E																				2.38	.03				.86	.15				.18	3.60
241B	LONG BEACH	A																				.74					.75	.25				.01	1.75
256B	POMONA	E																					.73				.62					.03	1.38
283C	CRYSTAL LAKE	E																				2.23	.05				2.17	.03				.29	4.77
321-E	PINE CANYON	C																				.95	.03				1.77	.03				.15	2.93
425B-E	SAN GABRIEL DAM	E																				2.39					1.23	.10				.09	3.81
440B	CHILAO	B																				T	1.28				.61	1.02				.30	3.21
455B	LANCASTER	E																				.62					.85					.03	1.50
478	VALYERMO	E																				.38					.90					.04	1.32
577F	LOS ANGELES	F															T	T				1.23			T		.58	.09			T	.12	2.02
610B	PASADENA	E																T				1.45	.02				.76	.23				.11	2.57
634C	SANTA MONICA	D														T						.95					1.17				T	.32	2.44

DECEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E		2.55	.41											.28	.01																	3.25
15B	VAN NUYS	B		1.56	.52											.08	.15																	2.31
32C	NEWHALL	C		2.09	.25											.21																		2.55
33A¹E	PACOIMA DAM	E	.05	1.85	.22											.27																		2.39
57B-E	OPID'S	E	.01	4.39	.81									.02	.03	.56	.02																	5.84
85G	MT. BALDY	B		4.95	.80								.08			.08	.03																	5.94
106D	WHITTIER	E		1.25	.47											.12																		1.84
130B	SANDBERG'S	C		1.68	.16											.34																		2.18
185	GLENDORA	E	.11	2.16	.42						T		.05			.24																		2.98
241B	LONG BEACH	A	.10	.90	.04											.22	.01																	1.27
256B	POMONA	E	.09	1.73	.33											.08																		2.23**
283C	CRYSTAL LAKE	E	.05	5.20	.84										.06	.39																		6.54
321-E	PINE CANYON	C	.01	1.92	.25											.15	.10																	2.43
425B-E	SAN GABRIEL DAM	E	.06	3.53	.84							.02				.38				T														4.83
440B	CHILAO	B		2.97	.57										T	.16	.18																	3.88
455B	LANCASTER	E		.56													.08																	.64
478	VALYERMO	E		1.61	.04											.08	.06																	1.79
577F	LOS ANGELES	F	.22	1.10	T										.03	.09																		1.44
610B	PASADENA	E	T	1.83	.61							T				.20	.02																	2.66
634C	SANTA MONICA	D	T	-	1.27											.22																		1.49

JANUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E												.12								3.16	.36	.92	.20									4.76
15B	VAN NUYS	B													.09							.37	.50	.58	.77	.04								2.35
32C	NEWHALL	C																				1.31	.14	1.34	.50									3.29
33A¹E	PACOIMA DAM	E													.15							1.97	.20	1.21	.48									4.01
57B-E	OPID'S	E													.25							3.59	.58	2.25	.43									7.10
85G	MT. BALDY	B													.27							.61	3.02	1.48	.39	.02								5.79
106D	WHITTIER	E													.21							1.62	.17	.79	.19									2.98
130B	SANDBERG'S	C														.10						.39	.07	1.94	1.21									3.71
185	GLENDORA	E													.32							2.09	.22	.40	.11									3.14
241B	LONG BEACH	A																				1.30	.50	.62										2.42
256B	POMONA	E													.43							1.75	-	.55										2.73
283C	CRYSTAL LAKE	E													.25							3.29	.54	1.19	.26									5.53
321-E	PINE CANYON	C													.05							1.43	.18	.55	1.30									3.51
425B-E	SAN GABRIEL DAM	E													.30							3.65	.38	.67	.14									5.14
440B	CHILAO	B													.18							.78	1.16	1.22	.92									4.26
455B	LANCASTER	E																				-	-	1.02										1.02
478	VALYERMO	E																				.60	.09	.37	.34									1.40
577F	LOS ANGELES	F												.16	.01							1.44	.39	.56										2.56
610B	PASADENA	E													.20							1.98	.23	.81	.20									3.42
634C	SANTA MONICA	D													.44							-	-	2.34										2.78

SEASONAL 1961-62 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

FEBRUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL
6	TOPANGA	E							.56	5.47	2.86	5.82	4.26	1.16		.01	2.07	.18			2.98	.03	.16			.13					25.69
15B	VAN NUYS	B								1.38	1.29	1.17	5.21	2.13			.67	.32			1.80	.23	.04	.01				.01			14.26
32C	NEWHALL	C							.32	2.32	1.05	2.88	5.23	1.76		.05	.88	.11			1.79	.17	.01								16.57
33A¹E	PACOIMA DAM	E							.36	2.04	.67	2.16	4.93	1.21		.02	1.04	.21			1.34	.24	.01	.01		.24	.03				14.51
57B-E	OPID'S	E							.26	4.37	3.15	2.08	8.60	1.85		2.35	.17	.08			1.81	.20	.33			.21	.21	.07			25.74
85G	MT. BALDY	B								1.89	2.60	1.56	2.12	2.44		.02	.10	1.67	.08		.61	1.42	.57				.52	.13			15.73
106D	WHITTIER	E							.25	2.75	.97	.44	3.13	.41		.01	1.58	.11			1.85	.53	1.13	.45		.03	.07	T			13.71
130B	SANDBERG'S	C							.19	.53	1.54	4.17	3.82	.31		.04	.50	.06	.20	.01	1.84	.29	.11		T	T	T	.06			13.67
185	GLENDORA	E							.25	2.44	1.25	.30	2.12	.55		.02	.95	.23	.02		1.17	.54	.20			.02	.18	.05			10.29
241B	LONG BEACH	A						T	.33	2.90	.24	.60	.70	.50		.04	1.54	T			.76	.70	.13		.23			.02			8.69
256B	POMONA	E							.20	2.51	.82		.77	.27		.02	.78	.20			1.15	.29	.51	.02			.26	.06			7.86
283C	CRYSTAL LAKE	E							.23	3.04	2.82	2.31	6.55	1.44			1.56	.15			1.85	.57	.20			.29	.24	.12	.07		21.44
321-E	PINE CANYON	C							.18	1.86	1.22	1.39	4.17	1.01		.06	.75	.08			1.38	.02	.09			T	.05				12.26
425B-E	SAN GABRIEL DAM	E							.27	3.55	2.20	.63	4.72	.77			1.77	.30			1.49	.86	.16			.01	.23	.04			17.00
440B	CHILAO	B								1.19	1.83	1.50	5.71	5.85			.09	1.08	.01		.90	.65	.25	.05			.29	.03	.01		19.44
455B	LANCASTER	E							-	-	-	-	-	2.40		.07	-	.13			-	1.35					.09	.11			4.15
478	VALYERMO	E							-	.55	.26	.93	2.52	1.28			.19	.09			1.01		.05				.10		.02		6.98
577F	LOS ANGELES	F							.43	2.43	.95	2.55	1.24	.43		.03	1.35	.20			1.72	.21	T			.03		T			11.57
610B	PASADENA	E							.24	2.20	1.19	1.14	3.07	1.42		.03	1.27	.23	.03		1.81	.20	.17	T		.01	.11	.02			13.14
634C	SANTA MONICA	D							.39	4.20	1.15	-	-	5.31		.04	2.01	.06			1.57	.13	.14			T	.08				15.08

MARCH

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E						.94	.01											.19	.03	.01	.10	.28										1.56
15B	VAN NUYS	B						.39	.02			.05									.51		.06	T										1.03
32C	NEWHALL	C						.53												.08	.69				.20									1.50
33A¹E	PACOIMA DAM	E						.29	.04		.03							T		.10	.60	.09	.02	.02	.25					.01				1.45
57B-E	OPID'S	E						.96	.14	.12	.15							.02	.02	.09	.47	.09	.09	.04	.45									2.64
85G	MT. BALDY	B						.70	.53	.01		.24							.09		.37	.37			.70									3.01
106D	WHITTIER	E						.38	.01		.03									.10	.28		.01		.11									.92
130B	SANDBERG'S	C						.44												.13	.36	.23								.03				1.19
185	GLENDORA	E						.80	.32	.06	.33	.01							T	.04	.10	.12	.01	.02	.41					.01				2.23
241B	LONG BEACH	A						.48	.18											.56			.10	.11										1.43
256B	POMONA	E					T	.33	.01											.03	.20	.10			.25									.92
283C	CRYSTAL LAKE	E						1.27	.10		.14								.04	.11	.28	.10	.01	.06	.34					T				2.45
321-E	PINE CANYON	C						.88	.05		.12									.01	.17	.04	T	.02	.13									1.42
425B-E	SAN GABRIEL DAM	E			T		T	.75	T		.28							T		.04	.15	.13		.07	.63					T				2.05
440B	CHILAO	B						.62	.32	T		.06									.29	.02	.01	-	.13									1.45
455B	LANCASTER	E							.20												.05	.04			.02									.31
478	VALYERMO	E					.02	.93	.09		.07									.01	.10		.02											1.24
577F	LOS ANGELES	F						.47			T							T		.43	.02	.05		.13						T	T			1.10
610B	PASADENA	E							.70			.10						T	T	.07	.45	.02	.16	T	.19									1.69
634C	SANTA MONICA	D						.83	.03									T			.16	T			.15									1.17

APRIL

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E																															0
15B	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A¹E	PACOIMA DAM	E																									.10			.02			.12
57B-E	OPID'S	E																															0
85G	MT. BALDY	B																															0
106D	WHITTIER	E																															0
130B	SANDBERG'S	C																												T			T
185	GLENDORA	E										.01															.07				T		.08
241B	LONG BEACH	A																															0
256B	POMONA	E																												T			T
283C	CRYSTAL LAKE	E																									T						T
321-E	PINE CANYON	C																												T			T
425B-E	SAN GABRIEL DAM	E										.01															.02			.01			.04
440B	CHILAO	B																															0
455B	LANCASTER	E																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F																									T			T			T
610B	PASADENA	E																									T						T
634C	SANTA MONICA	D																															0

MAY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E															T	.10																.10
15B	VAN NUYS	B														.09		.09																.18
32C	NEWHALL	C																.02																.02
33A¹E	PACOIMA DAM	E														.07	.16	.18																.41
57B-E	OPID'S	E														.27	.29	.18																.74
85G	MT. BALDY	B														.20	.35	.55											.10					1.20
106D	WHITTIER	E														.06													.07					.13
130B	SANDBERG'S	C														.38	.09																	.47
185	GLENDORA	E														.05	.33	.30								T		T	.03					.71
241B	LONG BEACH	A																																0
256B	POMONA	E														.20	.08																	.28
283C	CRYSTAL LAKE	E														.24	.30	.61												.06				1.21
321-E	PINE CANYON	C														.03	.14	.43																.60
425B-E	SAN GABRIEL DAM	E														.16	.27	.42																.85
440B	CHILAO	B															.26		.11															.37
455B	LANCASTER	E														-	-	.17											.03					.20
478	VALYERMO	E																																0
577F	LOS ANGELES	F																.02																.02
610B	PASADENA	E														T	.06	.58	.09															.73
634C	SANTA MONICA	D														T	T	T																T

SEASONAL 1961-62 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

JUNE

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E										.02																					.02
15B	VAN NUYS	B																															0
32C	NEWHALL	C																															0
33A[1]E	PACOIMA DAM	E													T																		T
57B-E	OPID'S	E														.06	.02																.08
85G	MT. BALDY	B															.10																.10
106D	WHITTIER	E																															0
130B	SANDBERG'S	C																															0
185	GLENDORA	E			T	.03						.03			T	.01																	.07
241B	LONG BEACH	A															.19																.19
256B	POMONA	E															T																T
283C	CRYSTAL LAKE	E														.09																	.09
321-E	PINE CANYON	C																															0
425B-E	SAN GABRIEL DAM	E										T				.01																	.01
440B	CHILAO	B																															0
455B	LANCASTER	E																															0
478	VALYERMO	E																															0
577F	LOS ANGELES	F			T				T		T	T	T		T	T	T																T
610B	PASADENA	E			T	T						.03			T	T																	.03
634C	SANTA MONICA	D																															0

JULY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15B	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A[1]E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85G	MT. BALDY	B																																0
106D	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283C	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																																0
440B	CHILAO	B																																0
455B	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634C	SANTA MONICA	D																																0

AUGUST

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15B	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A[1]E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85G	MT. BALDY	B																																0
106D	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283C	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																																0
440B	CHILAO	B																																0
455B	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634C	SANTA MONICA	D																																0

SEPTEMBER

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

LEGEND

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

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR STARTING APRIL 29, 1962

NOTE: FOR SEASON TOTALS SEE TABLE V

- INDICATES PERIOD OF TOTAL FOLLOWING
* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL

TABLE IV

SEASONAL 1962-63 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

OCTOBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E														.34																	.34
15B	VAN NUYS	B														.06																	.06
32C	NEWHALL	C														.04																	.04
33A'E	PACOIMA DAM	E														.26				T													.26
57B-E	OPID'S	E				.14										.14				.08													.36
85G	MT. BALDY	B					.06									T				.20	.11												.37
106D	WHITTIER	E														.10				.03													.13
130B	SANDBERG'S	C														.14																	.14
185	GLENDORA	E				.21										T	.02			.05													.28
241B	LONG BEACH	A																		T													T
256B	POMONA	E				.01														.15													.16
283C	CRYSTAL LAKE	E				.07										.11				.73													.91
321-E	PINE CANYON	C														.34				.03													.37
425B-E	SAN GABRIEL DAM	E				.06														.09													.15
440B	CHILAO	B					T									T	.01			.39	.02												.42
455B	LANCASTER	E																															0
478	VALYERMO	E																		.37													.37
577F	LOS ANGELES	F				T										.10			T	.02													.12
610B	PASADENA	E				.09										.07				.03													.19
634C	SANTA MONICA	D														.28				T													.28

NOVEMBER

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

DECEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																	.04															.04
15B	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																								T								T
57B-E	OPID'S	E																	.03															.03
85G	MT. BALDY	B																	T	.02														.02
106D	WHITTIER	E																	.01	.01														.02
130B	SANDBERG'S	C																	.01															.01
185	GLENDORA	E																	T	T						.06	.01							.07
241B	LONG BEACH	A															T		.01	T														.01
256B	POMONA	E																		T						.05	.02							.07
283C	CRYSTAL LAKE	E																			.02													.02
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																	T	T						T	T							T
440B	CHILAO	B																	T	T														T
455B	LANCASTER	E																		T														T
478	VALYERMO	E																	.01	.07	.02													.10
577F	LOS ANGELES	F																	T	T						T								T
610B	PASADENA	E																	.01							.02	.02							.05
634C	SANTA MONICA	D																	T															T

JANUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																														.91	.91
15B	VAN NUYS	B																														0	0
32C	NEWHALL	C																														.84	.84
33A'E	PACOIMA DAM	E									.01																					.82	.83
57B-E	OPID'S	E			.07							.16																				1.44	1.67
85G	MT. BALDY	B			.01							.42																				.14	.57
106D	WHITTIER	E																														.36	.36
130B	SANDBERG'S	C																													.06	.07	.13
185	GLENDORA	E									.03	.51																				.55	1.09
241B	LONG BEACH	A																														.19	.19
256B	POMONA	E		T							T	.05																				.46	.51
283C	CRYSTAL LAKE	E				.04						.16																				1.05	1.25
321-E	PINE CANYON	C																														.22	.22
425B-E	SAN GABRIEL DAM	E									.03	.60																				.72	1.35
440B	CHILAO	B			.12							.07																				.05	.24
455B	LANCASTER	E																														.01	.01
478	VALYERMO	E			.05																												.05
577F	LOS ANGELES	F		T	.01						.03	T																			T	.48	.52
610B	PASADENA	E										.08																				.40	.48
634C	SANTA MONICA	D																														.43	.43

SEASONAL 1962-63 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

FEBRUARY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL
6	TOPANGA	E	.45								3.20	2.56	.02		.08	.12															6.43
15B	VAN NUYS	B	.65	.08								3.23	.22		T	.20															4.38
32C	NEWHALL	C	.08								1.12	1.70		.06	.07	.06															3.09
33A'E	PACOIMA DAM	E	.46								1.57	1.49	.05		T	.53															4.10
57B-E	OPID'S	E	.22								2.88	5.86	.17		.04	.49															9.66
85G	MT. BALDY	B	.91	.02								7.01	.91		T	.28															9.13
106D	WHITTIER	E	.27	.03							1.07	2.85			.03	.31															4.56
130B	SANDBERG'S	C	.09								1.56	1.01	.21		.05																2.92
185	GLENDORA	E	.23	.05							1.41	2.57	.02		.02	.41															4.71
241B	LONG BEACH	A	.31								1.08	4.42				.10															5.91
256B	POMONA	E	.20								.73	3.20	.02			.25															4.40
283C	CRYSTAL LAKE	E	.16								2.30	4.22	.03			.29															7.00
321-E	PINE CANYON	C	.12								.88	1.46	.10		.02	.02															2.60
425B-E	SAN GABRIEL DAM	E	.18	.06							1.91	4.28			.02	.29															6.74
440B	CHILAO	B	1.01	.06							.01	5.03	.30			.44															6.85
455B	LANCASTER	E										.62	T		T																.62
478	VALYERMO	E									.02	1.61			.01	.05															1.69
577F	LOS ANGELES	F	.10								1.91	.67	T		.02	.18															2.88
610B	PASADENA	E	.28								1.15	2.65	.05		.01	.70															4.84
634C	SANTA MONICA	D	.92									3.39			.12	.26															4.69

MARCH

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																.48	1.59						.37					1.36				3.80
15B	VAN NUYS	B															.04		1.65	.05					.17					.90	.04			2.85
32C	NEWHALL	C									.05						.10	.19	1.75	.03					.32	.01				1.04				3.49
33A'E	PACOIMA DAM	E									.04						.18	.18	1.33	.01					.57					.73				3.04
57B-E	OPID'S	E															.14	.55	1.25	.10					.73					1.04				3.81
85G	MT. BALDY	B									.42						.15		1.20	.35					.15					.66	.27			3.20
106D	WHITTIER	E															.15	.10	1.53	.24					.19					.55				2.76
130B	SANDBERG'S	C			.08						.02						.06	.34	1.14	.02					.17					.69				2.52
185	GLENDORA	E									.14						.08	.10	1.35	.06					.22					.49				2.44
241B	LONG BEACH	A															.09	.12	1.03						.47					1.25				2.96
256B	POMONA	E									.12						.10	T	1.36						.14					.53				2.25
283C	CRYSTAL LAKE	E															.16	.31	1.16	.02					.20					.89				2.74
321-E	PINE CANYON	C															.09		.81						.67					.80				2.37
425B-E	SAN GABRIEL DAM	E									T			T			.10	.12	1.64	.02					.20	.03				.66				2.77
440B	CHILAO	B				T						T					.07		1.74	.02					.26					.91	.07			3.07
455B	LANCASTER	E															.08		.42						.04	.03				.32				.89
478	VALYERMO	E																	.73	.10					.01					1.19				2.03
577F	LOS ANGELES	F									.11					.05	.05	1.34	.18					.14	.31				T	.60				2.78
610B	PASADENA	E									.02						.11	.03	1.35	.13					.21					.50				2.35
634C	SANTA MONICA	D															.04		1.32						.06					1.35				2.77

APRIL

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
6	TOPANGA	E								.06						.63	.03					.07	.43					1.45					2.67
15B	VAN NUYS	B								.05						.03	.45		.03				.15					.65	.15				1.51
32C	NEWHALL	C								T						.50	.02		.10				.18					.98	.12				1.90
33A'E	PACOIMA DAM	E	.07	T						.37	T					.72	.15		.14		T	.01	.33					1.11	.10				3.00
57B-E	OPID'S	E	.05							.05						.70	.18		.12				1.36					1.21	.03				3.70
85G	MT. BALDY	B															.68		.30	.07			1.35					.70	.43				3.53
106D	WHITTIER	E	.08	T						.08						.25	.03		.17				.24					.84					1.69
130B	SANDBERG'S	C	.27						.06							.23		.17	.16				.09					.93					1.91
185	GLENDORA	E	T							.05						.36	.18		.36		T		.49					1.01					2.45
241B	LONG BEACH	A														.16			.21				.10*					.48					.95*
256B	POMONA	E	T	.09												.43	.26		.48				.25					.85					2.36
283C	CRYSTAL LAKE	E	.02*							.05						.54	.06		.19				1.51					1.20	.06				3.63**
321-E	PINE CANYON	C								.06	.03	.01				.25	.01		.23	T	.01		.50					.80					1.90
425B-E	SAN GABRIEL DAM	E	.05							.01						.49	.07		.08		T		.99					1.05					2.74
440B	CHILAO	B		T						.04						T	.46		.14				.66					.81	.25				2.36
455B	LANCASTER	E									.04					T			.17				.15					.38					.74
478	VALYERMO	E														.15			.05				.13					.44					.77
577F	LOS ANGELES	F							.04	.03						.67	.01		.01		T	.39	T				.42	.37					1.94
610B	PASADENA	E	.05	.01						.10						.55	.03		.05		T	T	.42					.68	.02				1.91
634C	SANTA MONICA	D							.04							.52					.05							.69					1.30

MAY

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

SEASONAL 1962-63 DAILY RAINFALL FOR SELECTED STATIONS

RAINFALL RECORDS IN INCHES

JUNE

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E										.02	.25	.02																			.29
15B	VAN NUYS	B			T							T	.01	.04						T													.05
32C	NEWHALL	C										T	.19	.09	.09																		.37
33A'E	PACOIMA DAM	E										.35	.19	.13																			.67
57B-E	OPID'S	E					T	.03				.04	.18	.06																			.31
85G	MT. BALDY	B												.30																			.30
106D	WHITTIER	E										T	.07																				.07
130B	SANDBERG'S	C										.02	.06	.50	.08																		.66
185	GLENDORA	E			.04	.01	.01	.05				.09	.11										.03	T	.04								.38
241B	LONG BEACH	A											.40																				.40
256B	POMONA	E										T	.03																				.03
283C	CRYSTAL LAKE	E						.16	.02				.05	.29	.11																		.63
321-E	PINE CANYON	C											.07	.31	.03																		.41
425B-E	SAN GABRIEL DAM	E			.02	.01		.05	.01			.08	.11	.01																			.29
440B	CHILAO	B											.12	.36	.09																		.57
455B	LANCASTER	E												.53	.06																		.59
478	VALYERMO	E											.03	.23	.04																		.30
577F	LOS ANGELES	F			.01			T			T	.02	.11	T						T													.14
610B	PASADENA	E		T	.05							.11	.20	T											T								.36
634C	SANTA MONICA	D			T								.15	T				T		T													.15

JULY

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																																0
15B	VAN NUYS	B																																0
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E																																0
57B-E	OPID'S	E																																0
85G	MT. BALDY	B																																0
106D	WHITTIER	E																																0
130B	SANDBERG'S	C																																0
185	GLENDORA	E																																0
241B	LONG BEACH	A																																0
256B	POMONA	E																																0
283C	CRYSTAL LAKE	E																																0
321-E	PINE CANYON	C																																0
425B-E	SAN GABRIEL DAM	E																																0
440B	CHILAO	B																																0
455B	LANCASTER	E																																0
478	VALYERMO	E																																0
577F	LOS ANGELES	F																																0
610B	PASADENA	E																																0
634C	SANTA MONICA	D																																0

AUGUST

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E								.27																								.27
15B	VAN NUYS	B							T	T																								T
32C	NEWHALL	C																																0
33A'E	PACOIMA DAM	E						T	T	T																								T
57B-E	OPID'S	E							T	T																								T
85G	MT. BALDY	B																																0
106D	WHITTIER	E							.02																									.02
130B	SANDBERG'S	C							.08	.29																								.37
185	GLENDORA	E							.02																									.02
241B	LONG BEACH	A																																0
256B	POMONA	E							.12																									.12
283C	CRYSTAL LAKE	E								T																								T
321-E	PINE CANYON	C							.04	.04																								.08
425B-E	SAN GABRIEL DAM	E						T	T																									T
440B	CHILAO	B								.18																								.18
455B	LANCASTER	E							.22	.16																								.38
478	VALYERMO	E							.24		.01																							.25
577F	LOS ANGELES	F							.01	.01																								.02
610B	PASADENA	E							T																									T
634C	SANTA MONICA	D							T	.96																								.96

SEPTEMBER

STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	11	12	14	15	16	27	28	29	30	31	TOTAL
6	TOPANGA	E				.50													.05		.87													1.42
15B	VAN NUYS	B				.03	.18							T						.28	.09	.02												.60
32C	NEWHALL	C				.30	.02													.04	.30													.66
33A'E	PACOIMA DAM	E				.31	T							.03					.03	.37	.37													1.11
57B-E	OPID'S	E				.72								.05*					.94	1.48	.44													3.63**
85G	MT. BALDY	B				.10	.66													1.89	1.91	.20												4.76
106D	WHITTIER	E				.57													.70	.17	.39													1.83
130B	SANDBERG'S	C					.96							T						.62	.39													1.97
185	GLENDORA	E				.63									T				.74	.43	.85													2.65
241B	LONG BEACH	A				.54								T					.97		.12													1.63
256B	POMONA	E				.57								.01					.94	.78	.45													2.75
283C	CRYSTAL LAKE	E			.12	.45	.11								.02				1.07	1.66	2.02													5.45
321-E	PINE CANYON	C				.62	.14							.12						.70	.47													2.05
425B-E	SAN GABRIEL DAM	E				.79	.02								T				.86	.66	.99													3.32
440B	CHILAO	B				.03	.85							T					.60	.67	1.18													3.33
455B	LANCASTER	E				.69								.05					.38	.57														1.69
478	VALYERMO	E				.23	.13								.03				.35	.65	.90													2.29
577F	LOS ANGELES	F				.30		T						.13					.42	.30	.16													1.31
610B	PASADENA	E				.41	.01								.01				.53	.12	.43													1.51
634C	SANTA MONICA	D				.35													.42	.03	.21													1.01

LEGEND

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

DAYLIGHT SAVING TIME - CLOCK ADVANCED ONE HOUR ENDING OCTOBER 28, 1962, STARTING APRIL 28, 1963

NOTE: FOR SEASON TOTALS SEE TABLE VI

- INDICATES PERIOD OF TOTAL FOLLOWING

* ESTIMATE > 10% OF TOTAL

** ESTIMATE < 10% OF TOTAL

TABLE V

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1961-62

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	0	3.02	1.58	4.04	16.90	1.47	0	.22	0	0	0	0	27.23
3B	SEMINOLE HOT SPRINGS	0	5.00	2.65	4.22	20.04	1.69	0	.12	0	0	0	0	33.72
5B	CALABASAS	0	3.15	2.07	2.22	15.19	1.34	0	.02	0	0	0	0	23.99
6	TOPANGA PATROL STATION	0	4.17	3.25	4.76	25.69	1.56	0	.10	.02	0	0	0	39.55
9B	LINDOMAR NURSERY - SEPULVEDA & RAYEN	0	2.69	2.02	2.35	11.52	1.07	0	.19	0	0	0	0	19.84
10	BEL AIR HOTEL	0	3.11	2.12	3.36	17.42	1.45	0	.08	0	0	0	0	27.54
11C	UPPER FRANKLIN CANYON RESERVOIR	0	3.60	2.43	3.46	18.46	1.45	0	.17	.05	0	0	0	29.62
12	FRANKLIN CANYON - MULHOLLAND HIGHWAY	0	4.09	2.28	2.94	16.57	1.35	0	.17*	.03*	0	0	0	27.43**
13B	NORTH HOLLYWOOD - BLIX	0	2.99	1.93	2.81	15.03	1.03	0	.13	.02	0	0	0	23.94
14B	ROSCOE-MERRILL	0	2.23	1.61	2.97	11.64	1.17	0	.56	.01	0	0	0	20.19
15B	VAN NUYS	0	2.31	2.31	2.35	14.26	1.03	0	.18	0	0	0	0	22.44
17	SEPULVEDA CANYON & MULHOLLAND HIGHWAY	0	3.33	2.76	3.27	19.63	1.12	0	.17	T	0	0	0	30.28
20B	GIRARD RESERVOIR	0	3.07	2.20	2.17	15.15	1.20	0	.15	T	0	0	0	23.94
21	BRANT RANCHO - GIRARD	0	3.05*	2.07	1.85**	12.10	.85	0	.15*	0	0	0	0	20.07**
23-E	CHATSWORTH RESERVOIR	0	3.08	1.43	2.39	13.98	1.17	0	.06	T	0	0	0	22.11
24D	CHATSWORTH	0	3.20	1.52	3.20	15.02	1.27	0	T	0	0	0	0	24.21
25B	NORTHRIDGE - ANDREWS	0	2.56	1.49	2.44	12.71	1.23	0	.12	.03	0	0	0	20.58
27B	PACOIMA - RADOATZ RANCH	0	1.99	2.07	2.34	12.93	1.32	0	.15*	0	0	0	0	20.80**
28F	SAN FERNANDO	0	2.15	1.67	3.51	13.04	1.45	0	.27	.06	0	0	0	22.15
29B	GRANADA PUMP PLANT	0	2.66	1.36	3.47	15.00	1.71	T	.23	T	0	0	0	24.43
30B	SYLMAR	0	2.35	1.57	3.97	13.93	1.06	0	.44	0	0	0	0	23.32
31	ORCUTT RANCH	0	4.50	2.85	2.88	23.25	2.32	0	0	.06*	0	0	0	35.86**
32C	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	0	3.51	2.55	3.29	16.57	1.50	0	.02	0	0	0	0	27.44
33A'-E	PACOIMA DAM	0	2.07	2.39	4.01	14.51	1.45	.12	.41	T	0	0	0	24.96
39B	SUNSET DAM	0	2.62	2.00	3.56	13.52	1.12	0	.42	0	0	0	0	23.24
42B	REDONDO BEACH CITY HALL	0	1.63	.98	.63	5.40	1.32	0	0	0	0	0	0	14.21
43D	PALOS VERDES ESTATES	0	1.83	1.65	2.47	8.28	1.15	0	0	.08	0	0	0	15.46
44B	POINT VICENTE LIGHTHOUSE	T	1.62	1.27	2.66	7.85	.88	0	T	T	0	0	.02	14.30
46D-E	BIG TUJUNGA DAM	0	3.30	3.35	4.63	16.46	1.86	0	.48	.02	0	0	0	30.10
47D	CLEAR CREEK - CITY SCHOOL	0	3.47	3.74	6.29	19.25	2.13	0	.70	.06	0	0	0	35.64
48B	OAK WILDE	0	2.02	2.00	2.31	13.44**	1.42	0	.30	.05*	0	0	0	21.54**
50B	LA CANADA - ARROYO SECO	0	2.68	2.48	4.16	13.19	1.44	.01	.58	0	0	0	0	24.54
51	FALLING SPRINGS	T	4.61	5.77	4.45	18.97	2.30	.01	1.31	.07	0	0	0	37.49
52C	WATERMAN GUARD STATION	T	3.37	3.50	5.05	17.76	2.06	0	.81	.05	0	0	0	32.60
53D	COLBY'S	T	3.32	3.76	4.45	18.81	2.04	0	.48	0	0	0	0	32.86
54C	LOOMIS RANCH - ALDER CREEK	0	2.16	1.97	2.40	11.14	1.16	0	.35	0	0	0	0	19.18
57B-E	OPID'S (CAMP HI-HILL)	T	4.89	5.84	7.10	25.74	2.64	0	.74	.08	0	0	0	47.03
58	STURTEVANT CAMP	.05	4.64	5.45	5.94	28.36	3.19	.02	.95	.10	0	0	0	48.70
60A	HOEGEE'S	.02	4.33	5.33	6.27	26.39	3.36	.05	.87	.11	0	0	0	46.73
63B-E	BIG SANTA ANITA DAM	T	2.27	3.32	3.72	15.39	2.07	.08	.71	.05	0	0	0	27.61
66	SIERRA MADRE - PEGLAR RANCH	0	2.30	2.90	3.94	14.91	1.28	0	.79	0	0	0	0	26.12
67F	MONROVIA - NEWS POST	0	2.66	2.97	4.01	14.56	2.53	.02	.59	0	0	0	0	27.34
68B	SAWPIT DAM	T	2.78	4.16	4.30	16.96	2.57	.09	.65	.07	0	0	0	31.58
70D	ROGER'S CANYON	0	3.61	3.13	5.22	13.33	2.24	0	.77	T	0	0	0	28.30
73	GLENDORA - ENGLEWILD RANCH	T	3.67	3.19	3.50	12.17	2.45	.14	.63	.11	0	0	0	25.86
76B	SAN GABRIEL DAM CAMP	T	3.65	4.39	4.41	16.78	1.71	T	1.09	.01	0	0	0	32.04
80B	PRAIRIE FORK	.31	3.76	4.27	3.68	13.21	2.67	0	.74	0	0	0	0	28.64
81B	VINCENT GAP	.34	4.71	7.34	5.24	24.69	3.44	0	1.03	0	0	0	0	46.79
82D	TABLE MOUNTAIN	.33	2.50	3.43	3.85	13.30	2.90	0	.75	.01	0	0	0	27.07
83B	BIG PINES RECREATION PARK	.32	3.88	4.39	3.79	13.62	2.74	0	.76	T	0	T	0	29.50
85G	MT. BALDY GUARD STATION	.08	5.43	5.94	5.79	15.73	3.01	0	1.20	.10	0	0	0	37.28
87B	SAN DIMAS GUARD STATION	0	3.61	3.77	4.23	10.94	2.61	.02	.75	.03	0	0	0	25.96
89B-E	SAN DIMAS DAM	0	3.46	3.31	3.65	10.03	2.16	T	.59	.03	0	0	0	23.23
90	ELDER RANCH	0	3.51	3.58	3.69	9.97	1.91	T	.77	0	0	0	0	23.43
91	INDIAN HILL - CLAREMONT	0	1.92	2.74	3.95	8.98	1.60	0	.95	.06	0	0	0	20.20
92	CLAREMONT - POMONA COLLEGE	0	1.55	2.41	3.62	8.57	1.51	0	.67	.10	0	0	0	18.43
93B	CLAREMONT - FIRE STATION	0	1.44	2.38	3.45	8.59	1.49	T	.66	.05	0	0	0	18.06
95	SAN DIMAS - FIRE WARDEN	0	2.69	2.70	3.17	10.16	1.33	.05	.68	.02	0	0	0	20.80
96B-E	PUDDINGSTONE DAM	0	2.11	2.62	3.27	9.87	1.24	.02	.37	.02	0	0	0	19.52
99B	AZUSA - FOOTHILL RANCH	0	3.53	2.66	3.16	11.58	2.40	.03	.51	0	0	0	0	23.87
101C	WEST COVINA - KELLER	0	2.75	1.71	2.00**	11.73*	1.21*	0	.55*	0	0	0	0	19.95*
102C	WALNUT - PATROL STATION	.02	1.67	2.33	3.12	11.12	.98	0	.49	T	0	0	0	19.73
104	NORTH WHITTIER - COLE RANCH	0	2.68	2.08	3.56	15.35	.93	0	.15	0	0	0	0	24.75
106D	WHITTIER CITY HALL	0	2.53	1.84	2.98	13.71	.92	0	.13	0	0	0	0	22.11
107C	DOWNEY - FIRE DEPARTMENT	0	2.09	1.28	2.49	11.01	1.51	0	.08	0	0	0	0	18.46
108C	EL MONTE FIRE STATION	T	3.70	2.18	2.82	13.93	1.29	0	.39	T	0	0	0	24.31
109D	WEST ARCADIA	0	2.27	2.35	3.42	13.04	1.19	0	1.05	0	0	0	0	23.32
110B	ALHAMBRA	0	2.63	2.11	3.15	13.48	1.67	0	.20	T	0	0	0	23.24
111	SOUTH PASADENA - CITY HALL	0	2.41	2.15	3.03	13.42	1.80	0	.20	0	0	0	0	23.01
116D	INGLEWOOD - FIRE STATION	0	2.03	1.15	2.81	13.15	1.18	T	T	.02	0	0	0	20.34
117F	COMPTON - FIRE STATION	0	1.80	1.18	2.43	11.77	1.44	0	0	.02	0	0	0	18.64
118C	WILMINGTON	0	2.46	1.38	2.59	8.40	1.57	0	0	.07	0	0	0	16.47
119D	SAWTELLE - SOLDIER'S HOME	0	2.69	1.76	3.15**	16.08	1.27	0	.06	0	0	0	0	25.01**
120	VINCENT PATROL STATION	0	.50	.84	2.03	5.20	.81	0	.21	0	0	0	0	9.59
122F	LEONIS VALLEY - RITTER RANCH	0	2.80	2.19	4.52	7.67	1.93	0	.54	0	0	0	0	19.65
124B	BOUQUET CANYON RESERVOIR	0	2.90	2.03	2.43	9.33*	2.01	0	.81	.02	0	0	0	19.53*
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	0	2.79	1.97	2.49	11.49	1.80	0	.45	0	0	0	0	20.99
126B	VENICE - FIRE STATION	0	2.30	1.44	1.92	16.95	1.77	0	0	0	0	0	0	24.38
127B-E	DRY CANYON RESERVOIR	0	2.30	1.19	2.39	9.05	1.60	T	.16	T	0	0	0	16.69
128B	ELIZABETH LAKE CANYON	0	2.88	1.98	4.95	16.50	2.25	0	.62	T	0	0	0	29.18
130B	SANDBERG - QUAIL LAKE PATROL STATION	.05	3.80	2.18	3.71	13.67	1.19	T	.47	0	0	0	T	25.07
134	SAN DIMAS - STEVENS	0	3.22	3.25	3.24	9.57	1.45	0	.85	.03	0	0	0	21.61
135	NORWALK	0	1.47	1.64	3.07	11.41	1.45	0	.03	0	0	0	0	19.07
136B	HOLLYWOOD - CITY ENGINEER	0	2.71	1.52	3.17	15.09	1.20	0	0	.01	0	0	0	23.70
139B	LOS ANGELES WATER DEPARTMENT	T	2.51	1.58	2.88	13.40	1.26	0	.02	.01	0	0	0	21.66
140C	SAWTELLE	0	3.09*	1.99*	3.67	18.90	.98	0	.07*	0	0	0	0	28.70*
143B	AZUSA - CITY PARK	0	3.43	2.51	3.13	11.60	1.89	.02	.52	T	0	0	0	23.10
144	SIERRA MADRE DAM	0	2.79	3.54	4.07	16.94	2.28	.08	.58	.09	0	0	0	30.37
155B	LITTLE ROCK CREEK	T	.75	1.02	1.42	4.30	.57	0	.12	0	0	0	0	8.18
156	LA MARADA - STANDARD OIL CO.	0	1.19	1.59	2.66	10.14	1.16	0	.16	T	0	0	0	16.90
157B	EL SEGUNDO - STANDARD OIL CO.	0	1.72	1.14	2.81	10.30	1.19	0	.05	T	0	0	0	17.21
158	TANBARK FLATS	T	3.74	4.53	4.75	13.10	2.54	.03	.80	.12	0	0	0	29.61
167B	ARCADIA PUMPING PLANT	0	2.34	2.83	4.08	14.96	1.57	0	.65	.01	0	0	0	26.44
169-E	SIERRA MADRE PUMPING PLANT	0	2.29	3.09	3.39	15.44	1.75	.04	.61	.03	0	0	0	26.64
170C	POTRERO HEIGHTS	0	2.75	1.72	2.65	12.97	1.04	0	.24	0	0	0	0	21.37
171B	CHAPMAN WELLS	0	2.55	2.64	4.08	14.05	1.58	.02	.94	0	0	0	0	25.86
172B	DUARTE	0	2.89	2.84	4.06	13.34	1.59	T	.71	T	0	0	0	25.43
174	GLENDORA - WARREN	T	3.72	3.00	3.11	9.70	1.67	0	1.16	.08	0	0	0	22.44
175B	LA CANADA IRRIGATION DISTRICT	0	3.11	2.66	4.65	13.44	1.58	.10	.39	.07	0	0	0	26.00
176	ALTADENA - RUBIO CANYON	0	2.60	2.83	3.91	13.59	2.27	.02	.38	.03	0	0	0	25.63
177F	LA CANADA - AP ROBERTS	0	2.87	2.75	4.24	14.18	1.56	0	.50	.01	0	0	0	26.11
178C	AZUSA VALLEY WATER CO.	0	3.11*	2.13*	2.42	9.87	1.55	0	.71	0	0	0	0	19.79*
179G	BAILEY DEBRIS DAM	0	2.54	3.57	4.26	15.24	2.32	.07	.60	.03	0	0	0	28.63
181B	BASSETT - CLIFFORD	T	2.68	1.80	2.66	12.83	1.25	0	.39*	T	0	0	0	21.61**
185	GLENDORA - WEST	0	3.60	2.98	3.14	10.29	2.23	.08	.71	.07	0	0	0	23.10
191B	LOS ANGELES - ALCAZAR	T	2.14	2.63	3.00	14.21	1.35	T	.02	.01	0	0	0	23.36
192C	BELL - FIRE STATION	0	2.30	1.52	2.66	13.69	1.10	0	.02	0	0	0	0	21.29
193B	COVINA NO. 2 - TEMPLE	0	2.52	2.28	2.70	10.50	.94	T	.34	T	0	0	0	19.28
196B	LA VERNE - POLICE DEPARTMENT	.02	1.78	2.35	3.56	9.17	1.18	.07	.76	.03	0	0	0	18.92
198B	BRAND DEBRIS BASIN	0	2.50	1.83	3.28	12.37	1.25	0	.20	.06	0	0	0	21.49

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1961-62

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
199C	HUNTINGTON PARK - CITY YARD	T	2.22	1.64	2.49	12.94	1.06	0	.02	.02	0	0	0	20.39
200	SAUGUS - S.C.E. CO. SUBSTATION	0	2.41	1.09	2.74	9.94	1.80	0	.07	0	0	0	0	18.05
201B	PUENTE HILLS - ALTA MIRA RANCH	T	2.25	1.82	3.38	15.00	1.15	0	.14*	0	0	0	0	23.74**
208B	ARTESIA	0	1.42	1.38	2.80	10.16	1.51	0	.17	0	0	0	0	17.44
210B	BRAND PARK	0	2.83	1.93	3.27	13.74	1.47	0	.14	.06*	0	0	0	23.44**
213D	LOS ANGELES - HANCOCK PARK	0	2.69	1.44	3.44	15.02	1.12	0	.02	T	0	0	0	23.73
215F	BELLFLOWER - MC CLURG	0	1.78	1.62	2.56	10.29	1.44	0	T	T	0	0	0	17.69
216	GLENDALE - JONES	0	2.44	2.12	3.73	11.58	1.43	0	.06	0	0	0	0	21.36
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	0	2.35	1.93	2.70	11.45	1.06	0	.12	.06	0	0	0	19.67
222C	LANKERSHIM PUMPING PLANT	0	2.71	1.79	2.28	13.11	1.17	0	.34	.06	0	0	0	21.46
223B-E	BIG DALTON DAM	0	3.73	3.76	4.16	11.56	2.63	.10	.86	.09	0	0	0	26.89
224B	LONG BEACH - ALAMITOS LAND CO.	0	1.54	1.28	2.04	9.25	1.41	0	.12	.10	0	0	0	15.74
225	MONTANA RANCH	0	1.50	1.20	2.70	11.51	1.65	0	0	0	0	0	0	18.56
226B	BURBANK FIRE STATION	0	2.50	1.96	3.03	13.21	1.22	0	.19	.02	0	0	0	22.13
227D	SAN GABRIEL - BRUINGTON	.01	2.46	2.14	3.14	13.35**	1.32	0	.29*	0	0	0	0	22.71**
228B	BEVERLY HILLS - CITY HALL	0	2.98	1.52	3.50	16.08	1.26	0	.02	0	0	0	0	25.36
230D	CLAREMONT - ELDER	0	1.88	2.11	3.48	8.88	1.09	0	.93	.07	0	0	0	18.44
235B	HENNIGER FLATS	.10	2.78	3.41	4.76	14.85	2.41	.12	.95	.18	0	0	0	29.56
237C-E	STONE CANYON RESERVOIR	0	3.48	2.39	3.67	18.96	1.38	0	.17	.01	T	0	0	30.06
238	HOLLYWOOD DAM	0	2.64	1.58	3.10	15.53	1.20	0	.01	.05	0	0	0	24.11
241B	LONG BEACH VETERAN'S MEMORIAL BUILDING	0	1.75	1.27	2.42	8.69	1.43	0	0	.19	0	0	0	15.79
246B	CULVER CITY - BUS YARD	0	2.39	1.59	3.27	13.03	1.23	0	0	0	0	0	0	21.51
250D	ACTON CAMP	0	1.27	1.15	1.87	6.18	1.43	0	.23	0	0	0	0	12.13
251	LA CRESCENTA	0	3.09	2.70	4.54	17.14	1.26	.02	.46	.04	0	0	0	29.25
254B	PUENTE - ROWLAND RANCH	T	1.85	2.35	2.95	13.82	1.38	0	.05	T	0	0	0	22.40
255C	MOUNT SAN ANTONIO COLLEGE - SPADRA	.02	1.74	2.19	3.05	11.31	.86	0	.61	.03	0	0	0	19.81
256B	POMONA - FIRE STATION	0	1.38	2.23**	2.73	7.86	.92	T	.28	T	0	0	0	15.40**
257	GRIFFITH PARK NURSERY	0	2.55	1.79	3.38	14.15	1.36	0	.04	.07	0	0	0	23.34
259C	CHATSWORTH PATROL STATION	0	3.61	1.79	3.07	16.78	1.51	.02	.07	.06	0	0	0	26.91
261B-E	ACTON - ESCONDIDO CANYON	0	1.34	.90	1.50	6.27	1.36	0	.29	0	0	0	0	11.66
263F	POMONA - RIVERA	0	1.89	2.01	2.67	9.15	1.41	0	.55	.05	0	0	0	17.73
264B	SAND CANYON - PLACERITA CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	INC.
265D	PUENTE HILLS - WEISEL RANCH	0	1.31	2.49	2.98	11.34	1.11	0	.08	0	0	0	0	19.31
266C	EAST WHITTIER	0	1.57	1.84	3.05	12.06	1.09	.03	0	0	0	0	0	19.64
269C	DIAMOND BAR-HORSE CAMP	0	1.59	2.49	3.08	9.86	1.63	0	.58	T	0	0	0	19.23
270C	COUNTY FARM - RANCHO LOS AMIGOS	0	1.92	1.01	2.14	10.97	1.37	0	T	T	0	0	0	17.41
272D	L.A. - HEADWORKS PUMPING PLANT	0	2.80	1.77	3.42	13.25	.91	0	.15	T	0	0	0	22.30
273D	SAN PEDRO HILLS - MC CARRELL	0	2.42	2.02	2.89	13.31	1.68	0	0	.20	0	0	0	22.52
274B	ACTON - HUBBARD	T	1.27	1.10	1.39	6.76	.99	0	.30	0	0	0	0	11.81
275	SAN MARINO - HUNTINGTON LIBRARY	0	2.55	2.38	3.44	12.88	1.64	0	.49	.02	0	0	0	23.40
277	SAWMILL MOUNTAIN RANCH	T	4.05	5.20	5.45	16.70	1.55	0	.65	0	0	0	0	33.60
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	2.25	1.83	3.10	13.38	1.23	0	0	0	0	0	0	21.79
280B	FLINTRIDGE FIRE STATION	0	2.60	2.52	3.82	15.25	1.50	.01	.63	.04	0	0	0	26.37
283C	CRYSTAL LAKE	.03	4.77	6.54	5.53	21.44	2.45	T	1.21	.09	0	0	0	42.06
284D	PLACERITA CANYON	0	3.38	1.95	3.95	16.41	1.57	0	0	0	0	0	0	27.26
285C	MOUNT ST. MARY'S COLLEGE	0	3.82	2.25	4.74	20.14	1.46	0	.10	0	0	0	0	32.51
287	GLENDORA - IRRIGATION CO.	T	3.75	3.11	3.17	10.57	2.63	.03	.63	.06	0	0	0	23.95
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	T	2.24	1.28	2.69	11.95	1.52	0	0	0	0	0	0	19.68
290B	MONTEREY PARK - FIRE STATION	0	2.64	1.63	2.69	13.41	.84	0	.02	0	0	0	0	21.23
291	LOS ANGELES - 96TH AND CENTRAL	0	1.93	1.54	2.43	11.00	.93	0	0	0	0	0	0	17.83
292C	ENCINO RESERVOIR	0	3.84	2.74	2.85	18.26	1.20	0	.31	0	0	0	0	29.20
293-E	VAN NORMAN LAKE - LOWER DAM	0	2.51	1.57	3.61	13.72	1.60	T	.46	.02	0	0	0	23.49
294B	SIERRA MADRE - MIRA MONTE PUMPING PLANT	0	2.60	3.54	4.18	17.03	2.14	.09	.53	.07	0	0	0	30.18
295G	GLENDALE - STAPENHORST	0	2.45	1.96	3.44	13.47	1.55	0	.05	.02	0	0	0	22.94
298B	GORMAN	0	2.47	.93	1.58	8.47	1.60	0	.44	0	0	0	0	15.49
299D	LITTLE ROCK	T	.74	.76	.83	3.73	.32	0	.03	0	0	0	0	6.41
303F	PASADENA - CAL TECH	0	2.50	2.64	3.59	13.21	1.63	T	.72	0	0	0	0	24.29
304	SAWPIT CANYON - DEER PARK	.06	4.49	4.43	4.07	20.22	3.09	.12	.95	.06	0	0	0	37.49
306D	TRANCAS BEACH	0	2.53	1.24	3.41	13.95	1.00	0	.02	0	0	0	0	22.15
311b	PASADENA METEOROLOGICAL STATION	0	2.57	2.44	3.24	13.11	1.82	T	.54	.02	0	0	0	23.74
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	0	3.59	2.67	4.36	12.27	2.02	T	.71	0	0	0	0	25.62
318B	JACKSON LAKE - BIG PINES	T	3.07	4.40	2.50	10.97	.95	.06	0	0	0	0	0	21.95
321-E	PINE CANYON PATROL STATION	0	2.93	2.43	3.51	12.26	1.42	T	.60	0	0	0	0	23.15
322	MUNZ VALLEY RANCH	0	1.95	1.33	2.65	5.96	.75	0	.30	0	0	0	0	12.94
334B-E	COGSWELL DAM	T	4.85	6.10	4.54	28.19	2.31	.01	.60	.02	0	0	0	46.62
336-E	SILVER LAKE RESERVOIR	0	2.55	1.89	3.44	12.47	1.16	0	.01	T	0	0	0	21.52
338A	MOUNT WILSON - OBSERVATORY	T	4.10	5.08	6.02	26.85	3.12	0	.69	.04	0	0	T	45.90
338B	MOUNT WILSON - AIRWAYS STATION	T	3.26	3.78	5.13	21.64	2.69	T	.65	.05	0	0	0	37.20
339	WALNUT FRUIT GROWERS ASSOCIATION	0	1.61	2.36	2.86	11.09	.85	0	.70	T	0	0	0	19.47
341	ALISO CANYON - BLUM RANCH	T	1.32	1.11	1.59	5.89	1.11	0	.18	0	0	0	0	11.20
342B	UPLAND - CADNUM	0	1.66	2.67	3.97	9.81	2.06	0	.83	0	0	0	0	21.22
347-E	BALDWIN PARK EXPERIMENTAL STATION	0	3.16	2.11	2.43	12.14	1.47	0	.44	T	0	0	0	21.75
349C	CAMP RINCON	0	4.20	5.66	4.67	18.00	1.80*	0	.90	.01	0	0	0	35.24*
351D*	PALMDALE	0	1.10	1.09	1.77	4.41	1.21	0	.05	0	0	0	0	9.63
352B	LECHUZA PATROL STATION	0	3.71	1.95	5.31	21.71	1.32	0	.17	.05	0	0	0	34.22
355	LOS ANGELES - CITY COLLEGE	0	2.44	1.71	3.19	13.22	1.12	0	0	T	0	0	0	21.68
356C	SPADRA - PACIFIC COLONY	0	1.58	2.16	2.86	9.78	.79	0	.36	.04	0	0	0	17.57
357	VAN NORMAN RESERVOIR - UPPER	0	2.46	1.60	3.84	14.67	1.68	T	.19	.02	0	0	0	24.46
362B	EL MIRADOR RANCH	0	2.56	2.25	3.54	13.93	1.51	0	.67	0	0	0	0	24.46
363C	WILSON CANYON	0	4.01	3.18	6.88	25.54	1.95	.72	0	0	0	0	0	42.28
364	HAINES CANYON - LOWER	0	2.92	2.79	4.16	16.26	1.33	T	.45	.02	0	0	0	27.93
365C	MT. LUKENS	0	3.62	3.25	3.86	15.72	1.56	0	.47	.05*	0	0	0	28.53**
367	HAINES CANYON - UPPER	0	3.15	3.84	4.56	18.37	1.42	.03	.55	.05	0	0	0	31.97
372	SAN FRANCISQUITO POWER HOUSE NO. 2	T	2.77	1.46	2.73	11.32	1.60	0	.33	.01	0	0	0	20.22
373B	BRIGGS TERRACE	.01	3.51	2.91	5.18	18.45	1.77	.14	.45	.08	0	0	0	32.50
375B	GRIFFITH PARK ZOO	0	2.53	1.76	3.50	14.87	1.56	0	0	0	0	0	0	24.22
377F	LAKE SHERWOOD ESTATES	0	3.28	1.77	3.55	14.53	1.03	0	0	0	0	0	0	24.16
379B	SAN GABRIEL - EAST FORK	0	4.26	4.89	4.14	15.94	1.71	0	.61	.01	0	0	0	31.56
386C	ZUMA CANYON - OAKLEY	0	4.39	2.74	5.37	25.48	1.63	0	.03	.03	0	0	0	39.67
387B	COVINA SEWAGE PLANT	0	3.19	2.02	2.21	10.51	1.22	0	.37	0	0	0	0	19.52
388C	PARAMOUNT - COUNTY FIRE STATION	0	1.88	1.30	2.49	10.56	1.47	0	.08	T	0	0	0	17.78
389B	GLENDORA - BROWN	T	3.38	2.88	3.47	10.85	2.60	.10	.69	.08	0	0	0	24.05
390B-E	MORRIS DAM	.03	3.75	3.90	5.17	15.25	2.35	.04	.97	.05	0	0	0	31.51
391B	MONTEBELLO - FIRE DEPARTMENT	0	2.33	1.45	2.51	13.13	1.22	0	.08	0	0	0	0	20.72
394	HIGHLAND PARK - LINDSAY	0	2.72	2.19	3.29	12.90	1.37	0	.29	.03	0	0	0	22.79
395B	OLIVE VIEW SANITARIUM	0	2.51	1.99	4.31	15.99	1.22	.45	0	T	0	0	0	26.47
402F	CEDAR SPRING	.13	6.25	6.56	5.08	19.22	2.53	0	.30	.05**	0	0	0	40.12**
405B	SOLEDAD CANYON - ECKLES	0	1.72	1.76	2.84	9.13	1.47	0	.42	0	0	0	0	17.34
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT NO. 6	0	3.11	2.13	2.43	11.12	1.90	0	.70	0	0	0	0	21.39
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	0	3.97	2.10**	4.33	17.43	1.77	0	.09	0	0	0	0	29.69**
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	0	3.38	2.20	1.11**	14.75	1.50	0	.40	0	0	0	0	23.34**
415	SIGNAL HILL - CITY HALL	0	1.44	1.22	2.27	8.30	1.76	0	.14	.04	0	0	0	15.17
419B	SANTA CLARA RIDGE - MT. GLEASON	0	3.14	3.19	4.40	15.66	1.77	0	.46	.02	0	0	0	28.64
420C	ACTON - COLOMBO RANCH	0	2.22	1.73**	2.29	9.00	1.55	0	.15	0	0	0	0	16.94
422F	PACOIMA CANYON	0	2.50	2.79	4.42	17.76	1.87	0	.58	0	0	0	T	29.92
423A	ALISO CANYON - WAGON WHEEL RANCH	0	3.19	2.41	3.43	11.73	1.51	0	.44	0	0	.08	0	22.79
425B-E	SAN GABRIEL DAM	T	3.81	4.83	5.14	17.00	2.05	.04	.85	.01	0	0	0	33.73
427B	DOWNEY - JORDAN	0	2.34	1.39	2.82	11.70	1.51	0	.01	0	0	0	0	19.77
432	SANTA ANITA - FERN LODGE	.01	3.56	4.98	5.55	23.43	2.97	.02	.56	.06	0	0	0	41.14
433C	FAIR OAKS DEBRIS BASIN	0	2.84	2.95	4.27	13.46	2.06	.12	.43	.05	0	0	0	26.18

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1961-62

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
434	MALIBU - DIVISION HEADQUARTERS	0	3.76	1.96	2.55	14.04	1.39	0	.02	.01	0	0	0	23.73
435	MONTE NIDO	0	3.94	2.36	4.42	20.13	1.79	0	0	0	0	0	0	32.64
436C	HANSEN DAM	0	1.68	2.06	3.09	12.83	1.22	0	.18	0	0	0	0	21.06
437	HAMILTON BOWL - LONG BEACH	0	1.20	1.03	1.91	6.78	1.41	0	.14	0	0	0	0	12.47
440B	CHILAO - U.S.F.S. CAMP	T	3.21	3.88	4.26	19.44	1.45	0	.37	0	0	0	0	32.61
441D-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	0	1.16	.93	.80	3.86	.86	0	.04	0	0	0	0	7.65
442B	MESCAL CREEK - FORT TEJON ROAD	.06	.66	1.33	.89	6.03	.52	0	0	0	0	0	0	9.49
443B	LATIGO CANYON - BEACH RANCH	0	4.76	2.90	5.34	25.25	1.69	0	.09	.07	.02	0	0	40.12
444C	ROLLING HILLS	0	2.44	1.80	3.72	11.35	1.37*	0	T	.16	0	0	.01	20.85**
445B	LIVE OAK DAM	0	3.00	3.00	4.02	9.77	1.68	0	.94	.03	0	0	0	22.44
446	ALISO CANYON - OAT MT.	0	3.74	2.41	3.28	19.22	2.02	T	.14	.06	0	0	T	30.87
447B	LAS FLORES PATROL STATION	0	2.84	1.90	3.11	17.31	1.59	0	.12	0	0	0	0	26.87
449B	EATON WASH DAM	T	2.45	2.70	3.63	12.89	1.94	.02	.52	.04	0	0	0	24.19
451B	CASTAIC PATROL STATION	0	2.21	1.23	2.64	9.11	1.72	0	.11	0	0	0	0	17.02
453C	DEVIL'S GATE DAM	0	2.62	2.34	4.10	12.91	1.49	T	.45	.02	0	0	0	23.93
455B	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	0	1.50	.64	1.02	4.15	.31	0	.20	0	0	0	0	7.82
456	PIUTE BUTTE	T	.67	.68	.60	4.29	.38	0	0	0	0	0	T	6.62
458	ZUMA CANYON PATROL STATION	0	2.57	1.27	3.24	16.20	1.11	0	T	0	0	0	0	24.39
460B	PLEASANT VIEW MESA - NEAL	0	.87	1.83	2.37	6.06	.93	0	0	0	0	0	0	12.06
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	0	2.15	1.91	3.34	12.16	1.06	0	.03*	0	0	0	0	20.65**
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	0	2.77	1.47	3.53	14.96	1.34	0	.04	0	0	0	0	24.11
463B	MAR VISTA - SOUTHERN CALIFORNIA WATER CO.	0	2.26	1.36	2.86	13.75	1.19**	0	0	0	0	0	0	21.42**
465C	SEPULVEDA DAM	0	2.73	2.39	2.43	14.42	1.02	0	.11	0	0	0	0	23.10
466B	PACOIMA CANYON - OUTCH LOUIE CANYON	.03	2.48	2.71	4.82	16.15	1.72	T	.54	0	0	0	0	28.45
468	PICKENS DEBRIS BASIN	0	3.22	2.47	4.60	17.19	1.52	.06	.40	.07	0	0	0	29.53
470	TUJUNGA - MILL CREEK	0	2.17	1.82	2.71	10.31	1.09	0	.28	0	0	0	0	18.38
471	LITTLE TUJUNGA - GOLD CREEK	0	2.63	2.39	3.21	11.45**	1.37	0	.65	.03	0	0	0	21.73**
474B	SOUTH GATE - FIRE DEPARTMENT	0	1.87	1.43	2.27	12.53	1.08	0	0	0	0	0	0	19.18
475	SAUGUS - NEWHALL LAND & FARMING COMPANY	0	2.68	.29	2.74*	12.84	1.92	0	.07*	0	0	0	0	20.54*
476D	TRIUNFO CANYON	0	4.13	2.12	3.36	15.63	1.32	0	.05	0	0	0	0	26.61
477C	SANTA ANITA - SPRING CAMP	.01	4.34	6.47	5.81	29.18	3.12	0	.92	.10**	0	0	0	49.95**
478	VALYERMO - U.S.F.S. HEADQUARTERS	.09	1.32	1.79	1.40	6.98	1.24	0	0	0	0	0	0	12.82
480B	TEMPLE CITY - FIRE STATION	0	2.55	2.37	3.70	12.05	1.14	0	.70	.20	0	0	0	22.71
482	LOS ANGELES - U.S.C.	T	2.17	1.38	2.93	13.55	1.10	0	0	0	0	0	0	21.13
486B	COLDWATER CANYON - WIDMAN RANCH	.09	4.07	4.90	3.83	14.09	3.02	.07	1.00	.08	0	0	0	31.15
488B	KAGEL CANYON PATROL STATION	0	1.69	2.06	3.33	10.15	1.27	.01	.62	.04	0	0	0	19.17
489	COLD CREEK - STUNT'S RANCH	0	4.49	3.33	4.20	25.58	1.80	0	.08	.01	0	0	0	39.49
490	LANCASTER - WILEY RANCH	0	.60	.68	.38	3.70	.38*	0	0	0	0	0	0	5.74**
491B	PACIFIC PALISADES	0	2.80	1.84	2.98	16.16	1.23	0	.12	.03	0	0	0	25.16
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	.01	2.98	3.71	3.53	18.55	1.22	0	.35	0	0	0	0	30.35
493C	IRON CANYON	T	2.96	2.60	4.82	15.30	1.66	0	.68	0	0	0	0	28.02
497	CLAREMONT - SLAUGHTER	.02	2.29	2.81	4.01	10.30	1.55	0	.86	.04	0	0	0	21.88
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	0	2.78	2.75	3.97	14.25	1.76	0	.46	.05*	0	0	0	26.02**
508C	ARROYO SECO - RANGER STATION	0	2.74	2.48	4.05	13.49	1.61	T	.34	.04	0	0	0	24.75
517B	ANDERSEN RANCH (LEWIS RANCH)	.02	2.63	2.78	2.37	12.99	.95	0	0	0	0	0	0	21.74
519B	ELIZABETH LAKE - STRANDBERG	T	3.37	2.52	4.97	10.38	2.28	T	.85	T	0	T	0	24.37
542-E	FAIRMONT	0	2.73	2.09	3.89	9.37	1.32	0	.57	0	0	0	0	19.97
551	HUENEME LIGHTHOUSE	0	2.51	.69	2.33	12.68	1.38	0	0	0	0	0	0	19.59
564C	LLANO	0	.50	.98**	.90	4.29	.19	0	0	0	0	0	0	6.86**
565B	LONG BEACH - CITY AUTOMATIC	0	1.55	1.09**	1.95	8.54*	1.43	0	.14	.06	0	0	0	14.76**
566	LONG BEACH NO. 1	T	1.35	1.37	2.07	8.92	1.30	0	.17	.04*	0	0	0	15.22**
571C	LONG BEACH NO. 6	0	1.25*	1.19	2.02*	8.51*	N.R.	0	0	0	0	0	0	INC.
575C	LONG BEACH WEATHER BUREAU	T	1.74	1.25	2.53	9.17	1.44	0	.14	.09	0	0	T	16.36
577F	LOS ANGELES (U.S.W.B.) - FEDERAL BUILDING	T	2.02	1.44	2.58	11.57	1.10	T	.02	T	0	0	0	18.71
587B	SAN ANTONIO CANYON - POWER HOUSE NO. 1	.05	3.99	4.17	4.70	11.93	2.43	.01	1.49	.06	0	0	0	28.83
588D	MOUNT LOWE	.12	3.43	4.20	5.87	18.31	2.97	.15	1.17	.22	0	0	0	36.44
593B	NEWHALL RANCH	0	2.94	1.44	3.29	12.96	1.84	T	.09	T	0	0	0	22.56
598B	NEENACH	T	2.36	.91	1.81	8.61	.80	0	.99	0	0	0	0	15.48
610B	PASADENA - CITY HALL	0	2.57	2.66	3.42	13.14	1.69	T	.73	.03	0	0	0	24.24
611C	ALTADENA GOLF COURSE	0	2.36	2.95	3.85	12.92	1.95	.04	.49	.06	0	0	0	24.62
612	PASADENA - CHLORINE PLANT	0	2.62	2.35	4.02	13.08	1.66	T	.38	.06	0	0	0	24.17
613B	PASADENA - HURLBUT FIRE STATION	0	2.43	2.34	3.27	12.94	1.61	0	.60	T	0	0	0	23.19
617B	POMONA - ADAMSON	T	1.50	2.22	2.78	9.20	1.10	T	.34	.02	0	0	0	17.16
618B	TAPO CITRUS ASSOCIATION	0	3.00	1.52	2.53	11.55	1.33	0	0	0	0	0	0	19.93
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	.01	5.24	5.07	5.11	14.94	2.75	.01	1.26	.08	0	0	0	34.47
627	SAN GABRIEL CANYON POWER HOUSE	0	3.72	2.99	4.98	12.78	2.23	.08	.84	.08	0	0	0	27.70
629C	SAN PEDRO U.S.W.B.	0	2.13	1.36	2.07	8.47	1.42	0	.20	T	0	0	0	15.65
634C	SANTA MONICA	0	2.44	1.49	2.78	15.08	1.17	0	T	0	0	0	0	22.96
644	SOMIS - SNYDER RANCH	0	2.79	.87	3.12	11.87	1.32	0	0	.05	0	0	0	20.02
660B	OXNARD	0	2.43	.73	2.52	15.58	1.03	0	0	T	0	0	0	22.29
662B	LONG BEACH - KEEVER AVENUE	0	.89	1.50	2.19	8.68	1.65	0	0	0	0	0	0	14.91
666C	LONG BEACH - NEECE STREET	0	2.17	1.39	2.39	10.33	1.40	0	0	0	0	0	0	17.68
672	EAGLE ROCK S.C.E. CO. SUBSTATION	0	2.67	2.25	3.22	14.46	1.62	0	.20	.05	0	0	0	24.47
673C	SEAL BEACH - POWER PLANT	0	1.18	1.32	1.76	8.69	1.38	0	.10	.04	0	0	0	14.47
676	LOS ANGELES - WEST 80TH STREET	.02	2.08	1.65	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
678	PASADENA - SHELDON RESERVOIR	0	2.60	2.31	3.84	12.27	1.59	T	.58	.04	0	0	0	23.23
679	PUENTE - NO. WHITTIER HEIGHTS	0	2.34	2.05	2.90	14.82	1.06	0	.23	.01	0	0	0	23.41
680B	WESTWOOD - U.C.L.A.	T	2.61	1.83	3.32	15.66	1.29	0	.05	T	T	0	0	24.76
681A'	SIERRA MADRE RANGER STATION	0	3.63	3.11	3.64	12.25	1.76	.03	.65	0	0	0	0	25.07
683	SUNSET RIDGE GUARD STATION	0	2.37	2.14	3.34	11.21	1.83	.15*	.40	T	0	0	0	21.44**
691B	SAN ANTONIO SPREADING GROUNDS	.02	2.65	3.29	4.63	9.87	1.85	.04	1.18	.03	0	0	0	23.56
695B	TUJUNGA CANYON - VOGEL FLAT	0	3.78	3.27	4.25	17.80	1.88	0	.50	0	0	0	0	31.48
703	GLENDALE - MC INTYRE	0	2.22	1.88	3.38	12.84	1.44	0	.07	.03	0	0	0	21.86
705	ALDER CREEK - PARADISE RANCH	0	1.99	1.80	3.29	12.32	1.30	0	.54	.01	0	0	0	21.25
716	LOS ANGELES - DUCOMMUN STREET	T	2.20	1.73	2.92	13.39	1.20	0	.02	T	0	0	0	21.46
718B	THOUSAND OAKS	0	2.90	1.36	2.47	12.47	1.17	0	T	0	0	0	0	20.37
720	SIMI VALLEY - FORSON RANCH	0	3.77	1.50	2.86*	15.19*	1.13*	0	0	0	0	0	0	24.45*
722C	BELLEVIEW - STRATMAN	0	2.11	1.23	2.50*	4.86	1.04	0	.26	0	0	0	0	12.00*
724B	BIG DALTON - MONROE CANYON	T	1.24	3.87	4.28	12.11	2.62	.06	.89	.13	0	0	0	25.20
725	BIRMINGHAM HOSPITAL	0	2.50	1.82	2.11	13.92	.88	0	.06	0	0	0	0	21.29
726B	ANGELES CREST - GUARD STATION	0	3.17	3.20	4.32	14.64	1.83	0	.35	.05*	0	0	0	27.56**
727	NEWCOMB PASS	.08	5.89	6.80	4.93	21.98	2.76	0	.77	.15	0	0	0	43.36
728	PACOIMA CANYON - CITY ROAD GAGE	0	3.10	2.91	4.73	22.26	1.99	0	1.00	0	0	0	0	35.99
730	MILLARD CANYON - DAWN MINE	0	2.56	1.96	2.10**	12.46	2.30	0	.62	.05*	0	0	0	22.05**
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	0	2.48	2.32	3.99	13.07	1.24	0	.30	.05*	0	0	0	23.45**
732B	ROBERT'S CANYON - SAN GABRIEL-WEST FORK DIVIDE	0	4.52	6.19	4.79	23.20	2.09	.03	1.23	.25	0	0	0	42.30
734B	L.A. INTERNATIONAL AIRPORT	T	1.88	1.07	2.68	11.07	1.11	0	.06	T	T	0	T	17.87
735C	BELL CANYON - DRY GULCH RANCH	0	3.19	1.46	2.20	12.77	.71	0	0	0	0	0	0	20.33
737	UPPER SESPE - WHEELER SPRINGS, 7N	T	5.31	3.55	2.47	22.03	2.24	0	0	0	0	0	0	35.60
739	SANTA PAULA - LIMONEIRA RANCH	0	4.45	.85	2.83	17.17	1.26	0	T	T	0	0	0	26.56
740B	SAN DIMAS CANYON - FERN NO. 2	T	5.03	5.71	5.43	15.16*	2.79	.01	1.22	.14	0	0	0	35.49**
741	SAN DIMAS CANYON - UPPER E. FORK	T	3.85	4.39	4.54	12.78	1.98	.08	1.07	.10	0	0	0	28.79
742C	SAN GABRIEL - FIRE DEPARTMENT	T	2.49	1.96	3.26	13.05	1.27	0	.44	T	0	0	0	22.47
746	MOJAVE - BACKUS RANCH	0	.92	.79	.95	3.35	.40	0	T	0	0	0	0	6.41
747	SANDBERG - AIRWAYS STATION	.01	2.80	1.73	2.07	10.67	.82	0	.42	0	0	0	0	18.52
749	BURBANK - U.S.W.B.	T	2.70	1.70	2.55	13.30	1.24	T	.38	.03	T	T	0	21.90
750	PALMDALE - F.A.A. STATION	T	1.00	.62	1.23	3.75	.42	0	.03	0	0	0	0	7.05
755	GRIFFITH PARK - LITTLE CANYON	0	2.40	1.60	3.13	14.47**	1.33	0	.01*	0	0	0	0	22.94**
756	GRIFFITH PARK - UPPER SPRING CANYON	0	2.81	1.75	3.52	15.85*	1.20	0	.08	0	0	0	0	25.21**

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1961-62

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
757	GRIFFITH PARK - FERN DELL	0	2.40	1.52	3.04	14.10**	1.20	0	.03*	0	0	0	0	22.29**
758	GRIFFITH PARK - LOWER SPRING CANYON	0	2.62	1.66	3.60	16.16	1.37	0	.15	0	0	0	0	25.56
759B	NICHOLS DEBRIS BASIN	0	3.08	1.52	2.81	14.54	1.23	0	.08*	.05	0	0	0	23.31
760	STUDIO CITY - GOODLAND AVENUE	0	3.17	2.30*	2.80	16.75**	1.06	0	.28	0	0	0	0	26.36**
762	UPPER STONE CANYON	0	2.88	2.10	3.44	16.77**	1.10	0	.15	0	0	0	0	26.44**
763B	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	0	3.28	2.10*	3.30	16.31	1.50	0	.21	0	0	0	0	26.70**
764	STONE CANYON - RIAL LANE	0	3.26	2.04*	3.22	17.40	1.43	0	.13	0	0	0	0	27.48**
765B	15801 MULHOLLAND DRIVE	0	3.70*	2.32**	3.29	23.41	1.54	0	.21	0	0	0	0	34.47**
766	MANDEVILLE FIRE ROAD NO 24	0	3.83	2.60	3.00	19.80	1.02	0	.15	0	0	0	0	30.40
767	3351 MANDEVILLE CANYON ROAD	0	3.80	2.49	4.48	21.66	1.49	0	.48	0	0	0	0	34.40
768	SULLIVAN CANYON - FIRE ROAD NO. 26	0	3.42	.15*	2.78	16.65	1.25	0	.34	0	0	0	0	24.59**
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	0	3.38	2.20	2.41	18.40	1.08	0	.20	0	0	0	0	27.67
770B	SANTA YNEZ CANYON - PASEO MIRAMAR	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	0	.13	.02*	0	0	0	INC.
771	RUSTIC CANYON - SANTA MONICA	0	2.80	1.60	2.70	14.75**	1.00	0	.10*	.03*	0	0	0	22.98**
772	LOS ANGELES - ECHO PARK AND LUCRETIA	0	2.37	1.55	2.90	13.77**	.95	0	.01*	0	0	0	0	21.55**
774	BARLOW SANITARIUM	0	2.25	1.35**	2.37	11.46**	.92	0	.02*	0	0	0	0	18.37**
777	KENTER CANYON - 259 N. KENTER	0	2.72	1.94	3.27	16.23	1.38	0	.09	0	0	0	0	25.63
778B	SEPULVEDA CANYON - BELLAGIO ROAD	0	3.33	2.31	3.69	18.15	1.53	0	.10	0	0	0	0	29.11
779	GRIFFITH PARK - LOWER MINERAL WELLS	0	2.78	1.74	3.51	16.21	1.40	0	.20	0	0	0	0	25.84
783	COON CANYON	0	2.44	2.29	3.87	12.28	1.63	0	.30	.05*	0	0	0	22.86**
784	COON CANYON	0	2.43	2.18	3.67	12.30	1.58	0	.30	.05*	0	0	0	22.51**
785	COON CANYON	0	2.56	2.52	3.80	12.92	1.55	0	.38	.05*	0	0	0	23.78**
786	COON CANYON	0	2.04	2.14	2.94	10.00	1.58	0	.26	.05*	0	0	0	19.01**
787	COON CANYON	0	2.61	2.44	3.71	12.97	1.70	0	.35	.05*	0	0	0	23.83**
788	COON CANYON	0	2.58	2.28	3.61	12.10	1.63	0	.44	.05*	0	0	0	22.69**
789	EL PRIETO CANYON	0	2.73	2.44	3.84	12.88	1.90	0	.44	.05*	0	0	0	24.28**
790	FILLMORE CITRUS ASSOCIATION	0	4.23	1.61	2.91	16.65	2.51	0	.15	0	0	0	0	28.06
791	SATICOY - BUENA VENTURA LEMON ASSOCIATION	0	3.09	.85	2.62	16.41	.60	0	0	0	0	0	0	23.57
792	SANTA PAULA - COUNTY AGRICULTURAL OFFICE	0	3.61	1.11	2.56	17.00	1.43	0	0	0	0	0	0	25.71
793	MARKHAM SADDLE	0	2.99	4.36	3.18	16.60	2.23	0	.75	.05*	0	0	0	30.16**
794-E	LOWER FRANKLIN RESERVOIR	0	3.00	1.87	2.97	16.33	1.56	0	.07	.03	0	0	0	25.83
795	PASADENA - JOURDAN	0	2.23	2.34	3.61	12.97	1.64	T	.84	.01	0	0	0	23.64
796	ELYSIAN PARK - FIRE DEPARTMENT	0	1.79	1.25	2.28	10.15**	.75	0	.01*	0	0	0	0	16.23**
797	DE SOTO RESERVOIR	0	3.07	1.50	2.90	15.81	1.39	0	.33	.04	0	0	0	25.04
799	BALDWIN HILLS RESERVOIR	0	2.17	1.73	2.85	12.86	1.19	0	.03*	0	0	0	0	20.83**
801	MAGIC MOUNTAIN	0	3.03	2.94	2.81	15.55	1.71	0	.67	.06	0	0	0	26.77
802B-E	EAGLE ROCK RESERVOIR	0	2.15	1.97	3.02	12.28	1.52	0	.15	.05	0	0	0	21.14
807	ASCOT RESERVOIR	0	2.32	2.26	3.24	14.12	1.36	0	T	.02	0	0	0	23.32
1000	HUNT CANYON - BONES RANCH	0	.79	.94	1.42	4.26	.59	0	.17	0	0	0	0	8.17
1001B	SAN GABRIEL WEST FORK GUARD STATION	N.I.	N.I.	N.I.	8.07	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	0	0	INC.
1005	MINT CANYON - THE OAKS	0	1.58	1.25	1.85	7.47	1.61	0	.62	0	0	0	0	14.38
1006	SAN PEDRO - CITY RESERVOIR	T	2.22	1.47	2.03	8.19	1.54	0	.17	.05	0	0	0	15.67
1007C	CAMP VALCREST	.01	3.28	3.77	4.00	17.08	1.88	0	.41	0	0	0	0	30.43
1008-E	LA FRESA - S.C.E. CO.	0	1.98	1.53	2.47	9.93	1.37	0	0	.11	0	0	0	17.39
1009	MINT CANYON - DYER	T	2.04	1.37	2.18	7.81	1.49	0	.29	0	0	0	0	15.18
1010B	PALMER CANYON - FORKS	0	3.52	3.75	4.58	11.11	2.46	0	1.19	.10	0	0	0	26.71
1011B	PALOS VERDES FIRE STATION	0	1.66	1.65	2.85	10.24	1.45	0	.08	.30*	0	0	0	18.21**
1012	CASTAIC JUNCTION	0	2.50	1.30	2.81	10.99	1.78	T	.03	0	0	0	0	19.41
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	0	2.83	2.33	3.57	13.33	1.20	0	.34	0	0	0	0	23.60
1014D-E	RIO HONDO SPREADING GROUNDS	0	2.42	1.42	2.66	11.96	1.52	0	.02	0	0	0	0	20.00
1016	PALO COMADO CANYON - AGOURA	0	3.29	1.66	2.22	13.11	1.17	0	.03	0	0	0	0	21.48
1017B	LITTLE ROCK CREEK ABOVE DAM	T	.84	1.24	1.78	4.93	.69	0	.18	0	0	0	0	9.66
1018B	SANTA SUSANA MTS. - DEVIL CANYON	0	4.04	2.67	2.18	23.51	2.11	0	.08	0	0	0	0	34.59
1019	SANTA SUSANA MTS. - SALT CANYON	0	3.69	2.44	1.99	21.44	1.93	0	.07	0	0	0	0	31.56
1020	PADUA HILLS PATROL STATION	.01	2.58	3.34	4.79	10.22	2.01	.03	1.10	.07	0	0	0	24.15
1021C	YERBA BUENA WATER TANK	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1022	HASLEY CANYON - WESTERN GULF OIL	0	2.70	1.55	2.73	10.04	2.17	0	0	0	0	0	0	19.19
1023B	GARRAPATA CANYON - SPEER	0	3.45	2.78	2.63	16.40	1.31	0	.12	T	0	0	0	26.69
1025	MALIBU BEACH - DUNNE	0	2.96	1.44	3.11	16.07	1.32	0	.03	0	0	0	0	24.93
1028C	CORRAL CANYON - CRUMP	0	4.03	2.27	5.66	22.59	2.05	0	.02	0	0	0	0	36.62
1029	TUJUNGA - MILL CREEK SUMMIT	T	2.68	2.55	2.56	12.24	1.20	0	.33	0	0	0	0	21.56
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.03	6.04	6.54	7.01	27.12	3.11	0	1.29	.26	0	0	0	51.40
1031B	MT. WATERMAN	.11	4.10	5.45	3.25	18.78	2.11	0	.23	.03	0	0	0	34.06
1035	WHITTIER - WOOD	0	2.13	1.59	3.13	12.40	1.02	0	.04	0	0	0	0	20.31
1037-E	ARCADIA - ARBORETUM	0	2.31	2.75	3.99	14.47	1.56	.02	.78	.01	0	0	0	25.89
1038	MT. PACIFICO	.02	1.05	1.64	1.47	8.00	.88	0	.10	0	0	0	0	13.16
1039B	LOS ANGELES - MAC QUEEN	0	2.31	2.00	3.42	14.71	1.17	0	0	0	0	0	0	23.61
1040	POTRERO CANYON - SUNRAY OIL	0	2.84	1.37	2.16	11.13	1.71	0	T	0	0	0	0	19.21
1041B	SANTA FE DAM	0	2.97	2.31	3.20	12.29	1.18	0	.69	0	0	0	0	22.64
1042	EASTFIELD GATE - ROLLING HILLS	0	3.06	2.09	3.37	13.96	1.65	0	0	.41	0	0	0	24.54
1043	EAST CREST GATE - ROLLING HILLS	0	2.61	1.92	3.13	13.65	1.87	0	0	.24	0	0	0	23.42
1044	PORTUGUESE BEND	0	1.61	1.10	2.11	7.38	.89	0	0	.10	0	0	0	13.19
1045B	WEST GATE - ROLLING HILLS	0	1.44	.94	.60	7.59	.72	0	0	.12	0	0	0	11.41
1046B	BIG SANTA ANITA - CHANTRY FLAT	T	3.13	4.41	4.97	19.24	2.58	.07	.91	.10	0	0	0	35.41
1048B	LA CRESCENTA - COUNTY ROAD DEPARTMENT	0	3.08	2.69	4.41	16.28	1.36	T	.40	.01	0	0	0	28.23
1050	OLD TOPANGA CANYON - GRAY	0	4.45	3.15	3.28	23.49	1.16	0	.02	0	0	0	0	35.55
1051B	CANOGA PARK - PIERCE COLLEGE	0	3.14	1.62	2.15	12.26	.86	T	.15	0	0	0	0	20.18
1052	CAMP JOSEPHO	0	3.85	2.50	4.92	21.34	1.53	0	.16	.10	0	0	0	34.40
1053	TUJUNGA CANYON - SOLOMON	0	2.55	1.98	3.70	13.46	.89	0	.31	0	0	0	0	22.89
1054	VETERAN'S HOSPITAL - SAN FERNANDO	0	2.15	3.27	3.32	13.33	1.13	.21	.38	.02	0	0	0	23.81
1055B	MT. BALDY NOTCH	T	4.05	4.30	4.41	13.96	3.44	0	.67	T	0	0	0	30.83
1056	LANCASTER - MC CARGAR	0	1.18	.49	.57	3.14	.38	0	0	0	0	.25	0	6.01
1057B	WHITTIER NARROWS - ABOVE DAM	T	2.21	1.48	2.60	12.73	1.46	T	.08	0	0	0	0	20.56
1058	PALMDALE 2 N. E.	0	.88	.70	1.02	3.46	.46	0	.02	0	0	0	0	6.54
1059B	SOUTH HAWKINS	.03	4.42	6.06	5.12	19.86	2.27	0	1.12	.08	0	0	0	38.96
1060	LITTLE ROCK - SYCAMORE CAMP	.02	1.31	2.05	1.83	9.98	1.10	0	.13	0	0	0	0	16.42
1062	BUCKHORN FLAT	.12	4.73	6.27	3.73	21.60	2.42	0	.51	.07	0	0	0	39.45
1063	SOLEDAD PASS	T	1.13	1.12	1.98	5.41	.95	0	.20	0	0	0	0	10.79
1064	SAN GABRIEL EAST FORK - DOT MINE	0	3.63	4.65	4.34	13.87	2.15	0	.53	0	0	0	0	29.17
1066B	LONG BEACH - LEES STREET	.35	1.35*	1.25	1.40	7.50	1.26	0	0	0	0	0	0	13.11*
1067	SANTIAGO CANYON	0	4.52	3.91	2.40	9.68	1.04	0	.20	0	0	0	0	21.75
1068	RATTLESNAKE CANYON - CAMP NO. 3	T	3.68	2.20	5.33	20.74	1.60	0	.15	0	0	0	0	33.70
1069	SAN GABRIEL - EAST FORK TUNNEL	0	3.46	4.43	4.13	13.22	2.05	0	.51	0	0	0	0	27.80
1070	MANHATTAN BEACH	0	1.62	1.25	2.63	9.63	1.27	0	.02	0	0	0	0	16.42
1071B-E	DESCANSO GARDENS	0	2.88	2.73	4.11	14.32	1.53	.03	.55	.04	0	0	0	26.19
1072	LITTLE TUJUNGA RANGER STATION	0	1.66	1.68	3.26	11.44	1.08	0	.28	.02	0	0	0	19.42
1073B	PALMDALE - CIRCLE C	.01	.71	.78	1.37	3.90	.53	0	.11	0	0	0	0	7.41
1074	LITTLE GLEASON	T	4.30	2.70	2.05	15.01	1.62	0	.81	.01	0	.06	0	26.56
1075	UPPER WOLFSKILL CANYON	T	5.03	4.76	4.43	13.27	2.84	.14	1.17	.24	0	0	0	31.88
1076	HIDDEN SPRINGS	T	2.69	3.28	4.72	11.75	2.29	0	.48	0	0	0	0	25.21
1077B	MONROVIA - 5 POINTS	0	2.73	3.54	3.96	16.24	2.22	.08	.47	0	0	0	0	29.24
1078	COVINA - GRIFFITH	0	1.67	2.18	2.81	10.06	.80	0	.36	0	0	0	0	17.88
1079	RUBIO DEBRIS BASIN	0	2.31	3.14	3.99	12.94	2.06	.15	.52	.10	0	0	0	25.21
1080B	BRADBURY DEBRIS BASIN	0	3.07	3.35	4.15	14.56	1.92	.06	.67	.07	0	0	0	27.85
1081	DEER DEBRIS BASIN	0	2.80	1.60	3.94	INC.	1.46	0	.54*	.04	0	0	0	INC.**
1082	DUNSMUIR DEBRIS BASIN	0	3.70	3.18	4.84	19.86	1.44	.09	.42	.08	0	0	0	33.61
1083	MADDOCK DEBRIS BASIN	0	2.80	3.41	4.36	13.65	2.02	.09	.67	.10	0	0	0	27.10
1084	MAY DEBRIS BASIN	0	2.61	2.01	4.01	12.38	1.57	.07	.33	.09	0	0	0	23.07
1085	MC CLURE DEBRIS BASIN	0	2.27	1.42	2.89	9.93	1.05	0	.39	.06	0	0	0	18.01
1086	TURNBULL DEBRIS BASIN	0	2.14	1.70	3.28	13.90	.77	0	.14	0	0	0	0	21.93

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1961-62

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1087-E	GREEN VERDUGO PUMP PLANT	0	2.24	1.69	3.25	12.19	1.13	0	.43	T	0	0	0	20.93
1088B	LA HABRA HEIGHTS WATER CO.	0	1.75	2.06	3.10	12.46	1.41	T	0	0	0	0	0	20.78
1089D	TOPANGA CANYON OUTLET	0	3.34	1.71	3.12	18.89	1.46	0	.10	.02	0	0	0	28.64
1090	LOS ALAMITOS	.0	1.30	1.31	2.34	8.57	1.46	0	.10	0	0	0	0	15.08
1091	CYPRESS	.56	1.20	1.63	2.50	9.43	.52	0	.06	0	0	0	0	15.90
1092	BUENA PARK	0	.97	1.93	2.15	7.97	.96	0	.18	0	0	0	0	14.16
1093-E	FULLERTON AIRPORT	0	1.05	1.94	2.42	10.29	.86	0	.23	0	0	0	0	16.79
1094	BREA	0	2.49	.78	2.83	9.91	1.33	0	.17	0	0	0	0	17.51
1095	ORANGE COUNTY RESERVOIR	0	1.21	2.17	2.43	8.83	1.03	0	.18	T	0	0	0	15.85
1096	LA VIDA SPRINGS	0	1.25	2.24	3.34	8.96	1.30	0	0	0	0	0	0	17.09
1098	BREA CANYON	0	1.60	2.72	3.32	10.45	1.40	0	0	0	0	0	0	19.49
1099	WHITTIER-CATE	0	2.43	1.51	2.93	13.20	1.26	.08	T	0	0	0	0	21.41
1102B	BOBCAT CANYON - SAN GABRIEL WEST FORK	0	4.21	3.98	4.07	19.12	2.31	0	.62	.12	0	0	0	34.43
1104	BOUQUET CANYON - TEXAS CANYON	0	2.32	1.68**	2.61	8.32	2.08	0	.28	0	0	0	0	17.29**
1105B	FAIRMONT	0	2.38	1.54	1.66	8.90	1.07	0	.50*	0	0	0	0	16.05**
1106	ANTELOPE VALLEY FIELD STATION	T	2.03	1.30	2.23	4.72	.94	0	.27	0	0	0	0	11.49
1107D	LA TUNA CANYON	0	2.53	1.81	4.00	11.55	1.08	0	.21	.01*	0	0	0	21.19**
1108	ANAVERDE - PLATT	0	1.41	1.32	2.55	5.37	.68	0	.07	0	0	0	0	11.40
1109	MT. BALDY	0	6.39	6.78	6.95	22.02	5.43	0	1.06	0	0	0	0	48.63
1110	SCHOLL DEBRIS BASIN	0	2.08	1.96	3.14	12.29	1.44	0	.07	.07	0	0	0	21.05
1112	BEAR CANYON - SAN GABRIEL WEST FORK	0	4.46*	5.54*	4.18*	17.57	1.47	0	.82	.11	0	0	0	34.15*
1113	DOMINGUEZ WATER CO.	0	2.52	1.31	2.34**	7.46**	1.99**	0	.14*	.04*	0	0	0	15.80**
1114B	WHITTIER NARROWS DAM	0	2.39	1.47	2.36	12.48	1.12	0	.02	0	0	0	0	19.84
1115	SAN ANTONIO DAM	0	2.80	3.39	5.38	10.70	1.79	0	1.25	0	0	0	0	25.31
1116	LONG BEACH - SAN ANSELINE	0	1.39	1.39	2.36	9.02	.77	0	.13	0	0	0	0	15.06
1117	PINE CANYON GUARD STATION	0	3.75	2.45	3.69	14.12	1.68	T	.61	0	0	0	0	26.30
1118	LAKEWOOD	0	1.52	1.45	2.39	9.17	1.44	0	.04	0	0	0	0	16.01
1119	ATMORE MEADOW	0	3.80	4.89	5.12	15.69	1.46	0	.77	0	0	0	0	31.73
1120	DAWSON SADDLE	.03	3.92	5.38	4.55	17.64	2.02	0	.26	0	0	0	0	33.80
1121	BARLEY FLAT	0	3.60	3.68	2.54	22.42*	1.88*	0	.50	.03	0	0	0	34.65*
1122	COOKS DEBRIS BASIN	0	3.28	2.88	4.28	16.76*	1.30	.04	.54	.03	0	0	0	29.01*
1123	CIMA MESA - FARVUE RANCH	.05	.88	1.77	1.83	7.78	1.09	0	.06	0	0	0	0	13.46
1124B	RED BOX GAP	.01	4.01	3.38	2.35	15.07	2.37	0	.97	.06	0	0	0	28.22
1125	LA PUENTE	0	1.55	2.03	2.90	12.56	1.12	0	.41	0	0	0	0	20.57
1126	L.A.W.D. - EAST VALLEY	0	2.33	1.86	2.33	13.11	.97	0	.35	.03	0	0	0	20.98
1127	WEST BURBANK	0	2.81	1.86	2.67	15.24	1.43	0	.31	.03	0	0	0	24.35
1128	WRIGHTWOOD FIRE STATION	.44	3.81	2.65	3.29	11.51	2.29	0	.24	0	.01	T	T	24.24
1129	NICHOLAS CANYON	0	2.02	1.20	4.16	14.32	.85	0	0	.03	0	0	0	22.58
1130	PUZZLE SPRINGS RANCH	.10	1.45	1.91	1.92	5.87	.93	0	T	0	0	0	0	12.18
1131B	CHARTER OAK - JACKSON	T	3.70	2.52	2.46	9.70	1.53	T	.65	T	0	0	0	20.56
1132	OAK FLAT GUARD STATION	0	4.15	2.29	3.86	20.75	1.91	0	.58	0	0	0	T	33.54
1133	FISH CANYON	0	5.02	6.86	5.31	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1135B	LUNADA BAY	T	1.40	1.23	2.02	7.92	1.02	0	.04	.01	0	0	T	13.64
1136	DUARTE FIRE STATION	0	2.93	2.16	4.38	12.68	2.14	.05	.73	.32	0	0	0	25.39
1137B	STOUGH PARK	0	2.39	1.75	3.12	13.37	1.33	0	.28	.04	0	0	0	22.28
1138	MT. DISAPPOINTMENT	.01	3.75	4.23	2.91	23.71	1.96	0	.83	.05	0	0	0	37.45
1139	PALOS VERDES HILLS - HIGHRIDGE	0	2.29	1.77	2.85*	9.76	1.19	0	0	.19	0	0	0	18.05*
1140	ROSEMEAD	0	2.95	2.07	2.81	12.98	1.19	0	.45	T	0	0	0	22.45
1141	BEE CANYON	0	1.98	1.32	1.59	7.90	1.20	0	.25	0	0	0	0	14.24
1142	SOLEDAD CANYON - BERMITE POWDER CO.	0	2.97	1.75	2.56	11.74	0	0	0	0	0	0	0	19.02
1143	LITTLE TUJUNGA ABOVE GOLD CREEK	0	1.59	1.81*	2.37**	12.37**	1.19	0	.41*	.01*	0	0	0	19.75*
1144	SAN GABRIEL - NORTH FORK	0	4.30	5.30	3.90	17.94	1.82	0	1.02	0	0	0	0	34.28
1145	UPLAND	0	1.99	3.04	4.09	9.49	1.98	0	.67	.06	0	0	0	21.32
1146	SANTA ANITA CANYON - HELIPORT	.02	3.68	5.07	5.39*	22.88	2.66	.04	.63	.04	0	0	0	40.41**
1147	EL CABALLERO COUNTRY CLUB	0	3.50	2.35	2.80	INC.	1.20	0	.20	0	0	0	0	INC.
1148	SAN JOSE HILLS - GALSTER RANCH	0	1.98	2.04	2.86	11.35	.81	0	.64	0	0	0	0	19.68
1149	SUNLAND	0	2.36	1.94	4.02	14.63	.86	0	.25	T	0	0	0	24.06
1150	LOPEZ CANYON GUARD STATION	0	2.01	N.R.	3.40	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1151	BRIGDEN RESERVOIR NO. 1	0	2.53	2.96	3.77	13.52	1.74	.02	.50	.05	0	0	0	25.09
1152	CLEAR CREEK R.S.	.03	3.66	3.57	5.23	19.43	2.10	0	.87	.06	0	0	0	34.95
1153	KRATKA SKI LIFT	12	4.81	6.37	3.73**	21.55	2.45	0	.69	.07	0	0	0	39.79**
1154	PALM ROCK RANCH	0	.47	.67	.46	3.20	.15	0	0	0	0	0	0	4.95
1155	LAWNDALE	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	T	T	0	0	0	INC.
1158	TORRANCE MUNICIPAL AIRPORT	0	1.59	1.64	2.03*	9.81	1.46	0	T	.05	0	0	T	16.58**
X12C	WILSONA	0	.24	.75	.17	3.00	.20	0	0	0	0	0	.05	4.41
X15	HI VISTA - CARD	T	.35	.70	.20	2.72	.30	0	0	0	0	0	T	4.27
X19	COOKS CANYON	0	3.19	3.24	3.38	13.90	1.26	0	.55*	.05*	0	0	0	25.57**
X21B	DUNSMORE CANYON - UPPER	0	3.10*	2.89*	3.19	16.94	1.40	0	.37	.05*	0	0	0	27.94**
X22	ISLIP SADDLE	.12	5.21	4.73	5.12	19.55	3.62	0	1.12	.07	0	0	0	39.54
X23	DORR CANYON	.33	4.70	5.21	4.63	19.09	2.65	0	.56	0	0	0	0	37.17
X24	GRASSY HOLLOW	.31	2.69	3.17	2.47	INC.	INC.	0	INC.	0	0	0	0	INC.
X25	BEAR GULCH	.46	3.62	4.39	3.91	13.74	2.70	0	1.19	0	0	0	0	30.01
X26	BLUE RIDGE	.40	2.59	2.80	3.02	11.26*	3.27*	0	.82	0	0	0	0	24.16*
X27	GUFFYS CAMP	.29	3.67	4.60	4.93	13.87*	3.12	0	.76	0	0	0	0	31.24*
X28B	HOLIDAY HILL	.23	2.86	3.24**	3.69	11.11*	3.27*	0	.72	0	0	0	0	25.12**
X29	PINE MT.	T	5.10	6.98	5.40	26.17	2.28*	.03	1.34	.15	0	0	0	47.45**
X30	ANGELES CREST GRIZZLY	0	3.55	3.16	4.25	16.79	1.93	0	.46	.05*	0	0	0	30.19**
X31	LUKENS DISPOSAL AREA	0	3.78	3.42	3.64	19.10	1.91	0	.45	.05*	0	0	0	32.35**
X32	HAY DEBRIS BASIN	0	3.06	3.62	4.45	14.73	1.63	.14	.38	.09	0	0	0	28.10
X33	EAGLE DEBRIS BASIN	.03	3.27*	.32	4.19	13.68	1.42	.04	.44	.02	0	0	0	23.41*

LEGEND

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

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

TABLE VI

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1962-63

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	.48	.02	.06	.90	4.81	2.90	2.29	.97	1.02	0	.20	.86	14.51
3B	SEMINOLE HOT SPRINGS	.18	.04	.10	.79	6.90**	4.62	2.34	.45	.81	0	.11	.60	16.94**
4B	MALIBU LAKESIDE	.18*	.04*	.10*	.82	5.68	4.92**	2.45	.58	.76	0	.56	1.37	17.46**
5B	CALABASAS	.14	.02	.02	.62	5.24	4.01	1.79	.02	.31	0	.13	1.39	13.69
6	TOPANGA PATROL STATION	.34	.02	.04	.91	6.43	3.80	2.67	.16	.29	0	.27	1.42	16.35
9B	LINDOMAR NURSERY - SEPULVEDA & RAYEN	.11*	0	0	.15	4.91	3.08**	1.64**	0	0	0	0	.63*	10.52**
10	BEL AIR HOTEL	.24	0	0	1.11	4.48	3.62	2.11	0	.17	0	.07	.95	12.75
11C	UPPER FRANKLIN CANYON RESERVOIR	.17	.01	.04	.64	4.60	3.59	1.75	T	.13	0	.01	.83	11.77
12	FRANKLIN CANYON - MULHOLLAND HIGHWAY	.02	0	0	.58	4.63	3.62	1.69*	.03	.16	0	0	.81*	11.54**
13B	NORTH HOLLYWOOD - BLIX	.06	0	0	0	4.84	3.53	1.85	0	.10	0	0	.78	11.16
14B	ROSCOE-MERRILL	.05	0	0	.01	4.65	2.50	1.91	T	.57	0	T	.88	10.57
15B	VAN NUYS	.06	0	0	0	4.38	2.85	1.51	0	.05	0	T	.60	9.45
17	SEPULVEDA CANYON & MULHOLLAND HIGHWAY	.20	T	0	.73	5.32	3.61	1.31	0	.25	0	0	.69	12.11
20B	GIRARD RESERVOIR	.15	.01	.01	.08	5.27	3.26	1.73	.02	.23	0	.14	.87	11.77
21	BRANT RANCHO - GIRARD	0	.10	0	.55	4.08**	2.80	1.55*	0	.85	0	.41	.73*	11.07**
23-E	CHATSWORTH RESERVOIR	.35	T	T	.10	4.73	2.91	1.57	.06	.20	0	T	.57	10.49
24-D	CHATSWORTH	.36	0	0	.85	4.59	3.01	1.81	0	.14*	0	0	.34*	11.10**
25C	NORTHRIDGE - LOS ANGELES DEPT. WATER & POWER	.26	0	0	.63	3.22	2.64	1.23	0	.01	0	0	.48	8.47
27B	PACOIMA - RADDATZ RANCH	.16	0	0	.86	4.16	2.66	1.91	T	.53	0	T	.57	10.85
28F	SAN FERNANDO	.29	0	.20	.90	3.84	2.82	2.20	0	.30	0	T	.52	11.07
29B	GRANADA PUMP PLANT	.52	0	T	1.65	3.81	2.91	2.07	T	.11	0	.02	.55	11.64
30B	SYLMAR	.40	0	0	.24	4.68**	3.46	2.35	0	0	0	0	.41	11.54**
31	ORCUTT RANCH	.95	0	0	1.44	5.43	3.83	3.99	.34	.26	0	0	.59	16.83
32C	NEWHALL-SOLEDAD DIVISION HEADQUARTERS	.04	0	0	.84	3.09	3.49	1.90	.05	.37	0	0	.66	10.44
33A'-E	PACOIMA DAM	.26	.03	T	.83	4.10	3.04	3.00	.07	.67	0	T	1.11	13.11
39B	SUNSET DAM	.05	0	0	.35	5.29	3.04	1.90	0	.86	0	0	1.46	12.95
42C	REDONDO BEACH CITY HALL	.08	.01	.03	1.00	5.03	1.81	.81	.01	.16	0	0	1.53	10.47
43D	PALOS VERDES ESTATES	.11	.01	.04	T	7.12	2.05	1.20	.05	.54	0	0	1.57	12.69
44A	POINT VICENTE LIGHTHOUSE	.04	.08	T	.22	4.51	1.72	.96	.04	.06	0	0	1.32	8.95
46D-E	BIG TUJUNGA DAM	.10	0	T	.77	7.14	2.96	2.65	T	.44	0	.05	2.40	16.51
47D	CLEAR CREEK - CITY SCHOOL	.20	0	0	.98	8.62	3.20	3.68	0	.69	0	0	2.35	19.72
48B	OAK WILDE	.25	0	0	.84	4.68	1.97	2.38	T	.72	0	T	1.79	12.63
50B	LA CANADA - ARROYO SECO	.04	0	.02	.66	5.81	2.64	2.16	T	.49	0	0	1.36	13.18
51	FALLING SPRINGS	.51	T	.02	1.07	7.08	2.74	2.56	.01	.71	0	0	4.73	19.43
52C	WATERMAN GUARD STATION	.29*	.01*	.01*	1.06	7.78	2.74	3.35	0	.48	0	0	2.35	18.07**
53D	COLBY'S	.07	0	.02	.83	7.13	2.72	2.55	0	.27	0	.06	3.14	16.79
54C	LOOMIS RANCH - ALDER CREEK	.52	0	0	1.12	4.06	1.89	1.89	0	.68	0	.16	2.55	12.87
57B-E	OFID'S (CAMP HI-HILL)	.36	.04	.03	1.67	9.66	3.81	3.70	T	.31	0	T	3.63**	23.21**
58	STURTEVANT CAMP	.99	0	.01	1.65	10.92	2.99	3.94	.02	.70	0	0	2.92	24.14
60A	HOEGEE'S	.45	.03	.01	1.73	9.51	3.25	3.92	.03	.90	0	0	3.18	23.01
63C-E	BIG SANTA ANITA DAM	.42	.01	T	1.24	5.90	2.68	2.62	.05	.78	0	0	2.70	16.40
66	SIERRA MADRE - PEGLAR RANCH	.38	0	0	.80	5.47	2.42	2.29	0	.48	0	0	2.17	14.01
67F	MONROVIA-NEWS POST	.32	.04	.11*	.24	6.42	2.60	2.34**	.06	.30	0	0	2.63	15.06**
68B	SAWPIT DAM	.34	.02	.06	1.38	6.57	2.32	2.86	.07	.85	0	T	2.91	17.38
70D	ROGER'S CANYON	.24	0	.10	1.62	5.87	2.25	2.53	0	.46	0	0	2.65	15.72
73	GLENDORA - ENGLEWILD RANCH	.44	.03	.12	1.84	5.48	2.39	2.55	.02	.54	0	.02	2.84	16.27
76B	SAN GABRIEL DAM CAMP	.12	.02	T	.98	6.20	2.62	2.55	0	.09	0	0	3.44	16.02
80B	PRAIRIE FORK	.93	0	.11	.96	3.25	3.18	2.94	0	.16	0	.12	5.89	17.54
81B	VINCENT GAP	.77	0	0	.44	6.10	2.23	3.10	0	.16	0	.19	5.42*	18.41**
82F	TABLE MOUNTAIN	.11	0	.52	.82	1.83	1.84	1.81	.01	.01	0	.09	4.59	11.63
83B	BIG PINES RECREATION PARK	.79	T	.09	.82	2.77	2.71	2.50	0	.14	0	.10	5.01	14.93
85G	MT. BALDY GUARD STATION	.37	0	.02	.57	9.13	3.20	3.53	0	.30	0	0	5.62	22.74
87B	SAN DIMAS GUARD STATION	.12	.03	.04	1.98	6.23	2.75	2.83	.03	.18	0	0	3.26	17.45
89B-E	SAN DIMAS DAM	.22	.04	.10	2.09	5.45	2.20	2.64	T	.18	0	T	3.20	16.12
90	ELDER RANCH	.08	0	.30	1.86	5.75	2.39	2.56	0	.22	0	0	3.41	16.57
91	INDIAN HILL - CLAREMONT	.20	.04	.05	1.07	4.60	2.25	2.05	0	.09	0	0	2.72	13.07
92	CLAREMONT - POMONA COLLEGE	.22	.04	.14	1.14	4.47	2.51	1.87	T	.08	0	.03	2.99	13.49
93B	CLAREMONT - FIRE STATION	.18	.06	.11	1.07	4.64	2.39	1.94	0	.06	0	.03	2.97	13.45
95	SAN DIMAS - FIRE WARDEN	.47	.02	.10	.31	4.56	2.21	1.99	0	.09	0	.05	2.73	12.53
96B-E	PUDDINGSTONE DAM	.14	.01	.14	.57	3.87	2.00	2.07	T	.02	0	.08	2.60	11.50
99B	AZUSA - FOOTHILL RANCH	.24	0	.13	.82	4.70	2.25	2.29	0	.19	0	.01	2.73	13.36
101C	WEST COVINA - KELLER	.15	.04	.06	.49	4.53	2.79	2.09*	0	.10*	0	.09	2.11	12.45*
102C	WALNUT - PATROL STATION	.09	.03*	.11	.50	4.44	2.22	2.15	0	.40	0	T	2.64	12.58**
104	NO. WHITTIER - COLE RANCH	.02	0	.01	.54	4.42	2.72	2.17	0	.13*	0	.04*	2.42*	12.47*
106D	WHITTIER CITY HALL	.13	.10	.02	.36	4.56	2.76	1.69	0	.07	0	.02	1.83	11.54
107C	DOWNEY - FIRE DEPARTMENT	.04	.01	T	.36	4.50	2.91	1.62	0	.15	0	T	1.31	10.90
108C	EL MONTE FIRE STATION	.06	.05	.05	.57	4.00	2.48**	2.10	0	.11	0	.03	2.04	11.49**
109D	WEST ARCADIA	.24	T	T	.48	4.50	2.18	2.17	0	.28	0	0	1.90	11.75
110B	ALHAMBRA	.27	0	.02	.37	4.46	2.85	2.24	0	.23	0	T	1.49	11.93
111	SOUTH PASADENA - CITY HALL	.07	0	0	.33	5.12	2.41	2.24	0	.21	0	0	1.33	11.71
116D	INGLEWOOD - FIRE STATION	.04	.02	.02	.45	4.58	2.80	1.57	0	.33	0	.15	1.00	10.96
117F	COMPTON - FIRE STATION	.07	.01	.01	.35	4.73	3.15	1.22	0	.54	0	0	1.51	11.58
118C	WILMINGTON	0	0	.06	.54	5.69	2.51	.84	.02	.37	0	0	1.72	11.75
119F	SAWTELLE-SOLDIER'S HOME	.33	.02	0	.08	3.80	3.38	1.85**	0	.09	0	.35	.92**	10.82**
120	VINCENT PATROL STATION	.02	0	.01	.05	1.50	1.20	1.06	0	.50	0	0	1.38	5.72
122F	LEONIS VALLEY-RITTER RANCH	.08	0	T	.45	2.30	1.82	2.86	0	.60	0	.21	2.12	10.44
124B-E	BOUQUET CANYON RESERVOIR	.34	0	.01	.55	2.43	2.39	2.42	.03	.73	0	.11	1.54	10.55
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1 (SAUGUS)	.43	0	0	.16	3.36	2.52	2.56	.12	.66	0	.06	1.34	11.21
126B	VENICE-FIRE STATION	.17	0	0	.19	3.92	2.61	1.62	0	.12	0	.80	.93	10.36
127B-E	DRY CANYON RESERVOIR	.34	0	0	.04	2.55	1.88	2.35	.04	.47	0	.03	1.33	9.03
128B	ELIZABETH LAKE CANYON	.40	T	0	.55	3.65	3.33	2.75	.45	.55	0	T	1.35	13.03
130B	SANDBERG - QUAIL LAKE PATROL STATION	.14	.02	.01	.13	2.92	2.52	1.91	.02	.66	0	.37	1.97	10.67
134	SAN DIMAS - STEVENS	.18	.01	.20	1.00	4.99	2.44	2.31	0	.06	0	.06	2.96*	14.21*
135	NORWALK	0	0	T	.26	4.43	2.39	1.31	0	.37	0	.06	1.67	10.49
136B	HOLLYWOOD - CITY ENGINEER	.03	T	.01	.51	3.78	3.91	1.72	0	.12	0	.01	.97	11.06
139B	LOS ANGELES WATER DEPARTMENT	.09	0	0	.03	3.78	3.39	2.04	0	.13	0	.01	1.26	10.73
140C	SAWTELLE	.30	0	0	.90	4.22	3.38	1.63	0	.23	0	.18	.50	11.34
143B	AZUSA - CITY PARK	.30	0	.11	.23	4.82	2.23	2.27	0	.22	0	.03	2.44	12.65
144	SIERRA MADRE DAM	.37	0	.06	.50	7.05	2.58	2.68	.03	.76	0	T	2.49	16.52
155B	LITTLE ROCK CREEK	.02	0	.03	.03	1.08	1.14	.88	.15	.12	0	.07	1.74	5.26
156	LA MIRADA - STANDARD OIL CO.	.01	T	T	.44	4.40	2.30	1.33	T	.27	0	.03	1.57	10.35
157B	EL SEGUNDO - STANDARD OIL CO.	.06	0	0	.38	4.98	2.35	1.26	.05	.20	0	0	1.19	10.47
158	TANBARK FLATS	.12	.01	.02	.97	6.43	3.06	2.89	.04	.35	0	0	3.39	17.28
167B	ARCADIA PUMPING PLANT	.34	0	.08	.28	5.99	2.25	2.20	0	.47	0	0	1.26	12.87
169-E	SIERRA MADRE PUMPING PLANT	.32	0	.07	.30	6.03	2.49	2.43	.01	.50	0	T	2.22	14.37
170D	POTRERO HEIGHTS	.02	0	.01	.47	3.85	2.38	2.08	0	.42	0	0	1.60	10.83
171B	CHAPMAN WELLS	.15	.02	.03	.59	5.18	2.25	2.33	0	.35	0	0	2.04	12.94
172B	DUARTE	.20	.02	.06	.77	4.10	2.68	2.47	0	.72	0	T	2.86	13.88
174	GLENDORA - WARREN	.24	.03	.07	1.00*	4.99*	2.69	2.27	0	.28	0	.03	2.86	14.46*
175B	LA CANADA IRRIGATION DISTRICT	.17	.05	.02	T	6.92	3.16	3.37	.10	1.08	0	0	1.85	16.72
176	ALTADENA - RUBIO CANYON	.15	T	T	.70	5.82	2.53	2.61	.07	.73	0	0	1.71	14.32
177F	LA CANADA - AP ROBERTS	.27	0	.04	.83	5.78	2.72	2.42	T	.78	0	.02	1.28	14.14
178C	AZUSA VALLEY WATER CO.	.17	0	.05	.69	3.30	2.13	2.04	0	.09	0	.03	2.81	11.31
179G	BAILEY DEBRIS DAM	.44	0	.06	1.00	6.06	2.70	2.58	.05	.96	0	0	2.10	15.95
185	GLENDORA - WEST	.28	T	.07	1.09	4.71	2.44	2.45	T	.38	0	.02	2.65	14.09
190B	RANCHO SOMBRERO	.45	T	T	1.00	4.51	3.66	3.09	0	.65	0	0	.62	13.98
191B	LOS ANGELES - ALCAZAR	.18	.01	T	.02	4.30	3.22	2.17	0	.14	0	.03	1.49	11.56
192C	BELL - FIRE STATION	.03	.02	0	.39	4.14	3.23	1.55	0	.13	0	T	1.41	10.90
193B	COVINA NO. 2 - TEMPLE	.20	.02	.06	.62	3.95	2.65	2.27	0	.02	0	.08	2.84	12.71
196B	LA VERNE - POLICE DEPARTMENT	.22	.06	.11	.89	3.96	2.31	1.96	0	.08	0	.07	2.88	12.54

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1962-63

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
198B	BRAND DEBRIS BASIN	.03	0	0	.14	4.96	2.54	1.68	0	.46	0	0	1.24	11.05
199C	HUNTINGTON PARK - CITY YARD	.06	.02	0	.39	4.00	3.24	1.47	0	.11	0	T	1.41	10.70
200	SAUGUS - S.C.E. CO. SUBSTATION	.19	0	0	.95	2.08	2.44	1.66	0	.36	0	T	.62	8.33
201B	PUENTE HILLS - ALTA MIRA RANCH	.07	.01	.05	.66	4.65	2.58	2.16	0	.13	0	.04	2.42	12.77
208B	ARTESIA	0	.03	.02	.20	4.60	2.59	1.25	0	.36	0	.04	1.40	10.49
210B	BRAND PARK	.02	0	0	.25	4.99	2.91	1.71	.02	.65	0	T	1.44	11.99
213F	LOS ANGELES - HANCOCK PARK	.03	0	0	.56	3.14	3.79	1.90	0	.25	0	.10	.96	10.73
215F	BELLFLOWER-MC CLURG	0	0	0	.49	4.66	2.60	1.12	0	.28	0	0	1.56	10.71
216	GLENDALE - JONES	.02	T	T	.02	4.70	2.43	1.68	T	.44	0	T	1.86	10.95
219	PACOIMA WAREHOUSE - COUNTY FORESTRY	.09	0	0	.90	3.68	2.60	2.11	0	.51	0	0	.82	10.71
222C	LANKERSHIM PUMPING PLANT	.04	0	0	.01	4.18	2.78	1.71*	T	.17	0	T	.78	9.76**
223B-E	BIG DALTON DAM	.23	.02	.04	2.23	6.08	2.71**	2.96	.06	.49	0	0	3.65	18.47**
224B	LONG BEACH-ALAMITOS LAND CO.	.02	.01	T	.03	6.14	2.64	.82	0	.42	0	0	1.59	11.67
225	MONTANA RANCH	0	0	T	.20	4.89	2.52	1.37	0	0	0	0	1.39*	10.37**
226B	BURBANK FIRE STATION	T	0	0	.27	4.64	2.74	1.86	0	.21	0	T	1.27	10.99
227D	SAN GABRIEL - BRUINGTON	.16	0	.02	.38	4.18	2.60	2.23	0	.23	0	0	1.64	11.44
228B	BEVERLY HILLS - CITY HALL	.19	0	0	.70	3.85	3.41	1.71	0	.05	0	.06	.92	10.89
230D	CLAREMONT - ELDER	.26	0	.08	.87	4.90	1.91	2.16	0	.17	0	.05	3.48	13.88
235	HENNIGER FLATS	.41	.03	.12	1.04	6.06	2.93	2.66	.16	1.56	0	0	2.44	17.41
237C-E	STONE CANYON RESERVOIR	.27	.01	.03	.01	5.73	3.93	1.88	.04	.22	0	.19	.87	13.18
238	HOLLYWOOD DAM	.10	0	.07	0	4.23	3.46	2.02	0	.24	0	.01	.93	11.06
241B	LONG BEACH - VETERAN'S MEMORIAL BUILDING	T	.03	.01	.19	5.91	2.96	.95*	0	.40	0	0	1.63	12.08**
246B	CULVER CITY - BUS YARD	.18	0	.01	.27	3.83	3.06	1.64	T	.23	0	.26	.92	10.40
250D	ACTON CAMP	.09	0	0	.05	2.14	1.44	1.27	0	.38	0	.01	2.10	7.48
251	LA CRESCENTA	.17	0	T	.85	6.69	2.84	3.20	.08	.72	0	T	2.09	16.64
254B	LA PUENTE - ROWLAND RANCH	.05	.10	.08*	.56*	4.72**	2.43*	2.19*	0	.02	0	T	2.48	12.63*
255D	MOUNT SAN ANTONIO COLLEGE - SPADRA	.15	.03	.10	.57	3.91	2.22	2.12	0	.06	0	.12	2.09	11.37
256B	POMONA - FIRE STATION	.16	0	.07	.51	4.40	2.25	2.36	0	.03	0	.12	2.75	12.65
257	GRIFFITH PARK NURSERY	.07	0	.05	.45	4.51	3.07	2.15	0	.23	0	T	1.34	11.87
259C	CHATSWORTH PATROL STATION	.52	.02	0	1.00	4.59	3.31	2.06	.10	.29	0	.01	.35	12.25
261B-E	ACTON - ESCONDIDO CANYON	.24	T	T	.30	1.88	1.27	1.27	0	.37	0	.11	1.33	6.77
263F	POMONA - RIVERA	.10	0	0	.63	4.40	2.52	2.02	0	.06	0	.06	3.02	12.81
264B	SAND CANYON - PLACERITA CANYON	.02	0	0	.39	3.18	3.90	3.29	0	.58	0	0	1.21	12.57
265D	PUENTE HILLS - WEISEL RANCH	.07	.02	0	.45	5.25	2.26	2.31	0	T	0	.05	2.11	12.52
266C	EAST WHITTIER	0	0	.04	.03	4.86	2.38	1.49*	0	0	0	0	1.96	10.76**
269C	DIAMOND BAR HORSE CAMP	.08	.01	0	.49	5.18	2.39	1.64	0	.14	0	.02	2.67	12.62
270C	COUNTY FARM - RANCHO LOS AMIGOS	0	0	T	.20	4.18	2.93	1.42	0	.10	0	T	1.46	10.29
272D	LOS ANGELES - HEADWORKS PUMPING PLANT	0	0	0	.05	4.56	3.05	1.80	0	.08	0	0	1.17	10.71
273D	SAN PEDRO HILLS - MC CARRELL	.07	0	.08	.71	6.42	2.39	1.87	0	.25	0	0	1.69	13.48
274B	ACTON - HUBBARD	.44	.02	0	.40	1.63	1.52	1.94	0	.70	0	.11	1.48	8.24
275	SAN MARINO - HUNTINGTON LIBRARY	.08	T	.01	.01	4.79	2.57	2.23	0	.34	0	0	1.58	11.61
277	SAWMILL MOUNTAIN RANCH	.06	0	0	.28	3.24	1.94	2.46	.07	.52	0	.30	2.63	11.50
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.02	.02	0	.01	4.09	3.77	1.62	0	T	0	.10	1.21	10.84
280B	FLINTRIDGE FIRE STATION	.03	0	T	.49	5.53	2.66	2.05	.02	.52	0	T	1.36	12.66
283C	CRYSTAL LAKE	.91	.06	.02	1.25	7.00	2.74	3.63	0	.63	0	T	5.45	21.69
284D	PLACERITA CANYON	0	0	0	.49	2.92	3.69*	2.32	0	.85	0	0	1.05	11.32*
285C	MOUNT ST. MARY'S COLLEGE	.44	0	0	.90	5.10	3.82	2.09	0	.35	0	0	1.02	13.72
287	GLENDORA - IRRIGATION CO.	.25	0	.07	.99	4.82	2.49	2.42	T	.29	0	.03*	2.80	14.16**
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	.04	0	T	.37	4.24	3.09	1.31	0	.10	0	0	1.37	10.52
290B	MONTEREY PARK - FIRE STATION	.01	T	0	.45	3.89	2.96	2.01	0	.35	0	.01	1.34	11.02
291	LOS ANGELES - 96TH AND CENTRAL	.07	.01	0	.43	4.64	3.25	1.45	0	.17	0	0	1.33	11.35
292D-E	ENCINO RESERVOIR	.08	0	T	.02	5.39	3.50	1.60	0	.15	0	.01	.51	11.26
293-E	VAN NORMAN LAKE - LOWER	.39	0	T	.05	5.35	3.28	2.59	T	.28	0	T	.56	12.50
294B	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.38	0	.06	.35	7.06	2.76	2.57	.02	.75	0	T	2.48	16.43
295C	GLENDALE - STAPENHORST	.04	0	.01	.40	4.86	2.56	1.84	0	.26	0	.01	1.48	11.46
298B	GORMAN	.10*	0	0	.33	1.88	1.79	2.24	0	1.02	0	0	2.56	9.92**
299D	LITTLE ROCK	.18	0	T	.10	.70	.79	.70	0	.16	0	.08	1.96	4.67
303F	PASADENA - CAL TECH	.12	0	T	.46	5.01	2.59	2.22	T	.26	0	T	1.63	12.29
304	SAWPIT CANYON - DEER PARK	.51	T	.04	1.59	7.91	2.83	3.57	.11	1.01	0	0	3.26	20.83
306D	TRANCAS BEACH	.29	0	.06	0	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
311D	PASADENA METEOROLOGICAL STATION	.16	T	.02	.48	5.13	2.38	2.25	.02	.40	0	.01	1.39	12.24
312B	AZUSA PLANT - GLENDORA IRRIGATION CO.	.34	T	.08	1.17	5.36	2.32	2.78	T	.53	0	.64	2.34	15.56
318B	JACKSON LAKE - BIG PINES	.79	T	.09	.02	2.79	1.40	.79	0	.09*	0	.10	5.01	11.44**
321-E	PINE CANYON PATROL STATION	.37	0	0	.22	2.60	2.37	1.90	.27	.41	0	.08	2.05	10.27
322	MUNZ VALLEY RANCH	0	0	0	0	1.07	1.42	.88	.08	.40	0	0	2.11	5.96
334B-E	COGSWELL DAM	.14	.01	.01	1.21	7.92	2.89	2.84	.01	.11	0	T	3.92	19.06
336-E	SILVER LAKE RESERVOIR	.09	0	.05	0	4.02	2.99	2.02	0	.13	0	0	1.38	10.68
338A	MOUNT WILSON - OBSERVATORY	.53	.05	.07	1.57	8.44	3.83	3.77	T	.64	0	T	3.81	22.71
338B	MOUNT WILSON - AIRWAYS STATION	.51	.05	.03	1.50	7.88	3.25	3.23	0	.60	0	0	3.49	20.54
339	WALNUT FRUIT GROWERS ASSOCIATION	.07	.03	.09	.04	4.72	2.24	2.08	0	.49	.03	0	2.57	12.36
341	ALISO CANYON - BLUM RANCH	.08	0	0	.06	1.96	1.33	1.40	T	.83	0	.03	1.71	7.40
342D	UPLAND - CADNUM	.18	0	.20	1.45	4.91	2.26	2.04	0	0	0	0	2.86	13.90
347-E	BALDWIN PARK EXPERIMENTAL STATION	.04	0	.05*	.66	3.63	2.48	1.99	0	.11*	0	0	2.31	11.27**
349D	CAMP RINCON	.14*	.02*	T	.78	6.60	2.44	2.05	T	.04	0	0	2.61	14.68**
352B	LECHUZA PATROL STATION	.44	T	.18	.89	5.94	3.80	2.49	.81	.99	0	.46	1.16	17.16
355B	LOS ANGELES - CITY COLLEGE	.02	0	0	.52	3.83	3.49	1.89	T	.15	0	T	1.16	11.06
356C	SPADRA - PACIFIC COLONY	.09	.04	.09	.44	4.43	2.47	2.35	0	.08	0	.05	2.99	13.03
357	VAN NORMAN RESERVOIR - UPPER	T	0	.03	.08	5.26	3.33	2.47	0	.33	0	0	.70	12.20
362B	EL MIRADOR RANCH	0	0	0	.45	5.52	2.48	2.26	.04*	.50	0	.03	1.37	12.65**
363C	WILSON CANYON	.39	0	0	1.05	4.72	3.85	2.98	0	.88	0	0	1.70	15.57
364	HAINES CANYON - LOWER	.05	T	0	.64	6.61	2.15	2.27	0	.68	0	T	1.60	14.00
365C	MT. LUKENS	.14	0	0	.49	6.06	1.37	2.46	T	.82	0	T	2.26	13.60
367	HAINES CANYON - UPPER	.07	T	0	.72	7.75	2.66	2.57	0	.83	0	0	1.76	16.36
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.52	0	0	.16	3.27	2.55	2.72	.12	.72	0	T	1.71	11.77
373B	BRIGGS TERRACE	.23	.08	.01	.88	6.46	3.25	3.30	.20	1.63	0	.01	2.15	18.20
375B	GRIFFITH PARK ZOO	0	0	0	.45	4.15	3.66	2.18	0	0	0	0	1.04**	11.48**
377F	LAKE SHERWOOD ESTATES	.21	.01	.11	.84	4.61	3.51	2.21	.38	.54	0	.27	.99	13.68
379B	SAN GABRIEL - EAST FORK	.07	0	0	.79	6.05	2.58	2.50	T	.22	0	T	3.34	15.55
386C	ZUMA CANYON - OAKLEY	.54	.02	.17	1.02	6.41	4.41	2.57	.98	1.02	0	.39	1.37	18.90
387B	COVINA SEWAGE PLANT	.18	.01	.13	.45	3.85	2.40	2.08	0	.04	0	.07	2.50	11.71
388C	PARAMOUNT - COUNTY FIRE STATION	T	0	T	.47	4.65	2.85	1.18	0	.33	0	0	1.29	10.77
389B	GLENDORA - BROWN	.39	T	.10	1.25	5.58	2.38	2.41	.03	.43	0	.02	2.59	15.18
390B-E	MORRIS DAM	.19	0	.05	1.91	6.00	2.41	2.68	.01	.40	0	0	2.99	16.64
391B	MONTEBELLO - FIRE DEPARTMENT	.06	0	0	.41	3.71	2.86	1.72	0	0	0	.01	1.40	10.17
394	HIGHLAND PARK - LINDSAY	.08	0	0	.36	4.25	2.62	2.12	0	.24	0	0	1.26	10.93
395B	OLIVE VIEW SANITARIUM	.34	T	0	.91	4.10	3.48	2.70	0	.80	0	T	1.54	13.87
402F	CEDAR SPRING	1.08*	0	0	.81	4.40	2.08	2.85	0	.49	0	0	5.58	17.27**
405B	SOLEDAD CANYON - ECKLES	.21	.02	0	.18	2.96	1.76	2.19	.02	.67	0	.03	1.41	9.45
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT NO. 6	.23	.02	.12	.73	4.24	2.26	2.01	0	.09	0	.04	2.22	11.96
407-E	NEWHALL - U.S.F.S. HEADQUARTERS	.15	0	.01	.71	3.60	3.37	2.35	.19	.60	0	.02	.94	11.94
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	0	0	0	.85	3.50	3.00	1.70	0	.42	0	0	1.51	10.98
415	SIGNAL HILL - CITY HALL	0	0	T	.15	4.85	2.89	1.01	0	.80	0	0	1.58	11.28
419B	SANTA CLARA RIDGE - MT. GLEASON	.09	0	0	.71	6.58	2.73	2.44	0	.41	0	.05	2.21	15.22
420C	ACTON - COLOMBO RANCH	0	0	0	0	2.93	1.83	1.56	0	.94	0	0	1.36	8.62
422F	PACOIMA CANYON	.42	T	0	.89	5.67	4.29*	4.50	T	1.21	0	T	.77	17.75**
423A	ALISO CANYON - WAGON WHEEL RANCH	.18	.01	.04	.89	3.19	2.24	2.56	0	1.14	0	.60	2.77	13.62
425B-E	SAN GABRIEL DAM	.15	T	T	1.35	6.74	2.77	2.74	.01	.29	0	T	3.32	17.37
427B	DOWNEY - JORDAN	.04	.01	.02	.40	4.31	2.99	1.57	0	.17	0	.01	1.56	11.08
432	SANTA ANITA - FERN LODGE	.46	.01	.01	1.61	8.11	2.78	3.57	.02	.66	0	T	3.23	20.46
433C	FAIR OAKS DEBRIS BASIN	.26	.02	T	.80	5.89	2.74	2.81	.08	1.30	0	0	1.75	15.65

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1962-63

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
434	MALIBU - DIVISION HEADQUARTERS	.08	.05	.05	.61	5.22	3.08	1.50	.28	.40	0	.77	.82	12.86
435	MONTE NIDO	.30	.07	.05	.74	4.39	4.26	2.44	.54	1.01	0	.53	1.24	15.57
436C	HANSEN DAM	.08	0	0	.70	4.24	2.74	2.18	0	.55	0	0	.72	11.21
437	HAMILTON BOWL - LONG BEACH	.02	0	.03	.30	4.08	2.52	.94	0	.59	0	0	1.41	9.89
440B	CHILAO - U.S.F.S. CAMP	.42	T	T	.24	6.85	3.07	2.36	0	.57	0	.18	3.33	17.02
441D-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.06	0	.02	0	1.03	1.25*	.95	0	.21	0	.12	1.59	5.23**
442B	MESCAL CREEK - FORT TEJON ROAD	.34	0	.05	.09	1.39	1.17	.46	0	0	0	.38	2.67	6.55
443B	LATIGO CANYON - BEACH RANCH	.45	.04	.20	1.13	6.25	4.59	2.64	.91	1.10	0	.27	1.22	18.80
444C	ROLLING HILLS	0	.10	.06	.56	5.50	2.06	1.50	.01	.30	0	0	1.86	11.95
445B	LIVE OAK DAM	0	.04	.17	1.23	4.93	2.34	1.99	0	.10	0	0	2.99	13.79
446	ALISO CANYON - OAT MT.	.79	.02	0	1.44	5.21	3.68	3.41	.22	.36	0	T	.57	15.70
447B	LAS FLORES PATROL STATION	.34	.02	.05	.59	4.47	3.00	1.72	.04	1.08	0	.10	.72	12.13
449B	EATON WASH DAM	.24	T	.01	.71	5.33	2.35	2.21	.02	.72	0	T	1.96	13.55
451B	CASTAIC PATROL STATION	.25	0	0	1.08	1.98	2.79	1.83	.07	.40	0	0	.23	9.13
453C	DEVIL'S GATE DAM	.10	T	.01	.70	5.91	2.66	2.33	.04	.52	0	T	1.56	13.83
455B	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	0	0	T	.01	.62	.89	.74	0	.59	0	.38	1.69	4.92
456	PIUTE BUTTE	.22	T	T	.56	.73	.73	.40	0	.26	0	.26	1.92	5.08
458	ZUMA CANYON PATROL STATION	.50	0	.05	.71	5.15	2.85	1.88	.67	.54	0	.11	1.22	13.68
460B	PLEASANT VIEW MESA - NEAL	.43	0	0	.18	1.64	1.70	.96	0	.52	0	.28	2.55	8.26
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.11	.07	.04	.54	3.38	2.78*	1.63	0	.17	0	.22*	.96	9.90*
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	.20	0	0	.91	3.83	3.42	1.45	.05	.15	0	.15	1.07	11.23
463B	MAR VISTA - SOUTHERN CALIFORNIA WATER CO.	.20	.02	.02	.46	3.62	2.93	1.16	T	0	0	.79	.83	10.03
465C	SEPULVEDA DAM	.05	0	0	.39	4.13	3.30**	1.51	0	.06	0	0	.47	9.91**
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	.43	0	0	.79	5.08	3.22**	4.22	0	.82	0	T	1.46	16.02**
468	PICKENS DEBRIS BASIN	.16	.07	0	.47	6.90	3.08	3.24	.08	.82	0	0	2.06	16.88
470	TUJUNGA - MILL CREEK	.41	0	.05	1.26	3.32	2.07	2.02	0	.79	0	.38	2.74	13.04
471	LITTLE TUJUNGA - GOLD CREEK	.07	.02	0	.80	4.66	2.49	3.40	0	.50	0	0	1.44	13.38
474B	SOUTH GATE - FIRE DEPARTMENT	.05	0	0	.57	4.18	3.07	1.34	0	T	0	0	1.39	10.60
475	SAUGUS - NEWHALL LAND & FARMING COMPANY	.14	0	0	.98	2.70	2.79	1.56	.13	.34	0	.03	.70	9.37
476D	TRIUNFO CANYON	.11	.05	.09	.93	5.14	3.46	1.81	.31	.60	0	.30	.68	13.48
477D	SANTA ANITA - SPRING CAMP	.33	.02	.01	1.63	9.57	3.28	3.80	.01	.51	0	0	3.48	22.64
478	VALYERMO - U.S.F.S. HEADQUARTERS	.37	0	.10	.05	1.69	2.03	.77	0	.30	0	.25	2.29	7.85
480B	TEMPLE CITY - FIRE STATION	.22	0	T	.37	4.01	2.04	1.95	0	.33	0	T	1.75	10.67
482	LOS ANGELES - U.S.C.	.01	0	0	T	4.01	3.26	1.70	0	.06	0	.01	1.23	10.28
486B	COLDWATER CANYON - WIDMAN RANCH	.63	.05	.02	1.13	6.00	3.12	3.03	.01	.62	0	T	4.47	19.08
488B	KAGEL CANYON PATROL STATION	.26	.03	T	.04	3.63	2.71	2.57	.03	.62	0	0	1.02	10.91
489	COLD CREEK - STUNT'S RANCH	.20	.02	.10	0	7.65	4.77	2.43	.46	.54	0	.34	.80	17.31
490	LANCASTER - WILEY RANCH	.11*	0	0	.01*	.67*	.80*	.56*	0	.43*	0	.32*	1.78*	4.68*
491B	PACIFIC PALISADES	.45	0	0	.64	4.42	3.41	1.58	0	.21	0	.90	1.21	12.82
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	.44	T	.03	.77	5.52	3.08	2.26	T	.63	0	0	3.91	16.64
497	CLAREMONT - SLAUGHTER	.13	.02	.08	1.21	4.49	2.14	2.12	0	.05	0	0	2.88	13.12
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	.31	0	0	1.02	6.62	2.41	3.57	T	1.20	0	T	2.07	17.20
508C	ARROYO SECO - RANGER STATION	.59	T	T	.81	6.55	2.50	2.51	.05	.87	0	0	1.63	15.51
517B	ANDERSEN RANCH (LEWIS RANCH)	.37	0	.04	.07	4.00	1.79	1.28	0	.44	0	.61	3.47	12.07
519B	ELIZABETH LAKE	.30	0	T	.33	2.45	2.04	2.99	.13	.50	0	.25	2.11	11.10
542-E	FAIRMONT	.07	0	T	.13	2.28	2.03	1.88	.16	.46	0	.07	2.15	9.23
551	HUENEME LIGHTHOUSE	.49	0	.20	.27	3.41	2.27	1.18	.18	.47	0	.14	.41	9.02
564C	LLANO	.35	0	.07*	.05	.92	.95	.45*	0	.21*	0	.34	1.90	5.24**
565B	LONG BEACH - CITY AUTOMATIC	T	T	T	.18	5.04	2.91**	.95	0	.29	0	0	1.55*	10.92*
566	LONG BEACH NO. 1	.05	T	T	.21	4.95	2.75	.98	0	.83	0	0	1.54	11.31
571C	LONG BEACH NO. 6	T	T	T	.17	5.44	2.96*	.95*	0	.35*	0	0	1.54*	11.41*
575C	LONG BEACH WEATHER BUREAU	.04	.03	.01	.41	5.69	2.81	.99	T	.36	0	T	1.62	11.96
577F	LOS ANGELES U.S.W.B. - FEDERAL BUILDING	.12	T	T	.52	2.88	2.78	1.94	T	.14	0	.02	1.31	9.71
587B	SAN ANTONIO CANYON - POWER HOUSE NO. 1	.23	.03	.08	.95	6.39	2.89	3.01	T	.34	0	.02	3.40	17.34
588D	MOUNT LOWE	.55	.05	.07	1.64	8.84	4.01	3.95	T	.67	0	T	3.99	23.76
593B	NEWHALL RANCH	.28	0	0	1.45	2.43	2.86	2.28	.25	.65	0	.15	1.04	11.39
598B	NEENACH	.02	0	0	.02	1.92	2.32	.88	0	.49	0	.43	2.24	8.32
610B	PASADENA - CITY HALL	.19	T	.05	.48	4.84	2.35	1.91	T	.36	0	T	1.51	11.69
611C	ALTADENA GOLF COURSE	.34	0	.01	.77	5.59	2.42**	2.50	.04	.87	0	0	1.81	14.35**
612	PASADENA - CHLORINE PLANT	.54	.02	.05	.65	6.27	2.58	2.50	.04	.77	0	.01	1.55	14.98
613B	PASADENA - HURLBUT FIRE STATION	.07	0	T	.41	4.72	2.98	1.93	0	.37	0	T	1.49	11.97
617B	POMONA - ADAMSON	.25	.01	.15	.56	4.09	2.35	2.15	0	.11	0	.06	2.95	10.53
618B	TAPO CITRUS ASSOCIATION	.30	0	0	.39	3.82	2.69	2.00	.12	.25	0	0	1.83	11.40
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	.29	.02	.04	.82	7.92	3.15	2.47	T	.20	0	0	3.93	18.84
627	SAN GABRIEL CANYON POWER HOUSE	.44	.01	.16	1.37	5.56	2.51	2.60	.04	.67	0	.04	2.54	15.94
629C	SAN PEDRO U.S.W.B.	.02	T	T	.40	4.13	2.16	.97	T	.33	0	0	2.11	10.12
634C	SANTA MONICA	.28	T	T	.43	4.69	2.77	1.30	T	.15	0	.96	1.01	11.59
644	SOMIS - SNYDER RANCH	.30	0	.03	.29	3.87	1.78	1.79	.27	.37	0	.07	1.16	9.93
660B	OXNARD	.37	0	.07	.41	4.10	2.34	1.44	.16	.80	0	.02	.75	10.46
662B	LONG BEACH - KEEVER AVENUE	.02	T	T	.27	5.00	2.77	1.20	0	.67*	0	0	1.56	11.49**
666C	LONG BEACH - NEECE STREET	.05	T	.01	.29	5.09	2.78	1.19	0	.59	0	0	1.35	11.35
672	EAGLE ROCK S.C.E. CO. SUBSTATION	.05	0	.01	.45	5.04	2.68	2.03	0	.49	0	0	1.39	12.14
673C	SEAL BEACH - POWER PLANT	T	0	.06	.21	5.32	2.81	.95	0	.55	0	0	1.83	11.73
678	PASADENA - SHELDON RESERVOIR	.15	T	.04	.54	5.39	2.54	2.31	.02	.47	0	.01	1.61	13.08
679	PUENTE - NO. WHITTIER HEIGHTS	.04	.04	.06	.02	4.55	2.46	2.15	0	.08	0	.02	2.23	11.65
680B	WESTWOOD - U.C.L.A.	.33	T	T	.39	3.30	3.26	1.78	.01	.15	0	.29	.86	10.37
681A	SIERRA MADRE RANGER STATION	.35	0	0	1.38	5.53	2.93*	2.90	0	1.41	0	0	2.38	16.88**
683	SUNSET RIDGE GUARD STATION	.27*	.02*	T	.77	6.41*	2.35	2.86	0	1.40*	0	0	1.94*	16.02*
691B	SAN ANTONIO SPREADING GROUNDS	.21	0	.17	2.15	5.29	2.31	2.62	0	.18	0	0	2.89	15.82
695B	TUJUNGA CANYON - VOGEL FLAT	.17	0	0	.94	8.71	3.47	2.08	0	.63	0	.30	2.22	18.52
703	GLENDALE - MC INTYRE	.04	0	.02	.37	4.50	2.39	1.84	0	.33	0	.01	1.52	11.02
705	ALDER CREEK - PARADISE RANCH	.15	.02	0	.66	4.15	2.79	3.17	T	.49	0	T	1.25	12.68
716	LOS ANGELES - DUCOMMUN STREET	.12	T	T	.44	3.49	3.34	1.94	0	.10	0	.02	1.43	10.88
718B	THOUSAND OAKS	.13	.02	.05	.73	4.19	2.38	1.56	.34	.33	0	.10	1.00	10.83
720B	SIMI VALLEY - SUSANA KNOLLS	.16	.01	0	.18	4.11	2.14	2.06	.15	.35	0	.17	.81	10.14
722C	BELLEVIEW - STRATMAN	.10	0	0	.08	1.12	1.40	1.35	0	.30	0	.12	1.94	6.41
724B	BIG DALTON - MONROE CANYON	.13	.03	.05	1.94	6.20	2.62	3.15	.06	.39	0	0	3.44	18.01
725	BIRMINGHAM HOSPITAL	.09	0	0	.48	3.98	3.04**	1.32	0	.07	0	0	.42	9.40**
726B	ANGELES CREST GUARD STATION	.33	0	0	.78	6.99	2.75	3.18	T	1.15	0	T	1.70	16.88
727	NEWCOMB PASS	.39	.04	.03	1.55	12.32	2.78	3.34	0	.66	0	0	2.64	23.86
728	PACOIMA CANYON - CITY ROAD GAGE	.40	T	T	1.06	6.74	3.52	5.19	T	.21	0	T	1.85	18.97
730	MILLARD CANYON - DAWN MINE	.83	0	0	.91	6.66	3.04	3.03	T	1.36	0	T	2.36	18.19
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	.10	0	0	.53	5.75	2.52	1.99	T	.44	0	T	1.54	12.87
732B	ROBERT'S CANYON - SAN GABRIEL WEST FORK DIVIDE	.30*	0	0	1.43	8.38	3.04	3.15	.01	.35	0	0	4.03	20.69
734B	LOS ANGELES INTERNATIONAL AIRPORT	.07	.02	.01	.62	4.48	2.42	1.41	.02	.24	0	.01	1.13	10.43
735C	BELL CANYON - DRY GULCH RANCH	.27	0	0	.83	4.16	2.57	1.51	.05	.44	0	0	1.20	11.03
737	UPPER SESPE - WHEELER SPRINGS 7N	0	0	0	2.28	5.02	3.36	2.70	.23	.94	0	.01	2.49	17.03
739	SANTA PAULA - LIMONEIRA RANCH	.39	0	T	1.58	3.75	2.50	2.39	.13	.57	0	T	1.28	12.57
740B	SAN DIMAS CANYON - FERN NO. 2	.29	.06	.08	1.28	8.25	4.08	3.83	.02	.33	0	0	4.83	23.05
741	SAN DIMAS CANYON - UPPER EAST FORK	.14	T	.05	.88	6.95	3.34	2.78	.06	.72	0	0	3.56	18.48
742C	SAN GABRIEL - FIRE DEPARTMENT	.32	.01	.03	.34	4.05	2.36	2.22	T	.25	0	T	1.70	11.28
746	MOJAVE - BACKUS RANCH	N.R.	N.R.	T	.05	.81	N.R.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
747	SANDBERG - AIRWAYS STATION	.10	0	T	.07	2.25	1.58	1.00	.02	.54	0	.22	2.52	8.30
749	BURBANK - U.S.W.B.	.03	T	.01	.47	4.17	3.21	1.51	.01	.31	0	.01	.83	10.56
750	PALMDALE - F.A.A. STATION	T	0	T	T	.54	.88	.51	T	.22	0	.12	1.75	4.02
755	GRIFFITH PARK - LITTLE CANYON	.08	0	0	.53	4.02	2.73	1.85	0	.23*	0	0	1.25	10.69**
756	GRIFFITH PARK - UPPER SPRING CANYON	.13	0	0	.50	4.10	3.00	1.97	0	.23*	0	0	1.35*	11.28**
757	GRIFFITH PARK - FERN DELL	.15	0	0	.50	3.66	3.06	1.73	0	.23*	0	0	1.09*	10.42**
758	GRIFFITH PARK - LOWER SPRING CANYON	.07	0	0	.45	4.37	3.10	2.10	0	.23*	0	0	1.25*	11.57**
759B	NICHOLS DEBRIS BASIN	.15	0	.12	.37	3.83	3.61	1.79	0	.08	0	0	.87	10.82

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1962-63

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
760	STUDIO CITY - GOODLAND AVENUE	T	0	0	.68	4.09	2.82	1.38	0	.10*	0	0	.67*	9.74**
762	UPPER STONE CANYON	.13	0	0	.65	4.51	3.41	1.40	0	.25*	0	0	.82*	11.17**
763B	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19	.29	0	0	.16	4.85	3.33	1.69	.04*	.22*	0	.19*	1.06*	11.83**
764	STONE CANYON - RIAL LANE	.24	0	0	.17	5.28	3.53	1.59	.04*	.22*	0	.19*	1.19*	12.45**
765B	15801 MULHOLLAND DRIVE	.18	0	0	.14	5.27	3.33	1.59	0	.25*	0	0	.79*	11.55**
766	MANDEVILLE FIRE ROAD NO. 24	.06	0	0	.60	4.78	3.50	1.52	0	.25*	0	0	.70*	11.41**
767	MANDEVILLE CANYON ROAD	.34	0	0	.80	5.37	3.90	1.66	0	.25*	0	0	1.10*	13.77**
768	SULLIVAN CANYON - FIRE ROAD NO. 26	.15	0	0	.65	5.32	3.48	1.95	0	.25*	0	0	1.27*	13.07**
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	.12	0	0	.65	4.72	3.32	1.68	0	.62*	0	.31*	1.10*	12.52*
770B	SANTA YNEZ CANYON - PASEO MIRAMAR	.38	0	0	.67	3.81	3.22*	1.95*	.08*	.31*	0	.59*	1.86*	12.87*
771	RUSTIC CANYON - SANTA MONICA	.35	0	0	.77	3.73	3.03	1.37	0	.21*	0	.90*	.93*	11.29*
772	LOS ANGELES - ECHO PARK AND LUCRETIA	.10	0	0	.45	3.37	2.65	1.77	0	.13*	0	0	1.37*	9.84**
774	BARLOW SANITARIUM	.05	0	0	.37	3.13	2.40	1.95	0	.13*	0	0	1.32*	9.35**
777	KENTER CANYON	.40	0	0	.80	4.22	3.35	1.91	0	.09*	0	.35*	.88*	12.00**
778B	SEPULVEDA CANYON - BELLAGIO ROAD	.58	0	0	1.00	4.72	3.77	2.16	0	.17*	0	.07*	.89*	13.36**
779	GRIFFITH PARK - LOWER MINERAL WELLS	.07*	0	0	.45	4.49	3.05	1.94	0	.23*	0	0	1.30*	11.53**
783	COON CANYON	.50	0	0	.76	6.10	2.58	2.38	T	.90	0	T	1.53	14.75
786	COON CANYON	.80	0	0	.80	5.41	2.27	2.37	T	1.17	0	T	1.61	14.43
788	COON CANYON	.78	0	0	.98	6.29	2.55	2.37	T	1.24	0	T	1.62	15.83
789	EL PRIETO CANYON	.61	0	0	.88	6.28	2.73	2.64	T	1.40	0	T	1.94	16.48
790	FILLMORE CITRUS ASSOCIATION	.50	0	0	1.95	5.89	3.70	2.33	.30	.32	0	0	1.36	16.35
791	SATICOY - BUENA VENTURA LEMON ASSOCIATION	.52	0	0	.61	4.99	2.65	1.74	.38	.64	0	0	1.23	12.76
792	SANTA PAULA - COUNTY AGRICULTURAL OFFICE	.33	0	.06	.65	5.30	2.55	2.17	.11	.43	0	.06	1.44	13.10
793	MARKHAM SADDLE	.32	0	T	1.04*	8.24**	2.06*	3.13	T	.25	0	T	3.37	18.41**
794-E	LOWER FRANKLIN RESERVOIR	.27	0	.03	.81	4.38	3.08	1.48	.03	.08	0	.02	.81	10.99
795	PASADENA - JOURDAN	.18	0	.03	.40	5.74	2.23	2.14	.01	.35	0	T	1.75	12.83
796	ELYSIAN PARK - FIRE DEPARTMENT	.10	0	0	.30	2.89	2.03	2.09	0	.13*	0	0	1.13*	8.67**
797	DE SOTO RESERVOIR	.46	.01	T	.09	4.94	3.12	1.77	.04	.16	0	T	.29	10.88
799	BALDWIN HILLS RESERVOIR	.11	.02	.02	0	4.09	2.92	1.42	0	.24	0	.22	1.01	10.05
801	MAGIC MOUNTAIN	.16	0	0	.62	4.12	2.94	2.95	T	.97	0	.14	1.83	13.73
802B-E	EAGLE ROCK RESERVOIR	.06	T	.04	.02	4.94	2.40	1.93	0	.50	0	T	1.36	11.25
807	ASCOT RESERVOIR	.36	.01	.03	0	4.56	3.01	2.45	0	.23	0	.02	1.32	11.99
1000	HUNT CANYON - BONES RANCH	.05	0	.05	.03	1.34	1.02	1.01	0	.19	0	.07	1.64	5.40
1001B	SAN GABRIEL WEST FORK GUARD STATION	.39	.03	.03*	1.73*	10.99*	3.00	3.79**	0	.20	0	0	3.63	23.79*
1005	MINT CANYON - THE OAKS	.39	0	0	.50	1.72	1.52	2.15	0	.40	0	.11	1.31*	8.10*
1006	SAN PEDRO - CITY RESERVOIR	.05	T	0	T	4.93	1.90	1.04	0	.25	0	0	2.04	10.21
1007C	CAMP VALCREST	.50	0	.06	1.03	5.38	2.69	2.50	0	.68	0	.37	4.75	17.96
1008-E	LA FRESA - S.C.E. CO.	.12*	.03	0	.36	5.57	2.74	.93	.03	.18	0	0	1.60	11.56**
1009	MINT CANYON - DYER	.01	0	T	.81	2.26	2.12	1.41	T	.46	0	.14	1.65	8.86
1010B	PALMER CANYON - FORKS	.21	0	.20	2.30	6.36	2.76	2.85	T	.37	0	0	2.97	18.02
1011B	PALOS VERDES FIRE STATION	.15	0	0	.71	5.50	1.87	1.30	0	.46	0	0	1.91	11.90
1012	CASTAIC JUNCTION	.21	0	0	.99	2.18	2.81	2.05	.08	.43	0	0	.70	9.45
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	.08	0	0	.72	5.29	3.04	2.42	0	.50	0	0	1.90	13.95
1014D-E	RIO HONDO SPREADING GROUNDS	.03	.01	T	.19	3.84	2.95	1.53	0	.11	0	T	1.40	10.06
1016	PALO COMADO CANYON - AGOURA	.14	0	.05	.07	5.31	2.71	1.59	.24	.29	0	.25	1.36	12.01
1017B	LITTLE ROCK CREEK ABOVE DAM	.18*	0	.03	.03	1.64	1.56	1.20	0	.25	0	T	1.66	6.55
1018B	SANTA SUSANA MTS. - DEVIL CANYON	.50	.01	T	1.17	5.08	3.99	3.25	.26	.42	0	.04	.50	15.22
1019	SANTA SUSANA MTS. - SALT CANYON	.49	.01	T	1.14	4.95	3.88	3.16	.25	.41	0	.04	.49	14.82
1020	PADUA HILLS PATROL STATION	.18	.02	.20	1.97	7.12	2.37	2.63	T	.37	0	T	2.72	17.58
1021D	YERBA BUENA WATER TANK	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
1022	HASLEY CANYON - WESTERN GULF OIL	.22	0	0	1.58	2.51	2.80	2.23	.40	0	0	0	.88	10.62
1023B	GARRAPATA CANYON - SPEER	.11	0	0	.60	5.38	3.45	1.95	.02	.35	0	.20	.92	12.98
1025	MALIBU BEACH - DUNNE	.55	.02	.02	.64	4.45	2.78	1.95*	.38	.97	0	.14	.71	12.61**
1028C	CORRAL CANYON - CRUMP	.74	.08	.07	1.06	5.86	3.74	2.79	.95	1.48	0	.32	.69	17.78
1029	TUJUNGA - MILL CREEK SUMMIT	.39	0	T	1.28	3.11	2.34*	1.86	0	.18	0	.52	2.72	12.40**
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	.52	0	0	2.17	8.15	4.38	4.90	0	.52	0	0	6.71	27.35
1031B	MT. WATERMAN	.52	.02	.01	.91	4.14	1.89	5.53	0	.92	0	.08	6.10	20.12
1035	WHITTIER - WOOD	.11	T	T	.44	4.37	2.43	1.59	T	0	0	.01	1.70	10.65
1037-E	ARCADIA - ARBORETUM	.13	0	.04	.62	5.27	2.36	2.26	T	.41	0	T	2.22	13.31
1038	MT. PACIFICO	.37	0	.01	.64	4.14	2.48	2.23	0	.82	0	.19	2.18	13.06
1039B	LOS ANGELES - MAC QUEEN	T	0	0	.70	3.39	4.15*	1.98	0	.05	0	0	.94**	11.21**
1040	POTRERO CANYON - SUNRAY OIL	0	0	0	1.36	2.38	2.88	1.91	0	.34	0	.02	.50	9.39
1041B	SANTA FE DAM	.08	0	.06	.46	3.82	2.39	1.91	0	.11	0	0	2.15	10.98
1042	EASTFIELD GATE - ROLLING HILLS	0	.08	.04	.48	6.20	2.63	1.85	.02	.41	0	0	2.44	14.15
1043	EAST CREST GATE - ROLLING HILLS	0	.07	.11	.48	5.54	2.56	1.68	.04	.44	0	0	2.05	12.97
1044	PORTUGUESE BEND	0	.02	.01	.26	4.10	1.85	1.16	.02	.26	0	0	1.72	9.40
1046B	BIG SANTA ANITA - CHANTRY FLAT	.33	.02	.02	.70	8.19	2.83	3.16	.13	1.02	0	0	2.64	19.04
1048B	LA CRESCENTA - COUNTY ROAD DEPARTMENT	.16	T	0	.66	6.20	2.57	2.69	.04	.54	0	T	1.51	14.37
1050	OLD TOPANGA CANYON - GRAY	.21	T	0	.73	6.63	4.45	2.17	.22	.30	0	.48	1.77	16.96
1051B	CANOGA PARK - PIERCE COLLEGE	.17	T	.01	.53	4.10	2.83	1.28	0	0	0	T	.53	9.45
1052	CAMP JOSEPHO	.55	.04	T	.93	5.73	3.96	2.25	.03	.62	0	.31	1.08	15.50
1053	TUJUNGA CANYON - SOLOMON	0	.02	0	.57	4.92	3.53	2.05	0	.63	0	0	1.25	12.97
1054	VETERAN'S HOSPITAL - SAN FERNANDO	.30	.05	0	.86	3.82	3.21	3.16	0	.94	0	0	1.35	13.69
1055B	MT. BALDY NOTCH	.22	T	T	1.32	7.00	4.20	2.96	0	.25	0	.10	6.91	22.96
1057B	WHITTIER NARROWS - ABOVE DAM	.04	.01	.02	.48	4.43	2.41	1.91	T	.17	0	.02	2.03	11.52
1058B	PALMDALE	0	0	0	0	.62	1.03	.83	0	0	0	0	1.70	4.18
1059B	SOUTH HAWKINS	.81	.05	.02	1.12	6.25	2.44	3.24	0	.56	0	T	4.86	19.35
1060	LITTLE ROCK - SYCAMORE CAMP	.48	0	.02	.52	2.84	1.73	1.56	0	.51	0	.42	2.51	10.59
1062	BUCKHORN FLAT	.69	.02	.01	1.03	6.87	2.17	3.08	0	.52	0	.08	6.18	20.65
1063	SOLEDAD PASS	.17	0	.04	.08	1.69	1.19	1.20	0	.28	0	.05	1.59	6.29
1064B	SAN GABRIEL EAST FORK - DOT MINE	.10	0	0	.89	6.04	2.36	2.63	T	.16	0	T	2.47	14.65
1066B	LONG BEACH - LEES STREET	T	T	T	.25	4.88*	2.33*	1.29*	0	.43*	0	0	1.77*	10.95*
1067	SANTIAGO CANYON	.31	0	.02	.27	3.62	2.71	2.09	0	.77	0	.56	2.60	12.95
1068	RATTLESNAKE CANYON - CAMP #3	.40	.03	.19	.91	5.03	4.04	2.34	.78	.70	0	.52	1.37	16.31
1069	SAN GABRIEL - EAST FORK TUNNEL	.08	0	0	.74	5.04	1.97	2.19	T	.13	0	T	3.88	14.03
1070	MANHATTAN BEACH	.37	.04	0	.41	5.29	2.14	1.62	.02	.16	0	0	1.49	11.54
1071B-E	DESCANSO GARDENS	.08	.01	0	.62	5.82	2.69	2.34	.05	.61	0	0	1.53	13.75
1072	LITTLE TUJUNGA RANGER STATION	.08	.02	0	.50	4.10	2.22	1.29	.04	.44	0	0	1.06	9.75
1073B	PALMDALE - CIRCLE C	.07	0	.01	.03	1.15	.97	1.00	0	.16	0	.06	1.57	5.02
1074	LITTLE GLEASON	.30*	0	0	1.27	4.51	1.59	1.66*	0	.80*	0	.50	2.83*	13.46*
1075	UPPER WOLFSKILL CANYON	.22	.02	.17	2.04	7.68	2.52	2.91	.04	.90	0	0	3.51	20.01
1076	HIDDEN SPRINGS	T	0	0	.65	5.97	2.35*	2.82	0	.24	0	.04	2.55	14.62**
1077B	MONROVIA - 5 POINTS	.25	.01	.11	.64	6.84	2.54	2.64	0	.71	0	0	2.70	16.44
1078	COVINA - GRIFFITH	.13	.02	.16	.46	4.02	2.29	2.25	0	.08	0	.06	2.69	12.16
1079	RUBIO DEBRIS BASIN	.35	0	.03	.81	5.96	2.58	2.74*	.07	1.36	0	0	1.95	15.85*
1080B	BRADBURY DEBRIS BASIN	.36	0	.12	1.10	5.48	2.88	2.43	.02	.58	0	0	2.66	15.63
1081	DEER DEBRIS BASIN	0	0	0	.42	5.47	2.86	2.24	0	.64	0	0	1.87	13.50
1082	DUNSMUIR DEBRIS BASIN	.22	.09	0	.65	7.78	3.22*	2.72	.08	1.14	0	0	1.22	17.12**
1083	MADDOCK DEBRIS BASIN	.25	0	.11	1.02	5.51	2.66	2.57	0	.81	0	0	2.84	15.77
1085	MC CLURE DEBRIS BASIN	.02	0	0	.28	4.67	2.64	1.50	0	.39	0	0	.89	10.39
1086	TURNBULL DEBRIS BASIN	.03	0	0	.03	4.75	2.38	1.41	0	.14	0	0	1.93	10.67
1087-E	GREEN VERDUGO PUMP PLANT	.07	T	0	.16	4.67	2.72	1.95	.03	.41	0	T	.88	10.89
1088B	LA HABRA HEIGHTS MUTUAL WATER CO.	0	0	0	.38	4.82	2.41	1.42	0	0	0	T	2.37	11.40
1089D	TOPANGA CANYON OUTLET	.44	.03	0	.68	4.64	3.22	1.95	.08	.31	0	.59	1.17	13.11
1090	LOS ALAMITOS	.33	0	0	0	4.24	2.50	1.38	0	.43	0	0	1.53	10.41
1091	CYPRESS	.02	0	0	.09	4.88	1.14	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1092	BUENA PARK	.04	0	0	.11	4.04	1.84	1.35	0	.31	0	.05	2.01	9.75
1093-E	FULLERTON AIRPORT	.06	.02	T	.02	4.77	2.11	1.41	0	.23	0	.06	2.21	10.89
1094	BREA	.16	.03	0	1.04	3.55	2.00	2.05	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1095	ORANGE COUNTY RESERVOIR	.10	.01	0	.43	4.94	2.07	1.63	0	.02	0	.04	1.88	11.12

SUMMARY OF MONTHLY RAINFALL IN INCHES

SEASON 1962-63

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT.	SEAS. TOTAL
1096	LA VIDA SPRINGS	N.R.	N.R.	N.R.	N.R.	INC.	INC.	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1099	WHITTIER - CATE	.04	.01	.02	.42	4.17	2.44	1.77	0	.20	0	T	1.67	10.74
1102B	BOBCAT CANYON - SAN GABRIEL WEST FORK	.50*	0	.03*	.87*	6.23*	3.47*	2.55*	0	.71*	0	0	4.41*	18.77*
1104	BOUQUET CANYON - TEXAS CANYON	.46	0	0	.53	2.05	1.91	2.28	0	0	0	0	1.62	8.85
1105B	FAIRMONT	0	0	0	0	1.83	2.08	.90	0	.54	0	.21	1.83	7.39
1106	ANTELOPE VALLEY FIELD STATION	.03	0	.04	T	.98	1.22	.89	.02	.31	0	.04	1.90	5.43
1107D	LA TUNA CANYON	.03*	0	0	.54	4.49	2.42	1.63	0	.51	0	0	.99	10.61**
1108	ANAVERDE - PLATT	0	0	.05	0	1.75	1.50	1.52	0	.17*	0	.12*	1.96	7.07**
1109	MT. BALDY	.23	0	0	1.38	7.33	4.40	3.10	0	.26	0	.10	7.23	24.03
1110	SCHOLL DEBRIS BASIN	.05	0	0	.23	4.65	2.12	1.97	0	.65	0	0	1.23	10.90
1112	BEAR CANYON - SAN GABRIEL WEST FORK	.29	0	.02	.84	5.57	2.15	2.58	.01	.72	0	0	4.79	16.97
1113	DOMINGUEZ WATER CO.	0	.01*	0	.24	5.65	2.55	1.22	0	.38	0	0	1.69	11.74**
1114	WHITTIER NARROWS DAM	.04	0	0	.39	3.59	2.04	1.56	0	.37	0	0	1.42	9.41
1115	SAN ANTONIO DAM	.21	0	.08	2.05	5.45	2.30	2.48	0	.24	0	0	3.04	15.85
1116	LONG BEACH - SAN ANSELINE	.01	T	.03	.24	5.28	2.79	1.16	0	.56	0	0	1.60	11.67
1117	PINE CANYON GUARD STATION	.18	0	0	.33	1.78	2.63	2.36	.10	.64	0	.16	2.31	10.49
1118	LAKEWOOD	T	T	T	.24	3.90	2.67	1.38	0	.45	0	0	1.51*	10.15*
1119	ATMORE MEADOW	.06*	0	0	.40	4.68	2.80	2.89	.05	.39	0	.23	1.97	13.47**
1120	DAWSON SADDLE	.25	0	0	1.02*	5.05	2.59	2.83	0	.26	0	0	5.68	17.68**
1121B	BARLEY FLAT	.35	0	0	1.25	7.70	6.00	2.50**	T	.33	0	T	4.27	22.40**
1122	COOKS DEBRIS BASIN	.06	.07	0	.50	5.69	3.11	2.99	.05	.97	0	0	1.04	14.48
1123	CIMA MESA - FARVUE RANCH	.45	T	.06	.21	1.96	1.84	1.21	0	.46	0	.17	1.64	8.00
1124B	RED BOX GAP	.32	0	T	1.47	8.73	3.91	2.59	0	0	0	0	3.15	20.17
1125	LA PUENTE	.07	0	.06	.06	4.85	2.24	2.18	0	.10	0	.09	1.92	11.57
1126	L.A.W.D. - EAST VALLEY	.09	T	0	.02	4.20	2.55	1.55	.02	.22	0	0	.75	9.40
1127	WEST BURBANK	.05	0	0	.31	4.54	3.35	1.72	0	.22	0	0	.95	11.14
1128	WRIGHTWOOD FIRE STATION	.69	0	.09	.59	2.64	3.17	1.67	0	.06	0	.67	4.83	14.41
1129	NICHOLAS CANYON	.33	.05	.08	.57	4.64	1.75	1.44	.30	.30	0	.27	.52	10.25
1130	PUZZLE SPRINGS RANCH	.36	T	.12	.05	2.00	1.50	.82	0	.30	0	.13	3.14	8.42
1131B	CHARTER OAK - JACKSON	.19	T	.15	.65	4.30	2.53	2.01	0	.06	0	.05	2.78	12.72
1132	OAK FLAT GUARD STATION	.16	.02	0	.62	4.40	1.61	2.65	0	0	0	T	2.25	11.71
1133	FISH CANYON	.59	0	0	1.82	9.86	3.03	3.15	.01	.35	0	0	4.03	22.84
1135B	LUNADA BAY	.02	T	.01	.62	4.54	1.75	1.01	.04	.13	0	0	1.59	9.71
1136	DUARTE FIRE STATION	.27	T	.12	.87	4.98	2.31	2.63	0	.58	0	0	2.68	14.44
1137B	STOUGH PARK	.03	0	0	.42	5.08	2.03	1.84	.28	.42	0	.01	1.50	11.61
1138	MT. DISAPPOINTMENT	.57*	0	0	1.45	9.51	2.95	3.56	0	.50	0	0	4.07	22.61**
1139	PALOS VERDES HILLS - HIGHRIDGE	0	.05	.06	.49	6.64	2.58	1.76	.06	.34	0	0	1.96	13.94
1140	ROSEMEAD	.08	T	.02	.47	4.27	2.27	1.95	0	.36	0	.04	1.61	11.07
1141	BEE CANYON	.30	0	0	.36	1.97	1.67	2.17*	0	.54*	0	.05	1.24	8.30*
1142	SOLEDAD CANYON - BERMITE POWDER CO.	0	0	0	.84	2.96	2.62	1.57	0	.40	0	.03	1.29	9.71
1143	LITTLE TUJUNGA - ABOVE GOLD CREEK	.15*	.02*	0	.88	2.00	1.72	4.21	0	.49*	0	0	.94	10.41**
1144	SAN GABRIEL - NORTH FORK	.07	.05	0	.76	6.10	2.79	2.37	0	.33	0	0	3.75	16.22
1145	UPLAND	.09	.01	.22	1.66	5.20	2.13	2.20	0	.17	0	0	3.33	15.01
1146	SANTA ANITA CANYON - HELIPORT	.48	.01	0	1.09	9.39	3.09	3.48	.02	.67	0	0	2.75	20.98
1147	EL CABALLERO COUNTRY CLUB	.08*	0	0	.10	5.14	3.72	1.63	0	.23	0	.10	.67	11.67**
1148	SAN JOSE HILLS - GALSTER RANCH	.06	0	.05	.49	4.86	2.23	2.19	0	.11*	0	.09*	2.39	12.47**
1149	SUNLAND	.02	.02	T	.45	5.07	3.31	2.38	.02	.48	0	T	1.42	13.17
1150	LOPEZ CANYON GUARD STATION	.21	0	0	.60	4.46	2.58	1.71	.03*	.62*	0	0	1.02*	11.23*
1151	BRIGDEN RESERVOIR	.32	.02	.02	.53	5.88	2.52	2.25	.02	.64	0	T	1.91	14.11
1152	CLEAR CREEK R.S.	.25	.03	.01	1.23	7.28	3.03	3.41	.03	.52	0	0	2.47	18.26
1153	KRATKA SKI LIFT	.11	.01	0	1.36	6.01	2.20	2.90	0	.50*	0	.04*	6.40*	19.53*
1154	PALM ROCK RANCH	.14*	0	0	.05*	.68*	.80*	.63*	0	.30	0	.20	2.06	4.86*
1155	LAWNDALE	.07	.01	0	.38	5.22	2.90	1.37	0	.17	0	.06	1.71	11.89
1156	LOS ANGELES - TEMPLE AND FLOWER	.12*	T	T	T	4.19	3.35	1.96	0	.13	0	.02	1.44	11.21**
1157	SAN FERNANDO VALLEY STATE COLLEGE	.30	0	0	.73	3.40	2.63	1.30	0	.07	0	0	.72	9.15
1158	TORRANCE MUNICIPAL AIRPORT	.06	.03	.06	.42	6.04	2.34	1.47	.03	.19	0	0	1.95	12.59
1161	LA CRESCENTA - GREGG	.23*	.08*	.01*	.88*	6.27	2.93	3.30	.12	1.14	0	T	2.25	17.21**
X12C	WILSONA	.40	T	T	T	.77	.75	.27	0	.10	0	T	1.95	4.24
X15	HI VISTA - CARD	0	0	0	0	.05	.50	T	0	.30	0	0	2.15	3.00
X19	COOKS CANYON	.04	0	0	.47	6.07	2.00	2.20	T	1.15	0	T	1.61	13.54
X21B	DUNSMORE CANYON - UPPER	.18	0	0	.65	6.13	3.20	2.03	T	1.05	0	T	2.34*	15.58**
X22	ISLIP SADDLE	.66	0	0	1.22**	5.60	3.78	3.34	0	1.03	0	0	6.25	21.88**
X23	DORR CANYON	.59	0	0	.94*	4.41	3.45	2.82	0	.20	0	.23	6.97	19.61**
X24	GRASSY HOLLOW	.75	0	0	1.66*	2.34	1.74	1.81	0	.12	0	.14	4.24	12.80*
X25	BEAR GULCH	.81	0	0	1.25*	3.40	3.58	3.56	0	.18	0	.21	5.71	18.70**
X26	BLUE RIDGE	.84	0	0	1.50*	2.82	3.27	2.12	0	.16	0	.19	5.03	15.93**
X27	GUFFY'S CAMP	.59	0	0	1.48*	3.71	2.76	3.50	0	.18	0	.22	5.54	17.98**
X28B	HOLIDAY HILL	.61	0	0	.47*	3.10	2.52	2.35	0	.17*	0	.20	5.46	14.88**
X29	PINE MT.	.36	0	0	1.47	8.55	2.63	2.73	.01	0	0	.30	3.49	19.54
X32	HAY DEBRIS BASIN	.30	0	.03	.42	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
X33	EAGLE DEBRIS BASIN	.10	.06	0	.53	5.92	2.46	2.97*	.06	.93	0	0	1.68	14.71**

LEGEND

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

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

TABLE VII

RAIN GAGE STATION LOCATION

SEASON 1961-62

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. °	'	"	WEST LONG. °	'	"	OBSERVER	LOCATION
2B	SA	22-25	1050	34	02	55	118	46	25	DAVID HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY, SANTA MONICA MTS.
3B	S	34-09	975	34	06	20	118	47	29	V.M. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL, SANTA MONICA MTS.
5B	S	35-64	924	34	09	24	118	38	14	TOM FARMER	4803 EL CANON AVENUE, CALABASAS
6	SA	24-01	745	34	05	03	118	35	57	FIRE STATION PERSONNEL	SOUTH OF TOPANGA POST OFFICE, 401 S. TOPANGA BOULEVARD, SANTA MONICA MTS.
9B	SP	48-36	828	34	13	52	118	28	04	NURSERY PERSONNEL	8845 SEPULVEDA BOULEVARD, SEPULVEDA
10	SA	25-51	540	34	05	11	118	26	45	MIKE MC NALLY	701 STONE CANYON ROAD, WEST LOS ANGELES, BEL AIR HOTEL
11C	SP A	37-87	867	34	07	14	118	24	38	L.A.W.D. PERSONNEL	UPPER FRANKLIN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD, SANTA MONICA MTS.
12	S	37-97	1100	34	07	45	118	24	20	S.H. WALTMAN	12601 MULHOLLAND DRIVE AT FRANKLIN CANYON, SANTA MONICA MTS.
13B	S	38-34	593	34	09	23	118	21	56	KATIE BLIX	10834 WEST BLIX STREET, NORTH HOLLYWOOD
14B	SP	49-46	1100	34	14	19	118	21	33	E.S. MERRILL	10459 TUXFORD STREET, SUN VALLEY, VERDUGO MTS.
15B	SA	37-42	695	34	10	42	118	27	28	R.F. RIEDER	14391 W. CALIFA STREET, VAN NUYS
17	S	37-06	1425	34	07	51	118	29	26	L.A.F.D. PERSONNEL	16500 MULHOLLAND DRIVE, WEST OF SEPULVEDA CANYON, SANTA MONICA MTS.
20B	S	35-84	986	34	09	07	118	36	36	L.A.W.D. PERSONNEL	GIRARD RESERVOIR, NEAR TOPANGA CANYON BOULEVARD AND VENTURA BOULEVARD
21	S	36-02	891	34	10	16	118	35	56	MRS. H. BAYLY	5545 CANOGA AVENUE, WOODLAND HILLS
23-E	SP AP	46-87	865	34	13	34	118	36	58	L.A.W.D. HYDROGRAPHER	EAST END CHATSWORTH RESERVOIR, WEST END SAN FERNANDO VALLEY
24D	S	46-94	957	34	15	23	118	36	19	L. BATWAY	10202 TOPANGA CANYON BOULEVARD, CHATSWORTH
25B	S	47-57	795	34	13	43	118	32	53	MRS. T.G. ANDREWS	19055 WEST PARTHENIA STREET, NORTHRIDGE
27B	S	48-55	902	34	14	57	118	26	40	GLEN C. RADDATZ	14333 VAN NUYS BOULEVARD, PACOIMA
28F	SP	48-32	977	34	16	40	118	28	06	CHARLES MAULE	SEPULVEDA BOULEVARD AND RINALDI STREET, SAN FERNANDO
29B	S	47-81	1150	34	16	58	118	30	46	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D. GRANADA PUMP PLANT, SANTA SUSANA MTS.
30B	SP	59-28	1250	34	18	37	118	28	15	MIKE FUSANO	13143 SAN FERNANDO ROAD, SYLMAR
31	S	58-27	2850	34	19	28	118	34	14	W.J. WILLETT	ORCUTT RANCH, SANTA SUSANA MOUNTAINS AT HEAD OF RICE CANYON
32	S	58-61	1243	34	23	07	118	31	54	L.A. CO. F. & F.W. PERSONNEL	24875 SAN FERNANDO ROAD, NEWHALL
33A'-E	SA	60-07	1500	34	19	48	118	23	59	EDWARD K. BARR	BELOW PACOIMA DAM AT CARETAKER'S HOUSE, SAN GABRIEL MTS.
39B	8.81	50-19	1610	34	12	18	118	17	05	L.A.C.F.C.D. PERSONNEL	SUNSET DAM, VERDUGO MTS., NORTH OF BURBANK
42B	8.81	7-16	90	33	50	23	118	23	22	F.M. ARNOLD	219 SOUTH PACIFIC AVENUE, REDONDO BEACH
43D	S	2-00	216	33	47	58	118	23	29	GEORGE TALLY	340 PALOS VERDES DRIVE WEST, PALOS VERDES ESTATES
44B	S	1-95	150	33	44	33	118	24	31	G.W. TAYLOR	NORTHWEST OF POINT VICENTE LIGHTHOUSE, SOUTHWEST OF PALOS VERDES DRIVE WEST
46D-E	SA	51-10	2315	34	17	40	118	11	14	WILLIAM L. CROKE	BIG TUJUNGA DAM, WEST OF SPILLWAY, SAN GABRIEL MTS.
47D	SA	51-22	3150	34	16	38	118	10	12	BOB AMBROSE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON, SAN GABRIEL MTS.
48B	S	51-15	2175	34	14	37	118	11	07	U.S.F.S. PERSONNEL	OAK WILDE - ARROYO SECO, SAN GABRIEL MTS.
50B	S	40-10	1155	34	11	52	118	11	05	L.A. CO. F. & F.W. PERSONNEL	312 W. GEORGIAN ROAD, PASADENA
51	S	65-69	4010	34	18	06	117	50	20	B.J. BIERKE	FALLING SPRINGS RESORT, SAN GABRIEL - NORTH FORK, SAN GABRIEL MTS.
52C	SA	51-53	3300	34	15	58	118	08	37	U.S.F.S. PERSONNEL	WATERMAN GUARD STATION - ARROYO SECO, SAN GABRIEL MOUNTAINS
53D	SA	62-89	3620	34	18	05	118	06	39	ROBERT L. CHANDLER SR.	COLBY'S-COLDWATER CANYON ABOVE BIG TUJUNGA CANYON, SAN GABRIEL MTS.
54C	SP A	63-55	4300	34	20	55	118	02	54	E.T. HENSLEY	ALDER CREEK ABOVE BIG TUJUNGA CANYON, SAN GABRIEL MTS.
57B-E	SP A	52-04	4250	34	15	18	118	05	41	FRANK X. BENTON	WEST FORK SAN GABRIEL RIVER, OPID'S (CAMP HI HILL), SAN GABRIEL MTS.
58	S	52-67	3275	34	13	21	118	02	01	LOUIS LUEBKERT	STURTEVANT CAMP, BIG SANTA ANITA CANYON, SAN GABRIEL MTS.
60A	S AP	52-69	2600	34	12	32	118	01	59	LOUIS LUEBKERT	WINTER CREEK WEST OF SANTA ANITA CANYON, SAN GABRIEL MTS.
63B-E	SA	41-81	1400	34	11	03	118	01	09	ROBERT E. SANDERS	SANTA ANITA DAM, AT SANTA ANITA CANYON, SAN GABRIEL MTS.
66	S	41-54	658	34	09	27	118	02	36	RICHARD LAWYER	415 ORANGE GROVE AVENUE, SIERRA MADRE
67F	4½"P	41-95	560	34	08	57	118	00	04	G. DAUGHERTY	119 WEST PALM AVENUE, MONROVIA
68B	SA	42-12	1378	34	10	34	117	59	14	BUFORD E. ROBB	SAWPIT DAM, SAWPIT CANYON, SAN GABRIEL MTS.
70D	SA	42-93	770	34	09	46	117	54	15	JAMES R. RITTENHOUSE	MOUTH OF SAN GABRIEL CANYON, ABOVE ROGER'S (ROBERT'S) CANYON
73	S	43-54	1165	34	09	22	117	50	57	T. G. KENNARD	MOUTH OF ENGLEWILDE CANYON, GLENDORA
76B	S	54-57	1500	34	13	33	117	50	48	E.K. DE VORE	SAN GABRIEL DAM, SAN GABRIEL CANYON, SAN GABRIEL MTS.
80B	ST	67-06	5640	34	20	20	117	41	30	L.A.C.F.C.D. PERSONNEL	PRAIRIE FORK, 2.5 MILES UPSTREAM FROM VINCENT GULCH, SAN GABRIEL MTS.
81B	ST	66-42	6590	34	22	26	117	45	05	L.A.C.F.C.D. PERSONNEL	ANGELES CREST HIGHWAY, AT VINCENT GAP, SAN GABRIEL MTS.
82D	S	67-11	7430	34	22	53	117	41	05	C.F. CAPEN	TOP OF TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK, SAN GABRIEL MTS.
83B	SA	67-12	6860	34	22	44	117	41	20	U.S.F.S. PERSONNEL	BIG PINES RECREATION PARK, ANGELES CREST HIGHWAY, SAN GABRIEL MTS.
85G	SA	56-46	4275	34	14	12	117	39	32	U.S.F.S. PERSONNEL	U.S.F.S. GUARD STATION, SAN ANTONIO CANYON, SAN GABRIEL MTS.
87B	AP	44-33	1485	34	10	04	117	46	02	U.S.F.S. PERSONNEL	9292 NORTH MAINFORK, SAN DIMAS CANYON, SAN GABRIEL MTS.
89B-E	SA	44-24	1350	34	09	10	117	46	17	JAMES E. REVIS	SAN DIMAS CANYON, BELOW SAN DIMAS DAM
90	S	44-45	1680	34	09	00	117	45	32	HAROLD GEHRE	6025 BRYDON ROAD, LA VERNE
91	S	44-87	1403	34	07	22	117	43	11	TOM ALLEN	2945 INDIANHILL BOULEVARD, CLAREMONT
92	SA	32-90	1185	34	05	48	117	42	33	DR. PAUL ROUTLY	POMONA COLLEGE AT BRACKETT OBSERVATORY, CLAREMONT
93B	8.81	32-80	1180	34	05	45	117	42	57	C. MORGAN AND G. HAMBLIN	215 WEST SECOND STREET, CLAREMONT
95	S	43-99	955	34	06	26	117	48	19	L.A. CO. F. & F.W. PERSONNEL	114 EAST FIRST STREET, SAN DIMAS
96B-E	SA	31-90	1030	34	05	30	117	48	22	GEORGE H. SHEPHERD, JR.	PUDDINGSTONE DAM AT CARETAKER'S HOUSE, SAN JOSE HILLS
99B	S	43-06	615	34	07	57	117	53	32	C.A. MEYER	18352 EAST FOOTHILL BOULEVARD, AZUSA
101C	S	30-43	355	34	03	54	117	57	07	MRS. WILLIAM J. KELLER	1300 SUNKIST AVENUE, WEST COVINA
102C	S	31-29	488	34	00	12	117	52	14	L.A. CO. F. & F.W. PERSONNEL	19711 EAST VALLEY BOULEVARD, WALNUT
104	S	30-09	575	34	00	26	117	59	42	JOHN THOMAS	14570 EAST ORANGE GROVE AVENUE, LA PUENTE
106D	S	16-32	320	33	58	27	118	01	58	K.R. WARREN	333 EAST PENN STREET, WHITTIER
107C	8.81	15-66	130	33	56	18	118	08	03	FIRE DEPARTMENT PERSONNEL	11435 SOUTH DOWNEY AVENUE, DOWNEY
108C	SA	29-52	275	34	04	30	118	02	30	FIRE DEPARTMENT PERSONNEL	119 SOUTH HOYT AVENUE, EL MONTE
109D	S	41-27	547	34	07	42	118	04	22	L.A. CO. F. & F.W. PERSONNEL	7225 NORTH ROSEMEAD BOULEVARD, SAN GABRIEL
110B	S	40-69	533	34	06	05	118	07	52	L.E. MOELLER	SOUTHWEST CORNER OF GARFIELD AND MC LEAN AVENUES, ALHAMBRA
111	SP	40-48	690	34	06	58	118	09	05	D.D. SKINNER	1414 MISSION STREET, SOUTH PASADENA
116D	SA	13-43	135	33	57	54	118	21	15	FIRE STATION PERSONNEL	11 REGENT STREET, INGLEWOOD
117F	S	8-70	78	33	53	42	118	13	34	FIRE STATION PERSONNEL	201 SOUTH ACACIA STREET, COMPTON
118C	S	3-40	40	33	47	27	118	15	30	HAROLD M. EDWARD	401 EAST M STREET, WILMINGTON
119D	S	25-44	355	34	03	19	118	27	22	JERRY WASHINGTON	NATIONAL MILITARY HOME, WILSHIRE BOULEVARD AND SEPULVEDA BOULEVARD, SAWTELLE
120	S	74-51	3135	34	29	17	118	08	27	L.A. CO. F. & F.W. PERSONNEL	1533 SIERRA HIGHWAY, VINCENT
122F	S	98-18	3200	34	37	12	118	17	08	RALPH RITTER	8755 CALVA STREET, PALMDALE, NORTH OF AMARGOSA CREEK
124B-E	AP	84-31	3050	34	35	14	118	21	45	L.A.W.D. CARETAKER	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD, ABOVE BOUQUET RESERVOIR
125B	SP	83-40	2105	34	35	25	118	27	15	POWER HOUSE OPERATOR	POWER PLANT NO. 1, UPPER SAN FRANCISQUITO CANYON, SIERRA PELONA
126B	S	12-40	55	33	59	32	118	27	39	L.A.F.D. PERSONNEL	FIRE STATION, 1930 SHELL AVENUE, VENICE
127B-E	SP	70-71	1511	34	28	55	118	31	32	EDWARD FIELDS	DRY CANYON DAM, 2 MILES ABOVE SAN FRANCISQUITO CANYON ROAD, NORTH OF SAUGUS
128B	SA	95-39	2075	34	36	28	118	33	40	E.E. STUDLEY	ELIZABETH LAKE CANYON AT WARM SPRINGS CAMP, 38200 N. LAKE HUGHES ROAD, CASTAIC
130B	S	106-85	4025	34	44	37	118	42	43	PHILLIP B. GOODELL	47376 OLD RIDGE ROUTE, SANDBERG, LIEBRE MOUNTAIN
134	S	44-07	1110	34	07	39	117	47	42	A.L. STEVENS	NORTH OF FOOTHILL BOULEVARD, WEST OF SAN DIMAS CANYON ROAD, SAN DIMAS
135	S	10-30	85	33	53	52	118	04	00	C.J. HARGITT	12450 MAPLEDALE STREET, NORWALK
136B	S	26-70	305	34	05	28	118	19	30	L.A. CITY PERSONNEL	6223 SANTA MONICA BOULEVARD, HOLLYWOOD
139B	SP AP	27-54	450	34	03	09	118	14	46	W.A. WILDE	316 WEST SECOND STREET, LOS ANGELES
140C	AP	25-55	250	34	02	43	118	26	55	L.A. CITY PERSONNEL	1600 SOUTH CORINTH AVENUE, WEST LOS ANGELES
143B	S	42-96	610	34	08	03	117	54	17	ARTHUR H. BROWN	CITY HALL, 213 E. FOOTHILL BOULEVARD, AZUSA
144	S	41-52	1100	34	10	34	118	02	32	CHARLES ASKEW	BELOW SIERRA MADRE DAM, SIERRA MADRE CANYON, NORTH OF SIERRA MADRE
155B	S	87-79	3020	34	30	20	118	01	40	MYRTLE BRESLIN	BELOW LITTLE ROCK DAM, 34270 CHESEBORO ROAD, PALMDALE
156	SA	10-81	86	33	53	13	118	00	56	LYNN EDWARD	14758 ALONDRA BOULEVARD, LA MIRADA
157B	S AP	12-88	150	33	54	57	118	25	05	DON MORGAN	STANDARD OIL REFINERY, EL SEGUNDO BOULEVARD AND CONCORD STREET, EL SEGUNDO
158	SP AP	55-49	2750	34	12	20	117	45	40	U.S.F.S. PERSONNEL	TANBARK FLATS, WEST FORK SAN DIMAS CANYON, SAN GABRIEL MTS.
167B	S	41-64	611	34	09	31	118	02	01	EARL C. PULSIFER	67 WEST ORANGE GROVE AVENUE, ARCADIA
169-E	SP	41-63	700	34	09	47	118	02	21	CHARLES ASKEW	621 EAST SIERRA MADRE BOULEVARD, SIERRA MADRE
170C	S	29-15	285	34	02	35	118	04	50	K.P. TATUM	1140 NORTH WALNUT GROVE AVENUE, SOUTH SAN GABRIEL
171B	S	41-35	625	34	08	45	118	04	03	W.E. COMERFORD	SOUTH OF COLORADO AT 75 SOUTH MICHILLINDA AVENUE, PASADENA
172B	S	42-35	548	34	08	26	117	58	02	W.B. BENGEL	1101 SOUTH OAK STREET, DUARTE
174	SP	43-86	960	34	07	57	117	49	09	L.A. WARREN	2305 EAST ALOSTA AVENUE, GLENDORA
175B	S	50-87	2020	34	13	39	118	12	40	LA CANADA IRRIG. DIST. PERSONNEL	1443 FOOTHILL BOULEVARD, LA CANADA
176	SP	40-61	1125	34	10	55	118	08	15	MAXINE LONG	583 SACRAMENTO STREET, ALTADENA
177F	S	51-09	1260	34	12	14	118	11	40	J.P. AP ROBERTS	4603 ORANGE KNOLL, LA CANADA
178C	SA	43-18	620	34	06	38	117	52	50	ROY SULLIVAN	5402 BEN LOMOND AVENUE, GLENDORA
179G	SA	41-32	1180	34	10	25	118	03	38	L.A.C.F.C.D. PERSONNEL	BAILEY CANYON ABOVE DEBRIS DAM, SIERRA MADRE
181B	S	29-94	293	34	03	09	118	00	04	R.S. CLIFFORD	13010 EAST VALLEY BOULEVARD, LA PUENTE
185	S	43-46	822	34	08	23	117	51	33	MRS. L.M. WEST	460 EAST BENNETT STREET, GLENDORA

RAIN GAGE STATION LOCATION

SEASON 1961-62

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. °	'	"	WEST LONG. °	'	"	OBSERVER	LOCATION
191B	SA	28-03	400	34	03	46	118	11	54	L.A.C.F.C.D. PERSONNEL	2250 ALCAZAR STREET, LOS ANGELES
192C	8.81	15-12	145	33	58	45	118	11	16	CHIEF J.H. CARROLL	6320 PINE AVENUE, BELL
193B	S	31-21	580	34	04	57	117	52	29	W.B. TEMPLE	19248 PUENTE STREET, COVINA
196B	8.81	44-29	1050	34	06	03	117	46	12	J.G. HENDRICKS	2061 THIRD STREET, LA VERNE
198B	8.81	39-21	890	34	11	04	118	16	32	L.A.C.F.C.D. PERSONNEL	BRAND CANYON AT BRAND DEBRIS BASIN, VERDUGO MOUNTAINS, GLENDALE
199C	S	14-92	147	33	58	33	118	12	25	WILL LOUGH	6900 BISSELL STREET, HUNTINGTON PARK
200	S	70-27	1096	34	25	21	118	34	26	J.W. BECK	SOUTHERN CALIFORNIA EDISON COMPANY SUBSTATION 2.5 MILES WEST OF SAUGUS
201B	SA	17-00	840	33	59	40	117	59	31	DR. E.B. MC GREGOR	14765 HOLLYTREE ROAD, HACIENDA HEIGHTS
208B	S	10-13	52	33	51	48	118	04	58	L.A. CO. F. & F.W. PERSONNEL	18641 SOUTH CORBY AVENUE, ARTESIA
210B	S AP	39-21	1250	34	11	18	118	16	20	L.A.C.F.C.D. PERSONNEL	BRAND PARK, VERDUGO MOUNTAINS, GLENDALE
213D	SA	26-43	175	34	03	50	118	21	29	L.A.C.F.C.D. PERSONNEL	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215F	S	9-72	68	33	52	44	118	07	31	RALPH MC CLURG	9735 PARK STREET, BELLFLOWER
216	SP	39-43	615	34	09	54	118	15	01	J.E. JONES	318 EAST RANDOLPH STREET, GLENDALE
219	S	48-94	955	34	15	21	118	24	24	L.A. CO. F. & F.W. PERSONNEL	12605 OSBORNE AVENUE, PACOIMA
222C	SP	38-10	717	34	11	39	118	23	17	L.A. CITY W.D. PERSONNEL	11803 VAN OWEN STREET, NORTH HOLLYWOOD
223B-E	SA	43-83	1575	34	10	06	117	48	36	GERALD M. THRASHER	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	180	33	46	06	118	11	28	R.A. BIXBY	FIRST STREET AND PINE AVENUE, LONG BEACH
225	S	9-85	47	33	50	35	118	07	09	E.W. SMEATON	MONTANA RANCH, 5812 EAST ARBOR ROAD, LAKEWOOD
226B	S	38-91	680	34	10	58	118	18	23	CHIEF W.J. TAYLOR	353 EAST OLIVE STREET, BURBANK
227D	S	40-99	472	34	06	18	118	06	32	A.E. BRUINGTON	636 WEST HERMOSA DRIVE, SAN GABRIEL
228B	S AP	26-02	290	34	04	27	118	23	57	F.E. POWER	CITY HALL, 450 NORTH CRESCENT DRIVE, BEVERLY HILLS
230D	SP	44-68	1250	34	06	42	117	43	54	C.F. ELDER	899 MARYHURST DRIVE, CLAREMONT
235B	SP A	41-10	2550	34	11	36	118	05	18	L.A. CO. F. & F.W. PERSONNEL	HENNIGER FLATS NEAR MT. WILSON TOLL ROAD
237C-E	SP	37-49	865	34	06	21	118	27	13	L.A.W.D. PERSONNEL	1680 STONE CANYON ROAD, STONE CANYON RESERVOIR
238	SP	38-68	750	34	07	04	118	19	55	L.A.W.D. PERSONNEL	HOLLYWOOD DAM, SANTA MONICA MOUNTAINS
241B	3"P	4-03	68	33	46	10	118	11	37	CITY OF LONG BEACH PERSONNEL	VETERAN'S MEMORIAL BUILDING, LONG BEACH
246B	S	26-18	75	34	01	00	118	23	17	CITY OF CULVER CITY PERSONNEL	9815 JEFFERSON BOULEVARD, CULVER CITY
250D	SA	74-04	2550	34	27	02	118	11	55	JOHN V. HEDGECOCK	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34	13	31	118	14	29	LA CRESCENTA VALLEY WATER DIST.	2908½ FOOTHILL BOULEVARD, LA CRESCENTA
254B	S	30-69	380	34	00	12	117	56	19	JEAN E. WARD	16838 VALLEY BOULEVARD, LA PUENTE
255C	S	31-55	755	34	02	48	117	50	43	CLARK THOMAS	1100 NORTH SAN JOSE HILLS ROAD, WALNUT, MT. SAN ANTONIO COLLEGE
256B	S	32-44	876	34	03	17	117	45	02	SHARON NELSON	216 WEST FIFTH STREET, POMONA
257	S	39-17	850	34	07	18	118	17	04	JOHN M. JEFFERS	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY, LOS ANGELES
259C	SA	46-92	1254	34	16	39	118	36	13	L.A. CO. F. & F.W. PERSONNEL	21880 MAYAN DRIVE, TWIN LAKES PARK, CHATSWORTH
261B-E	SA	73-20	2910	34	29	31	118	16	30	J.C. FASSOLD	ESCONDIDO CANYON, NORTH BRANCH, 5.5 MILES NORTHWEST OF ACTON
263F	S	32-37	820	34	01	34	117	46	06	RICHARD RIVERA	2500 SOUTH GAREY AVENUE, POMONA
264B	S	59-81	1850	34	22	55	118	24	40	R.G. HANNUM	EAST OF SAND CANYON ROAD AND PLACERITA CANYON ROAD, JUNCTION, SAN GABRIEL MTS.
265D	S	17-74	645	33	57	08	117	55	26	P.J. WEISEL, JR.	1500 FULLERTON AVENUE, PUENTE HILLS
266C	SP	17-04	301	33	57	12	117	59	56	DAVID CEDERSTROM	15305 CARRETERA AVENUE, EAST WHITTIER
269C	SP AP	18-80	870	33	59	40	117	48	54	U.S. CORPS OF ENGINEERS PERSONNEL	DIAMOND BAR HORSE CAMP, BREA CANYON ROAD, PUENTE HILLS
270C	S	15-37	90	33	55	18	118	09	44	WILLIS S. MEYERS	7621 BONITA STREET, DOWNEY
272D	S	38-94	470	34	09	21	118	18	02	J.V. ELLERMAN	5201 CRYSTAL SPRINGS DRIVE, LOS ANGELES
273D	S	2-12	1240	33	46	30	118	22	58	ROY W. MC CARRELL	SAN PEDRO HILLS, NORTH OF CREST ROAD AT HIGHRIDGE
274B	SP	85-67	3490	34	31	31	118	13	58	MRS. GUY S. LEE	5701 SHANNON VALLEY ROAD, ACTON
275	3"P	40-87	670	34	07	41	118	06	40	DAVID BRUCE	1151 OXFORD ROAD, SAN MARINO
277	S	108-17	3700	34	43	15	118	35	00	JACK BARNELL	25202 WEST PINE CANYON ROAD, 8.7 MILES NORTHWEST OF LAKE HUGHES POST OFFICE
278B	S	26-86	203	34	02	00	118	18	46	FRANK ORDON	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS STREET, LOS ANGELES
280B	SA	40-01	1345	34	10	57	118	11	47	FIRE STATION PERSONNEL	1028 INVERNESS DRIVE, FLINTRIDGE FIRE STATION, FLINTRIDGE
283C	SA	65-58	5370	34	19	02	117	50	28	U.S.F.S. PERSONNEL	CRYSTAL LAKE, AT PINE FLAT NEAR U.S.F.S. STATION
284D	S	59-12	1485	34	22	37	118	28	43	SAM HURT	PLACERITA CANYON, EAST OF NEWHALL
285C	S	25-11	1025	34	05	10	118	28	57	MARTIN BULLINGER	12001 CHALON ROAD, SANTA MONICA MOUNTAINS, WEST LOS ANGELES
287	SP	43-36	782	34	08	22	117	51	54	O.J. HAMMER	224 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33	58	37	118	08	48	S.C.E. CO. PERSONNEL	6301 SOUTH GARFIELD AVENUE, BELL
290B	S	28-75	305	34	02	27	118	07	42	CHIEF H.C. MOORE	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
291	SA	14-45	121	33	56	56	118	15	17	W.G. HAWKINS	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292C	S	36-84	925	34	09	00	118	30	45	H. MC CAULAY	BELOW ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO, SANTA MONICA MOUNTAINS
293-E	SP	48-11	1150	34	17	18	118	28	54	C.W. CARNEY	VAN NORMAN LAKE, LOWER DAM, SAN FERNANDO
294B	SP	41-53	985	34	10	11	118	02	51	CHARLES ASKEW	MIRA MONTE AVENUE AND MT. WILSON ROAD, SIERRA MADRE
295G	S	39-34	530	34	09	07	118	15	40	R. STAPENHORST	409 WEST LEXINGTON AVENUE, GLENDALE
298B	S	105-61	3680	34	47	16	118	49	55	DEWEY RALPH	ONE MILE EAST OF GORMAN
299D	S	88-26	2805	34	32	07	117	58	27	MRS. LENA SCHWAB	8660 AVENUE T8, LITTLE ROCK
303F	SA	40-76	800	34	08	14	118	07	25	FRANCIS C. MC MICHAEL	1201 EAST CALIFORNIA STREET, PASADENA
304	SA	42-30	2725	34	11	38	117	57	52	BUFORD E. ROBB	DEER PARK, 1.5 MILES ABOVE SAWPIT DAM, SAN GABRIEL MOUNTAINS
306D	S	21-56	15	34	01	55	118	50	45	J. ASNER	TRANCAS BEACH, MALIBU
311b	SP AP	40-43	918	34	09	48	118	09	27	CRAIG AND OKUBO	1083 MENTONE STREET, PASADENA
312B	S	42-85	682	34	08	54	117	54	48	A.S. BLAIR	ONE MILE NORTHWEST OF AZUSA, 17015 SIERRA MADRE AVENUE, AZUSA
318B	S	66-70	6120	34	23	53	117	43	40	V.B. TAYLOR	NORTHWEST OF JACKSON LAKE, SAN GABRIEL MOUNTAINS
321-E	S	96-72	3286	34	40	24	118	25	45	L.A. CO. F. & F.W. PERSONNEL	17021 PINE CANYON ROAD BETWEEN ELIZABETH AND HUGHES LAKES
322	S	110-48	2600	34	42	50	118	21	15	E.S. MUNZ	12701 WEST LANCASTER ROAD, LANCASTER
334B-E	SA	53-45	2300	34	14	37	117	57	35	H.E. WILSON	COGSWELL DAM, WEST FORK, SAN GABRIEL CANYON, SAN GABRIEL MOUNTAINS
336-E	SP AP	39-39	455	34	06	08	118	15	54	L.A.W.D. CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	S	52-47	5675	34	13	32	118	03	21	T. CRAGG	50 FEET SOUTHWEST OF 60-INCH TELESCOPE, MT. WILSON, SAN GABRIEL MOUNTAINS
338B	SP A	52-37	5709	34	13	36	118	03	57	S. VIRGINIA STRICKLAND	POST OFFICE, MT. WILSON, SAN GABRIEL MOUNTAINS
339	SP	31-49	533	34	00	13	117	51	09	L.J. RICE	0.5 MILE SOUTHEAST OF WALNUT, 20651 EAST LYCOMING ROAD, WALNUT
341	S	74-44	2900	34	27	33	118	09	20	GEORGE J. BLUM	ALISO CANYON, EAST OF ACTON
342B	S	45-28	1508	34	07	08	117	40	45	J. HOLLAWAY	1526 NORTH BENSON STREET, UPLAND
347-E	S	30-30	386	34	05	36	117	57	40	L.A.C.F.C.D. PERSONNEL	SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
349C	S	54-46	1510	34	14	28	117	51	20	ROSS MC KAY	CAMP RINCON, WEST FORK, SAN GABRIEL CANYON, SAN GABRIEL MOUNTAINS
351D'	SP	86-81	2648	34	34	51	118	06	47	J. NICHOLS	816 AVENUE Q7, PALMDALE
352B	SA	21-22	1620	34	04	38	118	52	47	L.A. CO. F. & F.W. PERSONNEL	LECHUZA PATROL STATION 1832 SOUTH DECKER ROAD, MALIBU
355	S	27-01	335	34	05	19	118	17	34	C. THOMSON	855 NORTH VERMONT AVENUE, LOS ANGELES
356C	SA	31-95	690	34	02	31	117	48	35	R.S. HUTCHISON	STATE HOSPITAL, SOUTH OF POMONA BOULEVARD, SPADRA
357	SP AP	59-08	1248	34	18	49	118	29	30	L.A.W.D. PERSONNEL	POWER HOUSE NO. 3, VAN NORMAN LAKE, UPPER DAM, SAN FERNANDO
362B	SP	40-13	1120	34	09	48	118	10	53	STEPHEN KUN	1500 EAST EL MIRADOR DRIVE, PASADENA
363C	ST	59-44	3175	34	21	18	118	27	02	L.A.C.F.C.D. PERSONNEL	WILSON CANYON, SOUTH OF SANTA CLARA TRUCK TRAIL, SAN GABRIEL MOUNTAINS
364	S	50-23	2450	34	15	50	118	16	13	J.P. KINDRED	50 FEET EAST OF U.S.G.S. GAGING STATION, HAINES CANYON, SAN GABRIEL MOUNTAINS
365C	SP	50-63	5040	34	16	05	118	14	06	U.S.F.S. PERSONNEL	SOUTH SLOPE OF MT. LUKENS, SAN GABRIEL MOUNTAINS
367	SP A	50-42	3440	34	16	18	118	15	07	J.P. KINDRED	HEAD OF HAINES CANYON, ABOVE DIVERSION DAM, SAN GABRIEL MOUNTAINS
372	SP A	82-76	1580	34	32	02	118	31	27	CHIEF L.B. WIGGINS	SAN FRANCISQUITO CANYON, POWER HOUSE NO. 2, NORTHEAST OF SAUGUS
373B	SA	50-76	2225	34	14	17	118	13	27	R.T. SIENS	2202 SHIELDS AVENUE, LA CRESCENTA
375B	S	39-16	600	34	08	02	118	17	18	L.M. WENDT	GRIFFITH PARK ZOO, 4730 CRYSTAL SPRING DRIVE, LOS ANGELES
377F	SP	33-04	1040	34	09	00	118	53	59	WILLIAM D. FURGUSON	LAKE SHERWOOD, AT FIRE STATION, VENTURA COUNTY
379B	SA	54-96	1600	34	14	09	117	48	18	E.K. DE VORE	SAN GABRIEL CANYON - EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL MOUNTAINS
386C	S	21-71	1500	34	04	58	118	49	38	BARBARA OAKLEY	1.2 MILES SOUTHWEST OF BACKUS ROAD AND MULHOLLAND HIGHWAY, SANTA MONICA MTS.
387B	SP	31-01	508	34	05	02	117	53	57	FLORENCE JESSUP	227 SOUTH HOLLENBECK AVENUE, COVINA
388C	8.81	9-30	70	33	53	30	118	09	36	L.A. CO. F. & F.W. PERSONNEL	15538 SOUTH COLORADO AVENUE, PARAMOUNT
389B	SP	43-35	835	34	08	50	117	52	01	FRANK H. BROWN	229 WEST SIERRA MADRE AVENUE, GLENDORA
390B-E	SP	43-21	1210	34	10	53	117	52	43	DAVID S. BLACKHURST	MORRIS DAM, SAN GABRIEL CANYON, SAN GABRIEL MOUNTAINS
391B	8.81	28-98	215	34	00	40	118	06	15	CHIEF L.R. BEECH	140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34	07	06	118	10	39	MRS. ELIZABETH S. STEVENS	6425 ELGIN STREET, HIGHLAND PARK, LOS ANGELES
395B	S	59-57	1425	34	19	29	118	26	55	JOSEPH N. JARBOE	OLIVE VIEW SANITARIUM, FOOTHILL BOULEVARD AND COBALT AVENUE, SAN FERNANDO
402F	SA	65-24	6780	34	21	21	117	52	34	E.T. HENSLEY	CEDAR SPRING, 3 MILES WEST OF MT. ISLIP, SAN GABRIEL MOUNTAINS
405B	S	73-06	2150	34	26	23	118	17	33	FRED ECKLES	11.7 MILES EAST OF SOLEMINT ON SOLEDAD CANYON ROAD
406C	S	42-88	505	34	06	53	117	54	56	OLIVER ENGLER	17018 EAST GLADSTONE STREET, WEST AZUSA
407-E	S AP	58-82	1325	34	22	13	118	30	48	U.S.F.S. PERSONNEL	U.S.F.S. DISTRICT HEADQUARTERS, 23810 SAN FERNANDO ROAD, NEWHALL

RAIN GAGE STATION LOCATION

SEASON 1961-62

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
409	S	93-12	2505	34 40 34	118 46 47	W. PRICE	18 MILES NORTH OF CASTAIC JUNCTION ON EAST SIDE OF GOLDEN STATE HIGHWAY
415	SA	4-30	140	33 47 49	118 10 03	GEORGE I. OSBORNE	CITY HALL, 2175 CHERRY AVENUE, SIGNAL HILL
419B	ST	61-92	5420	34 22 36	118 12 23	L.A.C.F.C.D. PERSONNEL	PACOIMA CANYON ON SANTA CLARA RIDGE, WEST OF MT. GLEASON, SAN GABRIEL MTS.
420C	S	74-07	3000	34 25 41	118 11 52	C.C. BREVIDORO	3.3 MILES SOUTH OF ACTON ON MT. GLEASON TRUCK TRAIL
422F	S	60-35	2125	34 20 48	118 21 52	J.D. BISHOP	TWO MILES ABOVE PACOIMA DAM ON LITTLE TUJUNGA ROAD, SAN GABRIEL MOUNTAINS
423A*	S	75-08	3910	34 24 56	118 05 26	E.W. SCRIBNER	29047 N. ALISO CANYON ROAD, SAN GABRIEL MOUNTAINS
425B-E	SA	54-39	1481	34 12 19	117 51 38	E.K. DE VORE	SAN GABRIEL DAM, NEAR SPILLWAY, SAN GABRIEL MOUNTAINS
427B	S	15-63	131	33 57 38	118 08 07	L.W. JORDAN	7518 LUBEC STREET, DOWNEY
432	S	52-89	2035	34 12 32	118 01 03	LOUIS LUEBKERT	SANTA ANITA CANYON, FERN LODGE, SAN GABRIEL MOUNTAINS
433C	SA	51-69	1640	34 12 15	118 08 18	L.A.C.F.C.D. PERSONNEL	FAIR OAKS DEBRIS BASIN, ALTADENA
434	SA	34-46	800	34 08 08	118 45 08	L.A. CO. F. & F.W. PERSONNEL	MALIBU DIVISION HEADQUARTERS, 0.8 MILE SOUTHWEST OF AGOURA
435	SA	23-02	600	34 04 41	118 41 35	L.A. CO. F. & F.W. PERSONNEL	MONTE NIDO PATROL STATION, COLD CANYON ABOVE MALIBU CREEK, SANTA MONICA MTS.
436C	AP	49-03	1110	34 16 08	118 23 59	U.S.C. OF E. PERSONNEL	10960 BORDEN AVENUE, SAN FERNANDO, NORTHEAST OF HANSEN DAM
437	S	4-30	40	33 47 31	118 10 13	HAMILTON BOWL, 1911 WALNUT AVENUE, LONG BEACH	
440B	S	63-97	5280	34 19 37	118 00 17	U.S.F.S. PERSONNEL	NEAR ANGELES CREST HIGHWAY AT U.S.F.S. STATION, CHILAO
441D-E	S	86-82	2662	34 34 25	118 06 45	LAURENCE HAYHURST	COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 38126 SIERRA HIGHWAY, PALMDALE
442B	SP	78-53	3840	34 28 05	117 44 51	E.A. EBERLE	31721 NORTH 214TH STREET EAST, LLANO
443B	S	21-80	1700	34 05 35	118 48 52	A.O. BEACH	SANTA MONICA MOUNTAINS, 274 SOUTH BACKUS ROAD, MALIBU
444C	SA	2-52	490	33 46 34	118 20 36	C. WOOD	PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGUESE ROAD
445B	S AP	44-56	1510	34 08 02	117 44 38	L.A.C.F.C.D. PERSONNEL	LIVE OAK DAM, NORTH OF LA VERNE
446	SA	58-48	2367	34 18 53	118 33 25	TIDEWATER OIL CO. PERSONNEL	5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON, SANTA SUSANA MTS.
447B	S	23-65	145	34 02 47	118 38 18	L.A. CO. F. & F.W. PERSONNEL	0.7 MILE FROM PACIFIC COAST IN LAS FLORES CANYON, SANTA MONICA MOUNTAINS
449B	S AP	41-03	880	34 10 06	118 05 33	JOHN C. BARR	EATON DAM, 2984 EAST NEW YORK DRIVE, ALTADENA
451B	SA	69-83	1066	34 27 52	118 36 57	L.A. CO. F. & F.W. PERSONNEL	30055 GOLDEN STATE HIGHWAY, SAUGUS, SOUTH OF CASTAIC
453C	S AP	40-21	1090	34 11 08	118 10 19	D. WILSON	DIVIL'S GATE DAM, ARROYO SECO AND FOOTHILL BOULEVARD, PASADENA
455B	S	99-61	2395	34 40 57	118 08 02	L.R. POTTER	STATE HIGHWAY MAINTENANCE YARD, SIERRA HIGHWAY, 1.1 MILES SOUTH OF LANCASTER
456	S	102-54	2680	34 39 02	117 50 57	L. SCHOENBERGER	PIUTE BUTTE, 15701 AVENUE M EAST, LANCASTER
458	S	22-08	115	34 01 10	118 47 46	L.A. CO. F. & F.W. PERSONNEL	28722 PACIFIC COAST HIGHWAY, MALIBU
460B	S	76-64	3980	34 27 34	117 55 57	NOEL NEAL	PLEASANT VIEW MESA, 30900 HARMONY LANE, EAST OF AVENUE 106 EAST
461	S	26-29	392	34 00 08	118 22 32	G.D. ASHDOWN	NORTH OF SLAUSON AVENUE, WEST OF LA BREA AVENUE, BALDWIN HILLS
462B	S	25-95	185	34 02 54	118 24 06	C. PRIDAY	HILLCREST COUNTRY CLUB, 10000 PICO BOULEVARD, LOS ANGELES
463B	S	25-78	92	34 00 49	118 25 32	JIM ALLISON	11607 CHARNOCK ROAD, MAR VISTA, LOS ANGELES
465C	AP	37-33	683	34 10 06	118 28 11	U.S. C. OF E. PERSONNEL	SEPULVEDA DAM, NORTH OF VENTURA BOULEVARD, WEST OF SEPULVEDA BOULEVARD, VAN NUYS
466B	SA	60-54	3220	34 21 07	118 20 38	J.D. BISHOP	PACOIMA CANYON, DUTCH LOUIE CANYON, SAN GABRIEL MOUNTAINS
468	8.81	50-77	1600	34 13 18	118 13 45	L.A.C.F.C.D. PERSONNEL	PICKENS DEBRIS BASIN, NORTH OF FOOTHILL BOULEVARD, EAST OF BRIGGS TERRACE AVENUE
470	SA	63-01	4600	34 23 09	118 05 25	L.A.C.F.C.D. PERSONNEL	NEAR TIE CANYON DIVIDE, MILL CREEK TUJUNGA, SAN GABRIEL MOUNTAINS
471	AP	60-98	2750	34 18 57	118 18 02	U.S. C. OF E. PERSONNEL	GOLD CREEK TRUCK TRAIL, ABOVE WATTS RANCH, LITTLE TUJUNGA, SAN GABRIEL MTS.
474B	S	14-84	114	33 57 16	118 12 43	V.J. ALLMENDINGER	8917 STATE STREET, SOUTH GATE
475	S	70-58	1150	34 24 56	118 32 51	G.R. MOSLEY	NEWHALL LAND AND FARMING COMPANY OFFICE, WEST OF SAUGUS
476D	S	34-06	825	34 07 50	118 47 52	A.M. MONTGOMERY	TRIUNFO CANYON, 3430 TRIUNFO CANYON ROAD, CORNELL, SANTA MONICA MOUNTAINS
477C	SA	53-28	4675	34 13 02	117 58 40	J.C. BARR	SPRING CAMP AT HEAD OF EAST FORK - SANTA ANITA CANYON, SAN GABRIEL MOUNTAINS
478	SP	77-45	3710	34 26 44	117 51 10	C.C.BEARDSLEY	U.S.F.S. HEADQUARTERS, PEARBLOSSOM HIGHWAY, WEST OF BIG ROCK CREEK, VALYERMO
480B	S	41-49	404	34 06 31	118 03 25	L.A. CO. F. & F.W. PERSONNEL	5946 KAUFFMAN AVENUE, TEMPLE CITY
482	S	27-17	208	34 01 14	118 17 15	H.S. BUTLER	920 WEST 36TH PLACE, CIVIL ENGINEERING BUILDING, U.S.C., LOS ANGELES
486B	SA	55-83	3960	34 15 49	117 42 41	J.W. WIDMAN	COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON, SAN GABRIEL MTS.
488B	S	49-20	1450	34 17 45	118 22 30	L.A. CO. F. & F.W. PERSONNEL	KAGEL CANYON ROAD AT DEXTER PARK, 12587 N. DECKER PARK ROAD, SAN FERNANDO
489	S	23-40	1318	34 05 37	118 39 22	MISS B.E. STUNT	COLD CREEK CANYON, SOUTH OF CALABASAS PEAK, STUNT ROAD, SANTA MONICA MOUNTAINS
490	S	101-42	2480	34 40 33	117 57 06	E.F. GRAHAM	9851 EAST AVENUE K, LANCASTER
491B	S	24-75	320	34 02 38	118 31 36	MRS. C.D. CLEARWATER	855 VIA DE LA PAZ, PACIFIC PALISADES, SANTA MONICA
492	SA	63-98	5275	34 19 05	118 00 30	K. STEVENSON	STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO, SAN GABRIEL MOUNTAINS
493C	SA	59-80	1750	34 23 40	118 24 42	FRED C. HANSEN	15665 WEST IRON CANYON ROAD, SAUGUS, SAN GABRIEL MOUNTAINS
497	8.81P	44-67	1350	34 07 35	117 43 55	F.E. SLAUGHTER	4652 GLEN WAY, CLAREMONT
498	S	51-04	2800	34 15 21	118 11 45	U.S.F.S. PERSONNEL	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL, SAN GABRIEL MOUNTAINS
508C	S	51-39	1220	34 12 33	118 10 12	U.S.F.S. PERSONNEL	ARROYO SECO CANYON AT EL PRIETO CANYON, U.S.F.S. RANGER STATION, SAN GABRIEL MTS.
517B	SA	77-17	4615	34 25 12	117 53 11	PHIL LEWIS	PLEASANT VIEW RIDGE, PALLETT CREEK, SOUTH OF VALYERMO
519B	S	97-24	3325	34 39 35	118 22 38	MRS. GEORGE ULLMAN	14370 WEST ELIZABETH LAKE, PINE CANYON ROAD, PALMDALE
542-E	SP	109-79	3050	34 42 15	118 25 40	A.E. MAJORS	LOS ANGELES AQUEDUCT RESERVOIR, 45650 NORTH 170TH STREET WEST, FAIRMONT
551	SP	V. CO.	10	34 08 38	119 12 38	U.S. COAST GUARD	PORT HUENEME LIGHTHOUSE, VENTURA COUNTY
564C	S	77-61	3390	34 29 13	117 50 02	R. BLAYLOCK	32810 AVENUE 165 EAST, LLANO
565B	AP	3-91	11	33 47 16	118 12 08	CITY OF LONG BEACH PERSONNEL	1607 SAN FRANCISCO STREET, LONG BEACH
566	SP AP	4-52	15	33 46 46	118 08 36	C. BOWER	1020 BELMONT STREET, LONG BEACH
571C	SP	4-63	25	33 45 44	118 08 23	C. HOLLINGSWORTH	4423 EAST SECOND STREET, LONG BEACH
575C	SP	4-02	63	33 46 28	118 11 28	J.W. TEED	6TH AND PINE STREETS, LONG BEACH
577F	SP AP	27-54	548	34 03 19	118 14 26	U.S.W.B. PERSONNEL	FEDERAL BUILDING, 312 NORTH SPRING STREET, LOS ANGELES
587B	SP	45-22	2390	34 10 24	117 40 31	S.C.E. CO. PERSONNEL	S.C. EDISON COMPANY POWER HOUSE NO. 1, MOUTH OF SAN ANTONIO CANYON, SAN GABRIEL MTS.
588D	ST	51-97	4435	34 13 37	118 06 33	L.A.C.F.C.D. PERSONNEL	MT. LOWE TAVERN RUINS, SAN GABRIEL MOUNTAINS
593B	SP	68-69	675	34 24 08	118 44 10	C.R. MC GILL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
598B	SP	121-19	2895	34 48 10	118 35 10	L.A.W.D. PERSONNEL	NEAR 260TH STREET WEST AND AVENUE B, NEENACH, ANTELOPE VALLEY
610B	SP	40-55	864	34 08 54	118 08 36	CRAIG AND OKUBO	CITY HALL, PASADENA
611C	8.81	40-81	1186	34 10 48	118 07 01	L.A.C.F.C.D. PERSONNEL	ALTADENA GOLF COURSE DEBRIS BASIN, ALTADENA
612	SP	51-39	1181	34 12 27	118 10 00	CRAIG AND OKUBO	CHLORINE PLANT, MOUTH OF ARROYO SECO CANYON, PASADENA
613B	SP	40-46	780	34 07 48	118 09 12	FIRE STATION PERSONNEL	900 SOUTH PASADENA AVENUE, PASADENA
617B	SP	32-23	633	34 03 58	117 46 21	J.E. ADAMSON	931 NORTH WEBER STREET, POMONA
618B	3"P	V. CO.	1010	34 17 12	118 43 06	F.A. SNYDER	TAPO CITRUS ASSOCIATION, VENTURA COUNTY
619	SP AP	56-38	3110	34 12 33	117 40 26	S.C.E. CO. PERSONNEL	SIERRA POWER HOUSE, SAN ANTONIO CANYON, 2 MILES BELOW MT. BALDY POST OFFICE
627	SP	42-94	744	34 09 20	117 54 28	D.C. RUDDELL	MOUTH OF SAN GABRIEL CANYON AT POWER HOUSE, AZUSA
629C	SP	3-27	85	33 43 15	118 16 17	MARINE EXCHANGE PERSONNEL	WAREHOUSE NO 1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634C	SP	25-08	138	34 00 43	118 29 27	T.M. DONAHUE	CITY HALL, SANTA MONICA
644	3"P	V. CO.	300	34 15 40	118 59 48	F.A. SNYDER, JR.	SNYDER RANCH - SOMIS, VENTRUA COUNTY
660B	SP	V. CO.	45	34 11	119 10	CITY OF OXNARD PERSONNEL	OXNARD, VENTURA COUNTY
662B	AP	9-26	80	33 50 00	118 10 12	LEE MAYES	4206 KEEVER AVENUE, LONG BEACH
666C	AP	9-02	55	33 52 20	118 11 55	LLOYD E. BALL	271 EAST NEECE STREET, LONG BEACH
672	SP	40-14	950	34 09 02	118 10 57	RALPH LATHAM	7888 NORTH FIGUEROA STREET, EAGLE ROCK
673C	S	4-85	15	33 44 42	118 06 40	L.A.W.D. PERSONNEL	FIRST STREET AND OCEAN AVENUE, SEAL BEACH, ORANGE COUNTY
676	4½"P	13-93	173	33 57 58	118 18 24	H.F. PARKINSON	1727 WEST 80TH STREET, LOS ANGELES
678	SP	40-32	1052	34 10 39	118 09 56	CRAIG AND OKUBO	SHELDON RESERVOIR, NEAR MONTANA STREET AND ARROYO BOULEVARD, PASADENA
679	SP	30-27	314	34 01 14	117 58 40	DILLON WOOD	14935 EAST CLARK AVENUE, CITY OF INDUSTRY
680B	SP AP	25-53	430	34 04 10	118 26 30	F.A. ARSENAULT	U.C.L.A. CAMPUS, ROOF OF MATH., SCIENCE BUILDING, WESTWOOD
681A*	S	41-62	935	34 10 15	118 01 54	U.S.F.S. PERSONNEL	2225 NORTH SANTA ANITA DRIVE, SIERRA MADRE
683	SP AP	51-58	2110	34 12 53	118 08 47	U.S.F.S. PERSONNEL	SUNSET RIDGE GUARD STATION, 4000 CHANEY TRAIL, ALTADENA
691B	8.81	45-14	2090	34 09 20	117 40 55	G.A. RITTER	SAN ANTONIO SPREADING GROUNDS, MOUTH OF SAN ANTONIO CANYON
695B	S	50-71	1850	34 17 12	118 13 32	U.S.F.S. PERSONNEL	2131 WEST BIG TUJUNGA ROAD, TUJUNGA
703	SP	39-54	603	34 09 00	118 14 27	P.T. MC INTYRE	315 NORTH ADAMS STREET, GLENDALE
705	SP	60-87	2330	34 19 48	118 19 03	J.M. SHIFFER	ALDER CREEK ABOVE LITTLE TUJUNGA CANYON, PARADISE RANCH
716	SP AP	27-64	300	34 03 09	118 14 13	F.W. PETERS	410 DUCOMMUN STREET, LOS ANGELES
718B	SP	33-52	810	34 10 43	118 50 59	FIRE STATION PERSONNEL	67 ERBES ROAD, THOUSAND OAKS, VENTRUA COUNTY
720	SP	46-43	1075	34 15 44	118 39 32	W.T. FORSON	6662 SMITH ROAD, SANTA SUSANA, VENTURA COUNTY
722C	S	98-67	2900	34 37 23	118 13 55	PHOEBE S. STRATMAN	40780 60TH STREET WEST, LANCASTER
724B	SP AP	43-92	1825	34 10 34	117 48 26	U.S.F.S. PERSONNEL	AT GAGING STATION IN MONROE CANYON, ABOVE BIG DALTON DAM
725	AP	36-91	724	34 11 15	118 30 16	U.S. C. OF E. PERSONNEL	VICTORY BOULEVARD AND BALBOA BOULEVARD, RESEDA
726B	S AP	51-16	2300	34 14 05	118 11 00	U.S.F.S. PERSONNEL	ANGELES CREST GUARD STATION AT ANGELES CREST HIGHWAY AND FALLS CANYON, ARROYO SECO
727	SP	52-76	4125	34 13 55	118 01 34	H.E. WILSON	NEWCOMB PASS, 2 MILES NORTHEAST OF MT. WILSON
728	SP	60-93	3175	34 21 42	118 18 25	U.S.F.S. PERSONNEL	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYONS, SAN GABRIEL MOUNTAINS
730	SP	51-77	2950	34 13 30	118 07 47	U.S.F.S. PERSONNEL	NEAR DAWN MINE, MILLARD CANYON, ABOVE ARROYO SECO
731	SP	40-20	1080	34 11 47	118 10 29	U.S.F.S. PERSONNEL	OAK GROVE PARK, ABOVE DEVIL'S GATE DAM, PASADENA

RAIN GAGE STATION LOCATION

SEASON 1961-62

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. °	'	"	WEST LONG. °	'	"	OBSERVER	LOCATION
732B	ST	53-77	4100	34	13	30	117	55	15	L.A.C.F.C.D. PERSONNEL	SOUTH OF SAN GABRIEL - WEST FORK, WEST OF PINE MOUNTAIN LOOKOUT
734B	SP AP	13-15	126	33	56	32	118	23	12	U.S.W.B. PERSONNEL	5900 AVION DRIVE, LOS ANGELES INTERNATIONAL AIRPORT
735C	S	35-41	945	34	11	22	118	39	30	B.L. CUNDIFF	6689 NORTH VALLEY CIRCLE DRIVE, CANOGA PARK
737	SP	V. CO.	4000	34	35	42	119	19	12	FRANK FELT	WHEELER SPRINGS, VENTURA COUNTY
739	SP	V. CO.	335	34	19	54	119	07	48	PACKING HOUSE SUPERINTENDENT	SANTA PAULA, LIMONEIRA RANCH, VENTURA COUNTY
740B	AP	45-00	5200	34	11	48	117	41	45	U.S.F.S. PERSONNEL	SAN DIMAS CANYON, FERN CANYON, FERN NO. 2
741	AP	44-50	2765	34	11	41	117	44	26	U.S.F.S. PERSONNEL	SAN DIMAS CANYON, UPPER EAST FORK
742C	SP	41-09	445	34	06	11	118	05	56	FIRE DEPARTMENT PERSONNEL	115 NORTH DEL MAR AVENUE, SAN GABRIEL
746	SP	K. CO.	2645	34	57		118	11		GEORGE L. TURCOTT	7 MILES SOUTH OF MOJAVE, BACKUS RANCH, KERN COUNTY
747	SP AP	106-75	4517	34	44	47	118	43	29	U.S.W.B. PERSONNEL	SANDBERG AIRWAYS, TOP OF BALL MOUNTAIN, SOUTHEAST OF GORMAN
749	SP AP	38-50	699	34	11	47	118	21	11	U.S.W.B. PERSONNEL	LOCKHEED AIR TERMINAL, 2627 NORTH HOLLYWOOD WAY, BURBANK
750	SP	100-18	2528	34	37	20	118	05	00	F.A.A. AIRPORT PERSONNEL	FEDERAL AVIATION AGENCY AIRPORT, 2505 EAST AVENUE P, PALMDALE
755	AP	39-17	900	34	07	32	118	16	58	CITY OF L.A. PERSONNEL	GRIFFITH PARK, LITTLE CANYON
756	AP	39-06	1200	34	07	48	118	17	34	CITY OF L.A. PERSONNEL	GRIFFITH PARK, UPPER SPRING CANYON
757	AP	38-98	750	34	07	12	118	18	20	CITY OF L.A. PERSONNEL	GRIFFITH PARK, FERN DELL
758	AP	39-16	600	34	08	02	118	17	27	CITY OF L.A. PERSONNEL	GRIFFITH PARK, LOWER SPRING CANYON
759B	8.81 AP	38-49	478	34	06	22	118	24	00	CITY OF L.A. & LACFCD PERSONNEL	1944 NICHOLS CANYON ROAD, HOLLYWOOD
760	AP	37-95	680	34	08	29	118	24	26	CITY OF L.A. PERSONNEL	3913 GOODLAND AVENUE, STUDIO CITY
762	AP	37-47	943	34	07	27	118	27	15	CITY OF L.A. PERSONNEL	UPPER STONE CANYON, SANTA MONICA MOUNTAINS
763B	SP	37-29	1300	34	06	25	118	28	26	CITY OF L.A. PERSONNEL	SEPULVEDA CANYON - EAST FIRE ROAD NO. 19, SANTA MONICA MOUNTAINS
764	SP	37-59	975	34	06	22	118	26	50	CITY OF L.A. PERSONNEL	STONE CANYON - 2302 RIAL LANE, SANTA MONICA MOUNTAINS
765B	SP	37-26	1325	34	07	52	118	28	42	CITY OF L.A. PERSONNEL	15801 MULHOLLAND DRIVE, SANTA MONICA MOUNTAINS
766	AP	36-97	1625	34	07	38	118	30	03	CITY OF L.A. PERSONNEL	MANDEVILLE CANYON - FIRE ROAD NO. 24, SANTA MONICA MOUNTAINS
767	SP	36-98	1225	34	07	12	118	30	12	CITY OF L.A. PERSONNEL	3351 MANDEVILLE CANYON ROAD, SANTA MONICA MOUNTAINS
768	SP	36-87	1465	34	07	19	118	30	52	CITY OF L.A. PERSONNEL	SULLIVAN CANYON - FIRE ROAD NO. 26, SANTA MONICA MOUNTAINS
769	AP	36-49	1980	34	06	32	118	33	31	CITY OF L.A. PERSONNEL	SANTA YNEZ CANYON, TEMESCAL FIRE ROAD NO. 30, SANTA MONICA MOUNTAINS
770B	AP	24-44	600	34	03	08	118	33	21	CITY OF L.A. PERSONNEL	SANTA YNEZ CANYON, PASEO MIRAMAR, SANTA MONICA MOUNTAINS
771	AP	24-94	265	34	03	06	118	30	32	CITY OF L.A. PERSONNEL	RUSTIC CANYON, SANTA MONICA MOUNTAINS
772	AP	27-41	475	34	05	02	118	15	11	CITY OF L.A. PERSONNEL	ECHO PARK AND LUCRETIA STREETS, LOS ANGELES
774	AP	27-52	450	34	04	31	118	14	46	CITY OF L.A. PERSONNEL	BARLOW SANITARIUM, 2000 STADIUM WAY, CHAVEZ RAVINE, LOS ANGELES
777	SP	25-13	418	34	03	45	118	28	51	CITY OF L.A. PERSONNEL	259 NORTH KENTER AVENUE, KENTER CANYON, SANTA MONICA MOUNTAINS
778B	SP	25-21	570	34	04	50	118	28	12	CITY OF L.A. PERSONNEL	11817 BELLAGIO ROAD, SEPULVEDA CANYON, SANTA MONICA MOUNTAINS
779	AP	39-05	625	34	08	48	118	17	48	CITY OF L.A. PERSONNEL	GRIFFITH PARK, LOWER MINERAL WELLS
783	SP AP	51-28	1350	34	12	47	118	10	12	U.S.F.S. PERSONNEL	MOUTH OF COON CANYON IN ARROYO SECO
784	SP	51-38	1515	34	12	56	118	10	10	U.S.F.S. PERSONNEL	0.3 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
785	SP	51-38	1707	34	13	03	118	10	05	U.S.F.S. PERSONNEL	0.5 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
786	SP	51-37	2250	34	13	18	118	09	47	U.S.F.S. PERSONNEL	0.75 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
787	SP	51-38	2022	34	13	09	118	09	51	U.S.F.S. PERSONNEL	0.9 MILE ABOVE MOUTH OF COON CANYON ON EAST SLOPE, ARROYO SECO
788	SP	51-38	1710	34	12	56	118	10	00	U.S.F.S. PERSONNEL	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
789	SP	51-47	2325	34	13	32	118	09	19	U.S.F.S. PERSONNEL	2.6 MILES NORTHWEST OF CHANEY TRAIL AND LOMA ALTA DRIVE, ALTADENA
790	SP	V. CO.	470	34	23	54	118	55	05	CITRUS ASSOCIATION PERSONNEL	FILMORE CITRUS ASSOCIATION, VENTURA COUNTY
791	SP	V. CO.	150	34	16	09	119	08	08	LEMON ASSOCIATION PERSONNEL	BUENA VENTURA LEMON ASSOCIATION, SATICOY, VENTURA COUNTY
792	SP	V. CO.	290	34	21	12	119	03	48	COUNTY AGRICULTRRAL PERSONNEL	COUNTY AGRICULTURAL OFFICE, SANTA PAULA, VENTURA COUNTY
793	SP	52-06	5300	34	14	21	118	05	50	U.S.F.S. PERSONNEL	MARKHAM SADDLE, 0.6 MILE WEST OF MT. WILSON
794-E	SP	25-80	585	34	05	43	118	24	40	L.A.W.D. PERSONNEL	LOWER FRANKLIN RESERVOIR, SANTA MONICA MOUNTAINS
795	SP	41-15	705	34	08	52	118	05	14	P.W.D. PERSONNEL	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
796	AP	27-61	757	34	04	55	118	14	22	CITY OF L.A. PERSONNEL	REPOSA STREET AND AVALON PARK ROW, ELYSIAN PARK
797	SP	47-12	1127	34	16	17	118	35	12	L.A.W.D. PERSONNEL	NORTH END OF DE SOTO STREET, NORTHEAST OF CHATSWORTH
799	SP	26-39	460	34	00	25	118	21	47	L.A.W.D. PERSONNEL	WEST OF LA BREA AVENUE AND SOUTH OF RODEO ROAD, BALDWIN HILLS
801	AP	61-10	4450	34	23	45	118	17	10	U.S. C. OF E. PERSONNEL	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN, SAN GABRIEL MOUNTAINS
802B-E	SP	40-15	963	34	08	47	118	11	22	L.A.W.D. PERSONNEL	HILLMONT AVENUE AND CEDAREDGE AVENUE, EAGLE ROCK
807	SP A	28-12	620	34	04	46	118	11	14	L.A.W.D. PERSONNEL	ASCOT RESERVOIR, LYNNFIELD STREET AND BOWMAN BOULEVARD, LOS ANGELES
1000	S	87-38	3263	34	30	48	118	03	37	L.A. BONES	HUNT CANYON, 1.0 MILE SOUTH OF FORT TEJON ROAD, SOUTHWEST OF LITTLE ROCK
1001B	S	52-55	3070	34	14	45	118	02	55	U.S.F.S. EMPLOYEES	SAN GABRIEL RIVER - WEST FORK AT SHORTCUT CANYON, SAN GABRIEL MOUNTAINS
1005	S	84-48	2350	34	30	47	118	21	31	R.E. TAGGART	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS, NORTHEAST OF SAUGUS
1006	SA	3-05	150	33	44	37	118	17	47	K.C. STEELE	950 WEST FIRST STREET, SAN PEDRO
1007C	S	64-25	5920	34	20	39	117	58	39	R.O. STAVIG	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1008-E	SA	7-63	65	33	52	07	118	19	55	S.C.E. CO. PERSONNEL	17680 YUKON AVENUE, SOUTHERN CALIFORNIA EDISON COMPANY, SUBSTATION, N. OF TORRANCE
1009	S	71-66	1625	34	26	04	118	26	06	JAMES W. DYER	MINT CANYON, 17262 SIERRA HIGHWAY, EAST OF SAUGUS
1010B	SA	44-93	2120	34	09	36	117	42	07	L.A.C.F.C.D. PERSONNEL	PALMER CANYON, 1.5 MILES NORTH NORTHEAST OF THOMPSON CREEK DAM
1011B	S	2-44	1275	33	45	25	118	21	11	L.A. CO. F. & F.W. PERSONNEL	12 WEST CREST ROAD, PALOS VERDES HILLS, NORTHWEST OF SAN PEDRO
1012	S	69-96	1001	34	26	23	118	36	20	M. KUTYLO	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY
1013B	SA	61-39	1650	34	18	00	118	16	06	L.A.C.F.C.D. PERSONNEL	TUJUNGA CANYON ABOVE GOLD CANYON, SAN GABRIEL MOUNTAINS
1014D-E	SA	15-90	155	33	59	25	118	06	33	W. ROPER	8020 EAST WASHINGTON BOULEVARD, RIVERA
1016	S	34-63	1000	34	09	40	118	44	06	S.W. SWANSON	6300 CHESEBORO CANYON ROAD, AGOURA
1017B	SA	75-72	3280	34	28	41	118	01	24	L.A.C.F.C.D. PERSONNEL	LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM, SAN GABRIEL MOUNTAINS
1018B	S	57-86	3340	34	20	18	118	36	44	C. DWYER	SANTA SUSANA MOUNTAINS AT HEAD OF DEVIL CANYON
1019	ST	57-34	2850	34	21	24	118	39	42	L.A.C.F.C.D. PERSONNEL	SANTA SUSANA MOUNTAINS AT HEAD OF SALT CANYON
1020	S	45-05	1810	34	08	54	117	41	52	L.A. CO. F. & F.W. PERSONNEL	PADUA HILLS PATROL STATION, 4349 PADUA AVENUE, CLAREMONT
1021C	ST	61-14	4475	34	21	03	118	16	55	L.A.C.F.C.D. PERSONNEL	MT. GLEASON TRAIL AND YERBA BUENA TRAIL, SAN GABRIEL MOUNTAINS
1022	S	69-12	1725	34	28	44	118	41	04	OIL CO. EMPLOYEES	HASLEY CANYON, 5 MILES ABOVE JUNCTION AT WESTERN GULF OIL FIELD
1023B	S	36-27	1415	34	07	44	118	34	42	W. SPEER	GARRAPATA CANYON, MULHOLLAND HIGHWAY AT SANTA MARIA ROAD, SANTA MONICA MOUNTAINS
1025	S	22-86	160	34	02	00	118	42	42	PHILLIP DUNNE	24708 PACIFIC COAST HIGHWAY, MALIBU BEACH
1028C	S	22-53	1300	34	03	43	118	44	32	D.W. CRUMP	26385 INGLESIDE WAY, MALIBU, SANTA MONICA MOUNTAINS
1029	S	63-10	4970	34	23	25	118	04	50	G. TURNER	TIE CANYON DIVIDE, SOUTH OF ANGELES FOREST HIGHWAY, SAN GABRIEL MOUNTAINS
1030	ST	65-65	7520	34	20	50	117	49	57	L.A.C.F.C.D. PERSONNEL	BETWEEN MT. ISLIP AND LITTLE JIMMY SPRINGS, SAN GABRIEL MOUNTAINS
1031B	ST	64-66	7960	34	20	23	117	56	21	L.A.C.F.C.D. PERSONNEL	0.25 MILE EAST OF WATERMAN MOUNTAIN, SAN GABRIEL MOUNTAINS
1035	SA	16-40	280	33	59	52	118	03	10	WALTER J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1037-E	SA	41-45	565	34	08	48	118	02	59	J.T. MC GAH	301 NORTH BALDWIN AVENUE, ARCADIA
1038	ST	63-62	6925	34	22	44	118	01	53	L.A.C.F.C.D. PERSONNEL	SOUTHEAST OF PACIFICO MOUNTAIN, SAN GABRIEL MOUNTAINS
1039B	S	26-72	225	34	04	13	118	19	23	DR. DON MAC QUEEN	245 SO. LARCHMONT BOULEVARD, LOS ANGELES
1040	S	57-60	1150	34	23	50	118	38	18	SUNRAY OIL CO. PERSONNEL	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99, WEST OF NEWHALL
1041B	AP	42-28	427	34	07	04	117	58	24	U.S. C. OF E. PERSONNEL	SANTA FE DAM EAST OF SPILLWAY SOUTH OF MONROVIA
1042	SP	2-73	825	33	45	37	118	19	47	C. WOOD	2995 PALOS VERDES DRIVE, ROLLING HILLS
1043	SP	2-66	950	33	44	12	118	19	57	C. WOOD	CREST ROAD AND PALOS VERDES DRIVE EAST, ROLLING HILLS
1044	SP	2-46	150	33	44	20	118	21	30	C. WOOD	NO. 2 YACHT HARBOR DRIVE, PORTUGUESE BEND, ROLLING HILLS
1045B	SP	1-95	225	33	44	52	118	24	27	C. WOOD	30923 PALOS VERDES DRIVE WEST, ROLLING HILLS
1046B	S	41-70	2175	34	11	46	118	01	20	LILA ADAMS	CHANTRY FLAT - SANTA ANITA CANYON, SAN GABRIEL MOUNTAINS
1048B	S	50-47	1410	34	13	27	118	15	23	O.O. LANGERUD	3916 DUNSMORE AVENUE, LA CRESCENTA
1050	S	35-79	1010	34	06	29	118	37	41	FERMIN GRAY	1535 NORTH VALLEY DRIVE, TOPANGA, SANTA MONICA MOUNTAINS
1051B	SP	36-21	800	34	10	51	118	34	23	LEE HAINES	6201 WINNETKA AVENUE, C.W. PIERCE COLLEGE, CANOGA PARK
1052	SP	24-81	660	34	04	51	118	31	10	PAUL WEISS	3000 RUSTIC CANYON, B.S.A. CAMP JOSEPHO, SANTA MONICA MOUNTAINS
1053	S	50-02	1500	34	16	42	118	17	43	K.A. SOLOMON	NORTH OF FOOTHILL BOULEVARD, TUJUNGA CANYON, SAN GABRIEL MOUNTAINS
1054	S	59-87	1730	34	19	35	118	24	44	FRED IVERSEN	1.6 MILES NORTHEAST OF FOOTHILL BOULEVARD AND SAYRE STREET, SAN FERNANDO
1055B	S	56-92	7735	34	16	29	117	16	35	H. LEFFLER	2.1 MILES SOUTHEAST OF SAN ANTONIO PEAK AT THE NOTCH, SAN BERNARDINO COUNTY
1056	S	113-72	2315	34	46	20	118	01	40	H.A. MC CARGAR	5701 EAST AVENUE E, LANCASTER
1057B	S	29-56	230	34	02	02	118	02	40	DORIS K. BULLION	1000 NORTH DURFEE AVENUE, WHITTIER NARROWS, EL MONTE
1058	AP	87-00	2583	34	35	45	118	05	35	IRRIGATION DISTRICT PERSONNEL	1.7 MILES NORTHEAST OF PALMDALE
1059B	ST	65-98	7720	34	18	46	117	48	32	L.A.C.F.C.D. PERSONNEL	SOUTH HAWKINS PEAK EAST OF CRYSTAL LAKE, SAN GABRIEL MOUNTAINS
1060	SA	76-28	3920	34	24	59	117	58	17	L.A.C.F.C.D. PERSONNEL	LITTLE ROCK CANYON AT SYCAMORE CAMP, SAN GABRIEL MOUNTAINS
1062	SA	64-85	6760	34	20	44	117	55	08	U.S.F.S. PERSONNEL	BUCKHORN FLAT, 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN, SAN GABRIEL MOUNTAINS
1063	S	75-00	3520	34	29	35	118	05	28	J.G. JOHNSTON	SOLEDAD PASS, 1.6 MILES EAST OF ANGELES FOREST HIGHWAY, SAN GABRIEL MOUNTAINS
1064	ST	55-35	2010	34	14	29	117	45	39	L.A.C.F.C.D. PERSONNEL	SAN GABRIEL CANYON - EAST FORK, 1.2 MILES ABOVE CATTLE CANYON, SAN GABRIEL MTS.
1066B	AP	4-92	10	33	46	40	118	06	05	J.E. MC GINNIS	845 LEES STREET, LONG BEACH
1067	ST	75-35	4500	34	26	36	118	04	00	L.A.C.F.C.D. PERSONNEL	HEAD OF SANTIAGO CANYON, 2 MILES EAST OF ANGELES FOREST HIGHWAY, SAN GABRIEL MTS.

RAIN GAGE STATION LOCATION

SEASON 1961-62

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
1068	S	21-31	1290	34 05 00	118 51 55	L.A. COUNTY SHERIFF PERSONNEL	CAMP NO. 3, RATTLESNAKE CANYON, SANTA MONICA MOUNTAINS
1069	ST	55-51	2775	34 16 58	117 44 48	L.A.C.F.C.D. PERSONNEL	SAN GABRIEL RIVER - EAST FORK ABOVE DEVIL'S GULCH, SAN GABRIEL MOUNTAINS
1070	S	7-11	182	33 53 00	118 23 19	V. PADDOCK	6TH STREET AND ROWELL AVENUE, MANHATTAN BEACH
1071B-E	S	50-89	1325	34 12 17	118 12 46	MARK ANTHONY	1418 DESCANSO DRIVE, DESCANSO GARDENS, LA CANADA
1072	SP	49-30	1275	34 17 37	118 21 38	U.S.F.S. PERSONNEL	NORTH OF FOOTHILL BOULEVARD, LITTLE TUJUNGA CANYON, SAN GABRIEL MOUNTAINS
1073B	SP	87-36	2880	34 32 11	118 03 48	NORMAN E. ROSS	3624 EAST AVENUE T6, PALMDALE
1074	SA	62-52	5600	34 22 43	118 08 57	U.S. ARMY PERSONNEL	WEST OF LITTLE GLEASON ON SANTA CLARA RIDGE, SAN GABRIEL MOUNTAINS
1075	AP	44-72	3625	34 10 13	117 43 16	U.S.F.S. PERSONNEL	SAN DIMAS EXPERIMENTAL FOREST AT HEAD OF WOLFSKILL CANYON, SAN GABRIEL MTS.
1076	SP	62-68	2850	34 18 38	118 08 17	ED LUSTER	23200 NORTH ANGELES FOREST HIGHWAY, ABOVE MILL CREEK, SAN GABRIEL MOUNTAINS
1077B	S	42-03	962	34 09 58	117 59 37	MONROVIA W.D. PERSONNEL	CANYON BOULEVARD AND OAKGLADE STREET, MONROVIA
1078	SA	31-53	975	34 04 10	117 50 47	E.B. GRIFFITH	20951 EAST VIA VERDE, WEST COVINA
1079	8.81	40-70	1653	34 11 57	118 07 22	L.A.C.F.C.D. PERSONNEL	RUBIO DEBRIS DAM, SAN GABRIEL MOUNTAINS, NORTH OF ALTADENA
1080B	SA	42-34	935	34 09 23	117 57 58	L.A.C.F.C.D. PERSONNEL	BRADBURY DEBRIS BASIN, SAN GABRIEL MOUNTAINS, NORTH OF DUARTE
1081	S	39-50	1200	34 11 33	118 14 28	L.A.C.F.C.D. PERSONNEL	DEER BASIN, DEER CANYON, VERDUGO MOUNTAINS
1082	8.81	50-45	2275	34 14 52	118 15 06	L.A.C.F.C.D. PERSONNEL	DUNSMUIR DEBRIS BASIN, EAST OF TUJUNGA, SAN GABRIEL MOUNTAINS
1083	S	42-44	905	34 09 17	117 57 05	L.A.C.F.C.D. PERSONNEL	MADDOCK DEBRIS BASIN, MADDOCK CANYON, SAN GABRIEL MOUNTAINS, NORTH OF DUARTE
1084	8.81	59-76	1680	34 19 50	118 25 45	L.A.C.F.C.D. PERSONNEL	MAY DEBRIS BASIN, NORTH OF SAN FERNANDO, SAN GABRIEL MOUNTAINS
1085	8.81	49-78	1010	34 12 42	118 19 36	L.A.C.F.C.D. PERSONNEL	MC CLURE DEBRIS BASIN, VERDUGO MOUNTAINS, NORTH OF BURBANK
1086	8.81	16-71	495	33 59 18	118 01 30	L.A.C.F.C.D. PERSONNEL	TURNBULL DEBRIS BASIN, PUENTE HILLS, NORTHEAST OF WHITTIER
1087-E	S	49-64	1340	34 15 25	118 20 11	L.A.W.D. PERSONNEL	SOUTHWEST OF 10320 SUNLAND BOULEVARD, VERDUGO MOUNTAINS
1088B	SA	17-35	445	33 56 55	117 57 51	B. RETTIG	1271 NORTH HACIENDA BOULEVARD, 5 MILES EAST OF WHITTIER
1089D	S	24-25	75	34 02 58	118 34 46	HAROLD Z. DAVIS	3221 TOPANGA CANYON BOULEVARD, MALIBU, SAN GABRIEL MOUNTAINS
1090	SP	10-28	23	33 48 38	118 04 38	A.J. LABOURDETTE	3242 CERRITOS, ORANGE COUNTY, WEST OF COYOTE CREEK, SOUTH OF SPRING STREET
1091	3"P	10-66	41	33 49 50	118 02 22	FOREST LOWERY	5331 BISHOP STREET, CYPRESS, ORANGE COUNTY
1092	SP	11-03	75	33 51 57	117 59 50	R. AVIS	7681 NINTH STREET, BUENA PARK, ORANGE COUNTY
1093-E	SP AP	11-22	94	33 52 13	117 58 34	ORANGE COUNTY PERSONNEL	COMMONWEALTH AVENUE AND MAGNOLIA STREET AT FULLERTON AIRPORT, ORANGE COUNTY
1094	3"P	17-87	375	33 55 46	117 54 53	UNION OIL CO. PERSONNEL	PUENTE STREET AND CENTRAL AVENUE, LA HABRA, ORANGE COUNTY
1095	SP AP	18-16	600	33 56 07	117 52 58	U.S. C& OF E. PERSONNEL	ORANGE COUNTY RESERVOIR, NORTH OF BREA, ORANGE COUNTY
1096	SP	19-06	670	33 55 53	117 47 43	NORMAN SLATON	CARBON CANYON AT LA VIDA SPRINGS, ORANGE COUNTY
1098	SP	19-11	950	33 59 05	117 47 00	ORANGE COUNTY PERSONNEL	TONNER CANYON ROAD EAST OF SAN BERNARDINO COUNTY LINE
1099	S	29-49	280	34 00 20	118 03 30	IRA D. CATE	10234 STRONG AVENUE, NORTHWEST OF WHITTIER
1102B	ST	52-91	4920	34 16 49	118 00 08	L.A.C.F.C.D. PERSONNEL	SOUTH OF ANGELES CREST HIGHWAY AT HEAD OF BOBCAT CANYON, SAN GABRIEL MTS.
1104	S	83-59	1760	34 30 35	118 27 00	U.S.F.S. PERSONNEL	31251 BOUQUET CANYON ROAD, SIERRA PELONA, NORTHEAST OF SAUGUS
1105B	SP	109-46	2855	34 44 23	118 27 15	H.R. SAVAGE	18333 WEST AVENUE F8, FAIRMONT
1106	SP AP	110-99	2450	34 42 12	118 18 32	WILEY BURGE	10146 WEST AVENUE I, DEL SUR, ANTELOPE VALLEY
1107D	SA	49-76	1160	34 14 13	118 19 37	L.A.C.F.C.D. PERSONNEL	LA TUNA CANYON DEBRIS DAM, SUN VALLEY, VERDUGO MOUNTAINS
1108	SA	86-12	2930	34 34 40	118 10 58	MRS. GEORGE HODGES	2712 WEST AVENUE R, ANAVERDE VALLEY, WEST OF PALMDALE
1109	ST	56-71	8650	34 16 53	117 37 00	L.A.C.F.C.D. PERSONNEL	SOUTHEAST OF SAN ANTONIO PEAK, SAN BERNARDINO COUNTY
1110	8.81	39-94	987	34 09 13	118 12 01	L.A.C.F.C.D. PERSONNEL	SCHOLL DEBRIS BASIN, GLEN OAKS BOULEVARD, GLENDALE
1112	ST	54-31	4025	34 17 04	117 51 58	L.A.C.F.C.D. PERSONNEL	WEST OF SMITH MOUNTAIN, BEAR CANYON, SAN GABRIEL MOUNTAINS
1113	SP AP	8-76	30	33 49 54	118 13 30	T.J. CLEMMER	21718 SOUTH ALAMEDA STREET, LONG BEACH, SOUTH OF DOMINGUEZ HILLS
1114B	AP	29-17	239	34 01 29	118 05 02	U.S. C. OF E. PERSONNEL	WHITTIER NARROWS DAM, NEAR LINCOLN BOULEVARD, NORTH OF MONTEBELLO
1115	AP	45-24	2120	34 09 24	117 40 20	U.S. C. OF E. PERSONNEL	BELOW SAN ANTONIO DAM,
1116	S	4-70	15	33 47 38	118 07 15	BAYARD MILNOR	2124 SAN ANSELINE AVENUE, LONG BEACH
1117	S	95-80	3810	34 41 55	118 30 35	U.S.F.S. PERSONNEL	21526 PINE CANYON ROAD, LAKE HUGHES
1118	AP	9-74	55	33 51 45	118 07 43	GEORGE MC AULEY	5626 PEARCE AVENUE, LAKEWOOD
1119	ST	94-90	4325	34 41 31	118 36 15	L.A.C.F.C.D. PERSONNEL	SOUTH SLOPE OF LIEBRE MOUNTAIN AT HEAD OF FISH CANYON - ATMORE MEADOW
1120	ST	65-93	7900	34 22 08	117 48 10	L.A.C.F.C.D. PERSONNEL	1/4 MILE SSE OF MT. LEWIS NORTHEAST SLOPE OF SAN GABRIEL MOUNTAINS
1121	ST	52-22	5550	34 16 43	118 04 38	L.A.C.F.C.D. PERSONNEL	BARLEY FLAT, SAN GABRIEL MOUNTAINS, NORTH OF ANGELES CREST HIGHWAY
1122	8.81	50-35	2100	34 14 49	118 15 40	L.A.C.F.C.D. PERSONNEL	NORTH OF FOOTHILL BOULEVARD, NORTH END OF BOSTON AVENUE, LA CRESCENTA
1123	SP	76-45	4400	34 26 42	117 57 10	ELEANOR T. OPID	SOUTH OF CIMA MESA ROAD, WEST OF AVENUE 106 EAST
1124B	S	51-94	3625	34 15 30	118 06 17	U.S.F.S. PERSONNEL	JUNCTION OF ANGELES CREST HIGHWAY AND MT. WILSON ROAD, SAN GABRIEL MTS.
1125	S	30-78	460	34 01 00	117 55 15	H.J. GRUETER	NORTH OF VALLEY BOULEVARD AND WEST OF PASS AND COVINA ROAD, LA PUENTE
1126	8.81	48-99	780	34 12 30	118 24 35	W. WOODSON	12730 SATICOY STREET, LOS ANGELES, SAN FERNANDO VALLEY
1127	S	38-62	615	34 10 47	118 20 07	FIRE STATION PERSONNEL	2305 WEST BURBANK BOULEVARD, BURBANK
1128	SP	67-64	5960	34 21 34	117 37 57	W. GOODSPEED	APPLE AND CEDAR STREETS, WRIGHTWOOD, SAN BERNARDINO COUNTY
1129	S	20-87	340	34 02 52	118 54 57	M.E. GORDON	34035 PACIFIC COAST HIGHWAY, MALIBU, WEST OF NICHOLAS CANYON, SANTA MONICA MTS.
1130	S	79-25	4130	34 26 34	117 40 25	TOM BUCHANAN	SOUTHWEST OF HIGHWAY 138 AND FORT TEJON ROAD, PUZZLE CANYON, SAN GABRIEL MTS.
1131B	S	43-39	704	34 06 25	117 51 39	RICHARD JACKSON	20058 ARROW HIGHWAY, COVINA
1132	S	80-70	2800	34 35 56	118 43 15	U.S.F.S. PERSONNEL	ONE QUARTER MILE WEST OF GOLDEN STATE HIGHWAY AT OAK FLAT, LIEBRE MOUNTAIN
1133	ST	53-59	2600	34 12 23	117 56 43	L.A.C.F.C.D. PERSONNEL	FISH CANYON, NORTHEAST OF STONE CABIN, SAN GABRIEL MOUNTAINS
1135B	SP	1-82	250	33 46 37	118 25 15	COL. W.C. PLATT	2105 PALOS VERDES DRIVE WEST, PALOS VERDES ESTATES, LUNADA BAY
1136	S	42-56	580	34 08 25	117 56 47	FIRE STATION PERSONNEL	1135 NORTH FISH CANYON ROAD, DUARTE
1137B	S	49-99	1375	34 12 15	118 18 03	A. MC DONALD	STOUGH CANYON, VERDUGO MTS., ABOVE DEBRIS BASIN, NORTH OF BURBANK
1138	S AP	51-95	5950	34 14 45	118 06 15	L.A.C.F.C.D. PERSONNEL	0.3 MILE SOUTHEAST OF MT. DISAPPOINTMENT, SAN GABRIEL MOUNTAINS
1139	SP	2-23	1200	33 45 40	118 22 20	C. WOOD	50 CREST ROAD WEST, ROLLING HILLS
1140	8.81	29-31	305	34 04 53	118 03 55	L.A. CO. F. & F.W. PERSONNEL	9319 EAST VALLEY BOULEVARD, ROSEMEAD
1141	S	72-35	1875	34 26 42	118 21 32	GEORGE SUBLET	0.6 MILE NORTH OF SOLEDAD CANYON ROAD AND SANTA CLARA RIVER, LANG
1142	S	70-78	1200	34 24 50	118 31 25	JOHN PERCIVALLE	22116 W. SOLEDAD CANYON ROAD, EAST OF BOUQUET CANYON ROAD, SAUGUS
1143	S	60-68	1700	34 19 23	118 20 14	EUCLID WHITTEN	LITTLE TUJUNGA CANYON ROAD, 0.5 MILE ABOVE GOLD CREEK ROAD, SAN GABRIEL MTS.
1144	SA	54-53	2200	34 15 43	117 50 40	TED TRAVIS	SAN GABRIEL RIVER NORTH FORK AND BICHOTA CANYON, SAN GABRIEL MTS.
1145	SP	45-56	1605	34 07 57	117 38 38	LIBERTY GROVES PERSONNEL	495 EAST 19TH STREET, UPLAND, SAN BERNARDINO COUNTY
1146	A	52-88	2575	34 12 52	118 01 05	LOUIS LUEBKERT	SANTA ANITA CANYON, NORTH OF FERN LODGE, SAN GABRIEL MOUNTAINS
1147	S	36-65	1000	34 08 52	118 31 53	ELMER BORDER	5011 NESTLE STREET, TARZANA, EL CABALLERO COUNTRY CLUB
1148	S	30-95	550	34 02 48	117 54 17	E.S. GALSTER	1732 AZUSA AVENUE, NORTH SLOPE OF SAN JOSE HILLS, WEST COVINA
1149	SP	49-93	1460	34 15 34	118 18 19	FRANK T. STEVENS	10635 LEOLANG AVENUE, SUNLAND
1150	S	49-00	1350	34 17 54	118 23 41	U.S.F.S. EMPLOYEES	INDIAN CANYON, SAN GABRIEL MOUNTAINS, ABOVE LOPEZ CANYON
1151	SP	40-82	1020	34 10 15	118 06 40	CITY OF PASADENA EMPLOYEES	EAST OF ALLEN AVENUE AND NORTH OF WASHINGTON STREET, PASADENA
1152	SP	51-42	3650	34 16 15	118 09 13	U.S.F.S. PERSONNEL	ANGELES CREST HIGHWAY AND ANGELES FOREST HIGHWAY, SAN GABRIEL MOUNTAINS
1153	S	65-04	6810	34 21 08	117 53 46	E.T. HENSLEY	ANGELES CREST HIGHWAY AT KRATKA SKI LIFT, SAN GABRIEL MOUNTAINS
1154	S	88-30	2615	34 35 40	117 58 10	E.F. GRAHAM	39161 90TH STREET EAST, PALMDALE
1155	S	7-50	60	33 53 53	118 20 35	CAPT. C.H. KEYLOW	4322 WEST 147TH STREET, LAWNDALE
1158	S	2-60	102	33 47 59	118 20 08	ROY POOLER AND MAX BOAL	3201 PACIFIC COAST HIGHWAY, TORRANCE, TORRANCE MUNICIPAL AIRPOFT
X12C	S	90-42	2900	34 34 02	117 45 15	R.A. KEWISH	37712 210TH STREET EAST, LANCASTER, WILSONA DISTRICT
X15	S	116-16	3075	34 44 04	117 46 50	MRS. M.R. CARD	19562 EAST AVENUE G, LANCASTER, HI VISTA DISTRICT
X19	SP	50-43	3400	34 15 52	118 15 11	U.S.F.S. PERSONNEL	WEST SIDE COOKS CANYON, SAN GABRIEL MOUNTAINS
X21B	SP	50-63	4390	34 15 38	118 13 47	U.S.F.S. PERSONNEL	DUNSMORE CANYON, WEST OF PICKENS CANYON, SAN GABRIEL MOUNTAINS
X22	ST	65-44	6680	34 21 27	117 51 05	L.A.C.F.C.D. PERSONNEL	ISLIP SADDLE, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X23	ST	66-12	7280	34 22 16	117 46 51	L.A.C.F.C.D. PERSONNEL	DORR CANYON, EAST OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X24	ST	66-82	7360	34 22 30	117 43 05	L.A.C.F.C.D. PERSONNEL	GRASSY HOLLOW, NORTH OF ANGELES CREST HIGHWAY, SAN GABRIEL MOUNTAINS
X25	ST	67-03	7880	34 21 58	117 41 27	L.A.C.F.C.D. PERSONNEL	BEAR GULCH, BLUE RIDGE, SAN GABRIEL MOUNTAINS
X26	ST	67-25	8450	34 20 57	117 40 23	L.A.C.F.C.D. PERSONNEL	NORTH OF PRAIRIE FORK ROAD NORTHWEST OF MT. BALDY, SAN GABRIEL MOUNTAINS
X27	ST	67-56	8125	34 20 20	117 38 55	L.A.C.F.C.D. PERSONNEL	BLUE RIDGE EAST OF SAN BERNARDINO COUNTY LINE, SAN GABRIEL MOUNTAINS
X28B	A	67-14	8130	34 21 29	117 40 54	D.O. BURNS	TOP OF HOLIDAY HILL CHAIR LIFT, NORTH OF PRAIRIE FORK ROAD, SAN GABRIEL MTS.
X29	SA	53-97	4100	34 13 35	117 54 28	L.A.C.F.C.D. PERSONNEL	0.5 MILE WEST NORTHWEST OF PINE MOUNTAIN, SAN GABRIEL MOUNTAINS
X30	SA	51-04	3050	34 15 33	118 11 32	U.S.F.S. PERSONNEL	ANGELES CREST HIGHWAY, NORTH OF DARK CANYON, SAN GABRIEL MOUNTAINS
X31	S AP	51-06	3250	34 14 05	118 11 47	U.S.F.S. PERSONNEL	WEST OF ANGELES CREST HIGHWAY AND SOUTH OF MT. LUKENS TRUCK TRAIL, SAN GABRIEL MTS.
X32	8.81	50-97	1925	34 13 28	118 12 17	L.A.C.F.C.D. PERSONNEL	HAY DEBRIS BASIN, HAY CANYON, SAN GABRIEL MOUNTAINS
X33	8.81	50-66	1890	34 14 07	118 14 12	L.A.C.F.C.D. PERSONNEL	NORTHEAST OF FRANCES AVENUE AND LA CRESCENTA AVENUE, LA CRESCENTA

TABLE VIII

RAIN GAGE STATION LOCATION

SEASON 1962-63

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
4B	S	34-49	800	34 06 11	118 45 16	HENRY R. READ	SOUTH OF MALIBU LAKE, SANTA MONICA MOUNTAINS
42C	S	7-15	70	33 50 43	118 23 20	FRED M. ARNOLD	415 DIAMOND STREET, REDONDO BEACH
44A	S	1-95	125	33 44 30	118 24 38	G.W. TAYLOR	POINT VINCENTE LIGHTHOUSE, SOUTHWEST OF PALOS VERDES DRIVE WEST
63C-E	SA	41-81	1400	34 11 03	118 01 12	ROBERT E. SANDERS	WEST SIDE OF BIG SANTA ANITA CANYON, WEST OF BIG SANTA ANITA DAM
82F	S	67-11	7420	34 22 56	117 40 39	CHARLES F. CAPEN	TOP OF TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK, SAN GABRIEL MTS.
104	S	30-09	575	34 00 26	117 59 42	JOHN THOMAS	14570 EAST ORANGE GROVE AVENUE, LA PUENTE
119F	S	25-34	396	34 03 27	118 27 37	SECURITY GUARD PERSONNEL	NATIONAL MILITARY HOME, WILSHIRE AND SEPULVEDA BOULEVARDS, SAWTELLE
170D	S	29-15	285	34 02 34	118 04 50	GORDON SMITH	1118 NORTH WALNUT GROVE AVENUE, POTRERO HEIGHTS ABOVE WHITTIER NARROWS DAM
181B	S	29-94	293	34 03 09	118 00 04	R.S. CLIFFORD	13010 EAST VALLEY BOULEVARD, LA PUENTE
190B	SA	59-37	1490	34 19 46	118 28 00	PAUL ARIAS	15501 WEST FOOTHILL BOULEVARD, SAN FERNANDO
213F	SA	26-43	175	34 03 50	118 21 25	L.A.C.F.C.D. PERSONNEL	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
230D	SP	44-68	1250	34 06 42	117 43 54	C.F. ELDER	899 MARYHURST DRIVE, CLAREMONT
236B	S	59-88	1455	34 19 12	118 24 59	CARL GOFF	13039 HUBBARD AVENUE, SAN FERNANDO
255D	S	31-65	780	34 02 58	117 50 14	WILLIAM TICE	MOUNT SAN ANTONIO COLLEGE, SAN JOSE HILLS, WALNUT
264B	SA	59-81	1850	34 22 55	118 24 40	R.G. HANNUM	EAST OF SAND CANYON ROAD AND PLACERITA CANYON ROAD JUNCTION, SAN GABRIEL MTS.
277	S	108-17	3700	34 43 15	118 35 00	JACK BARNETT	25202 WEST PINE CANYON ROAD, 8.7 MILES NORTHWEST OF LAKE HUGHES POST OFFICE
292D-E	S AP	36-85	1075	34 08 56	118 30 57	PAUL CUNNINGHAM	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO
306D	S	21-56	15	34 01 55	118 50 45	J. ASNER	30918 BROAD BEACH, MALIBU, TRANCAS BEACH
312B	S	42-85	682	34 08 54	117 54 48	A.S. BLAIR	ONE MILE NORTHWEST OF AZUSA, 615 WEST SIERRA MADRE AVENUE, AZUSA
349D	S	54-35	1510	34 14 28	117 51 45	L.A.C.F.C.D. PERSONNEL	0.3 MILE NORTH OF CAMP RINCON, SAN GABRIEL CANYON, WEST FORK, SAN GABRIEL MTS.
355B	S AP	27-01	330	34 05 17	118 17 29	J. VERNON	855 NORTH VERMONT AVENUE, LOS ANGELES
477D	SA	53-18	4655	34 12 52	117 58 56	H.E. WILSON	UPPER EAST FORK, SANTA ANITA CANYON, WEST OF SPRING CAMP, SAN GABRIEL MTS.
493C	SA	59-80	1750	34 23 40	118 24 42	FRED C. HANSEN	15665 WEST IRON CANYON ROAD, SAUGUS, SAN GABRIEL MOUNTAINS
560B	S	44-48	1235	34 06 57	117 45 04	LOUIE A. AMASON	240 AMHERST STREET, LA VERNE
666	S AP	9-02	55	33 52 20	118 11 55	LLOYD E. BALL	271 EAST NEECE STREET, LONG BEACH
676	4½"P	13-93	173	33 57 58	118 18 24	H.F. PARKINSON	1727 WEST 80TH STREET, LOS ANGELES
720B	SP	46-33	1085	34 15 40	118 40 10	FIRE STATION PERSONNEL	1262 CYPRESS STREET, SUSANA KNOLLS
746B	SP	K. CO.	2680	35 02	118 09	RADIO STATION PERSONNEL	1.55 MILES EAST, SOUTHEAST OF MOJAVE POST OFFICE, RADIO STATION KDOL
784	SP	51-38	1515	34 12 56	118 10 10	U.S.F.S. PERSONNEL	0.3 MILE ABOVE MOUTH OF COON CANYON, IN ARROYO SECO
785	SP	51-38	1707	34 13 18	118 09 50	U.S.F.S. PERSONNEL	0.5 MILE ABOVE MOUTH OF COON CANYON, IN ARROYO SECO
787	SP	51-38	2022	34 13 09	118 09 51	U.S.F.S. PERSONNEL	0.9 MILE ABOVE MOUTH OF COON CANYON ON EAST SIDE SLOPE, ARROYO SECO
1021D	ST	61-14	4500	34 21 03	118 16 53	L.A.C.F.C.D. PERSONNEL	7.2 MILES EAST OF DILLON DIVIDE NEAR MT. GLEASON AND YERBA BUENA TRAILS, S. G. MTS.
1045B	S	1-95	225	33 44 52	118 24 27	C. WOOD	30923 PALOS VERDES DRIVE WEST, ROLLING HILLS
1056	S	113-72	2315	34 46 20	118 01 40	H.A. MC CARGAR	0.3 MILE WEST OF 60TH STREET EAST AND AVENUE D8, LANCASTER
1058B	SP AP	87-01	2595	34 35 17	118 05 31	J.H. NICHOLS	2005 EAST AVENUE Q, PALMDALE
1064B	ST	55-45	2020	34 14 28	117 45 36	L.A.C.F.C.D. PERSONNEL	1.2 MILES ABOVE CATTLE CANYON, EAST FORK, SAN GABRIEL RIVER
1084	8.81	59-76	1680	34 19 50	118 25 45	L.A.C.F.C.D. PERSONNEL	MAY CANYON, NORTH OF SAN FERNANDO
1098	SP	19-11	950	33 59 05	117 47 00	O.C.F.C.D. PERSONNEL	TONNER CANYON ROAD, 3/4 MILE EAST OF SAN BERNARDINO COUNTY LINE
1112	ST	54-31	4025	34 17 04	117 51 58	L.A.C.F.C.D. PERSONNEL	WEST OF SMITH CANYON, BEAR CANYON, SAN GABRIEL MOUNTAINS
1116	S AP	4-70	15	33 47 38	118 07 15	BAIRD MILNOR	2124 SAN ANSELINE AVENUE, LONG BEACH
1121B	S	52-22	5520	34 16 43	118 04 26	MICHAEL SUGGS	BARLEY FLAT, SAN GABRIEL MOUNTAINS
1147	S	36-65	1000	34 08 52	118 31 53	ELMER BORDER	5011 NESTLE STREET, TARZANA
1156	SP	27-54	375	34 03 32	118 14 50	EUGENE E. STAATS	730 WEST TEMPLE STREET, LOS ANGELES
1157	SP AP	47-66	857	34 14 17	118 31 48	DR. ARNOLD COURT	18111 NORDHOFF STREET, NORTHRIDGE
1160	A	52-74	3200	34 15 02	118 01 30	L.A.C.F.C.D. PERSONNEL	SAN GABRIEL-WEST FORK, EAST OF SHORTCUT CANYON, SAN GABRIEL MOUNTAINS
1161	SP	50-66	1885	34 13 52	118 13 50	ROBERT GREGG	5118 CIRCLE VISTA, LA CRESCENTA
X30	SA	51-04	3050	34 15 33	118 11 32	U.S.F.S. PERSONNEL	NEAR ANGELES CREST HIGHWAY, NORTH OF DARK CANYON
X32	8.81	50-97	1925	34 14 10	118 14 12	L.A.C.F.C.D. PERSONNEL	NORTHEAST OF FRANCES AND LA CRESCENTA AVENUE, LA CRESCENTA

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

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

QUAD INDEX NUMBERS

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

NOTE: RAIN GAGE STATIONS FOR SEASONS 1962-63 WERE IDENTICAL WITH SEASON 1961-62 EXCEPT AS SHOWN FOR 1962-63.

TABLE IX

91-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" LITTLE ROCK-BIG ROCK	"F" SANTA MONICA MOUNTAINS	"G" SANTA CLARA	"H" DESERT	COUNTY INDEX*
1872-73	98	97	79	79	78	98	86	79	86
74	157	157	154	154	154	157	155	154	155
75	125	123	85	86	82	125	99	85	99
76	172	169	127	128	125	172	143	128	143
77	37	24	28	28	21	25	18	17	24
78	140	126	140	139	96	126	71	65	102
79	75	58	74	73	53	59	41	38	55
1879-80	128	112	128	128	133	112	125	135	127
1880-81	81	67	80	80	70	69	60	62	69
82	66	59	69	68	76	60	78	81	73
83	72	64	77	76	59	65	55	47	61
84	241	227	245	248	269	230	269	292	261
85	58	57	60	58	57	58	52	57	57
86	153	144	134	135	176	139	175	201	166
87	86	86	80	82	109	85	110	126	102
88	108	85	130	126	117	91	110	112	111
89	129	127	134	134	140	127	136	146	136
1889-90	161	206	199	205	219	177	228	237	211
1890-91	96	80	108	104	102	86	94	97	96
92	80	63	84	84	77	70	73	73	76
93	162	142	165	158	138	134	129	126	141
94	49	38	58	54	53	38	48	50	49
95	107	113	126	124	121	110	103	111	112
96	62	53	56	55	57	54	53	48	54
97	127	114	111	108	121	111	118	131	121
98	51	42	53	46	34	39	24	30	37
99	47	29	40	31	31	30	35	34	35
1899-00	64	52	56	53	56	56	49	44	52
1900-01	105	108	117	104	98	107	107	103	106
02	75	59	65	67	64	62	57	58	63
03	147	122	123	123	120	127	116	110	122
04	57	53	57	63	48	59	46	40	50
05	124	104	130	124	129	108	139	134	128
06	149	123	128	137	127	125	118	122	128
07	129	148	138	146	152	152	168	162	152
08	89	94	92	98	97	92	99	97	95
09	123	114	126	112	103	108	94	81	102
1909-10	85	77	91	88	118	78	104	106	96
1910-11	114	122	127	152	152	121	142	136	134
12	59	88	74	86	89	84	88	69	77
13	74	88	79	78	68	78	81	70	76
14	143	168	166	179	172	161	160	147	158
15	141	128	124	116	119	141	132	137	132
16	143	133	142	155	127	127	129	114	131
17	98	99	95	94	72	94	69	68	82
18	96	113	93	110	104	113	110	96	103
19	72	76	71	72	66	69	75	75	73
1919-20	77	85	92	109	99	82	93	80	88
1920-21	100	110	100	97	92	93	97	93	97
22	120	143	140	199	178	132	156	153	153
23	74	74	79	102	81	70	85	78	81
24	48	50	55	58	53	47	48	55	52
25	53	64	63	72	59	56	63	53	59
26	85	124	118	130	114	113	118	107	112
27	103	131	123	115	121	118	115	115	115
28	88	69	75	62	70	69	65	62	69
29	78	75	80	73	60	78	70	64	71
1929-30	77	79	80	79	57	73	77	81	78
1930-31	83	94	84	76	77	89	97	112	94
32	109	127	113	116	136	108	136	146	128
33	74	80	68	70	65	72	81	77	75
34	76	104	101	74	58	86	60	42	67
35	136	128	131	121	141	114	138	166	141
36	77	80	78	76	50	77	71	48	67
37	148	145	150	150	135	140	155	140	146
38	144	152	149	159	159	150	155	150	152
39	116	117	108	101	119	127	119	140	122
1939-40	98	97	83	69	77	100	74	80	83
1940-41	226	237	215	171	199	250	234	231	222
42	83	78	75	62	94	82	80	90	81
43	115	153	140	162	162	152	161	151	149
44	130	138	114	132	159	144	162	227	165
45	93	89	89	97	101	86	91	103	95
46	81	82	79	97	106	87	102	102	94
47	91	90	87	98	101	91	102	101	97
48	45	47	55	49	62	51	54	66	55
49	58	52	59	53	61	58	60	70	61
1949-50	73	69	74	61	63	78	65	52	64
1950-51	55	56	52	38	43	56	43	37	45
52	161	193	163	157	159	208	179	184	176
53	70	69	66	51	61	75	64	67	65
54	92	82	85	85	88	98	85	91	88
55	82	84	75	69	79	87	83	83	81
56	107	101	90	73	76	103	82	62	82
57	67	79	74	68	66	81	73	73	72
58	160	160	163	161	161	181	174	163	165
59	44	49	46	53	66	57	60	53	53
1959-60	69	57	57	43	48	68	48	55	55
1960-61	35	39	32	39	50	42	40	47	41
62	138	141	121	113	129	167	136	113	127
63	81	67	66	65	69	76	68	74	70
90-YEAR NORMAL RAINFALL	13.78	17.03	18.52	28.19	19.24	18.50	16.39	7.89	15.66
1961-62 RAINFALL	19.02	24.01	22.41	31.85	24.82	30.90	22.29	8.92	19.89
1962-63 RAINFALL	11.20	11.46	12.32	18.30	13.31	13.07	10.99	5.87	10.96
AREA IN SQUARE MILES	573	305	285	536	165	228	738	1122	3952

NOTE: *INDICATES WEIGHTED AVERAGE INDEX OF AREAS

TABLE X

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PER CENT YIELD AT SELECTED RESERVOIRS

SEASONS 1931-32 THROUGH 1962-63

SEASON	PACOIMA RESERVOIR DRAINAGE AREA 28.2 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	BIG TUJUNGA RESERVOIR DRAINAGE AREA 82.3 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	DEVIL'S GATE RESERVOIR DRAINAGE AREA 31.9 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	EATON WASH RESERVOIR DRAINAGE AREA 9.5 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	BIG SANTA ANITA RESERVOIR DRAINAGE AREA 10.8 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	SAWPIT RESERVOIR DRAINAGE AREA 3.3 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD
1931-32	5.81	32.29	18										6.94	40.48	17	4.02	36.91	11
33	1.43	20.04	7	9.89	20.72	5							3.79	23.34	16	1.04	19.61	5
34	2.30	22.50 1/	10 1/	10.12	20.20 1/	5 1/	1.73	24.80 1/	7 1/				4.50	34.60 1/	13 1/	2.65	33.20 1/	8 1/
35	3.70	36.04	10	27.32	37.28	7	2.26	34.86	6				6.39	43.88	15	3.10	36.79	8
36	2.06	23.30	9	8.83	20.49	4	2.03	23.35	9				4.29	30.53	14	3.25	27.96	12
37	10.46	43.32	24	6.14	41.38	15	7.07	39.37	18	6.06	44.47	14	15.22	54.50	28	8.12	48.15	17
38	17.21	45.77	38	14.78	42.69	35	14.95	42.53	35	13.83	46.38	30	28.72	56.60	51	16.46	48.47	34
39	2.34	29.51	8	2.26	29.66	8	1.79	28.46	6	.67	32.00	2	4.72	33.41	14	1.31	33.99	4
1939-40	2.13	24.16	9	1.61	20.40	8	0.79	20.83	4	.67	21.98	3	4.75	25.57	19	1.49	25.75	6
41	17.14	50.90	34	13.53	52.44	26	15.88	57.51	28	14.48	59.02	25	26.35	64.75	41	12.34	58.75	21
42	1.28	17.12	7	1.62	18.64	9	0.40	17.88	2	.15	19.01	1	3.58	20.44	18	.60	21.15	3
43	13.76	37.52	37	12.05	41.25	29	15.08	43.42	35	14.26	49.78	29	33.52	62.57	54	16.79	55.19	30
44	9.98	35.20	28	9.63	39.32	24	5.10	33.54	15	5.74	38.05	15	12.92	40.68	32	4.23	37.08	11
45	3.24	25.02	13	3.01	26.34	11	1.38	22.74	6	.65	25.24	3	7.18	29.50	24	1.79	29.25	6
46	3.06	26.68	11	2.63	25.87	10	1.76	26.11	7	1.02	25.96	4	5.93	30.21	20	1.44	27.22	5
47	2.90	27.19	11	2.96	26.31	11	2.38	29.76	8	1.48	33.12	4	7.77	40.89	19	2.05	33.41	6
48	0.25	14.38	2	0.61	13.40	5	0.15	13.35	1	.13	14.70	1	1.86	17.38	11	.13	16.27	1
49	0.48	15.46	3	0.49	13.56	4	0.17	16.11	1	.07	17.87	+	1.78	21.50	8	.24	19.96	1
1949-50	0.71	18.41	4	0.46	15.81	3	0.35	20.01	2	.37	22.78	2	2.35	28.23	8	.49	24.25	2
51	0.09	11.18	1	0.19	9.61	2	0.11	12.28	1	.09	13.82	1	.80	15.76	5	.18	15.84	1
52	11.17	42.35	26	6.22	38.56	16	7.34	44.69	16	5.21	46.69	11	14.55	55.81	26	6.29	50.89	12
53	0.64	14.32	4	0.80	12.48	6	0.46	14.77	3	.29	16.35	2	2.70	20.47	13	.50	18.80	3
54	1.96	22.59	9	1.23	20.54	6	1.05	22.44	5	1.05	23.58	4	5.71	28.68	20	1.55	24.65	6
55	0.50	16.98	3	0.60	17.32	3	0.50	18.90	3	.29	21.20	1	2.48	23.83	10	.80	22.12	4
56	0.97	20.51	5	0.69	17.90	4	1.49	21.97	7	.65	24.14	3	3.84	28.29	14	1.15	26.09	4
57	0.38	18.41	2	0.45	16.70	3	0.78	19.64	4	.25	20.25	1	2.66	24.42	11	.45	23.00	2
58	10.52	38.87	27	6.28	40.25	16	6.89	38.96	18	6.16	41.58	15	20.24	50.01	40	7.76	46.36	17
59	0.52	11.54	5	0.78	12.15	6	0.83	12.89	6	.60	12.77	5	3.78	17.42	22	4.61	15.93	29
1959-60	0.08	10.36	1	0.27	9.91	3	0.62	11.67	5	.12	13.92	1	1.65	16.82	10	1.14	16.86	7
61	0.04	11.04	+	0.19	9.67	2	0.61	9.98	6	.12	10.15	1	.91	12.26	7	.63	11.22	6
62	4.21	31.09	14	3.81	26.35	14	4.77	28.89	17	3.42	33.86	10	10.95	44.87	24	7.18	37.53	19
63	0.26	15.78	2	0.39	15.80	2	0.71	17.08	4	0.35	18.64	2	2.83	21.65	13	1.45	20.29	7
AVERAGE	4.11	25.31	16	4.83	24.29	20	3.31	25.63	13	2.90	27.68	10	7.99	33.10	24	3.60	30.09	12

SEASON	COGSWELL RESERVOIR DRAINAGE AREA 39.2 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	SAN GABRIEL RESERVOIR DRAINAGE AREA 163.5 SQ. MI. 2/ INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	BIG DALTON RESERVOIR DRAINAGE AREA 4.5 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	SAN DIMAS RESERVOIR DRAINAGE AREA 16.2 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	LIVE OAK RESERVOIR DRAINAGE AREA 2.3 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD	THOMPSON CREEK RESERVOIR DRAINAGE AREA 3.5 SQ. MI. INFLOW IN INCHES DEPTH	RAIN IN INCHES DEPTH	PER CENT YIELD
1931-32							2.87	30.72	9	2.90	33.40	9				0.43 1/	29.21	21/
33							0.33	15.25	2	0.75	16.52	5				0.00	15.97	0
34							1.87	26.70 1/	7 1/	1.56	31.20 1/	5 1/				3/		-
35							2.47	33.14	7	2.03	33.03	6	0.22	27.84	1	+	29.54	+
36	3.42	27.01	13				1.50	24.99	6	1.27	22.92	6	3/	19.00	-	+	19.00	+
37	15.77	53.63	29				7.83	41.66	19	7.31	40.45	18	4.03	38.15	11	1.47	40.35	4
38	28.84	57.28	50				13.63	42.17	32	14.46	45.04	32	6.52	38.18	17	5.89	38.99	15
39	5.52	36.53	15	5.31	34.46	15	1.17	26.22	4	2.50	29.57	8	0.17	24.12	1	0.11	24.88	+
1939-40	4.60	26.15	18	4.66	26.02	18	0.97	20.08	5	1.77	21.59	8	0.13	18.98	1	0.26	20.01	1
41	29.90	66.72	44	23.46	60.67	39	11.53	47.77	24	11.16	47.95	23	5.86	43.38	14	3.43	44.61	8
42	2.91	23.02	13	4.08	24.16	17	0.87	16.70	5	1.86	16.84	11	0.00	14.60	0	+	15.17	+
43	26.25	58.30	45	20.68	52.84	39	13.10	42.91	31	10.73	43.35	25	6.74	35.00	19	4.11	36.00	11
44	18.24	46.12	40	14.01	44.81	31	4.53	31.70	14	6.19	31.31	20	1.78	25.50	7	1.53	27.50	6
45	5.68	29.73	19	7.75	32.45	24	3.06	29.50	10	4.34	29.46	15	1.44	25.23	6	0.80	25.50	3
46	7.03	35.77	20	7.90	33.73	23	2.19	25.40	9	2.96	25.47	12	0.86	20.50	4	0.79	22.93	3
47	9.62	35.92	27	8.32	36.85	23	2.05	26.71	8	3.13	26.74	12	0.52	21.95	2	0.47	23.66	2
48	1.48	18.15	8	2.49	17.69	14	0.24	15.00	2	0.83	15.57	5	0.00	13.50	0	0.00	14.49	0
49	1.39	19.41	7	2.09	20.09	10	0.39	12.50	3	0.84	17.53	5	0.00	16.30	0	0.00	17.72	0
1949-50	1.80	22.37	8	2.31	22.40	10	0.59	19.95	3	0.85	20.75	4	0.04	18.39	+	0.03	19.51	+
51	0.42	13.06	3	0.91	12.89	7	0.11	12.32	1	0.35	12.15	3	0.00	11.75	0	0.00	12.15	0
52	16.15	50.07	32	12.70	48.59	26	6.77	42.00	16	5.63	41.00	14	2.95	35.93	8	1.68	37.11	5
53	2.11	16.81	13	2.75	16.81	16	0.50	15.99	3	0.95	16.40	6	0.02	15.83	+	0.06	15.67	+
54	3.82	26.86	14	5.04	28.29	18	1.44	23.09	6	1.75	25.30	7	0.64	21.78	3	1.04	23.93	4
55	1.88	23.27	8	3.42	23.48	15	0.36	18.75	2	0.65	19.10	3	+	15.52	+	0.02	16.38	+
56	1.94	22.91	8	3.01	23.73	13	0.79	21.39	4	0.85	20.83	4	0.63	19.83	3	0.31	20.06	2
57	1.64	22.53	7	3.18	22.52	14	0.32	20.25	2	0.52	19.79	3	0.02	18.74	+	0.02	19.04	+
58	17.44	50.13	35	18.65	51.77	36	8.77	53.25	16	7.85	49.80	16	5.70	42.74	13	2.08	45.38	5
59	2.34	17.20	14	3.57	18.37	19	0.67	13.91	5	1.08	14.32	8	0.04	10.97	+	0.03	11.80	+
1959-60	0.92	13.45	7	1.66	16.69	10	0.22	14.25	2	0.47	14.88	3	0.00	12.62	0	0.01	13.86	+
61	0.53	11.22	5	1.09	12.34	9	0.78	10.00	8	0.54	10.82	5	0.04	9.70	+	0.03	10.46	+
62	12.19	39.53	31	8.90	36.46	24	5.09	27.54	18	3.71	29.62	13	1.52	26.95	6	0.54	27.56	2
63	1.54	20.54	7	2.97	18.41	16	1.03	17.75	6	1.17	19.26	6	0.10	17.71	1	0.47	18.20	3
AVERAGE	8.05	31.56	26	6.84	29.46	23	3.06	25.61	12	3.22	26.31	12	1.43	22.78	6	0.83	23.76	3

LEGEND

1/ ESTIMATED AMOUNT
2/ COGSWELL DAM WATERSHED EXCLUDED
3/ NOT DETERMINED
+ NEGLIGIBLE AMOUNT

San Gabriel Reservoir

LACFCD Hydrologic Report
July 1, 1964

Revised Data from Paul Haig 4-12-67

	Inflow in inches Depth	Rain in inches Depth	Percent Yield
1939	6.41	34.46	19
1940	5.62	26.02	22
1941	28.31	60.67	47
1942	4.93	24.16	20
1943	24.95	52.84	47
1944	16.91	44.81	38
1945	9.36	32.45	29
1946	9.54	33.73	28
1947	10.04	36.85	27
1948	3.01	17.69	17
1949	2.52	20.09	13
1950	2.78	22.40	12
1951	1.10	12.89	9
1952	15.32	48.59	32
1953	3.32	16.81	20
1954	6.08	28.29	21
1955	4.13	23.48	18
1956	3.63	23.73	15
1957	3.84	22.52	17
1958	22.50	51.77	43
1959	4.31	18.37	23
1960	2.00	16.69	12
1961	1.32	12.34	11
1962	10.74	36.46	29
1963	2.43	18.41	13
25-year Total	205.10	736.52	27.85
25-year Average	8.20	29.46	27.85

} ECK calculations


ANTELOPE VALLEY
MOJAVE DESERT
LIEBRE MOUNTAIN
SAWMILL MOUNTAIN
PORTAL RIDGE
SIERRA PELONA
SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PINYON RIDGE
PLEASANT VIEW RIDGE
SAN JOSE HILLS
PUENTE HILLS
BALDWIN HILLS
DOMINGUEZ HILLS
PALOS VERDES HILLS
ROSAMOND LAKE
Neenach
Fairmont
Lancaster
Del Sur
Elizabeth Lake
Palmdale
Little Rock
Acton
Saugus
Newhall
San Fernando
Burbank
Glendale
Pasadena
Monrovia
Azusa
Glendora
Claremont
Pomona
Covina
Baldwin Park
El Monte
Alhambra
Hollywood
Beverly Hills
Santa Monica
Culver City
LOS ANGELES
Montebello
Whittier
Inglewood
El Segundo
Redondo Beach
Torrance
LONG BEACH
SIGNAL HILL
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
PACIFIC OCEAN
LEGEND
FLOOD CONTROL STANDARD GAGES
FLOOD CONTROL 8.81" DIAMETER GAGES
FLOOD CONTROL STORAGE TYPE GAGES
FLOOD CONTROL AUTOMATIC GAGES
STANDARD GAGES (OTHER THAN F.C. DIST.)
AUTOMATIC GAGES (OTHER THAN F.C. DIST.)
191B CAPITAL LETTERS (A,B,etc.) FOLLOWING A STATION NUMBER DENOTE SUCCESSIVE LOCATIONS OF A GAGE IN A LOCALITY
-E AT A STATION DENOTES AN EVAPORATION PAN
LINES OF EQUAL RAINFALL IN INCHES DEPTH
SCALE
MILES
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
LOCATION OF
ACTIVE RAINGAGES
AND
ISOHYETAL MAP
SEASON 1961 - 1962
APPROVED BY
CHIEF ENGINEER
SUBMITTED BY
CHIEF, HYDRAULIC DIVISION
RECOMMENDED BY
ASST. CHIEF DEPUTY ENGR.
DATE 2-63
2-H172
COMPILED BY P.A.H.
CHECKED BY E.G.
DRAWN BY M.A.I.
MAP 1

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

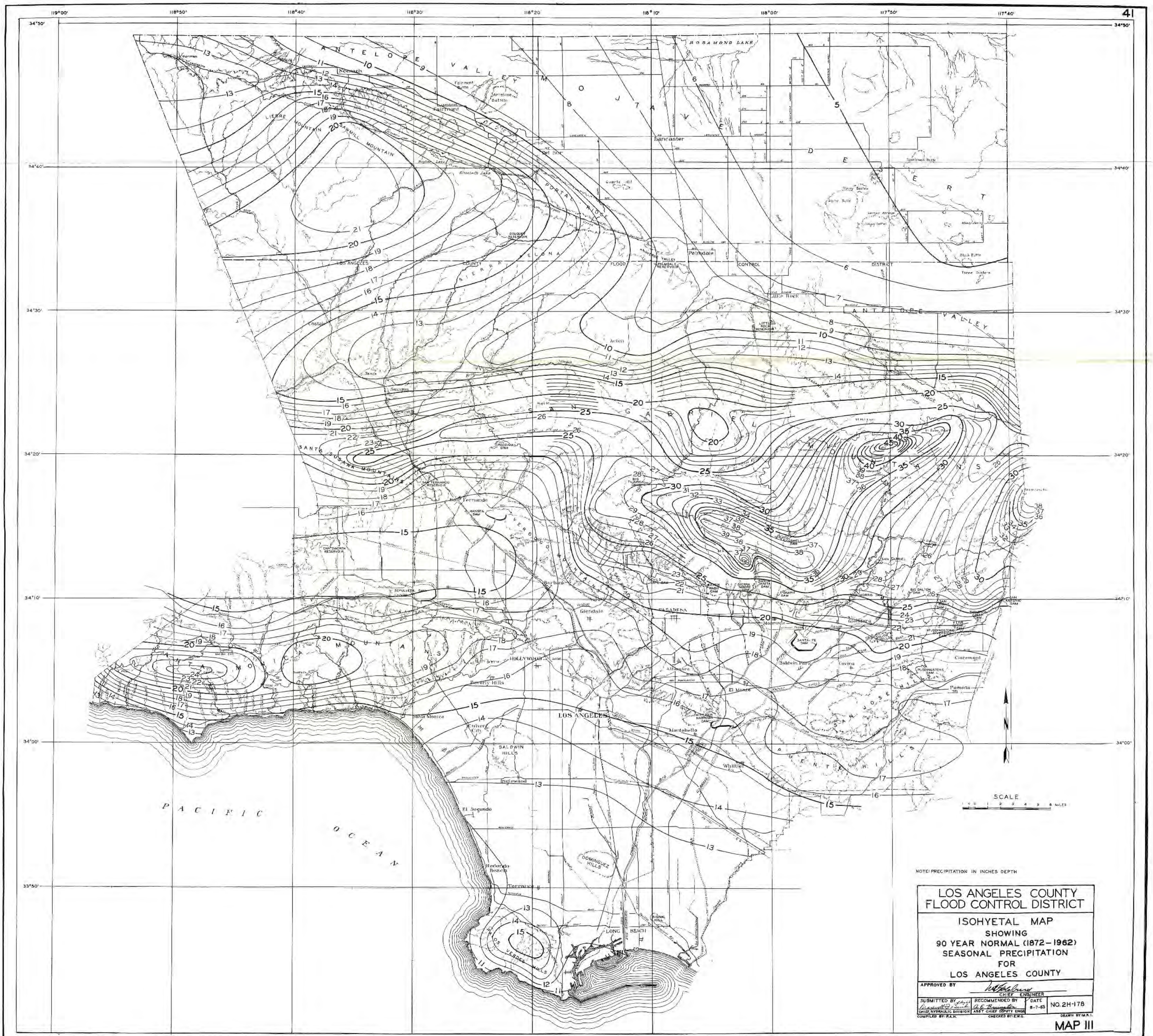
SEASON 1962 - 1963

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY	RECOMMENDED BY	DATE	
CHIEF, HYDRAULIC DIVISION	ASST. CHIEF DEPUTY ENGR.	2-63	2-H181

COMPILED BY P.A.H. CHECKED BY M.P.D. DRAWN BY J.A.L.

MAP II



NOTE: PRECIPITATION IN INCHES DEPTH

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

ISOHYETAL MAP SHOWING 90 YEAR NORMAL (1872–1962) SEASONAL PRECIPITATION FOR LOS ANGELES COUNTY

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY	RECOMMENDED BY	DATE	NO. 2H-178
CHIEF, HYDRAULIC DIVISION	ASS'T CHIEF DEPUTY ENGR.	8-7-63	

COMPILED BY: R.A.N. CHECKED BY: E.W.G. DRAWN BY: M.K.T.

MAP III

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for active evaporation stations reporting to the District during the 1961-62 and 1962-63 seasons. Daily records of active and inactive District stations as well as some stations of other agencies, are available in the District's files. Monthly and seasonal evaporation has been published in the District's Annual or Biennial Reports on Hydrologic Data since the 1931-32 season.

SUMMARY OF EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at stations within the County for the seasons 1961-62 and 1962-63. For comparative purposes, only the evaporation amounts from a 24-inch diameter land evaporation pan equipped with a screen were used. Monthly amounts which have been estimated, due to frozen water in pans, are not used.

	1961-62	1962-63
Maximum Seasonal Amount - Palmdale	101.62	88.04
Maximum Monthly Amount - Palmdale	17.40 July	
Maximum Monthly Amount - Acton-Escondido Canyon		13.90 July
Minimum Seasonal Amount - Rio Hondo Spreading Grounds	40.27	
Minimum Seasonal Amount - Opid's (Camp Hi-Hill)		42.18
Minimum Monthly Amount - Rio Hondo Spreading Grounds	0.84 Feb.	
Minimum Monthly Amount - Opid's (Camp Hi-Hill)		1.47 Feb.

Table XI, page 45, lists monthly and seasonal evaporation data including the type of pan used at all active stations during the seasons 1961-62 and 1962-63.

Table XII, page 46 to page 58, of the Biennial Report on Hydrologic Data for 1957-58 and 1958-59 seasons lists a summary of monthly and seasonal evaporation for active and inactive stations.

Map III, page 45, of the Biennial Report on Hydrologic Data for 1959-60 and 1960-61 seasons presents an iso-evaporation map showing 30-year (1929-1959) average equivalent lake evaporation for that portion of the County where measurements are available.

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

LOCATION AND NUMBER OF STATIONS

The District, with the cooperation of the Los Angeles City Department of Water and Power, the Metropolitan Water District, the Southern California Edison Company, the United States Forest Service, County Departments and individuals, received evaporation records from 29 and 30 evaporation stations for the 1961-62 and 1962-63 seasons, respectively. There were 36 evaporation pans utilized during the season 1961-62 and 37 evaporation pans in operation for the 1962-63 season.

Twenty-three and twenty-four pans were on or near reservoirs for the season 1961-62 and 1962-63, respectively. San Gabriel, Cogswell, and Bouquet Canyon Reservoirs are equipped with both lake and land pans. No pans were in use during the 1961-62 season at Encino Reservoir.

LENGTH OF RECORD

A land pan was installed for the first time by the District at Santa Anita Dam in March of 1929. There are 25 evaporation stations which have records of 15 seasons or more in the District's files.

EQUIPMENT

1. Land pan, Type L-24

   Twenty-four inches in diameter by 36 inches deep. Installed in ground 33 inches. Water in pan maintained near ground level.

2. Land pan, Type L-24S

   Same as (L-24) above except that it is equipped with a one-fourth-inch mesh hardware cloth that rests one and one half inches below top of pan.

3. Land pan, Type L-A48

   Forty-eight inches in diameter by 10 inches deep. Installed with water surface approximately 14 inches above ground level. Water surface in pan maintained at 2 - 3 inches below top of pan.

4. Land pan, Type L-72

   Seventy-two inches in diameter by 36 inches deep. Installed in the ground 33 inches. Water in pan maintained near ground level.

5. Land pan, Type L-36

   Thirty-six inches square by 18 inches deep. Installed in the ground 15 inches. Water in pan maintained near ground level.

6. Lake pan, Type F-36

   Thirty-six inches square by 18 inches deep. Mounted on float equipped with a 6-inch baffle. Pan submerged to 15 inches depth. Water in pan maintained near lake level.

RESPONSIBILITY

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

All field and office procedure of this section was under the direction of Maxwell F. Burke, Chief, Hydraulic Division and James H. Brown, Assistant Chief, Hydraulic Division.

TABLE XI

EVAPORATION RECORDS IN INCHES

SEASONS 1961-62, 1962-63

1961-62

STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
23	CHATSWORTH RESERVOIR	L-24S	4.76	3.56	2.09	3.35	1.54	1.99	4.24	4.46	4.92	6.66	7.35	5.63	50.55
33A'	PACOIMA DAM	L-24S	6.95	4.80	4.04	5.46	2.74	3.50	6.28	5.34	5.62	7.28	7.88	6.70	66.59
46D	BIG TUJUNGA DAM	L-24S	8.10	5.28	3.28	4.98	2.32	3.46	6.92	6.18	8.07	10.62	11.68	9.34	80.23
57B	OPID'S (CAMP HI HILL)	L-24S	3.26	2.06	.49#	.40#	INC.#	.62*#	5.00	4.23	6.30	8.38	8.58	6.25	45.57
63B	BIG SANTA ANITA DAM	L-24S	4.74	3.67**	2.98**	3.84	1.97	2.36	3.58	3.06	2.88	4.54	5.13	4.34	43.09**
89B	SAN DIMAS DAM	L-24S	4.60	2.54	1.30	2.08	1.33	1.80	4.34	4.41	5.08	7.13	7.64	5.76	48.01
96B	PUDDINGSTONE DAM	L-24S	4.78	3.15	2.00	2.31	1.25	2.28	4.06	4.38	4.34	6.61	7.82	5.80	48.78
124B	BOUQUET CANYON RESERVOIR	L-36P	7.20	4.55	3.01	4.62	1.59	3.21	6.66	6.55	9.08	11.62	12.34	9.34	79.77
124B	BOUQUET CANYON RESERVOIR	F-36P	6.19	4.23	2.65	3.14	.85	2.06	4.90	5.35	6.44	9.34	9.78	7.58	62.51
127	DRY CANYON RESERVOIR	F-36P	6.56	4.17	2.99	4.18	1.54	3.22	5.16	6.10	6.74	8.82	9.70	7.70	66.88
223B	BIG DALTON DAM	L-24S	6.04	3.83**	2.02**	3.06	1.30**	2.18**	5.22	5.24	5.94	4.48	9.11	7.18	55.60**
237C	STONE CANYON RESERVOIR	L-24SP	6.56	5.31	3.66	5.77	2.06	2.94	5.98	6.19	6.02	7.86	8.64	6.60	67.59
261B	ACTON - ESCONDIDO CANYON	L-24S	8.83	4.85**	3.84**	5.13**	1.75	2.80	6.38	7.38	9.45	12.33	12.43	9.31	84.48
293	VAN NORMAN LAKE - LOWER DAM	L-24SP	7.86	5.86	5.55	7.70	3.13	3.87	6.96	6.32	6.45	8.36	9.74	7.18	78.98
321	PINE CANYON PATROL STATION	L-24S	6.35	3.70	2.40**	2.92#	2.20*	3.05**	6.92	6.75	9.00	11.40	11.75	10.18	76.62**
334B	COGSWELL DAM	L-24S	6.42	3.48	1.89	2.53	1.22**	2.46	5.86	6.03**	8.50	11.36	11.60	9.18	70.53**
334B	COGSWELL DAM	F-36	7.25	N.R.	2.28	2.80	1.46**	3.11	6.32	6.76	9.20	11.12	11.91	9.40	INC.
336	SILVER LAKE RESERVOIR	L-24SP	4.98	3.40	1.81	3.23	2.06	3.21	5.82	6.02	5.52	7.42	7.43	5.94	56.84
336	SILVER LAKE RESERVOIR	L-A48P	5.54	3.86	2.20	4.17	2.67	4.30	6.57	7.03	6.56	8.72	8.61	6.39	66.62
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.79	1.76	1.14	1.20	1.14**	2.26	4.44	5.30	4.92	7.05	7.18	5.29	45.47**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	4.19	2.00	1.19	1.58	1.22**	2.32	4.35	5.02	4.82	7.45	7.82	5.62	47.58**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.95	1.82	1.16	1.32	1.08**	2.70	5.52	6.16	5.92	8.72	9.34	6.52	55.21**
390B	MORRIS DAM	L-72P	5.68	3.40	1.81	2.53	1.19	2.50	5.40	5.42	6.12	8.27	8.72	6.96	58.00
407	NEWHALL R.S. U.S.F.S.	L-24S	6.40	3.86*	INC.	INC.	INC.	INC.	INC.	6.35	6.90	9.52	9.02	7.38	INC.
425B	SAN GABRIEL DAM	L-24S	7.64	4.76	2.58	3.46	1.96*	3.06	6.20	6.08	6.74	9.12	10.63	8.97	71.20**
425B	SAN GABRIEL DAM	F-36	N.R.	3.96**	2.74	3.22**	2.15*	3.08*	N.R.	N.R.	INC.	8.94	10.19	8.54	INC.
425B	SAN GABRIEL DAM	L-24	7.06	4.20	2.44	3.20	1.87*	2.64	5.60	5.64	6.45	8.78	10.06	8.48	66.42**
441C	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	7.90	4.03	2.16	2.00	2.66	3.70	8.78	10.95	13.88	17.40	16.18	11.98	101.62
542	FAIRMONT	L-36P	8.21	4.12	2.45	5.18	1.91	4.32	9.44	10.04	14.63	17.53	17.00	12.78	107.61
794	LOWER FRANKLIN RESERVOIR	L-24SP	6.23	4.97	2.68	4.17	2.35	3.70	5.98	6.12	6.12	7.78	8.54	6.67	65.31
802B	EAGLE ROCK RESERVOIR	L-A48P	5.88	3.43	2.93	5.71	2.62	3.91	6.35	5.56	5.56	7.66	8.79	6.62	64.52
1008	LA FRESA - S.C.E. CO.	L-24S	3.32	1.98**	2.03*	1.72	2.82*	2.48	3.98	4.94	4.58	5.64	6.10	4.96	44.55**
1014D	RIO HONDO SPREADING GROUNDS	L-24S	3.88	2.25**	1.26	1.66	.84	2.14	3.82	4.24	3.96	5.78	6.02	4.42	40.27**
1037	ARCADIA - ARBORETUM	L-24S	4.90	2.70	1.74	1.96	.95	2.44	4.64	4.50	4.63	7.02	7.31	2.39	45.18
1071B	DESCANSO GARDENS	L-24S	5.74	3.63	2.03	2.82**	1.38	2.32	4.57	4.11	4.71	7.10	7.42	6.20	52.03**
1087	GREEN VERDUGO PUMP PLANT	L-A48P	7.47	5.58	4.07	6.20	3.11	5.09	9.43	7.33	7.89	10.52	12.25	9.73	88.67

1962-63

23	CHATSWORTH RESERVOIR	L-24S	3.66	2.71	2.70	2.44	2.20	3.48	3.36	4.02	4.35	6.96	6.68	5.45	48.01
33A'	PACOIMA DAM	L-24S	5.20	4.28*	5.07	4.37	5.17	5.05	4.70	3.80	4.11	7.81	8.36	8.08	66.00**
46D	BIG TUJUNGA DAM	L-24S	7.02	5.32	4.88	3.77	4.29	4.86	4.52	5.25	5.62	11.03	10.38	8.73	75.67
57B	OPID'S (CAMP HI HILL)	L-24S	3.04	1.60	.98#	.70#	1.47*	1.85**	2.32**	4.60	5.18	8.30	7.86	4.28	42.18**
63B	BIG SANTA ANITA DAM	L-24S	3.34	4.24	3.04	2.58	2.50**	2.86**	2.53	2.40	3.46	7.96	7.79	7.62	49.32**
89B	SAN DIMAS DAM	L-24S	3.65	2.62	2.28	1.76	2.20**	2.92**	3.66	4.00	4.08	7.47	6.99	5.75	47.38**
96B	PUDDINGSTONE DAM	L-24S	4.08	3.06	2.74	2.32	2.39**	3.34**	3.84	4.13	4.33	7.49	7.13	6.18	51.03**
124B	BOUQUET CANYON RESERVOIR	L-36P	6.86	5.14	5.34	3.86	4.20	4.99	4.40	6.17	9.10*	13.50*	12.34*	8.10	84.00*
124B	BOUQUET CANYON RESERVOIR	F-36P	6.52	4.70	4.86	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.
127	DRY CANYON RESERVOIR	F-36P	4.76	4.04	3.84	3.30	3.07	3.70	3.79	4.46	5.69	9.18	8.83	6.89	61.55
223B	BIG DALTON DAM	L-24S	4.63	3.58	3.08	2.24	2.73**	3.25**	3.27	3.88	4.10	7.98	7.40	5.77	51.91**
237C	STONE CANYON RESERVOIR	L-24SP	4.85	4.46	3.74	3.55	3.51	5.11	3.90	4.50	4.99	8.12	7.85	6.88	61.46
261B	ACTON - ESCONDIDO CANYON	L-24S	6.81	4.92	5.36	4.40	4.04**	4.65**	4.69	6.52	7.84	13.90	12.00	9.18	84.31**
292D	ENCINO	L-24S	4.58*	4.35*	3.60	3.42	3.32	5.27	4.89	5.04	5.94	8.81	8.86	7.46	65.34*
293	VAN NORMAN LAKE - LOWER DAM	L-24SP	5.86	5.08	5.84	4.77	5.78	5.88	5.25	4.94	4.86	8.50	8.49	8.45	73.71
321	PINE CANYON PATROL STATION	L-24S	5.84	4.18	3.72	2.82#	3.12**	4.60**	3.85	6.52	8.04	10.68	10.65	6.90	70.92**
334B	COGSWELL DAM	L-24S	5.74	4.26	3.28	2.68	3.08**	3.88**	4.49	5.72	6.31	10.79	9.65	7.24	67.12**
334B	COGSWELL DAM	F-36	6.45	4.54	3.60	2.62**	3.02**	4.72**	5.35	6.21	6.54	10.98	10.22	7.69	71.94**
336	SILVER LAKE RESERVOIR	L-24SP	3.94	3.20	2.40	2.60	2.39	4.43	4.36	4.60	4.94	7.42	7.03	5.67	52.98
336	SILVER LAKE RESERVOIR	L-A48P	4.14	3.35	2.69	3.01	3.28	5.43	5.60	5.81	6.11	9.00	8.30	6.65	63.37
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.14	2.04	1.46	1.41	1.56**	3.03	3.49	4.51	4.15	7.19	7.11	4.64	43.73**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	3.38	2.26	1.48	1.60	1.66**	3.27	3.39	4.60	4.11	7.61	7.48	5.06	45.90**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	3.98	2.68	1.82	1.93	1.92**	3.88	4.07	5.60	5.78	9.10	9.38	5.85	55.99**
390B	MORRIS DAM	L-72P	4.62	3.37	2.86	2.11	2.63**	3.62**	4.26	4.90	5.04	8.65	8.40	6.59	57.05**
407	NEWHALL R.S. U.S.F.S.	L-24S	4.92	3.35	3.60	3.28**	2.52	2.86**	3.20*	6.50	5.46	8.95	8.75	7.19	61.08**
425B	SAN GABRIEL DAM	L-24S	6.48	4.74	4.62	3.46	3.39**	4.37	4.66	5.32	5.28	9.45	9.39	8.52	69.68**
425B	SAN GABRIEL DAM	F-36	5.92	4.44	3.88	3.23	3.19**	4.76	5.46	5.84	5.89	9.12	10.14	8.45	70.32**
425B	SAN GABRIEL DAM	L-24	5.90	5.16	4.33	3.26	3.18**	4.14	4.58	5.16	5.20	9.31	9.13	8.24	67.59**
441C	PALMDALE - COUNTY ROAD MAINTENANCE YARD	L-24S	6.82	4.12	2.45	2.80	3.26	5.38**	5.90	10.40	11.46	13.35	13.60	8.50	88.04**
542	FAIRMONT	L-36P	8.08	5.00	3.24#	3.00*	4.10**	5.78**	6.14**	10.65	13.70	19.40	17.19	10.27	106.55**
794	LOWER FRANKLIN RESERVOIR	L-24SP	4.92	4.20	3.41	3.38	3.32	5.06	5.23	5.02	5.50	8.40	8.27	7.21	63.92
802B	EAGLE ROCK RESERVOIR	L-A48P	4.61	3.84	3.38	3.26	3.65	4.86	5.22	4.72	5.01	8.43	8.01	7.60	62.59
1008	LA FRESA - S.C.E. CO.	L-24S	3.51	2.08	1.76	1.76	1.7	3.29	4.08	4.56	4.92	5.93	5.75	4.78	44.13
1014D	RIO HONDO SPREADING GROUNDS	L-24S	3.10	2.30	1.94	2.28**	1.64*	2.98	3.12	3.58	4.60	6.63	6.10	5.39	43.66**
1037	ARCADIA - ARBORETUM	L-24S	3.44	2.84	2.39	1.91	1.98**	2.91	3.34	4.02	3.40	7.22	7.08	5.65	46.18**
1071B	DESCANSO GARDENS	L-24S	4.10	3.54	3.02	2.64	2.87**	8.83	3.49	3.57	3.54	7.03	7.42	5.93	55.98**
1087	GREEN VERDUGO PUMP PLANT	L-A48P	7.06	5.94	5.87	4.60	6.08	6.58	6.18	5.79	6.43	10.93	10.58	11.42	87.46

LEGEND

L-24 LAND PAN 24" IN DIAMETER
L-24S LAND PAN 24" IN DIAMETER, SCREENED
L-24SP LAND PAN 24" IN DIAMETER, SCREENED - PRIVATELY OWNED
L-A48 LAND PAN 48" IN DIAMETER, USWB TYPE A
L-A48P LAND PAN 48" IN DIAMETER, USWB TYPE A PRIVATELY OWNED
L-72 LAND PAN 72" IN DIAMETER.
L-72P LAND PAN 72" IN DIAMETER, PRIVATELY OWNED
F-36 FLOATING PAN 36" SQUARE, USGS TYPE
F-36P FLOATING PAN 36" SQUARE, PRIVATELY OWNED
L-36P LAND PAN 36" SQUARE, PRIVATELY OWNED

* ESTIMATE > 10% OF TOTAL
** ESTIMATE < 10% OF TOTAL
# RECORDS INCOMPLETE, WATER IN PAN FROZEN
INC. INCOMPLETE RECORD
N.R. NO RECORD

AT STATION 802B EAGLE ROCK: PAN PAINTED ALUMINUM 7/1/56 - 7/19/60
PAN FIBRE-GLASS TREATED 7/19/60 TO DATE
AT STATION 1087 GREEN VERDUGO: PAN PAINTED GREY 6/21/56 TO 2/7/62
PAN PAINTED ALUMINUM 2/7/62 TO DATE

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the twenty-fourth annual or biennial report on runoff published since the inception of the Hydraulic Division in April, 1927 1/. These reports cover 36 years of records on various streams and channels throughout the District.

VALUE OF RECORDS

Runoff records furnish the basic data necessary for:

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

SUMMARY

The water year 1961-62 was marked by several rainy periods with a major storm series extending through the middle two weeks of February. In the valley areas, 70 per cent to 80 per cent of the runoff occurred during February with large peak flows which in some instances exceeded the maximum of record. The mountains produced near normal runoff from rainfall which was slightly more than the long-time average; peak flows in the mountains were not large when compared with the record maximums.

Rather scanty rainfall was experienced during the 1962-63 season. As a result, the runoff fell much below average in the undeveloped areas of the District. Peak flows were, for the most part, negligible. Discharge measured at the valley stations, while less than the average of the period of available records was still higher than might be expected from the deficient rainfall. It is felt that further reduction of absorptive land is being experienced so that the proportion of rain entering the stream channels as runoff continues to increase.

Most of the water wasted to the ocean is measured at seven District stations. These measure, in addition to storm flow, the industrial wastes which are not affected by rainfall. The total amounts of water measured are shown on Table XIV, page 319.

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

	Built Up Valley Area Per Cent of Average		San Gabriel Mountains Per Cent of Average	
Season	Runoff 2/	Precip.	Runoff 3/	Precip.
1961-62	178.	149.	109.	113.
1962-63	79.	66.	26.	65.

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

2/ Based on period of record of Alhambra Wash and Ballona Creek drainage areas.

3/ Based on period of record of San Gabriel River and Arroyo Seco drainage areas.

BURNED AREAS

For the first time, maps showing the boundaries of areas burned by forest fires are published herein. Since the denuding of hills and brushland frequently has a sudden and spectacular effect on the quantity of runoff, both of water and mud, from a given drainage, it is felt that this information may be of interest to those using these reports. All fires which burned more than 50 acres during the two seasons of this report are shown on Maps V a, b, c, and d. The total acres burned in each fire are shown on Table XII, page 55.

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Distribution of Water-Stage Recording Stations by Watersheds.

The Flood Control District operated 106 water-stage recording stations during the 1961-62 and 1962-63 seasons, of which 95 were stream-flow stations which are published. The remaining eleven are hydraulic study and spreading ground stations only, and the records are not published. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	28
San Gabriel River	28
Rio Hondo	25
Ballona Creek	4
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	8
Antelope Valley	3
Dominguez Channel	2
Total	106

The location of all stations are shown on Map IV, page

II. Types of Controls

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

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

III. Types of Recorders Used

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

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

IV. Records of Recording Stream Flow Stations

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

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

(2) Daily discharge tabulations which show the mean daily runoff in second-feet; total monthly and yearly runoff in acre-feet.

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

Note: Hydrologic Reports published prior to 1959-60 contained for each stream flow recorder station, a printed list of the discharge measurements made at each location during the period of the Report. Such measurements have been deleted from this Report for the reason that they represent an instantaneous value of flow and have no appreciable value to the users of the records. During the 1961-62 season, 4036 measurements were made by District personnel at recording stations operated by the District and in 1962-63, 2637 such measurements were made. These measurements are available upon request to anyone who has a need for them.

V. Records Provided by Other Agencies:

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

Owned by	Stations
United States Geological Survey, Water Resources Division	10
United States Corps of Engineers	5
Ventura County	1
San Gabriel River Water Committee	1
Metropolitan Water District	2
San Bernardino County Flood Control District	1

The Flood Control District cooperates with these agencies by taking streamflow measurements to assist in developing station rating data. During the seasons covered by this report, 472 such measurements were taken. The United States Geological Survey in turn, publishes the records of 22 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Non-Recording Stations

Stream-flow measurements are made periodically at places where no recording instruments are maintained. These measurements are usually made for some specific purpose and in general indicate the base flow conditions of a stream rather than storm flows. They are published herein as "Staff Gage Stations," "Rising Water at Whittier Narrows," "Miscellaneous Measurements," and "Percolation Data." Twelve hundred ninety discharge measurements were taken at 27 staff gage stations including those used in the determination of rising water at Whittier Narrows. Because of the importance of flows originating from ground water in the Whittier Narrows area, tabulations of mean daily discharge have been made. A graph showing the mean monthly discharge over a period of 41 years is included on page 295.

The results of 1469 miscellaneous stream-flow measurements made in various parts of the County are published. Those are arranged by drainage areas. Numerous sets of percolation measurements were taken on selected reaches of eight streams. They are tabulated and arranged by streams.

VII. Limitations

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

In the tabulations of mean daily runoff, incomplete totals were avoided by estimating any missing or unreliable records. It is believed that estimating missing current records is more satisfactory than leaving records incomplete. Familiarity with a current season's runoff characteristics facilitates making such estimates, while leaving the record incomplete may make it necessary to provide the estimate in later years, when the reconstruction of the available data would be much more difficult.

RESPONSIBILITY

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

1	E.K. DeVore
2	R.J. Sarasua
2A	J.P. Roy
3	R.V. Wood
4	E.S. Bonadiman
5	M.L. Sjostedt
6	D.W. Bowman
7 & 8	J.R. Hyde
9 & 10	H.R. Whisler

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

D.E. Boucher	B.J. McBride
R.L. Brook	J.R. Penton
A.J. Falcone	R.A. Petersen
R.L. Frazelle	G.L. Walter
A.L. Mayfield	

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

J.A. Campa 1/	J.E. Lucas 2/
B.S. Caraba 2/	F. Mead III 1/
R.R. Edwards 2/	W.O. Mattis 1/
M.B. Feiker 1/	V.I. Medina 1/
A.O. Gaetz 1/	E.R. Penrose 3/
R.R. Gilmore 1/	J.D.H. Pitts 1/
K.W. Haughenberry 3/	E.R. Provencio 1/
H.G. Hammond 1/	C.L. Richardson 1/
B.G. Hubbard 1/	R.L. Schnittker 1/
J. Johnson 1/	M.E. Stringer 1/
C.L. Keim 3/	M.M. Verner 1/

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

The field work and compilation of records was under the immediate supervision of R.E. Lindsay, Section Head, Runoff and Dam Records Section assisted by S.E. Blakely and F.E. Stunden. Preparation of the report for 1961-62 and 1962-63 was under immediate supervision of R.E. Lindsay assisted by S.E. Blakely.

All field work and office work was under the direction of M.F. Burke, Division Engineer assisted by J.H. Brown, Supervising Civil Engineer.

LEGEND

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

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

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

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

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

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

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

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

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

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

Suffix R - indicates a recorder station.

Suffix S - indicates a staff gage station.

Suffix B 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 wall.

"c" - Gage height record affected by backwater.

"d" - Gage height record doubtful.

"e" - Other types of estimates.

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

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

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

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

ACCURACY

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

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

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

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

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

LEGEND

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

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

STREAM GAGING STATIONS AND HYDROGRAPHIC DISTRICTS

APPROVED BY _____ CHIEF ENGINEER

SUBMITTED BY _____ CHIEF - HYDRAULIC DIVISION

RECOMMENDED BY _____ ASSISTANT CHIEF DEP. ENG.

DATE

MAP IV

TABLE XII

BURNED AREAS

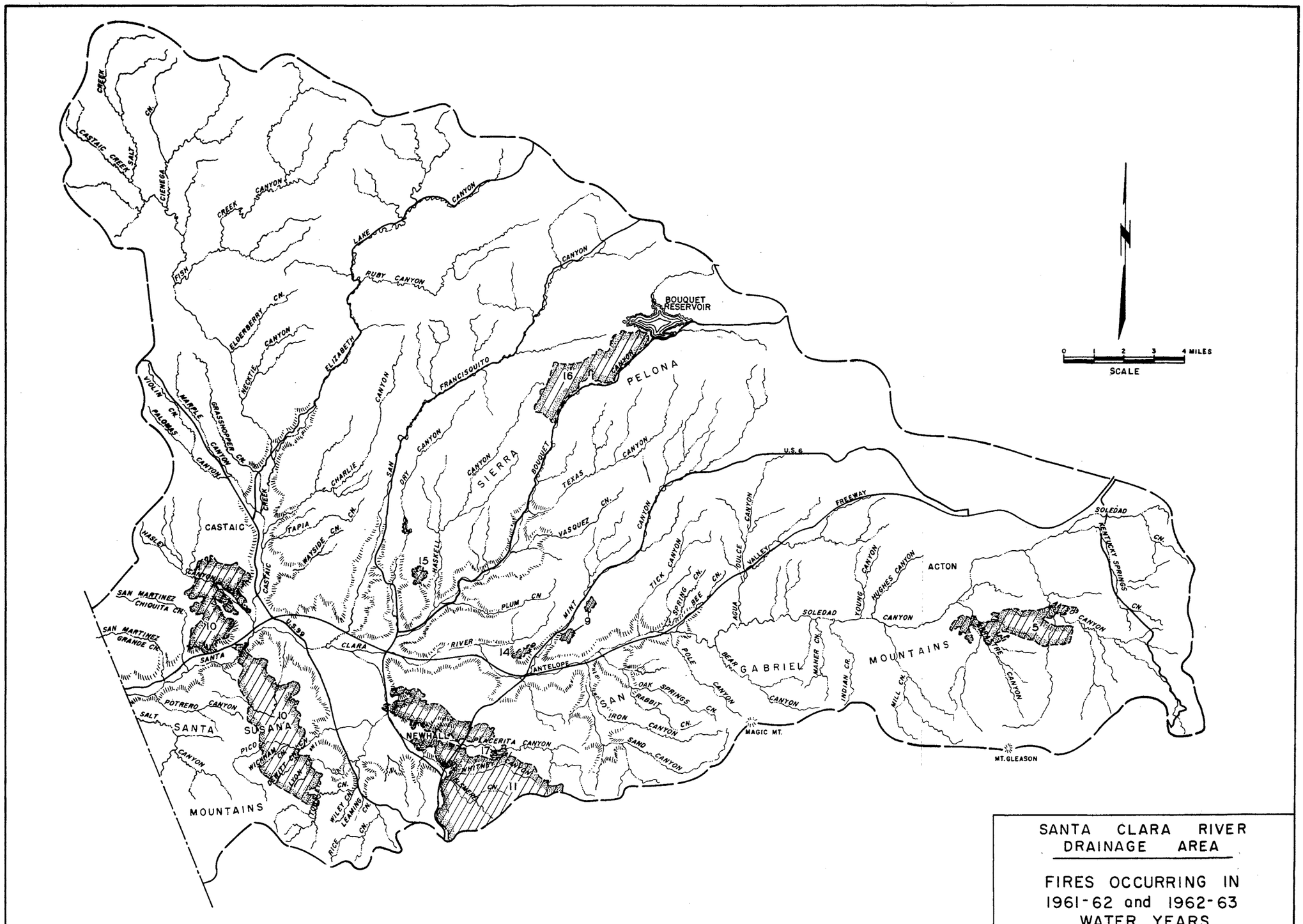
SEASONS 1961-62 AND 1962-63

I PERIOD 10/1/62 TO 9/30/63
(FIRES WHICH BURNED OVER 50 ACRES)

MAP REFERENCE	NAME	DATE	ACRES BURNED
1	TOPANGA CANYON	11/6/61	7,952
2	BEL AIR	11/13/61	6,151
3	LITTLE TUJUNGA	11/13/61	2,163
4	MORRIS	7/8/62	827
5	BOOTLEGGER CANYON	7/9/62	2,085
6	CHILDS CANYON	7/29/62	181
7	SUPREME DAIRY	8/7/62	57
8	WEBB	8/13/62	2,000
9	MINT CANYON	8/28/62	137
10	GOLDEN	8/28/62	8,110
11	NEWHALL	8/28/62	8,830
BURNS LESS THAN 50 ACRES (12 FIRES)		VARIOUS	168
		TOTAL ACRES BURNED	38,661

II PERIOD 10/1/62 TO 9/30/63
(FIRES WHICH BURNED OVER 50 ACRES)

MAP REFERENCE	NAME	DATE	ACRES BURNED
12	LAS FLORES	12/16/62	510
13	GRIFFITH PARK	6/2/63	154
14	NORTH OAKS	6/16/63	91
15	HASKELL CANYON	6/21/63	138
16	BOUQUET CANYON	8/14/63	2,655
17	PLACERITA CANYON	8/16/63	173
BURNS LESS THAN 50 ACRES (20 FIRES)		VARIOUS	240
		TOTAL ACRES BURNED	3,961

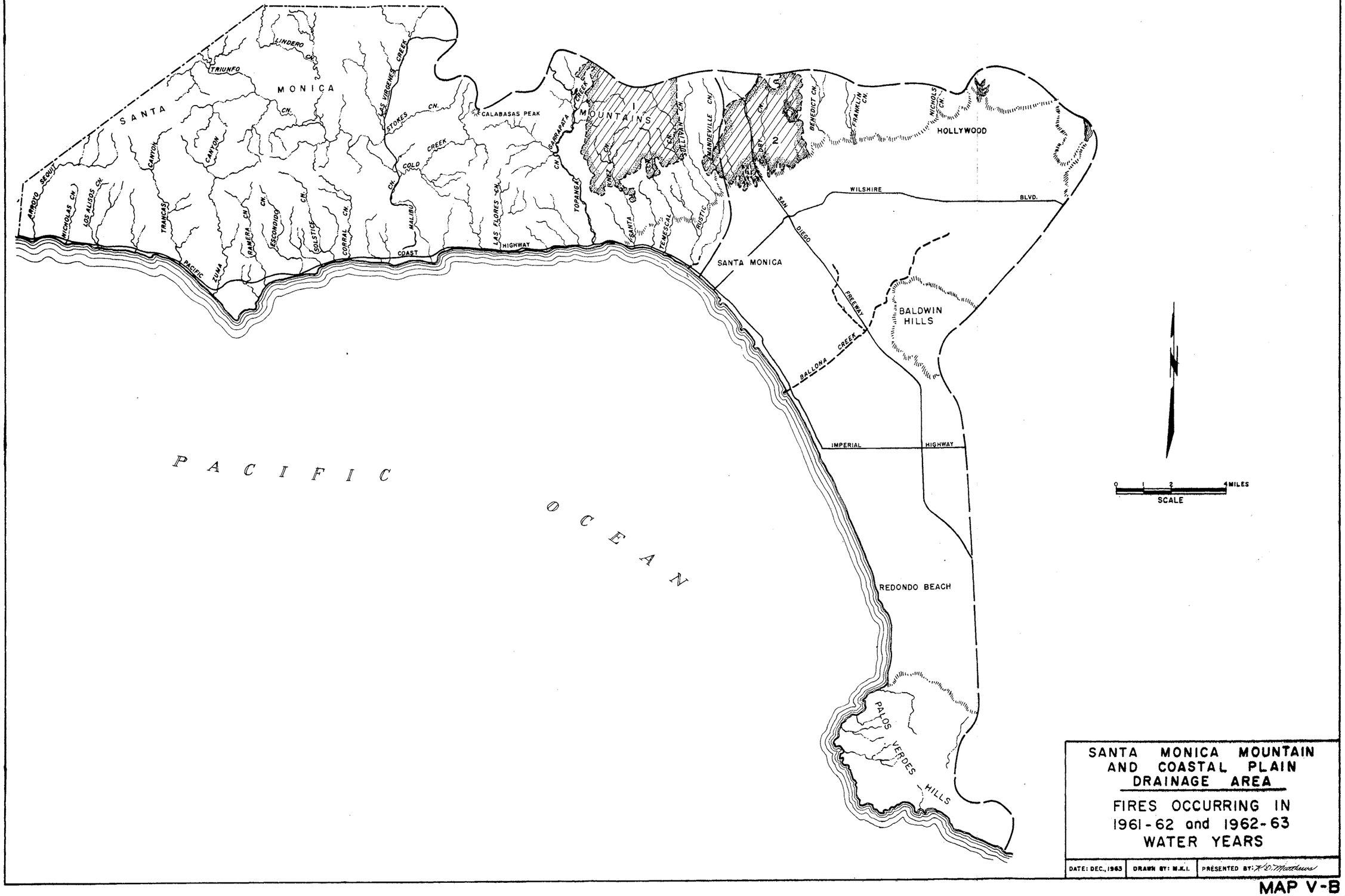


SANTA CLARA RIVER DRAINAGE AREA

FIRES OCCURRING IN 1961-62 and 1962-63 WATER YEARS

DATE: DEC., 1963	DRAWN BY: M.K.I.	PRESENTED BY: H. D. Matthews

MAP V-A

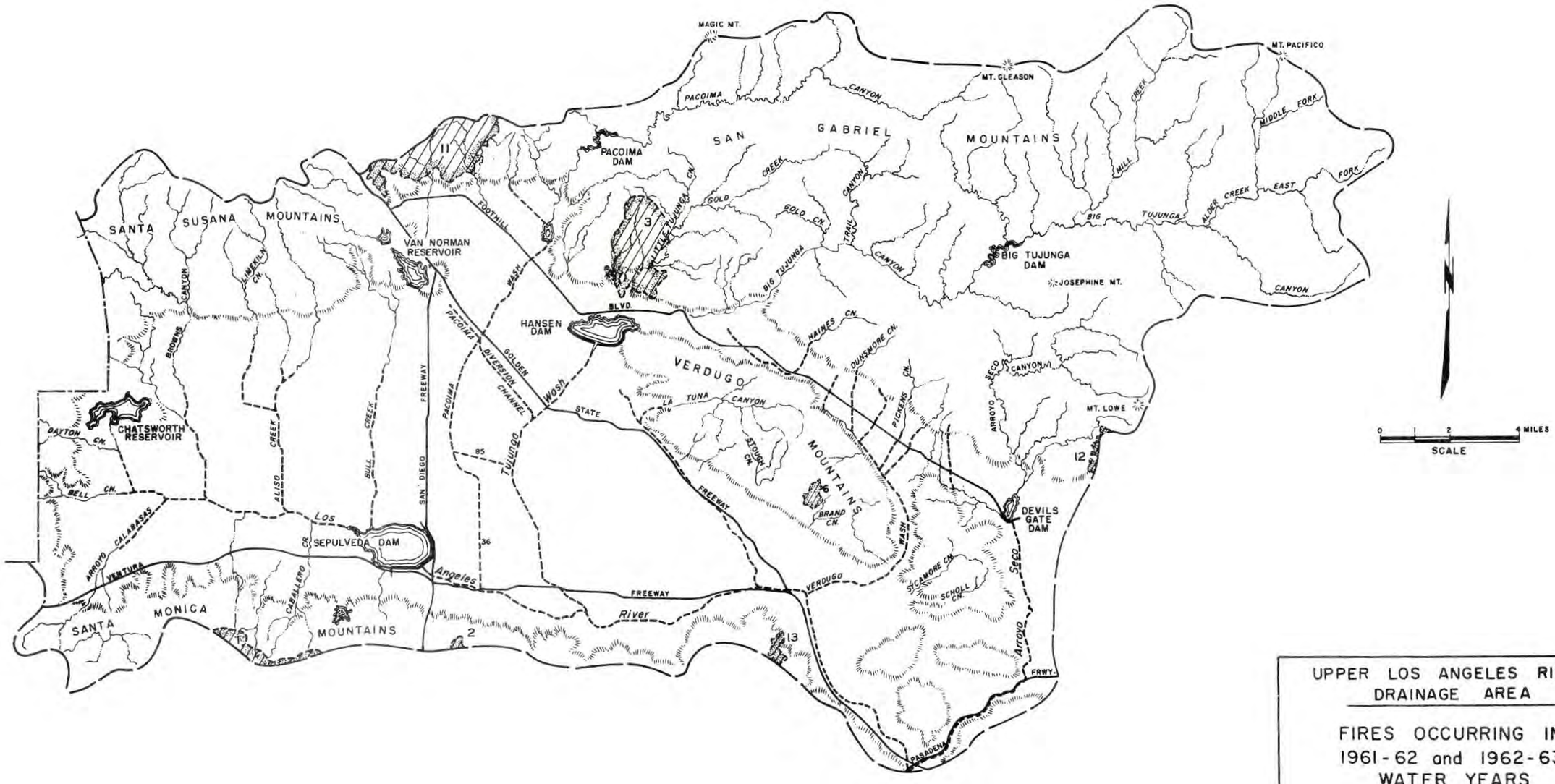


SANTA MONICA MOUNTAIN AND COASTAL PLAIN DRAINAGE AREA

FIRES OCCURRING IN 1961-62 and 1962-63 WATER YEARS

DATE: DEC., 1963 | DRAWN BY: M.K.I. | PRESENTED BY: H.O. Matthews

MAP V-B

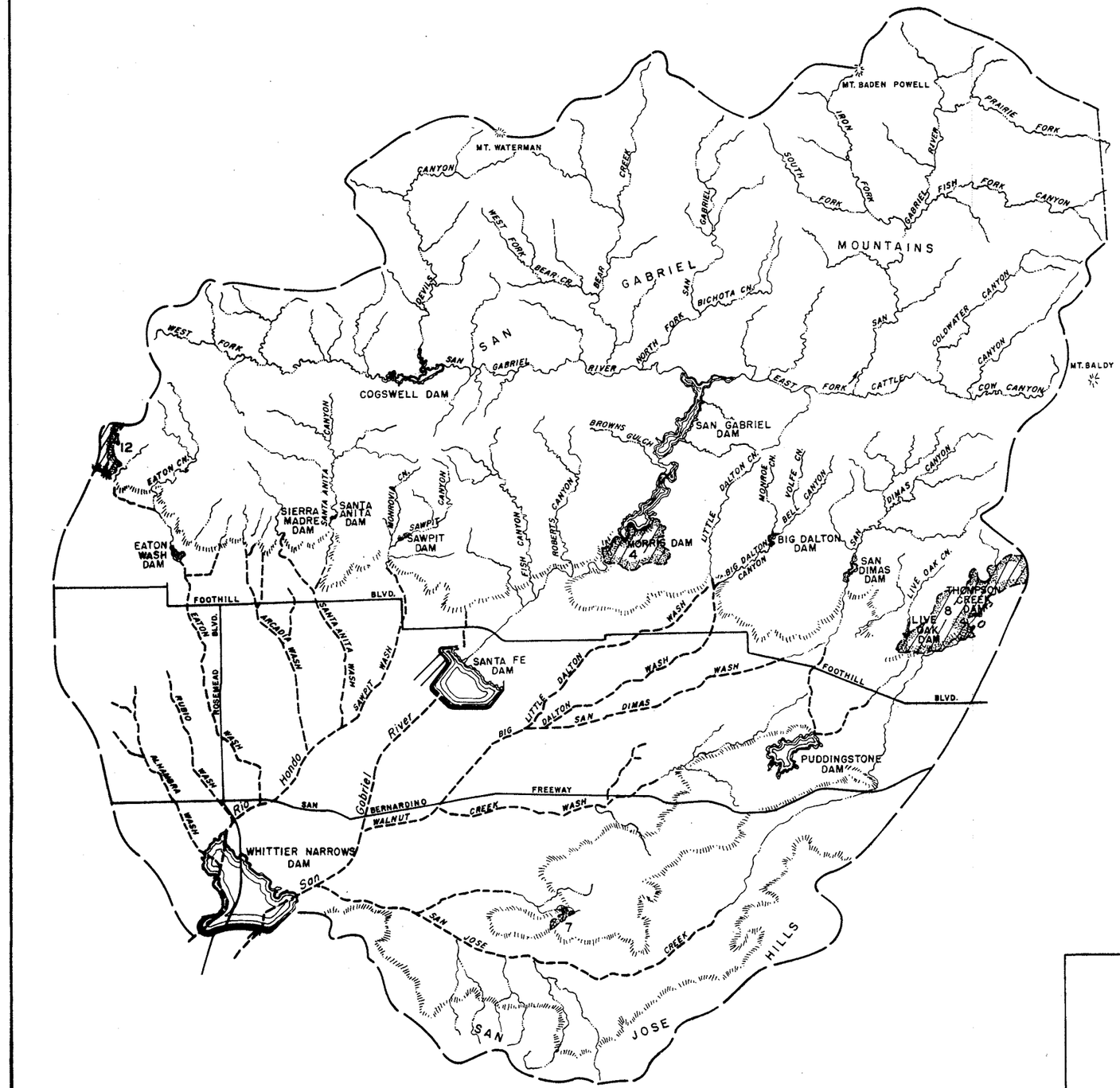


UPPER LOS ANGELES RIVER
DRAINAGE AREA

FIRES OCCURRING IN
1961-62 and 1962-63
WATER YEARS

DATE: DEC., 1963	DRAWN BY: M.K.I.	PRESENTED BY: H.D. Matthews

MAP V-C



SAN GABRIEL RIVER DRAINAGE AREA ABOVE WHITTIER NARROWS DAM

FIRES OCCURRING IN 1961-62 and 1962-63 WATER YEARS

DATE: DEC. 1963	DRAWN BY: M.K.I.	PRESENTED BY: K.D. Matthews

MAP V-D

STATION F81D-R
ALHAMBRA WASH near Klingerman Street

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

ABANDONED 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: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2560 SECOND-FEET, FEBRUARY 12.
MINIMUM 0.1 SECOND-FOOT, MAY 20.
1962-63
MAXIMUM 2210. SECOND-FEET, MARCH 16.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1929-63 (STATIONS F81-R, F81B-R, F81C-R, F81D-R).
MAXIMUM 5010 SECOND-FEET, MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD, FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS.

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

760764M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F81D-R

Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.4	11.8	0.4	0.9	1.6	0.9	0.4	0.6	0.9	0.6	1.1
2	0.4	0.6	225	0.6	0.6	1.6	0.6	0.3	0.6	0.9	0.6	0.9
3	0.6	0.6	17.0	0.6	0.6	0.6	0.9	0.4	0.4	1.1	0.6	0.9
4	0.9	0.6	0.6	0.6	0.4	0.3	1.4	0.9	0.6	1.1	0.9	0.9
5	0.6	0.9	0.9	0.6	0.6	0.3	0.6	0.4	0.9	1.1	0.6	0.6
6	0.6	1.6	0.9	0.4	0.6	73	0.4	0.3	0.9	0.9	0.4	0.6
7	0.6	1.4	0.9	0.6	42	0.6	0.4	0.4	1.1	0.9	0.4	0.9
8	0.6	0.6	1.1	0.6	330	0.9	0.4	0.6	1.1	0.6	0.6	0.9
9	1.1	0.6	0.9	0.4	173	3.6	0.4	0.6	1.1	0.4	0.6	0.6
10	1.4	0.6	0.6	0.6	234	0.6	0.4	0.6	0.9	0.6	0.6	0.6
11	1.4	0.9	0.6	0.6	382	0.6	0.4	0.6	0.6	0.6	0.6	1.1
12	1.1	0.9	0.6	15.5	136	0.6	0.4	0.2	0.9	0.4	0.6	0.9
13	1.4	0.6	0.6	1.9	0.9	0.9	0.6	0.2	0.6	0.4	0.4	0.9
14	1.4	0.6	7.0	0.6	0.9	0.6	0.4	0.6	0.6	0.4	0.4	0.9
15	1.4	1.1	0.3	0.6	169	0.6	0.3	1.6	0.9	0.3	0.4	0.9
16	1.4	0.9	0.3	0.9	37	0.9	0.4	48	0.6	0.4	0.6	0.6
17	1.6	0.9	0.3	0.6	0.9	0.6	0.6	0.6	0.6	0.6	0.4	0.6
18	1.6	0.9	0.3	0.6	1.1	33	0.6	0.6	0.6	0.6	0.4	0.9
19	1.6	0.9	0.3	0.9	234	10.3	0.9	0.2	0.6	0.6	0.4	0.9
20	1.6	186	0.3	217	59	15.5	0.9	0.1	0.6	0.6	0.4	0.6
21	b 1.0	1.1	0.3	24	9.1	0.6	0.6	0.4	0.9	0.4	0.6	0.9
22	1.0	0.9	0.3	108	0.9	16.2	0.3	0.4	1.1	0.4	0.9	0.9
23	0.9	0.6	0.3	2.9	0.6	0.9	0.4	0.3	0.9	0.6	0.9	0.6
24	0.8	0.6	0.3	0.6	10.5	0.4	0.4	0.3	0.6	0.6	0.9	0.6
25	b 0.6	73	0.3	0.6	1.4	0.3	0.4	0.3	0.6	0.9	0.9	1.1
26	0.3	7.4	0.3	1.1	0.6	0.3	0.4	0.2	0.9	0.4	0.9	1.1
27	0.4	0.6	0.4	0.9	0.4	0.6	0.4	0.2	0.9	0.2	0.9	1.1
28	0.4	0.6	0.4	0.6	0.9	0.9	0.4	0.3	1.1	0.2	1.1	1.1
29	0.3	0.6	0.4	0.4		0.6	0.4	0.4	1.1	0.2	1.1	1.1
30	0.4	9.1	0.4	0.6		0.6	0.6	0.6	1.1	0.4	1.4	0.9
31	0.4		0.4	0.6		0.9		0.6		0.6	1.4	
	28.6		274.1		1832.9		16.2		24.0		21.5	
		296.1		384.9		169.2		61.6		18.3		25.7
MEAN	0.92	9.87	8.84	12.6	65.5	5.46	0.54	1.99	0.80	0.59	0.69	0.86
ACRE-FEET	57.	587.	544.	775.	3640.	336.	32.	123.	48.	36.	43.	51.

Remarks:

YEAR OR PERIOD MEAN 9.06
ACRE-FEET 6270.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

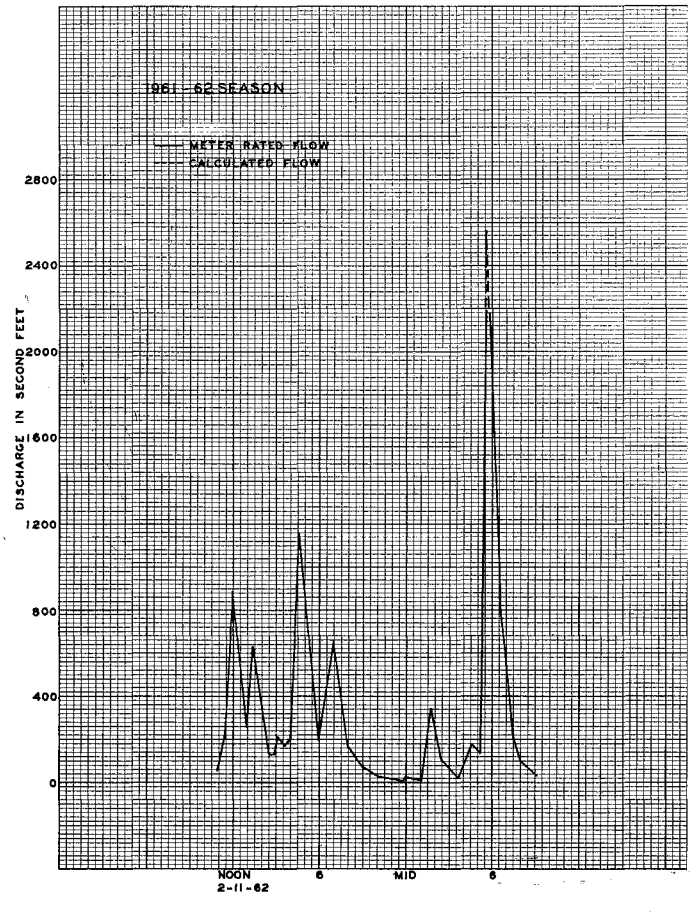
Sta. No. F81D-R

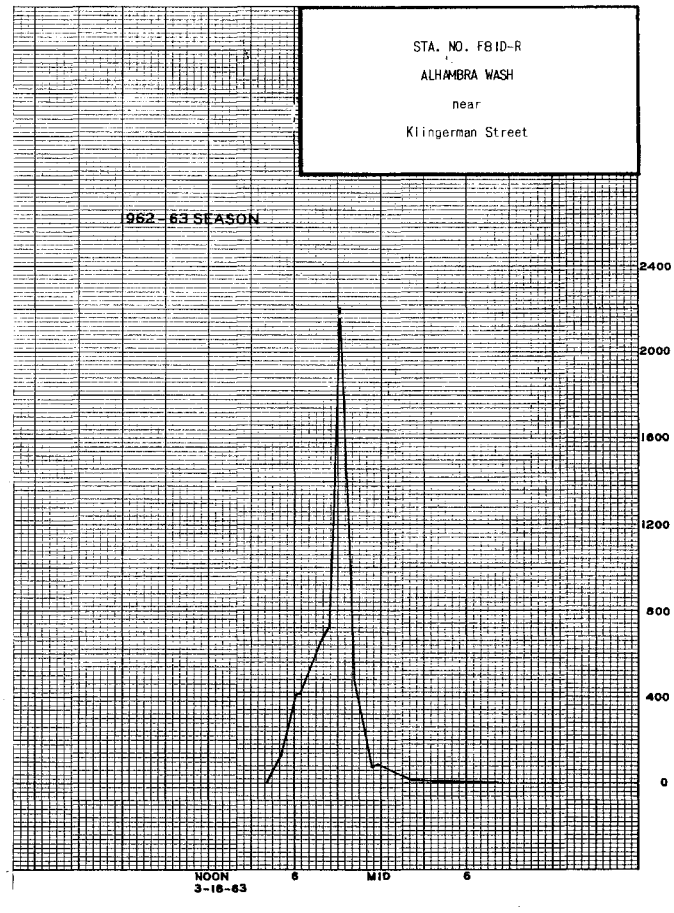
Daily discharge, in second-feet of ALHAMBRA WASH near Klingerman Street, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.6	0.9	0.4	5.6	0.4	0.6	0.6	0.4	0.4	0.6	0.6
2	0.6	0.4	0.4	0.4	0.6	0.4	0.4	0.6	0.3	0.6	0.9	0.6
3	0.6	0.3	0.4	0.4	0.6	0.4	0.4	0.6	0.4	0.6	0.5	0.6
4	0.6	0.1	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.6	0.6	3.9
5	0.4	0.3	0.6	0.6	0.4	0.6	0.9	0.4	0.4	0.6	0.9	0.4
6	0.3	0.6	0.6	0.4	0.4	0.6	0.9	0.4	0.6	0.6	0.6	0.4
7	0.3	0.6	0.6	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.4
8	0.4	0.6	0.6	0.4	0.4	0.6	1.6	0.6	0.9	0.4	0.6	0.4
9	0.6	0.4	0.6	0.4	3.9	0.4	0.4	0.6	0.9	0.6	0.6	0.6
10	0.4	0.6	0.4	0.4	9.5	0.4	0.4	0.6	1.1	0.4	0.6	0.4
11	0.4	0.6	0.4	0.3	1.8	0.6	0.6	0.6	2.2	0.6	0.9	0.6
12	0.4	0.4	0.4	0.2	1.1	0.6	0.6	0.6 b	0.6	0.6	0.9	1.1
13	0.6	0.4	0.4	0.1	1.1	0.4	0.6	0.6 b	0.6	0.6	1.1	0.9
14	4.7	0.4	0.6	0.3	6.2	0.3	6.5	0.6	0.5	0.4	1.4	0.9
15	0.3	0.4	0.6	0.3	1.1	9.9	4.2	0.6	0.2	0.6	1.1	0.9
16	0.4	0.4	0.6	0.4	0.9	1.67	0.6	0.6	0.3	0.6	0.9	0.9
17	0.6	0.6	0.6	0.4	0.6	15.5	1.4	0.4	0.3	0.6	1.1	3.5
18	1.4	0.4	0.6	0.4	0.6	0.9	0.4	0.6	0.4	0.6	1.1	3.5
19	0.1	0.2	0.6	0.4	0.9	0.9	0.6	0.6	0.6	0.6	1.1	2.7
20	0.9	0.3	0.6	0.4	0.9	0.6	4.9	0.4	0.6	0.6	0.9	0.4
21	0.6	0.4	0.4	0.9	0.9	0.6	8.9	0.4	0.6	0.4	0.6	0.4
22	0.6	0.3	0.4	0.6	0.6	0.9	0.4	0.4	0.6	0.6	0.6	0.4
23	0.6	0.4	0.4	0.6	0.4	18.3	0.4	0.4	0.4	0.6	0.4	0.5
24	0.6	0.4	0.4	0.6	0.4	0.9	0.4	0.4	0.3	0.6	0.4	0.4
25	0.6	0.4	0.2	0.6	0.4	1.1	2.0	0.6	0.4	0.4	0.3	0.4
26	0.9	0.4	0.3	0.9	0.4	1.1	8.0	0.4	0.3	0.4	0.9	0.4
27	0.9	0.4	0.3	0.4	0.3	0.9	0.4	0.4	0.4	0.4	0.6	0.4
28	0.3	0.6	0.4	0.3	0.4	5.3	0.4	0.4	0.4	0.6	0.9	0.4
29	0.6	0.6	0.3	0.3		0.6	0.4	0.3	0.4	0.4	0.9	0.6
30	0.6	0.6	0.3	0.3		0.6	0.6	0.4	0.2	0.6	0.6	0.6
31	0.9		0.4	4.2		0.6		0.4		0.9	0.6	
	22.0	13.1	14.9	55.1	538.0	300.1	241.5	15.5	36.1	17.1	24.2	170.4
MEAN	0.71	0.44	0.48	1.78	19.2	9.68	8.05	0.50	1.20	0.55	0.78	5.68
ACRE-FEET	44.	26.	30.	109.	1070.	595.	479.	31.	72.	34.	48.	338.

Remarks:

YEAR OR PERIOD MEAN 3.97
ACRE-FEET 2880.





STATION M340-R
ALHAMBRA WASH - METROPOLITAN WATER DISTRICT OUTLET
near Rush Street

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

RECORDER: A WEEKLY RECORDER ON A VENTURI DISCHARGE METER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

RECORDS AVAILABLE: MARCH 28, 1958 TO SEPTEMBER 30, 1963. MONTHLY RECORDS ARE PUBLISHED HEREIN. AMOUNTS SHOWN ARE AS OF MIDNIGHT ON THE LAST DAY OF THE MONTH. APPROXIMATE MEAN DAILY FLOWS ARE AVAILABLE AT THE DISTRICT OFFICE.

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

MONTHLY DISCHARGE IN ACRE-FEET:

	1961-62	1962-63
OCTOBER	5060.	5130.
NOVEMBER	7420.	430.
DECEMBER	8520.	1940.
JANUARY	8040.	330.
FEBRUARY	1960.	3640.
MARCH	3960.	3610.
APRIL	6700.	5220.
MAY	7310.	0
JUNE	6960.	0
JULY	8410.	0
AUGUST	8410.	0
SEPTEMBER	1070.	19.
TOTAL	73820.	20320.

STATION F152B-R
ALISO CREEK below Nordhoff Street

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

DRAINAGE AREA: 7.61 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO JULY 15, 1947 AND AUGUST 31, 1948 TO SEPTEMBER 30, 1963. NO RECORD FROM JULY 15, 1947 TO AUGUST 31, 1948 DUE TO BRIDGE AND CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 1540 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW MOST OF YEAR.

1962-63
MAXIMUM 246 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.

1939-63
MAXIMUM DISCHARGE NOT DETERMINED FEBRUARY 20, 1941.
MAXIMUM 1750 SECOND-FEET JANUARY 22, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

76DT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1528-R

Daily discharge, in second-feet of ALISO WASH below Nordhoff Street for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	17	0	0	0	0	0				
3	0	0	+	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	3.9	0	0				
7	0	0	0	0	6.9	0	0	0				
8	0	0	+	0	134	0	0	0				
9	0	0	0	0	19	0.6	0	0				
10	0	0	0	+	204	0	0	0				
11	0	0	0	+	185	0	0	0				
12	0	0	0	a 0	122	0	0	0				
13	0	0	0	0	6.9	0	0	0				
14	0	0	+	0	2.0	0	0	0				
15	0	0	0	0	34	0	0	0				
16	0	0	0	a 0	6.2	+	0	0				
17	0	0	0	0	0.8	0	0	0				
18	0	0	0	0	0.2	3.6	0	0				
19	0	0	0	0	65	+	0	0				
20	0	1.2	0	23	11	0.6	0	0				
21	0	0	0	0.7	0	0	0	0				
22	0	0	0	38	0	1.3	0	0				
23	0	0	0		0	0	0	0				
24	0	0	0	0	2.5	0	0	0				
25	0	1.7	0	0	+	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0		0	0	0				
30	0	+	0	0		0	0	0				
31	0		0	0		0						
	0	29.0	17.0	61.7	799.5	10.2	0	+	E 0	E 0	E 0	E 0
MEAN	0	0.97	0.55	1.99	28.6	0.33	0	+	E 0	E 0	E 0	E 0
ACRE-FEET	0	58.	34.	122.	1590.	20.	0	+	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.51
ACRE-FEET 1820.

76DT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1528-R

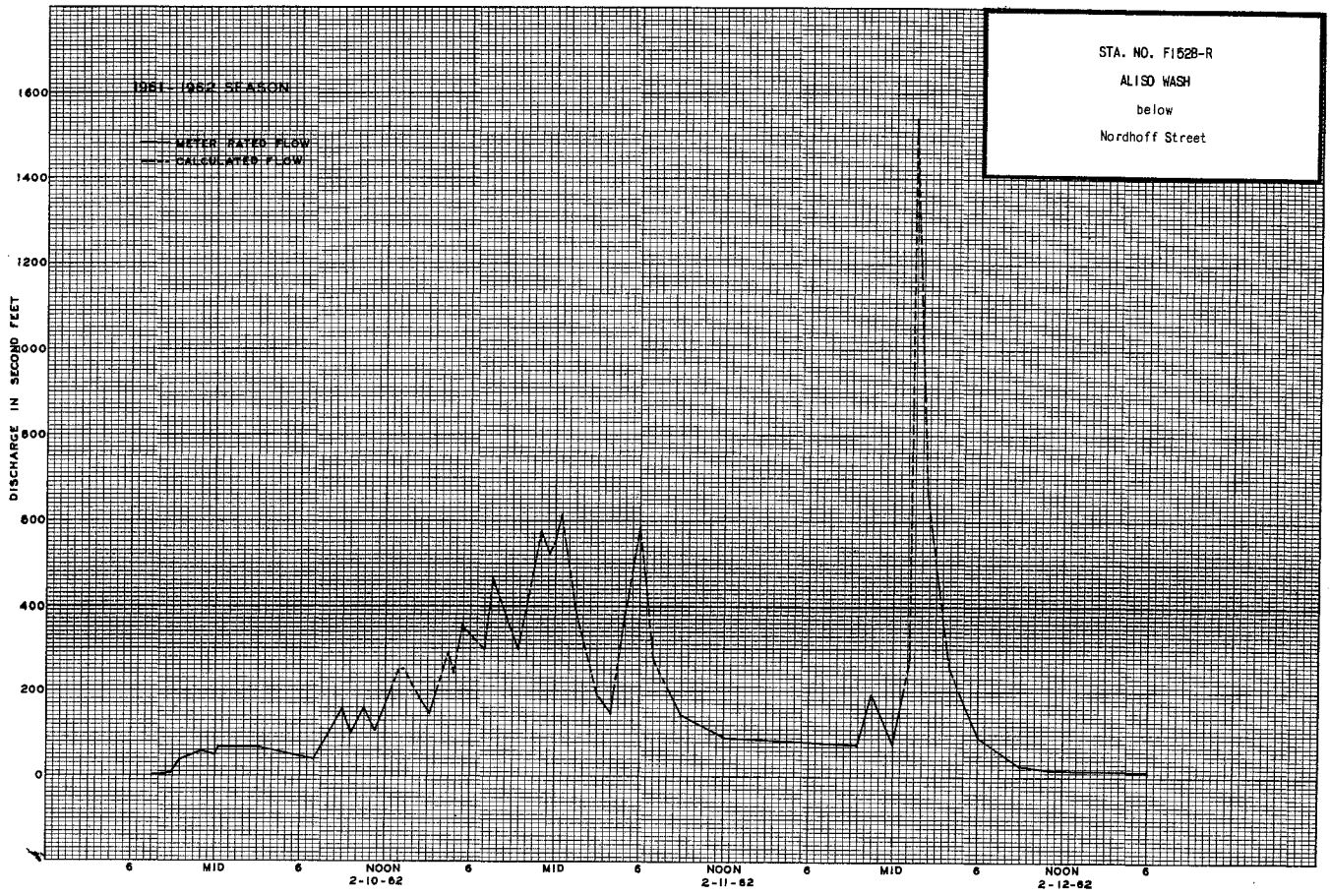
Daily discharge, in second-feet of ALISO CREEK below Nordhoff Street for the year ending September 30, 1963

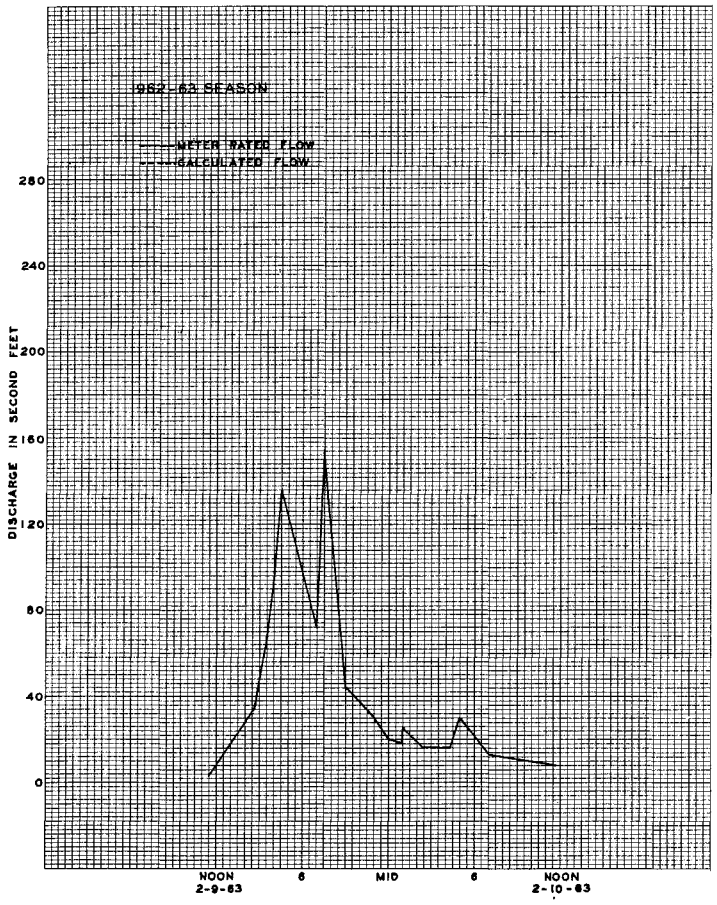
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.9	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0.1	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				+
5	0	+	0	0	0	0	0	0				0
6	0		0	0	0	0	0	0				0
7	0		0	0	0	0	0	0				0
8	0	+	0	0	0	0	0	0				0
9	0	0	0	0	3.2	0	0	0				0
10	0	0	0	0	1.0	0	0	0				0
11	0	0	0	0	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0.6	0	+	0	1.6	0	3.0	0				0
15	0	0	+	+	0	0	0	0				0
16	0	0	0	0.1	0	2.9	0	0				0
17	0	0	0	0	0	0.8	0	0				0
18	0	0	0	0	0	0	0	0				0
19	0	0	0	0	0	0	0	0				1.3
20	0	0	+	0	0	0	+	0				0
21	0	0	+	0	0	0	+	0				0
22	0	0	0	0	0	+	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	4.4	0				0
26	0	0	0	0	0	0	12	0				0
27	0	0	+	0	0	0	0	0				0
28	0	0	0	0	0	16	0	0				0
29	0	0	+	0		0	0	0				0
30	0	0	+	0		0	0	0				0
31	0		+	5.9		0		0				
	0.6	+	0.1	6.0	44.7	45.8	19.4	0	E 0	E 0	E 0	1.3
MEAN	0.02	+	+	0.19	1.60	1.48	0.65	0	E 0	E 0	E 0	0.04
ACRE-FEET	1.2	+	+	12.	89.	91.	38.	0	E 0	E 0	E 0	2.6

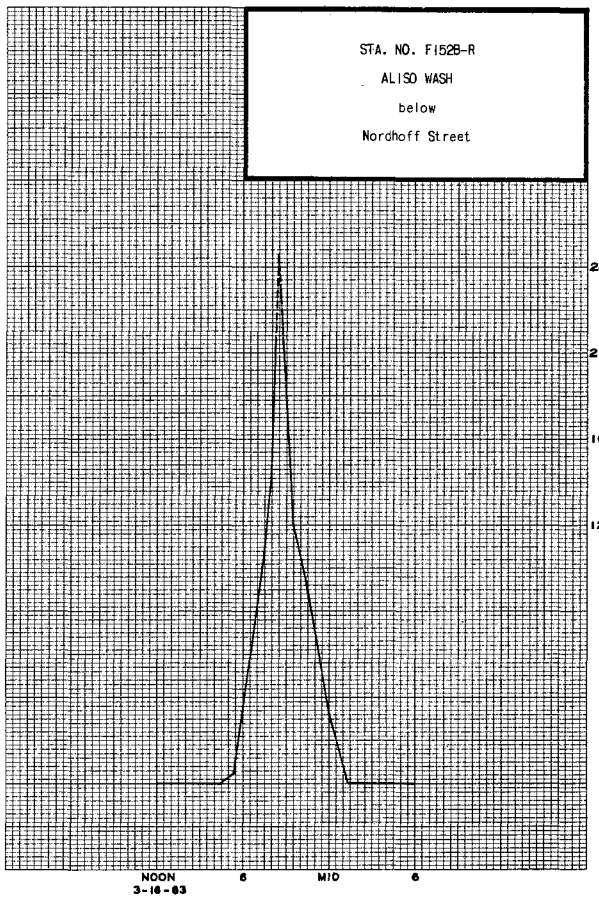
RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 234.


STA. NO. F152B-R
ALISO WASH
below
Nordhoff Street
1961-1962 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
1600
1400
1200
1000
800
600
400
200
0
6
MID
6
NOON
2-10-62
6
MID
6
NOON
2-11-62
6
MID
6
NOON
2-12-62
6


1962-63 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
280
240
200
160
120
80
40
0
NOON
2-9-63
6
MID
6
NOON
2-10-63


STA. NO. F152B-R
ALISO WASH
below
Nordhoff Street
240
200
160
120
80
40
0
NOON
3-16-63
6
MID
6

STATION F317-R

ARCADIA WASH below Grand Avenue

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

DRAINAGE AREA: 8.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: SEVERAL DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: DECEMBER 12, 1955 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1480 SECOND-FEET FEBRUARY 11.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1962-63
MAXIMUM 600 SECOND-FEET FEBRUARY 9.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES.
1955-63
MAXIMUM 1930 SECOND-FEET FEBRUARY 19, 1958.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

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

74DT4M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F317-R

Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5	13	0.2	0.2	0.3	0.4	0.3	0.2	0.3	0.4	0.4
2	0.4	0.5	134	0.3	0.2	0.3	0.4	0.3	0.2	0.4	0.4	0.5
3	0.4	0.5	4.7	0.3	0.2	0.2	0.4	0.4	0.2	0.4	0.4	0.4
4	0.4	0.5	0.4	0.3	0.2	0.1	0.4	0.4	0.2	0.3	0.4	0.4
5	0.4	0.4	0.4	0.3	0.3	0.2	0.4	0.5	0.2	0.3	0.4	0.3
6	0.4	0.4	0.3	0.3	0.3	33	0.5	0.4	0.2	0.3	0.4	0.4
7	0.4	0.4	0.3	0.2	25	0.4	0.4	0.5	0.2	0.4	0.4	0.4
8	0.4	0.4	0.4	0.3	147	0.4	0.3	0.4	0.1	0.3	0.3	0.4
9	0.4	0.4	0.4	0.3	71	3.7	0.4	0.4	0.1	0.4	0.4	0.4
10	0.3	0.4	0.3	0.3	75	0.7	0.4	0.4	0.2	0.4	0.5	0.4
11	0.4	0.4	0.3	0.4	408	0.5	0.3	0.4	0.3	0.4	0.5	0.4
12	0.4	0.4	0.3	9.2	37	0.5	0.4	0.4	0.4	0.5	0.5	0.3
13	0.4	0.5	0.3	1.7	1.4	0.5	0.3	0.4	0.4	0.4	0.5	0.3
14	0.4	0.4	6.0	0.3	2.6	0.7	0.3	22	0.5	0.4	0.5	0.4
15	0.3	0.3	0.4	0.3	77	0.7	0.3	0.7	0.5	0.4	0.7	0.3
16	0.4	0.3	0.3	0.4	19.7	1.2	0.5	7.5	0.5	0.5	0.5	0.3
17	0.4	0.4	0.3	0.4	0.5	1.2	0.5	0.3	0.3	0.4	0.5	0.5
18	0.3	0.3	0.3	0.4	0.4	10.5	0.5	0.1	0.4	0.4	0.5	0.4
19	0.4	0.3	0.3	0.5	80	2.9	0.4	0.1	0.5	0.4	0.4	0.4
20	0.3	72	0.3	128	53	1.4	0.5	0.2	0.4	0.5	0.5	0.4
21	0.4	0.5	0.3	13	1.8	0.4	0.5	0.3	0.4	0.7	0.7	0.4
22	0.3	0.3	0.2	55	0.4	13.9	0.4	0.3	0.4	0.5	0.4	0.4
23	0.2	0.3	0.2	0.7	0.3	0.4	0.4	0.3	0.4	0.5	0.4	0.4
24	0.3	0.3	0.2	0.4	3.2	0.3	0.5	0.4	0.4	0.5	0.5	0.4
25	0.3	43	0.2	0.3	0.5	0.2	0.5	0.4	0.4	0.4	0.5	0.4
26	0.4	3.2	0.3	0.3	b 0.3	0.2	0.4	0.4	0.4	0.3	0.4	0.3
27	0.4	0.3	0.2	0.3	b 0.3	0.4	0.5	0.3	0.4	0.3	0.5	0.3
28	0.4	0.2	0.3	0.2	b 0.4	0.5	0.5	0.3	0.4	0.3	0.5	0.4
29	0.3	0.3	0.3	0.2		0.4	0.4	0.3	0.4	0.3	0.4	0.4
30	0.4	5.6	0.3	0.2		0.3	0.4	0.3	0.4	0.3	0.4	0.4
31	0.4		0.2	0.2		0.4		0.2		0.3	0.5	
	114	133.7	165.7	215.2	1006.2	76.8	12.5	39.6	10.0	12.2	14.3	11.5
MEAN	0.37	4.46	5.34	6.94	35.9	2.48	0.42	1.28	0.33	0.39	0.46	0.38
ACRE-FEET	23.	265.	329.	427.	2000.	152.	25.	79.	20.	24.	28.	23.

Remarks:

YEAR OR PERIOD MEAN 4.68
ACRE-FEET 3400.

TEDTAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

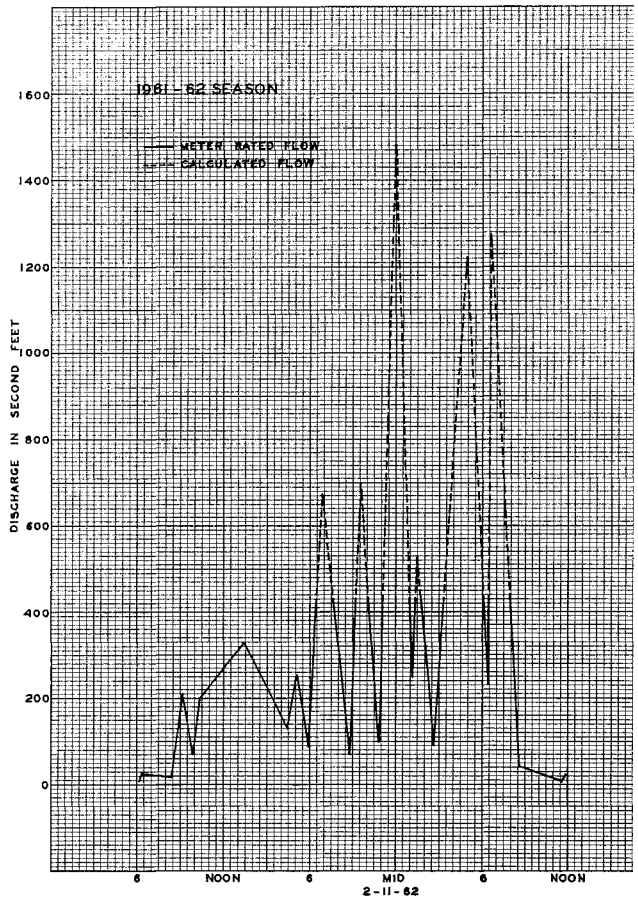
Sta. No. F317-R

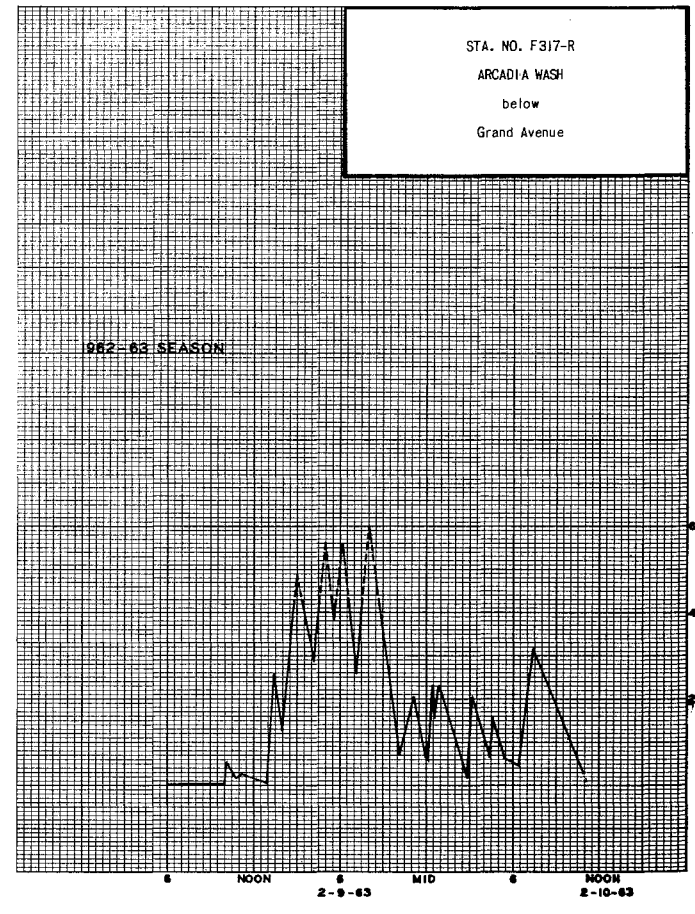
Daily discharge, in second-feet of ARCADIA WASH below Grand Avenue, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.3	0.3	0.3	5.2	0.3	3.5	0.3	0.3	0.2	0.3	0.4
2	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.4
3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.5	0.3	0.3	0.4
4	2.7	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	20
5	0.5	0.3	0.3	0.4	0.5	0.3	0.3	0.2	0.3	0.3	0.3	0.4
6	0.5	0.3	0.3	0.3	0.7	0.3	0.4	0.3	0.4	0.3	0.3	0.4
7	0.4	0.3	0.2	0.3	0.5	0.4	0.4	0.3	0.4	0.3	0.4	0.3
8	0.4	0.3	0.2	0.4	0.7	0.4	1.7	0.3	0.4	0.3	0.3	0.3
9	0.4	0.3	0.3	1.9	153	1.9	0.3	0.3	0.3	0.4	0.3	0.2
10	0.4	0.4	0.3	0.9	74	0.4	0.3	0.3	4.0	0.3	0.3	0.2
11	0.3	0.3	0.2	0.4	1.2	0.3	0.4	0.3	8.0	0.3	0.3	0.3
12	0.4	0.3	0.2	0.3	0.5	0.3	0.4	0.2	0.3	0.3	0.2	0.3
13	0.4	0.4	0.3	0.3	0.7	0.3	0.5	0.2	0.4	0.3	0.3	0.3
14	3.9	0.4	0.3	0.4	43	0.3	25	0.3	0.2	0.2	0.3	0.3
15	0.4	0.3	0.3	0.3	0.7	5.6	4.6	0.4	0.2	0.2	0.3	0.3
16	0.3	0.3	0.3	0.3	0.5	67	0.3	0.3	0.2	0.2	0.3	0.3
17	0.3	0.3	0.7	0.3	0.4	14.9	3.3	0.3	0.3	0.2	0.3	27
18	0.4	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3	35
19	0.3	0.2	0.4	0.4	0.5	0.4	0.4	0.4	0.2	0.3	0.4	16.9
20	0.2	0.4	0.4	0.3	0.4	0.3	24	0.4	0.4	0.4	0.5	b 0.3
21	0.2	0.3	0.4	0.4	0.4	0.3	5.5	0.4	0.3	0.3	0.4	0.3
22	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.5	0.3	0.4	0.3
23	0.3	0.3	0.3	0.4	0.4	6.5	0.3	0.4	0.2	0.3	0.4	0.3
24	0.3	0.3	0.5	0.3	0.3	0.3	0.2	0.4	0.2	0.3	0.3	b 0.3
25	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.4	0.3
26	0.3	0.3	0.3	0.3	0.3	0.4	34	0.2	0.2	0.3	0.3	0.3
27	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.3	0.3	0.4
28	0.3	0.3	0.3	0.3	0.3	25	0.3	0.3	0.2	0.3	0.4	0.4
29	0.3	0.2	0.3	0.3		0.4	0.2	0.3	0.2	0.3	0.3	0.4
30	0.3	0.3	0.3	0.2		0.3	0.2	0.3	0.3	0.3	0.4	0.4
31	0.3		0.3	31		0.4		0.3		0.3	0.4	
	16.5	9.2	10.1	43.3	206.9	129.6	109.1	9.7	20.2	9.0	10.3	107.4
MEAN	0.53	0.31	0.33	1.40	10.2	4.18	3.64	0.31	0.53	0.29	0.33	3.58
ACRE-FEET	33.	18.	20.	86.	569.	257.	216.	19.	40.	18.	20.	213.

Remarks:

YEAR OR PERIOD MEAN 2.09
ACRE-FEET 1510.





STATION UI-R
ARROYO SECO above Mouth of Canyon

LOCATION: LAT. 34°13'20", LONG. 118°10'36", NEAR NORTH LINE OF SEC. 31 T.2N., R. 12W., ON RIGHT BANK 1.5 MILES UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA. ALTITUDE OF GAGE 1397.88 FEET.

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1963.

AVERAGE DISCHARGE: 49 YEARS (1913-15, 1916-61) - 8.56 SECOND-FEET.

EXTREMES OF DISCHARGE:
- 1961-62
  - MAXIMUM 1500 SECOND-FEET FEBRUARY 11. (GAGE HEIGHT 5.06 FEET).
  - MINIMUM NO FLOW OCTOBER 13-15.
- 1962-63
  - MAXIMUM 464 SECOND-FEET FEBRUARY 9. (GAGE HEIGHT 3.75 FEET).
  - MINIMUM 0.1 SECOND-FEET SEPTEMBER 10-15.
- 1910-63
  - MAXIMUM 8620 SECOND-FEET MARCH 2, 1938 BY SLOPE-AREA METHOD.
  - MINIMUM NO FLOW AT TIMES IN SOME YEARS.

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

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

T6DT6M C6b 11-59

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 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.5	1.0	3.4	24	9.6	5.2	3.0	1.5	1.0	0.7
2	0.1	0.2	69	0.9	3.6	22	9.0	5.0	2.7	1.5	1.0	0.7
3	0.1	0.2	7.1	0.9	3.2	21	8.7	4.7	3.2	1.5	1.0	0.7
4	0.1	0.2	2.0	0.8	2.6	20	8.5	4.4	3.7	1.7	1.0	0.7
5	0.1	0.2	2.0	0.8	1.2	20	8.2	4.4	3.7	1.9	1.0	0.7
6	0.1	0.2	1.5	0.7	0.9	27	7.9	4.2	3.4	1.9	1.0	0.7
7	0.1	0.2	1.5	0.7	2.3	23	7.9	4.4	3.2	1.7	0.8	0.7
8	0.1	0.2	1.5	0.7	61	20	7.9	4.2	3.0	1.7	0.8	0.7
9	0.1	0.2	1.5	0.7	72	20	7.9	4.2	2.7	1.5	0.8	0.7
10	0.1	0.2	1.5	0.6	103	18	7.9	4.2	2.7	1.5	0.8	0.7
11	0.1	0.2	1.3	0.7	670	16	7.6	4.4	2.5	1.5	0.8	0.7
12	0.1	0.2	1.1	0.8	242	16	7.4	4.4	2.3	1.5	0.8	0.7
13	0	0.2	1.0	0.9	99	15	7.4	4.4	2.3	1.7	0.8	0.7
14	0	0.2	1.2	0.8	64	14	7.1	4.4	2.3	1.7	0.8	0.7
15	0	0.2	1.2	0.9	98	14	6.6	5.4	2.3	1.7	0.8	0.7
16	0.1	0.2	1.2	0.8	78	13	6.6	5.2	2.3	1.7	0.8	0.7
17	0.1	0.2	1.1	0.8	55	12	6.3	4.7	2.3	1.7	0.8	0.7
18	0.1	0.2	1.2	0.8	46	14	6.3	4.2	2.3	1.7	0.7	0.7
19	0.1	0.2	1.1	0.9	72	16	6.3	4.0	2.3	1.5	0.7	0.6
20	0.2	2.1	1.1	66	55	15	6.3	4.2	2.3	1.5	0.7	0.6
21	0.2	0.2	1.1	14	50	12	6.3	4.2	2.3	1.5	0.7	0.6
22	0.2	0.3	1.1	17	44	14	6.0	4.0	2.3	1.3	0.7	0.6
23	0.2	0.4	1.1	12	40	16	5.7	3.7	2.3	1.3	0.7	0.5
24	0.2	0.2	1.1	3.6	39	12	5.7	4.0	2.1	1.3	0.7	0.5
25	0.1	1.6	1.1	6.1	34	12	6.0	4.2	2.1	1.1	0.7	0.5
26	0.2	1.7	1.1	9.2	32	12	6.0	4.4	2.1	1.1	0.7	0.6
27	0.2	1.5	1.1	10	28	11	5.7	4.4	2.1	1.1	0.7	0.6
28	0.2	1.2	1.1	6.0	26	12	5.7	4.2	2.1	1.1	0.7	0.6
29	0.2	0.6	1.1	2.3		12	5.7	4.2	1.9	1.1	0.8	0.7
30	0.2	0.8	1.1	2.2		11	5.4	4.0	1.9	1.1	0.8	0.7
31	0.2		1.1	3.6		9.9		3.7		1.0	0.8	
	3.9	14.4	111.7	167.2	2025.2	493.9	209.6	135.2	75.7	45.6	24.9	19.7
MEAN	0.13	0.48	3.60	5.39	72.3	15.9	6.99	4.36	2.52	1.47	0.80	0.66
ACRE-FEET	7.7	29.	222.	332.	4020.	980.	416.	268.	150.	90.	49.	39.

Remarks:

YEAR OR PERIOD MEAN 9.12
ACRE-FEET 6600.

75D74M C(b 11-59

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, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.7	0.8	1.3	1.9	2.3	5.0	5.0	2.3	1.0	.6	.3
2	.6	.8	.8	1.3	1.9	2.3	5.0	5.0	2.3	1.0	.5	.3
3	.6	.8	.8	1.3	1.9	2.3	4.5	5.0	2.3	1.0	.5	.2
4	1.0	1.0	.8	1.3	1.7	2.1	4.0	5.2	2.3	1.0	.4	.7
5	.8	1.0	1.0	1.3	1.5	2.1	4.0	4.7	2.3	1.0	.5	.4
6	.8	1.0	1.0	1.3	1.5	2.1	3.5	4.4	2.3	1.0	.5	.4
7	1.0	1.0	1.0	1.3	1.5	2.1	3.5	4.2	2.3	1.0	.5	.4
8	1.0	1.0	1.0	1.3	1.5	2.1	3.0	4.0	2.5	1.0	.5	.3
9	1.0	1.0	1.0	1.3	91	2.3	3.0	4.0	3.0	1.0	.5	.2
10	1.0	1.0	1.0	1.3	98	2.1	2.7	4.0	7.0	1.0	.5	.1
11	1.0	1.0	1.0	1.3	30	2.1	2.7	4.2	7.6	1.0	.5	.1
12	1.0	1.0	1.0	1.3	8.0	2.1	2.7	4.0	3.4	.8	.5	.1
13	1.1	.8	1.0	1.1	5.0	1.9	2.5	3.7	2.5	.8	.4	.1
14	1.1	.8	1.0	1.1	15	1.9	4.7	3.4	2.1	.8	.4	.2
15	1.1	.8	1.0	1.1	7.0	2.3	3.4	3.0	1.9	.8	.4	.2
16	1.1	.8	1.0	1.1	6.0	10	2.3	2.5	1.7	.8	.4	.3
17	1.1	.7	1.0	1.1	5.0	13	2.1	2.5	1.5	.8	.4	.6
18	1.1	.6	1.0	1.1	5.0	5.2	1.9	2.5	1.5	.8	.4	1.0
19	1.1	.6	1.0	1.1	4.0	4.2	2.1	2.3	1.5	.8	.4	.8
20	1.1	.7	1.0	1.1	4.0	3.7	4.9	2.3	1.5	.8	.4	.7
21	1.1	.7	1.0	1.0	3.0	3.0	13	2.3	1.5	.8	.4	.7
22	1.1	.7	1.0	1.0	3.0	3.0	4.2	2.3	1.7	.7	.4	.8
23	1.1	.8	1.0	1.0	3.0	5.6	3.0	2.3	1.7	.7	.4	.8
24	1.1	.8	1.0	1.1	3.0	3.4	2.7	2.3	1.7	.7	.4	.7
25	1.1	1.0	1.0	1.1	3.0	3.0	3.0	2.3	1.5	.6	.4	.7
26	1.1	1.0	1.0	1.1	3.0	2.5	20	2.1	1.3	.6	.4	.6
27	1.1	1.0	1.0	1.0	2.5	2.5	8.5	2.1	1.3	.6	.4	.5
28	1.0	1.0	1.0	1.0	2.3	9.5	6.0	2.1	1.1	.5	.3	.5
29	.8	.8	1.1	1.0		6.6	5.2	2.3	1.0	.5	.3	.5
30	.8	.8	1.1	1.0		5.4	4.7	2.3	1.0	.5	.3	.6
31	.7		1.1	1.9		5.2		2.3		.5	.3	
	30.4	25.7	30.5	36.6	314.2	118.1	137.8	100.6	67.6	24.9	13.2	13.8
MEAN	0.98	0.86	0.98	1.18	11.2	3.81	4.59	3.25	2.25	0.80	0.43	0.46
ACRE-FEET	60.	51.	60.	73.	623.	234.	273.	200.	134.	49.	26.	27.

Remarks:

YEAR OR PERIOD MEAN 2.50
ACRE-FEET 1810.

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

LOCATION: LAT. 34°10'53", LONG. 118°10'21", ON THE (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 939.89 FEET.

DRAINAGE AREA: 32.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963, RECORDS PRIOR TO NOVEMBER 30, 1942 ARE AVAILABLE AT THE PASADENA WATER DEPARTMENT.

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 891 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW PART OF YEAR.

1962-63
MAXIMUM 51 SECOND-FEET JUNE 21 AND JUNE 24.
MINIMUM NO FLOW AT VARIOUS TIMES.

1942-63
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.

TSD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.6	0.3	0.5	12	2.6	1.7	0.9	0.1	+	+
2			1.3	0.3	0.5	12	2.8	2.2	0.7	0.1		
3			0.7	0.3	0.5	12	2.6	2.4	0.7	0.1		
4			0.5	0.3	0.5	12	2.6	2.2	0.7	0.1		
5			0.4	0.3	0.5	9.0	2.6	2.2	0.7	0.1		
6			0.3	0.3	0.5	5.3	2.6	2.1	0.6	0.1		
7			0.2	0.3	0.6	3.3	2.5	2.0	0.6	0.1		
8			0.3	0.3	1.8	2.8	2.4	1.7	0.5	0.1		
9			0.3	0.3	69	3.0	2.4	1.7	0.5	0.1		
10			0.3	0.3	156	3.2	2.4	1.6	0.5	0.1		
11			0.3	0.3	450	2.9	2.4	1.6	0.5	0.1		
12			0.3	0.4	544	2.9	2.4	1.6	0.4	0.1		
13			0.3	0.5	172	2.9	2.4	1.6	0.4	0.1		
14			0.3	0.5	156	2.9	2.4	1.4	7.2	0.1		
15			0.3	0.3	152	2.8	2.4	1.6	4.0	0.1		
16			0.3	0.3	86	2.6	2.5	1.6	0.5	0.1		
17			0.3	0.3	32	2.8	2.4	1.6	0.5	0.1		
18			0.3	0.3	18	3.3	2.4	1.4	0.5	0.1		
19		+	0.3	0.3	18	4.2	2.4	1.4	0.5	0.1		
20		0.7	0.3	1.9	17	3.2	2.4	1.4	0.5	0.1		
21		1.1	0.4	0.4	37	3.0	2.4	1.4	0.3	0.1		
22		0.9	0.4	0.5	59	2.8	2.2	1.3	0.3	0.1		
23		0.6	0.4	0.4	59	3.3	2.2	1.3	0.3	+		
24		0.4	0.3	0.3	59	3.0	2.1	1.3	0.1			
25		0.7	0.3	0.3	59	3.0	2.1	1.3	0.1			
26		0.6	0.3	0.3	39	2.9	2.0	1.3	0.1			
27		0.5	0.3	0.3	12	2.6	2.0	1.2	0.1			
28		0.4	0.3	0.3	12	2.8	2.1	1.0	0.1			
29		0.3	0.2	0.3		2.8	1.6	1.0	0.1			
30		0.6	0.2	0.3		2.8	1.7	0.9	0.1			+
31	+		0.2	0.4		2.8		0.9		+	+	
	+	6.8	112	11.9	2211.4	137.1	71.0	48.1	23.0	2.2	+	+
MEAN	+	0.22	0.36	0.38	79.0	4.43	2.37	1.55	0.77	0.07	+	+
ACRE-FEET	+	13.	22.	24.	4390.	272.	141.	95.	46.	4.4	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.91
ACRE-FEET 5010.

TSD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0	0	0	+	b 0.8	b 0.8	b 0.9	b 0.8	b 0.6	0.1	0.07
2	0.01	0	0	0		0.8	0.8	0.9	0.8	0.4	0.1	0.07
3	0.01	0	0	0		0.8	0.8	0.9	0.8	0.4	0.1	0.07
4	0.01	0	0	0		0.8	0.8	0.9	0.8	0.3	0.07	0.2
5	0.01	0	0	0		0.8	0.8	0.9	0.8	0.3	0.07	0.1
6	0.01	0	0	0		0.8	0.8	0.9	0.8	0.3	0.07	0.07
7	0.01	0	0	0		0.8	0.8	0.9	0.8	0.3	0.07	0.07
8	0.01	0	0	0	+	0.8	0.8	0.9	0.8	0.4	0.07	0.05
9	0.01	0	0	0	a 12.0	0.8	0.8	0.9	0.8	0.4	0.07	0.05
10	0.01	0	0	0	0.7	0.8	0.8	0.9	0.7	0.3	0.05	0.05
11	0.01	0	0	0	0.7	0.8	0.8	0.9	0.7	0.3	0.05	0.03
12	0.01	0	0	0	0.7	0.8	0.8	0.8	0.6	0.3	0.05	0.03
13	0.01	0	0	0	a 0.7	0.8	0.8	0.8	0.6	0.3	0.07	0.03
14	0	0	0	0	b 0.7	0.8	1.2	0.8	0.7	0.2	0.1	0.03
15	0	0	0	0	b 0.7	0.8	0.9	0.8	0.7	0.1	0.1	0.01
16	0	0	0	0	c 0.7	1.4	0.9	0.8	0.8	0.1	0.05	0.01
17	0	0	0		b 0.8	0.9	0.9	0.8	0.8	0.1	0.05	0.05
18	0	0	0	0	0.8	0.9	0.9	0.8	0.8	0.1	0.05	0.03
19	0	0	0	0	0.8	0.9	0.9	0.9	0.8	0.1	0.05	0.2
20	0	0	0	0	0.8	0.9	1.1	0.9	b 0.8	0.1	0.05	0.2
21	0	0	0	0	0.8	0.9	0.8	0.9	6.3	0.1	0.05	0.2
22	0	0	0	0	0.8	0.9	0.8	0.9	4.8	0.1	0.03	0.2
23	0	0	0	0	b 0.8	0.8	0.8	0.9	5.0	0.1	0.03	0.2
24	0	0	0	0	c 0.8	0.8	0.8	0.9	7.8	b 0.1	0.01	0.2
25	0	0	0	0	c 0.8	0.8	0.9	0.9	5.6	0.1	0.01	0.2
26	0	0	0	0	b 0.8	0.8	1.4	0.8	5.3	0.1	0.01	0.2
27	0	0	0	0	b 0.8	0.8	0.9	0.8	6.2	0.1	0.01	0.2
28	0	0	0	0	b 0.8	1.1	0.9	0.8	6.1	0.1	0.01	0.2
29	0	0	0	0		0.8	0.9	0.8	5.6	0.1	b 0.01	0.2
30	0	0	0	0		0.8	b 0.9	0.8	b 2.1	0.1	b 0.01	0.2
31	0		0	0		b 0.8		b 0.8		0.1	b 0.01	
	0.13	0	0	+	26.5	26.3	26.3	26.6	70.0	6.5	1.58	3.42
MEAN	+	0	0	+	0.95	0.85	0.88	0.86	2.33	0.21	0.05	0.11
ACRE-FEET	0.3	0	0	+	53.	52.	52.	53.	139.	13.	3.1	6.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.51
ACRE-FEET 372.

STATION F298-R
BALLONA CREEK at Curson Avenue

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

DRAINAGE AREA: 25.42 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 38.5 FEET WIDE BY 12.7 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 4, 1962.

REGULATION: HOLLYWOOD RESERVOIR AND SILVERLAKE RESERVOIR.

DIVERSIONS: NONE.

RECORDS AVAILABLE: STORM FLOW RECORDS ARE AVAILABLE FROM MARCH 17, 1942 TO SEPTEMBER 30, 1955. DAILY FLOW RECORDS ARE AVAILABLE DECEMBER 2, 1949 TO SEPTEMBER 4, 1962. (STATION DISCONTINUED)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 4020 SECOND-FEET FEBRUARY 12.
MINIMUM 0.5 SECOND-FEET AT VARIOUS TIMES.
1942-62
MAXIMUM OF RECORD 5130 SECOND-FEET FEBRUARY 19, 1958.
MINIMUM OF RECORD 0.5 SECOND-FOOT AUGUST 6, 1961.

ACCURACY: FAIR.

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

9AD14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F298-R

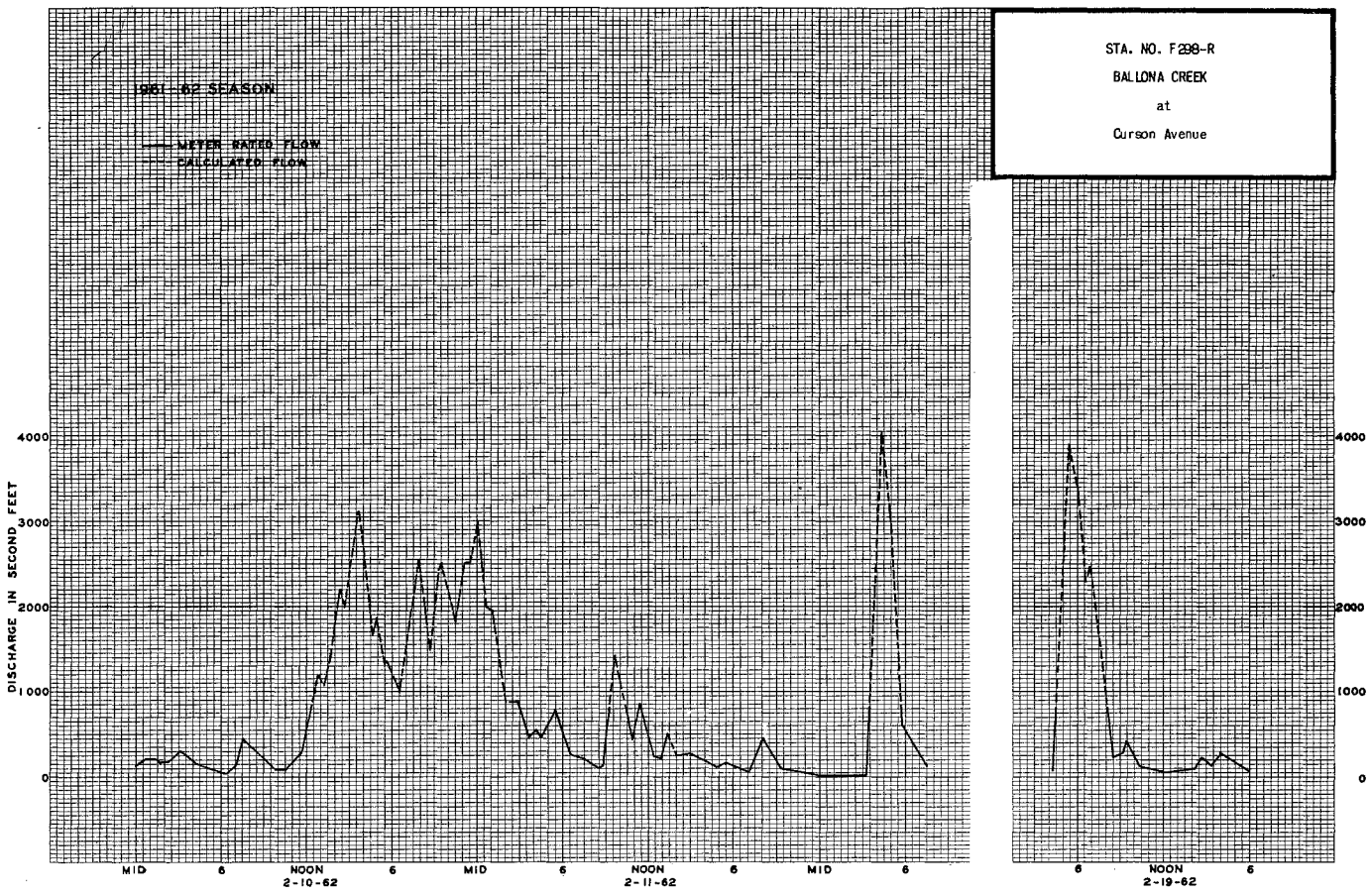
Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.6	4.6	24	32	15	5.7	3.2	1.4	6.7	4.0	5.7	4.0
2	6.7	5.7	284	4.0	2.5	5.7	3.2	1.4	5.7	3.2	6.7	4.0
3	5.7	7.7	27	5.7	2.5	4.0	4.0	1.9	4.0	2.5	6.7	7.7
4	5.7	5.7	7.7	4.6	3.2	4.6	4.0	3.2	7.7	0.5	6.7	
5	8.7	3.2	6.7	2.5	4.0	5.7	4.0	1.4	7.7	1.4	8.7	
6	a 7.7	4.0	7.7	2.5	4.0	101	3.2	2.5	7.7	1.9	9.9	
7	7.7	4.0	123	1.9	80	9.9	2.5	4.0	6.7	0.5	8.7	
8	7.7	4.6	123	1.9	640	6.7	2.5	4.8	5.7	0.5	6.7	
9	7.7	7.7	111	2.5	320	7.7	5.7	5.7	5.7	3.2	5.7	
10	a 7.7	5.7	9.9	4.0	1040	5.7	5.7	4.8	3.2	4.6	5.7	
11	6.7	5.7	9.9	5.7	501	4.6	6.7	6.7	4.0	6.7	7.7	
12	123	4.0	7.8	33	328	4.0	6.7	7.7	4.0	4.6	4.8	
13	9.9	4.6	5.6	8.9	24	4.0	5.7	4.0	4.0	7.7	4.0	
14	7.7	a 8.7	32	2.5	24	e 4.4	5.7	6.7	3.2	4.6	4.0	
15	5.7	a 4.6	6.7	3.2	575	a 4.4	5.7	6.7	4.0	3.2	5.7	
16	8.7	a 6.7	6.7	4.0	116	a 4.4	5.7	4.8	3.2	6.7	8.7	
17	7.7	7.7	6.7	4.0	15.0	8.7	5.7	5.7	1.9	5.7	8.7	
18	8.7	4.8	5.7	4.0	13.6	79	4.0	7.7	2.5	4.0	3.2	
19	5.7	a 8.7	4.6	4.8	463	b 123	4.8	6.7	3.2	4.6	4.0	
20	4.8	f 310	4.6	396	31	f 123	8.7	3.2	4.8	6.7	4.8	
21	a 5.2	b 4.0	4.0	110	16.5	123	8.7	4.8	3.2	7.7	4.0	
22	5.2	4.0	4.0	148	11.1	32	7.7	5.7	3.2	4.8	4.0	
23	5.2	a 4.0	4.0	18.5	8.7	8.7	11.1	5.7	4.0	6.7	4.0	
24	5.2	a 4.0	3.2	3.2	9.9	5.7	9.9	6.7	4.0	4.6	6.7	
25	5.2	167	3.2	2.5	6.7	4.0	11.1	7.7	4.8	4.6	4.0	
26	a 5.2	22	3.2	1.9	7.7	4.0	8.7	6.7	4.8	4.8	3.2	
27	5.7	4.8	4.0	1.4	7.7	3.2	5.7	4.0	4.6	5.7	8.7	
28	2.5	4.0	4.0	1.4	5.7	3.2	2.5	5.7	4.8	4.8	7.7	
29	1.4	3.2	4.0	1.4		2.5	2.5	4.8	6.7	3.2	9.9	
30	3.2	41	4.0	1.4		3.2	4.6	3.2	5.7	4.0	7.7	
31	4.0		4.0	1.9		4.0		4.8		7.7	5.7	
	196.0	677.2	535.2	790.7	4262.7	378.0	170.1	150.8	141.6	136.6	192.4	INC. 15.7
MEAN	6.32	22.6	17.3	25.5	152.	12.2	5.67	4.86	4.72	4.41	6.21	E 6.72
ACRE-FEET	389.	1340.	1060.	1570.	8450.	750.	337.	300.	281.	271.	382.	E 400.

STATION DISCONTINUED SEPTEMBER 4

Remarks:

YEAR OR PERIOD MEAN 21.5
ACRE-FEET 15,530.



STATION F38B-R
BALLONA CREEK at Sawtelle Boulevard

LOCATION: 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, 11.06 FEET. DATUM LOWERED 0.20 FEET OCTOBER 1961.

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

CHANNEL AND CONTROL: CHANNEL - CONCRETE INVERT WITH GUNITED LEVEES ON A 3 TO 1 SLOPE. CHANNEL FORMS CONTROL. (PAVING DONE OCTOBER 1961.)

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

DIVERSIONS: SOME SMALL PUMPING DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: AT STATION F38-R - FEBRUARY 27, 1928 TO APRIL 27, 1936; AT STATION F38B-R - MAY 14, 1936 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 12910 SECOND-FEET, FEBRUARY 19.
MINIMUM 0.2 SECOND-FEET, OCTOBER 25.
1962-63
MAXIMUM 12070 SECOND-FEET, MARCH 16.
MINIMUM 3.2 SECOND-FEET, DECEMBER 23.
1928-63 (STATIONS F38-R AND F38B-R)
MAXIMUM 19000 SECOND-FEET, MARCH 2, 1938, (171.2 CFS PER SQUARE MILE).
MAXIMUM 18900 SECOND-FEET FEBRUARY 13, 1954 (213.3 CFS PER SQUARE MILE).
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD, EXCEPT DURING PERIODS OF ESTIMATED FLOW.

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

7&D74M C(b 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 8.5	6.0	23	39	8.1	14.6	7.4	8.8	13.6	11.5	11.5	8.1
2	10.4	7.4	1060	8.1	8.8	13.6	6.7	8.1	14.6	13.6	10.5	6.0
3	9.4	10.5	86	10.5	6.0	12.6	10.5	8.8	12.6	14.6	11.5	6.0
4	9.4	10.5	10.5	9.5	6.0	11.5	8.1	11.5	8.8	11.5	9.5	8.8
5	12.4	e 10.5	9.5	7.4	8.8	13.6	6.7	8.1	8.8	11.5	8.8	8.8
6	11.4	9.5	8.8	5.3	8.8	426	9.5	6.0	9.5	17.7	9.5	8.8
7	11.4	8.8	10.5	3.9	306	14.6	8.8	8.8	9.5	12.6	10.5	10.5
8	11.4	8.1	8.8	7.4	3280	12.6	6.7	9.5	10.5	8.8	10.5	11.5
9	11.4	7.4	7.4	8.8	1150	19.4	8.8	9.5	10.5	11.5	10.5	7.4
10	11.4	e 6.7	6.0	6.7	3490	10.5	10.5	10.5	5.3	11.5	10.5	8.1
11	10.4	6.7	9.5	9.5	2280	8.1	11.5	11.5	9.5	13.6	9.5	8.8
12	16.0	3.9	11.5	78	910	9.5	12.6	12.6	8.1	12.6	6.7	10.5
13	13.6	7.4	9.5	44	57	8.8	10.5	6.0	8.8	16.6	6.7	10.5
14	11.4	12.6	75	3.2	44	8.1	9.5	10.5	9.5	11.5	8.8	10.5
15	9.4	8.8	8.1	6.0	2090	8.1	8.1	10.5	10.5	8.1	8.8	8.1
16	12.4	10.5	5.3	8.1	267	8.1	11.5	12.6	4.6	10.5	11.5	8.1
17	11.4	11.5	3.9	8.1	37	8.8	13.6	11.5	3.2	13.6	6.0	10.5
18	12.4	9.5	5.3	8.1	31	262	15.6	8.8	6.0	11.5	20	13.6
19	9.4	12.6	6.7	8.1	1750	26	15.6	8.8	6.7	11.5	6.7	17.7
20	8.5	701	7.4	1340	138	34	14.6	4.6	8.1	12.6	9.5	16.6
21	8.9	9.5	9.5	286	54	22	12.6	7.4	12.6	14.6	12.6	16.6
22	8.9	6.0	10.5	648	29	97	19.7	7.4	11.5	8.1	10.5	13.6
23	e 8.9	5.3	7.4	49	27	192	14.6	6.7	8.8	10.5	10.5	9.5
24	7.1	6.0	6.0	9.5	37	15.6	12.6	6.7	8.1	14.6	11.5	12.6
25	7.4	592	3.9	9.5	18.7	14.6	10.5	6.7	10.5	12.6	a 9.5	12.6
26	7.0	44	8.1	8.8	17.7	11.5	13.6	9.5	13.6	11.5	9.5	10.5
27	5.9	4.6	10.5	7.4	15.6	12.6	13.6	6.0	13.6	13.6	9.5	11.5
28	3.9	4.6	7.4	5.3	13.6	11.5	8.8	8.1	12.6	12.6	10.5	12.6
29	3.2	5.3	8.1	9.5		9.5	6.0	12.6	13.6	8.8	10.5	9.5
30	10.7	148	7.4	6.7		12.6	8.8	10.5	12.6	8.8	a 10.5	8.8
31	9.5		4.6	9.5		12.6		11.5		12.6	10.5	
	303.4	1456.1	1608.9				327.6		269.2		313.1	
	1695.2		2633.6		1169.2			280.1		375.2		316.7
MEAN	9.79	56.5	47.0	85.0	575.	37.7	10.6	9.04	9.87	12.1	10.1	10.6
ACRE-FEET	602.	3360.	2890.	5220.	31910.	2320.	650.	556.	588.	744.	621.	628.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 69.2
ACRE-FEET 50,090.

7&D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

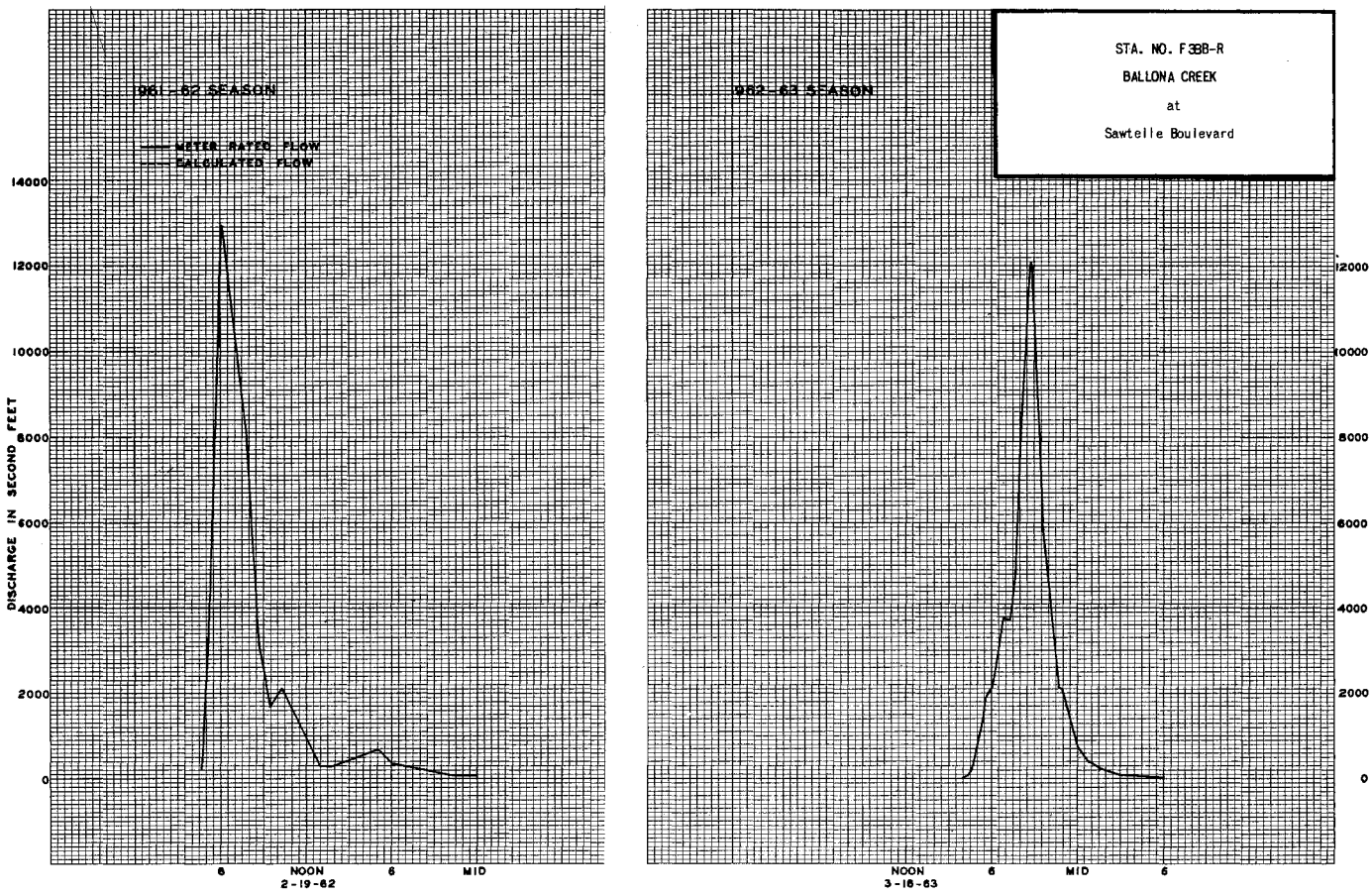
Sta. No. F38B-R

Daily discharge, in second-feet of BALLONA CREEK at Sawtelle Boulevard, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.5	13.6	6.7	5.3	114	8.1	9.5	8.1	9.5	7.4	10.5	7.4
2	13.6	12.6	5.3	8.1	9.5	7.4	8.1	7.4	8.1	9.5	13.6	8.1
3	10.5	10.5	7.4	13.6	7.4	5.3	8.8	7.4	10.5	11.5	10.5	8.8
4	9.5	9.5	8.1	8.8	8.1	8.1	9.5	6.7	8.1	7.4	8.8	168
5	12.6	12.6	9.5	6.7	6.7	10.5	8.1	7.4	9.5	9.5	13.6	8.8
6	8.8	9.5	9.5	6.7	6.7	10.5	8.1	11.5	9.5	8.8	12.6	7.4
7	8.8	11.5	11.5	8.1	7.4	8.8	9.5	12.6	10.5	8.1	12.6	6.7
8	10.5	10.5	8.1	8.8	7.4	9.5	28	11.5	10.5	11.5	37	4.6
9	11.5	11.5	8.1	9.5	1940	116	7.4	12.6	8.8	11.5	12.6	6.0
10	11.5	8.8	11.5	15.3	688	6.0	10.5	10.5	11.5	10.5	10.0	5.3
11	11.5	7.4	11.5	8.8	16.6	6.0	10.5	12.6	33	10.5	10.0	6.7
12	11.5	7.4	10.5	6.7	10.5	7.4	12.6	8.1	9.5	11.5	10.5	11.5
13	11.5	8.8	8.8	6.0	19.7	12.6	9.5	9.5	9.5	11.5	10.5	8.8
14	37	8.8	9.5	8.8	100	18.7	330	10.5	8.8	10.5	10.5	5.3
15	b 8.8	8.8	8.8	8.1	8.8	43	44	7.4	7.4	15.6	10.5	5.3
16	8.8	8.8	7.4	7.4	8.1	1330	8.1	10.5	6.0	14.6	10.5	7.4
17	8.8	6.0	9.5	8.8	8.1	128	11.5	8.8	9.5	17.7	11.5	222
18	b 8.8	6.0	7.4	9.5	9.5	6.0	10.5	7.4	8.8	11.5	10.5	98
19	8.8	6.7	6.0	7.4	10.5	4.6	8.8	6.0	11.5	9.5	12.6	86
20	8.1	17.4	7.4	7.4	11.5	5.3	136	9.5	11.5	8.1	11.5	7.4
21	7.4	14.6	6.7	7.4	8.8	4.6	66	9.5	11.5	7.4	11.5	6.0
22	10.5	9.5	4.6	8.8	8.8	40	6.7	9.5	12.6	11.5	9.5	6.0
23	11.5	9.5	3.2	9.5	8.8	244	7.4	11.5	10.5	13.6	6.7	7.4
24	9.5	7.4	6.7	9.5	9.5	6.0	7.4	10.5	15.6	11.5	6.0	8.8
25	9.5	4.6	10.7	10.5	12.6	8.1	59	8.8	15.6	11.5	6.0	10.5
26	10.5	9.5	6.7	10.5	10.5	8.8	440	7.4	12.6	12.6	9.5	14.6
27	10.5	11.5	8.1	7.4	8.8	9.5	6.7	8.8	11.5	10.5	9.5	16.6
28	7.4	12.6	10.5	8.8	8.8	754	5.3	8.1	9.5	8.8	10.5	17.7
29	10.5	8.1	8.1	10.5		9.5	7.4	9.5	8.8	12.6	10.5	15.6
30	12.6	7.4	9.5	11.5		5.3	9.5	8.8	5.3	10.5	11.5	17.7
31	16.6		7.4	316		5.3		11.5		10.5	7.4	
	347.9	291.4	254.7	580.2	3075.1	2846.9	1304.4	289.9	325.5	337.7	349.0	810.4
MEAN	11.2	9.71	8.22	18.7	110.	91.8	43.5	9.4	10.8	10.9	11.3	27.0
ACRE-FEET	690.	578.	505.	1150.	6100.	5650.	2590.	575.	646.	670.	690.	1610.

Remarks:

YEAR OR PERIOD MEAN 29.6
ACRE-FEET 21,450.



STATION F282-R
BALLONA CREEK at Pacific Avenue

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

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

RECORDS AVAILABLE:
CONTINUOUS WATER-STAGE RECORDS AVAILABLE FROM AUGUST 9, 1940 TO AUGUST 1, 1962. (DISCONTINUED)

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

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

STATION F120B-R
BIG DALTON CREEK below Big Dalton Dam

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

DRAINAGE AREA: 4.8 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: 4.5 SQUARE MILES REGULATED BY BIG DALTON DAM. 0.3 SQUARE MILE 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, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 25 SECOND-FEET, FEBRUARY 17 AND 18.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 35 SECOND-FEET, OCTOBER 8.
MINIMUM NO FLOW MOST OF YEAR.
1940-63
MAXIMUM 111 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: POOR.

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

76D764M C25 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	.7	v 11 2	0	0	0	0	0
2	0	0	.6	0	0	.9	11.7	0	0	0	0	0
3	0	0	b .6	0	0	.8	13.9	0	0	0	0	0
4	0	0	b .4	0	0	.7	10.8	0	0	0	0	0
5	0	0	b .2	0	0	v .7	11.8	0	0	0	0	0
6	0	0	.1	0	0	4.4	10.6	0	0	0	0	0
7	0	0	+	0	+	19.4	11.3	0	0	0	0	0
8	0	0	+	0	1.2	19.1	10.8	0	0	0	0	0
9	0	0	+	0	.9	v12.3	10.8	0	0	0	0	0
10	0	0	0	0	.7	.4	v 4.0	0	0	0	0	0
11	0	0	0	0	.7.0	.1	0	0	0	0	0	0
12	0	0	0	0	v 13.1	.1	0	0	0	0	0	0
13	0	0	0	0	12.3	3.4	0	0	0	0	0	0
14	0	0	+	0	12.0	v13.6	0	0	0	0	0	0
15	0	0	+	0	v 12.3	11.7	0	0	0	0	0	0
16	0	0	0	0	18.5	9.6	0	b .8	0	0	0	0
17	0	0	0	0	v 25	v 8.9	0	+	0	0	0	0
18	0	0	0	0	25	7.3	0	0	0	0	0	0
19	0	0	0	0	17.8	v 8.2	0	0	0	0	0	0
20	0	1.4	0	1.3	7.6	6.0	0	0	0	0	0	0
21	0	b .3	0	b .2	11.7	8.3	0	0	0	0	0	0
22	0	b .3	0	b .3	11.6	2.3	0	0	0	0	0	0
23	0	b .1	0	.2	v 6.3	3.2	0	0	0	0	0	0
24	0	0	0	.2	1.3	0	0	0	0	0	0	0
25	0		0	+	1.2	0	0	0	0	0	0	0
26	0	0	0		1.1	4.1	0	0	0	0	0	0
27	0	0	0		1.0	7.1	0	0	0	0	0	0
28	0	0	0		.9	12.7	0	0	0	0	0	0
29	0	0	0			13.0	0	0	0	0	0	0
30	0	0	0	+		11.7	0	0	0	0	0	0
31	0		0	0		v11.7				0	0	
	0	2.1	2.1	2.2	188.5	202.4	106.9	0.8	0	0	0	0
MEAN	0	0.08	0.07	0.07	6.73	6.53	3.56	0.03	0	0	0	0
ACRE-FEET	0	4.2	4.2	4.4	374.	401.	212.	1.6	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.38
ACRE-FEET 1000.

74D74M Gib 11-59

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, 1963

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	v 15.1	0	0	0	0	0	0	0	0	0	0	0
9	5.6	0	0	0	v 0.3	0	0	0	0	0	0	0
10	13.2	0	0	0	v 0.6	0	0	0	0	0	0	0
11	18.3	0	0	0	+	0	0	0	0	0	0	0
12	v 6.0	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	v 7.5	0	0	0	0	0	0	0
15	0	0	0	0	v11.0	0	0	0	0	0	0	0
16	0	0	0	0	v 3.7	v 0.1	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	+
19	0	0	0	0	0	0	0	0	0	0	0	+
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	v 0.2	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	
	58.2	0	0	0	23.3	0.1	0.2	0	0	0	0	+
MEAN	1.88	0	0	0	0.83	+	0.01	0	0	0	0	+
ACRE-FEET	115.	0	0	0	46.	0.2	0.4	0	0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.22
ACRE-FEET 162.

STATION U9-R
BIG DALTON CREEK near Mouth of Canyon

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

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1962. (DISCONTINUED)

AVERAGE DISCHARGE: 42 YEARS (1920-61) 1.08 SECOND-FEET.

EXTREMES:
1961-62--
MAXIMUM DISCHARGE 2840 SECOND-FEET DECEMBER 2, (GAGE HEIGHT 6.25 FEET).
MINIMUM NO FLOW DURING MOST OF YEAR.
1919-62
MAXIMUM DISCHARGE ABOUT 2840 SECOND-FEET DECEMBER 2, 1961.
MINIMUM NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

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

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

74D744 Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of DALTON CREEK near Mouth of Canyon for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.2	2.1	9.0	0.1	0.1	0	0	0
2	0	0	71	0	0.1	2.1	7.0	0	0.1	0	0	0
3	0	0	2.0	0	0	2.0	12	0	0.1	0	0	0
4	0	0	1.1	0	0	1.6	11	0	0.1	0	0	0
5	0	0	0.6	0	0	1.5	9.4	0	0.1	0	0	0
6	0	0	0.5	0	0	5.0	8.4	0	0.1	0	0	0
7	0	0	0.2	0	0.1	20	5.0	0	0.1	0	0	0
8	0	0	0.2	0.1	5.5	16	3.0	0	0.1	0	0	0
9	0	0	0.1	0	7.8	5.5	2.0	0	0	0	0	0
10	0	0	0.1	0	4.7	0.7	1.0	0	0	0	0	0
11	0	0	0.1	0	13	1.1	0.5	0	0	0	0	0
12	0	0	0.1	0	12	1.5	0.3	0	0	0	0	0
13	0	0	0.1	0	7.7	4.2	0.3	0	0	0	0	0
14	0	0	0.2	0	5.8	12	0.3	0.1	0	0	0	0
15	0	0	0.1	0	8.8	11	0.2	0	0	0	0	0
16	0	0	0.1	0	18	11	0.2	3.1	0	0	0	0
17	0	0	0.1	0	20	7.6	0.2	0.1	0	0	0	0
18	0	0	0.1	0	18	4.1	0.2	0.1	0	0	0	0
19	0	0	0.1	0	18	4.4	0.2	0.1	0	0	0	0
20	0	122	0.1	25	9.5	5.1	0.2	0.1	0	0	0	0
21	0	0	0.1	1.0	12	3.6	0.2	0.1	0	0	0	0
22	0	0	0.1	0.5	13	4.9	0.2	0.1	0	0	0	0
23	0	0	0.1	0.4	7.0	5.2	0.2	0.1	0	0	0	0
24	0	0	0	0.3	3.0	1.5	0.2	0.1	0	0	0	0
25	0	0	0	0.3	2.5	1.0	0.2	0.1	0	0	0	0
26	0	0	0	0.3	2.0	3.4	0.2	0.1	0	0	0	0
27	0	0	0	0.3	2.0	7.4	0.2	0.1	0	0	0	0
28	0	0	0	0.2	2.0	16	0.1	0.1	0	0	0	0
29	0	0	0	0.2		13	0.1	0.1	0	0	0	0
30	0	0	0	0.2		13	0.1	0.1	0	0	0	0
31	0		0	0.2		13		0.1		0	0	
	0	122.0	77.4	29.0	192.7	200.7	72.1	4.8	0.6	0	0	0
MEAN	0	4.07	2.50	0.94	6.88	6.47	2.40	0.15	0.03	0	0	0
ACRE-FEET	0	242.	154.	58.	382.	398.	143.	9.5	1.6	0	0	0

Remarks:

YEAR OR PERIOD MEAN 1.92
ACRE-FEET 1390.

STATION F202-R
BIG DALTON WASH at Sierra Madre Avenue

LOCATION: LAT. 34°08'49", LONG. 117°50'13", ON THE RIGHT (WEST) BANK OF CHANNEL, 74 FEET UPSTREAM OF SIERRA MADRE AVENUE, ELEVATION OF ZERO GAGE HEIGHT, 990.8 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.98 SQUARE MILES. (7.67 SQUARE MILES PRIOR TO OCTOBER 1959).

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 20 FEET WIDE AND 10 FEET DEEP. BOTTOM IS WARPED 0.33 FOOT TOWARD STATION. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY BIG DALTON DAM, BIG AND LITTLE DALTON SPREADING GROUNDS AND BIG DALTON AND LITTLE DALTON DEBRIS BASINS.

DIVERSIONS: NONE AFTER 1961.

RECORDS AVAILABLE: DECEMBER 27, 1951 TO MAY 8, 1959 AND MARCH 1, 1950 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 84 SECOND-FEET JANUARY 22.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 5.8 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1951-63
MAXIMUM 84 SECOND-FEET JANUARY 22, 1962.
MINIMUM NO FLOW MOST OF EVERY YEAR.

ACCURACY: FAIR.

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

7SD74M C5b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0	0.2	+	+	0.2	0.4	0.1	+	+
2	0	0	0.3	0	0.2		0.1	0.1	0.1	0.4		
3	0	0	0	0	0.2		0.1	0.9	0.2	0.2		
4	0	0	0.3	0	0.2	+	0.1	1.9	0.4	b 0.4		
5	0	0	+	0	0.2	0.1	0.4	1.5	0.4	0.4		
6	0	0	+	0	0.2	0.2	0.9	0.9	0.7	0.2		+
7	0	0	0.4	0	0.4	0.2	0.9	0.9	0.5	0.2	+	0
8	0	0	+	+	1.2	0.4	0.9	0.7	0.4	0.1	0.1	0
9	0	0		0	0.4	0.5	0.9	1.2	0.1	0.1	+	0
10	0	0		0	0.4	0.5	0.9	0.9	0.4	+		0
11	0	0	+	0	1.5	0.5	0.7	0.7	1.5	b 0.2		0
12	0	0	0.1	0	1.5	0.5	1.2	0.5	1.5	0.4		0
13	0	0	0.1	0	3.7	0.5	0.4	0.7	0.7	0.4		0
14	0	0	0.1	0	1.9	0.4	0.2	1.2	0.4	0.4		0
15	0	0	0.1	0	0.1	0.4	0.4	1.2	0.4	0.2		0
16	0	0	0.1	0	0.2	0.4	0.9	1.9	0.1	0.2		0
17	0	0	0.1	0	0.7	0.4	0.5	1.9	+	0.2		0
18	0	0	0.1	0	1.5	0.4	0.9	1.2	0.2	0.4		0
19	0	0	0	0	1.5	0.4	1.9	0.9	0.2	b 0.2		0
20	0	0.2	+	a 2.0	1.5	0.2	1.2	0.5	0.2	0.2		0
21	0	0		a 0.2	1.5	0.2	0.2	0.9	0.2	0.2		0
22	0	0		3.3	1.9	0.2	0.2	0.9	0.2	0.2		0
23	0	0	+	+	1.9	0.2	0.2	0.9	+	0.1		0
24	0	0.7	0	0.2	1.5	0.1	0.4	1.2	+	0.1		0
25	0	0.4	0	0.4	0.5	0.1	1.2	1.5	0.2	+		0
26	0	+	0	0.4	0.2	+	0.4	0.9	0.2			0
27	0		0	0.2	+		0.7	1.9	0.2			0
28	0		0	0.2	+		1.5	1.9	a 0.2			0
29	0	+	0	0.2			1.5	1.5	a 0.2		+	0
30	0	0.2	0	0.2			0.9	0.5	a 0.1		0.1	0
31	0		0	0.2		+		0.5		+	0.1	
	0	1.5	1.8	7.5	25.2	6.8	20.7	32.5	10.3	5.5	0.3	+
MEAN	0	0.05	0.06	0.24	0.90	0.22	0.69	1.05	0.34	0.18	0.01	+
ACRE-FEET	0	3.0	3.6	15.	50.	13.	41.	64.	20.	11.	0.6	+

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 0.31
OR
PERIOD ACRE-FEET 221.

7SD74M C5b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of BIG DALTON WASH at Sierra Madre Avenue, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0	0	+	0.2	+	+	0
2	0	0	0	0	+	0	0	0.1	0.2			0
3	0	0	0	0	0	0	0	0.4	0.2			0
4	+	0	0	0	0	0	0	0.4	0.2			+
5	0	0	0	0	0	0	0	0.2	0.2			+
6	0	0	0	0	0	+	0	0.2	0.2			0
7	0	0	0	0	0		0	0.2	0.2			0
8	0	0	0	0	0		+	0.2	0.2		+	0
9	0	0	0	0.2	0.7		+	0.2	0.2		0	0
10	0	0	0	+	0.4	+	+	0.2	0.2		0	0
11	0	0	0	0	0	0	0.1	0.2	0.2		0	0
12	0	0	0	0	+	0	+	0.2	0.2		0	0
13	+	0	0	0	0	0	+	0.2	0.2		0	0
14	+	0	0	0	+	0	0.1	0.2	0.2		0	0
15	0	0	0	0	0	+	+	0.2	0.2		0	0
16	0	0	0	0	0	0.1	+	0.2	0.2		0	0
17	0	0	0	0	0	+	+	0.2	0.2		0	0.3
18	+	0	0	0	0.1	0	0	0.2	0.2		0	0.2
19	+	0	0	0	+	0	0	0.2	0.2		0	+
20	+	0	0	0	+	0	0.1	0.2	0.2		0	0
21	0	0	0	0	0	0	0	0.2	0.2		0	0
22	0	0	0	0	0	+	0	0.2	0.2		0	0
23	0	0	+	0	0	0.1	0	0.2	0.1		0	0
24	0	0	0	0	0	+	+	0.2	0.1		0	0
25	0	0	0	0	0		+	0.2	+		0	0
26	0	0	0	0	0		0.1	0.2	0.1		0	0
27	0	0	0	0	0		+	0.2	+		0	0
28	0	0	0	0	0	+	+	0.2			0	0
29	0	0	0	0		0	0	0.2			0	0
30	0	0	0	0		0	0	0.2	+		0	0
31	0		0	0.1		0		0.2		+	0	
	+	0	+	0.3	1.2	0.2	0.4	6.3	4.7	+	+	0.5
MEAN	+	0	+	0.01	0.04	0.01	0.01	0.21	0.16	+	+	0.02
ACRE-FEET	+	0	+	0.6	2.4	0.4	0.8	12.	9.3	+	+	1.0

Remarks: + = 0.05 CFS OR LESS

YEAR MEAN 0.04
OR
PERIOD ACRE-FEET 26.

STATION F274B-R
DALTON WASH at Merced Avenue

LOCATION: LAT. 34°04'29", LONG. 117°57'47", ON THE RIGHT (WEST) BANK AND UPSTREAM OF MERCED AVENUE ABOUT 150 FEET, ABOUT ONE-HALF MILE ABOVE THE JUNCTION WITH WALNUT WASH AND ABOUT ONE MILE SOUTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT 348.26 FEET. FORMER STATION, F274-R, WAS LOCATED 150 FEET DOWNSTREAM.

DRAINAGE AREA: 36.0 SQUARE MILES AFTER SEPTEMBER 1958, AND 28 SQUARE MILES PRIOR TO SEPTEMBER 1958, NOT INCLUDING THE AREA ABOVE PUDDINGSTONE DIVERSION DAM.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, BIG DALTON SPREADING GROUNDS, LITTLE DALTON SPREADING GROUNDS, BIG DALTON DEBRIS BASIN, LITTLE DALTON DEBRIS BASIN, AND IRWINDALE SPREADING GROUNDS.

DIVERSIONS: SAN DIMAS WATER COMPANY AND SAN DIMAS LAND AND WATER COMPANY DIVERTS FLOW FROM SAN DIMAS CREEK.

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1958 AT STATION F274-R AND FROM OCTOBER 1, 1958 TO SEPTEMBER 30, 1963 AT STATION F274B-R.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 4270 SECOND-FEET NOVEMBER 20.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1962-63
MAXIMUM 2020 SECOND-FEET MARCH 16.
MINIMUM 0.2 SECOND-FOOT SEVERAL DAYS IN DECEMBER.
1940-63
MAXIMUM 4270 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM NO FLOW PART OF SOME YEARS.

ACCURACY: GOOD.

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

YADT4M GPO 17-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274B-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	b 1.0	1.4	0.3	1.2	7.4	0.1	2.0	3.1	3.8	5.3	4.6
2	0.3	1.2	346	0.3	1.2	3.8	0.1	2.4	3.8	3.1	3.1	6.0
3	0.2	1.4	4.9	0.4	1.2	5.3	0.1	3.1	6.0	3.1	3.1	6.0
4	0.2	1.8	1.2	1.6	1.4	1.6	0.1	2.4	4.6	6.0	3.8	5.3
5	0.2	1.4	0.4	0.4	1.6	1.6	0.1	2.4	3.8	3.6	4.6	3.1
6	0.2	1.4	0.3	0.4	1.2	61	0.1	5.3	3.8	3.1	3.8	3.1
7	0.3	1.8	1.0	0.6	7.8	15.5	0.1	3.1	3.1	5.3	2.2	3.8
8	0.2	2.0	1.6	0.8	355	9.6	+	3.6	3.1	5.3	3.8	3.1
9	0.2	3.1	1.8	1.8	135	4.2	0.1	2.4	2.4	3.8	3.1	3.8
10	0.3	1.8	2.2	1.4	14.5	7.4	0.1	3.8	3.1	3.8	3.8	3.1
11	0.1	2.4	1.8	1.0	511	2.2	0.1	2.4	3.8	3.8	4.6	3.1
12	0.3	1.8	1.6	18.6	43	a 2.2	+	2.4	3.8	3.1	5.3	3.1
13	0.3	1.2	1.8	2.3	0.6	2.0	0.1	3.8	3.8	3.8	4.6	3.8
14	0.2	0.8	8.2	1.4	3.9	1.0	0.1	42	4.6	5.3	3.8	3.8
15	0.3	1.2	2.4	0.6	83	0.1	0.1	7.9	4.6	5.3	4.6	3.8
16	0.3	1.2	2.4	0.6	42	1.0	0.1	16.3	2.2	3.8	3.8	3.8
17	0.3	0.8	6.0	1.0	1.6	2.0	0.1	4.6	1.8	6.0	3.8	3.1
18	0.4	1.4	6.0	1.4	1.6	3.8	0.1	3.1	3.6	6.0	5.3	4.6
19	b 0.4	1.0	1.6	1.0	168	2.2	0.1	3.1	3.1	4.6	5.3	3.1
20	0.4	411	1.6	243	62	1.8	0.2	3.8	2.4	4.6	3.6	3.8
21	0.4	b 2.4	3.1	9.7	10.7	a 2.4	0.2	3.8	2.4	6.7	2.4	3.1
22	0.5	b 1.0	1.4	52	2.4	13.5	0.2	3.1	2.4	6.7	2.4	5.3
23	b 0.5	1.4	1.6	1.2	2.4	1.8	0.2	3.8	3.1	5.3	2.4	4.6
24	0.8	2.9	1.6	0.4	11.2	2.0	0.3	5.3	2.4	3.8	2.4	2.4
25	1.8	26	1.6	1.6	3.1	2.4	1.6	3.6	2.4	3.8	2.2	3.8
26	2.2	7.2	1.8	2.2	1.2	3.1	1.0	4.6	3.8	3.8	5.3	5.3
27	2.2	3.1	1.6	1.6	5.3	0.6	1.2	5.3	4.6	4.6	6.0	6.0
28	1.8	2.0	1.2	1.2	3.1	0.1	2.0	3.6	4.6	3.8	5.3	6.0
29	1.2	1.8	1.4	0.8		0.1	3.1	5.3	3.8	5.3	6.0	5.3
30	1.2	3.6	1.2	0.6		0.1	2.2	5.3	3.8	3.8	6.0	6.7
31	2.0		0.3	0.4		0.1		6.0		5.3	3.8	
	20.1	491.1	411.6	351.0	1476.2	199.7	14.1	170.2	104.0	140.3	125.7	126.4
MEAN	0.66	16.37	13.28	11.3	52.7	6.44	0.47	5.50	3.47	4.53	4.05	4.22
ACRE-FEET	40.	974.	816.	696.	2930.	396.	28.	338.	206.	278.	249.	251.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 9.95
ACRE-FEET 7200.

7607GM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

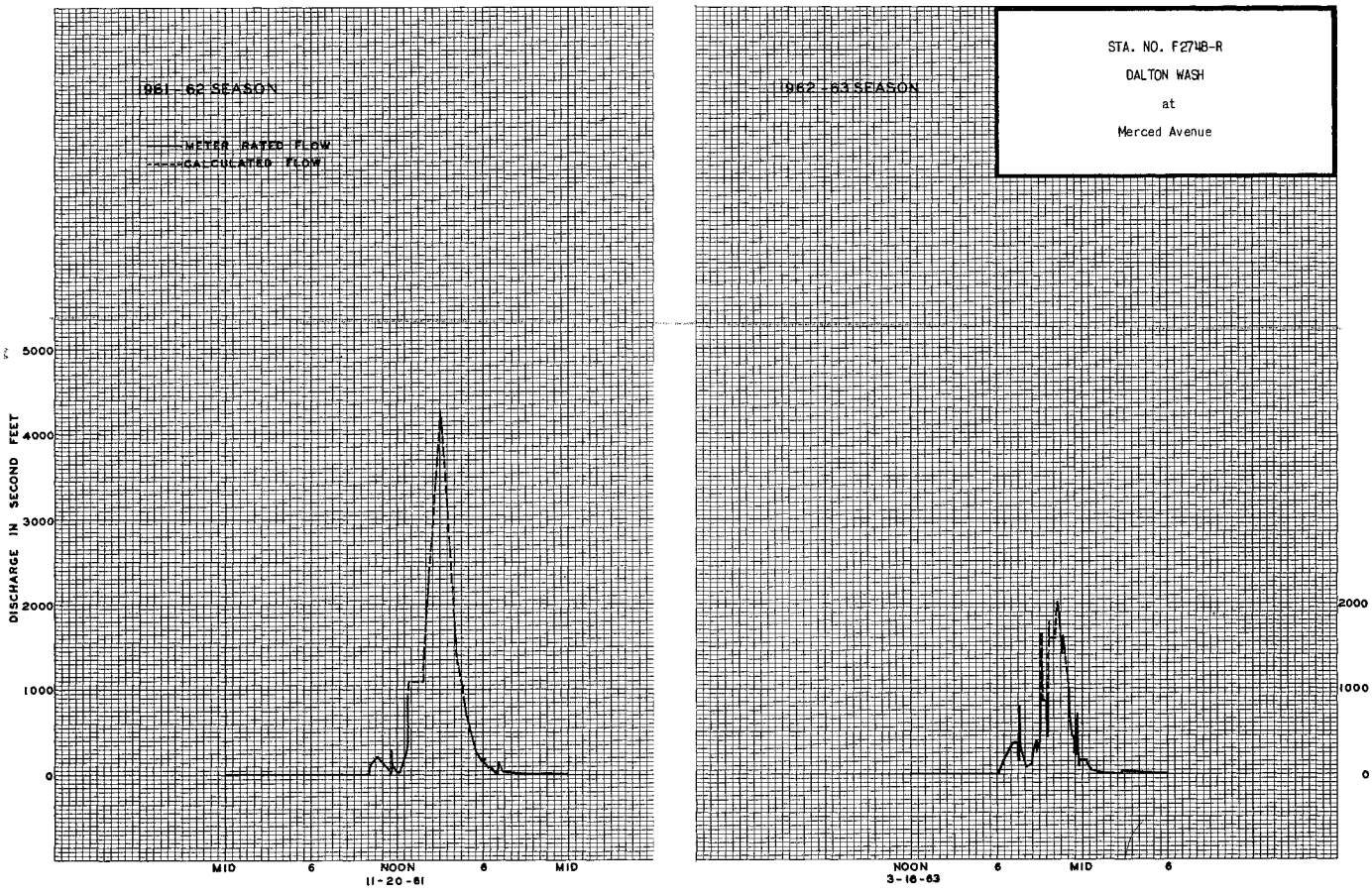
Sta. No. F274B-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	3.8	2.4	1.6	1.8	1.6	1.6	0.8	4.6	1.8	1.6	2.4
2	3.8	5.3	3.1	2.0	1.6	1.6	1.4	0.8	5.3	2.0	1.4	2.0
3	4.6	3.8	3.1	2.2	1.0	1.8	1.2	1.8	5.3	2.0	1.6	2.4
4	9.9	6.0	2.4	1.8	1.6	1.6	1.2	1.8	2.0	1.8	1.6	59
5	4.6	6.0	2.2	1.8	1.0	2.0	1.2	1.8	2.0	3.1	2.0	3.1
6	4.6	5.3	2.4	1.8	0.8	2.0	1.8	2.2	2.2	2.4	2.2	3.8
7	5.3	3.1	1.8	1.6	1.4	2.0	2.0	1.8	2.4	2.2	6.7	2.4
8	4.6	3.1	0.2	1.6	1.8	3.1	2.4	1.2	4.6	2.0	2.4	2.4
9	2.4	3.1	0.2	3.3	403	1.3	2.2	0.8	4.6	2.4	2.2	2.2
10	2.2	3.8	0.2	153	89	4.6	1.8	1.4	6.7	2.0	3.1	2.2
11	2.0	2.4	0.2	1.4	1.2	3.8	2.0	2.0	7.4	2.0	3.8	2.0
12	1.8	2.4	0.2	1.6	1.2	2.0	2.0	1.6	5.3	2.2	2.4	1.4
13	1.8	2.4	0.3	2.0	1.4	1.8	1.4	1.2	6.0	3.1	2.4	3.1
14	2.4	3.1	0.3	2.0	8.7	1.6	20	1.6	4.6	2.2	4.6	2.4
15	2.4	3.1	0.2	3.1	0.2	5.7	7.7	2.0	4.6	1.8	4.6	2.4
16	2.4	2.0	1.2	2.0	0.2	165	1.8	2.0	4.6	2.2	3.1	2.4
17	2.0	2.2	1.4	2.4	0.2	27	19.6	2.0	3.8	1.8	3.1	90
18	5.3	2.4	1.8	2.2	0.2	2.0	2.2	2.0	3.1	2.2	3.1	121
19	3.1	3.1	1.8	2.4	1.0	2.0	0.8	2.0	3.8	1.8	3.1	10.3
20	3.1	5.3	1.8	2.2	0.3	2.0	20	1.8	3.8	2.0	3.1	2.4
21	2.2	4.6	1.6	2.0	0.2	3.8	13.1	2.2	3.1	2.0	2.4	2.2
22	2.2	4.6	1.8	1.8	0.2	2.2	1.3	2.0	3.1	1.8	2.4	2.2
23	1.8	4.6	2.0	1.8	0.6	3.8	1.2	2.4	2.4	2.4	2.4	2.2
24	2.2	4.6	3.1	2.4	1.0	2.4	1.4	2.0	2.4	3.1	2.4	1.8
25	2.4	4.6	2.0	2.4	0.2	2.2	1.8	2.4	3.1	2.2	3.1	3.1
26	3.1	5.3	2.2	3.1	1.2	2.4	107	2.0	3.8	2.0	2.4	3.8
27	3.8	4.6	2.0	2.0	2.2	3.8	1.0	2.2	2.0	2.4	2.4	3.8
28	3.1	4.6	1.6	2.2	1.4	30	0.4	2.4	2.0	2.2	2.4	2.4
29	2.2	3.8	2.0	2.0		2.4	0.8	2.0	2.2	1.2	2.2	2.4
30	2.2	3.1	1.6	2.0		2.0	1.4	4.6	2.4	1.8	1.8	3.1
31	2.0		1.6	23		1.6		2.4		1.6	2.2	
	99.3	116.1	48.7	99.0	524.6	291.1	223.7	59.2	113.2	65.7	84.2	346.3
MEAN	3.20	3.87	1.57	3.19	18.7	9.39	7.46	1.91	3.77	2.12	2.72	11.5
ACRE-FEET	197.	230.	97.	196.	1040.	577.	444.	117.	225.	130.	167.	687.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.67
ACRE-FEET 4110.



STATION U14-R
BIG ROCK CREEK above Mouth of Canyon

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

DRAINAGE AREA: 23.0 SQUARE MILES.

RECORDS AVAILABLE: JANUARY 1923 TO SEPTEMBER 1937, MAY 1938 TO SEPTEMBER 1963.

AVERAGE DISCHARGE: 40 YEARS (1923-37, 1938-63) 15.1 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1090 SECOND-FEET FEBRUARY 11, (GAGE HEIGHT 5.68 FEET).
MINIMUM 0.9 SECOND-FEET OCTOBER 13-17.
1962-63
MAXIMUM 80 SECOND-FEET FEBRUARY 9, (GAGE HEIGHT 2.56 FEET).
MINIMUM 1.8 SECOND-FEET SEPTEMBER 27-30.
1923-63
MAXIMUM 8300 SECOND-FEET MARCH 2, 1938, BY SLOPE-AREA METHOD.
MINIMUM 0.7 SECOND-FOOT NOVEMBER 5, 1951.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

76D74M (Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.3	1.3	2.6	3.2	22	27	36	24	16	12	9.2
2	1.0	1.3	52	2.6	3.2	21	27	36	24	16	12	9.2
3	1.0	1.3	19	2.6	3.4	21	30	37	23	16	11	8.8
4	1.0	1.2	8.4	2.6	3.4	20	31	37	22	16	11	8.8
5	1.0	1.2	5.1	2.6	3.4	20	34	37	22	16	11	8.8
6	1.0	1.2	3.8	2.6	3.4	27	36	37	21	16	11	8.8
7	1.0	1.2	3.2	2.6	3.6	24	38	36	21	16	11	8.8
8	1.0	1.2	2.8	2.6	27	23	40	36	21	16	11	8.8
9	1.0	1.2	2.8	2.8	142	22	43	36	21	16	11	8.8
10	1.0	1.2	2.6	2.8	235	21	44	36	21	16	11	8.4
11	1.0	1.2	2.6	3.0	678	19	44	35	21	16	10	8.4
12	1.0	1.2	2.6	3.0	405	18	41	34	21	15	10	8.4
13	0.9	1.3	2.5	3.0	168	18	40	33	21	15	10	8.1
14	0.9	1.4	2.5	3.0	97	18	40	32	21	14	10	8.1
15	0.9	1.6	2.5	3.0	99	18	39	31	21	14	11	8.1
16	0.9	1.6	2.3	3.0	92	18	39	32	21	14	12	7.8
17	0.9	1.7	2.3	3.0	73	18	39	30	20	14	11	7.8
18	1.0	1.6	2.2	3.4	63	18	38	29	20	14	11	7.8
19	1.1	1.6	2.2	3.4	60	18	42	28	20	14	11	7.4
20	1.1	1.4	2.2	4.6	54	18	42	27	19	14	11	7.4
21	1.2	1.3	2.0	3.6	49	18	39	27	19	14	10	7.6
22	1.2	1.3	2.0	3.2	44	18	37	27	19	14	10	7.6
23	1.2	1.3	2.0	3.2	40	18	37	27	19	14	10	7.8
24	1.2	1.3	2.0	3.2	36	18	40	27	19	13	10	7.6
25	1.2	2.2	2.0	3.2	31	17	40	28	18	13	10	7.8
26	1.3	1.6	2.0	3.2	27	19	39	28	18	13	10	7.8
27	1.3	1.3	2.0	3.2	24	22	39	27	18	13	10	7.8
28	1.3	1.3	2.2	3.2	23	24	39	27	18	12	10	7.8
29	1.3	1.3	2.3	3.2		25	39	27	18	12	10	7.8
30	1.3	1.3	2.3	3.2		26	36	26	17	12	9.6	7.8
31	1.3		2.5	3.2		27		25		12	9.6	
	33.5	41.1	148.2	94.4	2490.6	634.0	1139.0	971.0	608.0	446.0	328.2	245.7
MEAN	1.08	1.37	4.78	3.05	89.0	20.5	38.0	31.3	20.3	14.4	10.6	8.19
ACRE-FEET	66.	82.	294.	187.	4940.	1260.	2260.	1930.	1210.	885.	651.	487.

Remarks:

YEAR MEAN 19.7
OR PERIOD ACRE-FEET 14,250.

7SD7cM Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U11-R

Daily discharge, in second-feet of BIG ROCK CREEK above Mouth of Canyon, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.4	4.9	4.9	4.7	4.4	5.9	5.9	7.0	4.9	3.2	2.2	2.1
2	7.4	4.9	4.9	4.7	4.4	5.9	5.9	7.0	4.9	3.0	2.2	2.1
3	7.4	4.9	4.9	4.7	4.4	5.9	5.9	7.0	4.9	3.0	2.2	2.2
4	7.0	4.9	5.2	4.7	4.4	5.9	5.7	7.0	4.9	2.8	2.2	2.5
5	7.0	4.9	5.2	4.7	4.4	5.9	5.7	6.7	4.9	3.0	2.2	2.4
6	7.0	4.9	4.7	4.4	4.4	5.9	5.4	6.7	4.9	2.8	2.4	2.1
7	7.0	4.9	4.7	4.4	4.4	5.9	5.4	6.4	4.9	2.8	2.4	2.1
8	6.7	4.9	4.7	4.4	4.4	5.9	5.4	6.4	4.9	2.7	2.5	2.1
9	6.4	4.9	4.7	4.4	14.0	5.9	5.4	6.4	4.7	2.7	2.4	1.9
10	6.4	4.9	4.4	4.4	26.0	5.9	5.4	6.4	4.4	2.7	2.2	1.9
11	6.2	4.9	4.4	4.4	7.7	5.7	5.4	6.4	4.7	2.7	2.2	1.8
12	6.2	4.9	4.4	4.4	6.7	5.7	5.4	6.4	4.9	2.7	2.2	1.8
13	6.2	4.9	4.4	4.4	6.2	5.7	5.4	6.2	4.7	2.7	2.1	1.9
14	5.9	4.9	4.7	4.4	6.2	5.4	6.2	5.9	4.4	2.7	2.1	1.9
15	5.9	4.9	4.7	4.4	5.9	5.4	6.2	5.9	4.2	2.7	2.1	1.9
16	5.9	4.9	4.7	4.4	5.9	5.7	6.2	5.9	4.2	2.7	2.1	1.9
17	5.9	4.9	4.7	4.4	5.9	5.9	6.4	5.9	4.2	2.7	2.1	2.4
18	5.9	4.9	4.9	4.4	5.9	5.9	6.4	5.7	4.0	2.7	2.1	2.7
19	5.7	4.9	4.9	4.4	5.9	5.9	6.7	5.7	4.0	2.7	2.1	4.7
20	5.7	4.9	4.9	4.4	5.9	5.7	6.7	5.4	4.0	2.5	2.1	2.8
21	5.4	4.9	4.9	4.4	5.9	5.4	6.7	5.4	4.0	2.5	1.9	2.2
22	5.2	4.9	4.9	4.4	5.9	5.4	6.7	5.4	4.0	2.5	1.9	2.2
23	4.9	4.9	4.9	4.4	5.9	5.4	6.4	5.4	4.0	2.5	1.9	2.1
24	4.9	4.9	4.9	4.4	5.9	5.4	6.4	5.4	4.0	2.5	1.9	1.9
25	4.9	4.9	4.9	4.4	5.9	5.4	6.4	5.4	3.8	2.5	1.9	1.9
26	4.9	4.9	4.9	4.4	5.9	5.2	7.0	5.4	3.8	2.5	1.9	1.9
27	4.9	4.9	4.9	4.4	5.9	5.2	6.7	5.4	3.8	2.4	1.9	1.8
28	4.9	4.9	4.9	4.4	5.9	11.0	6.7	5.2	3.6	2.2	1.9	1.8
29	4.9	4.9	4.9	4.4		6.2	6.7	5.2	3.6	2.2	2.1	1.8
30	4.9	4.9	4.9	4.4		5.9	7.0	5.2	3.2	2.2	2.1	1.8
31	4.9		4.9	4.4		5.9		5.2		2.2	2.1	
	183.9	147.0	148.9	137.9	184.6	182.4	183.8	185.0	129.4	81.7	65.6	64.6
MEAN	5.93	4.90	4.80	4.45	6.59	5.88	6.13	5.97	4.31	2.64	2.12	2.15
ACRE-FEET	365.	292	295.	274.	366.	362.	365.	367.	257.	162.	130.	128.

Remarks:

YEAR OR PERIOD MEAN 4.64
ACRE-FEET 3360.

STATION F111C-R
BIG TUJUNGA CREEK below Mill Creek

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

DRAINAGE AREA: 64.9 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F111-R - NOVEMBER 30, 1930 TO AUGUST 17, 1932.
AT STATION F111B-R - SEPTEMBER 15, 1932 TO MAY 18, 1950.
AT STATION F111C-R - JANUARY 16, 1948 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2860 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 292 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW PART OF YEAR.
1930-63 (STATIONS F111-R, F111B-R AND F111C-R).
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 14800 SECOND-FEET JANUARY 23, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS, FAIR DURING STORM PERIODS.

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

FD174M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F111C-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0.6	1.1	4.7	32	16	6.6	4.5	1.2	e 0.2	0
2	0		3.4	1.1	4.3	30	16	6.3	4.2	1.1	0.2	0
3	0		8.4	1.1	4.2	29	16	6.3	4.2	1.0	0.2	0
4	0		4.5	1.1	3.8	28	15	6.3	4.3	1.0	0.2	0
5	0		2.7	1.1	3.7	28	14	6.3	4.5	1.0	0.2	0
6	0		2.0	1.1	3.6	46	14	6.3	4.5	0.9	0.1	0
7	0		1.5	1.1	4.2	40	13	6.1	4.5	0.8	0.1	0
8	0	+	1.4	1.0	72	36	12	5.9	4.2	0.7	0.1	+
9	0	0.1	1.3	1.0	151	34	12	5.9	3.8	0.7	0.1	
10	0	0.1	1.1	1.0	308	30	12	5.9	3.8	0.6	0.1	
11	+	0.1	1.1	1.0	1720	28	11	5.9	3.6	0.4	0.1	
12		0.1	0.9	1.0	638	28	11	5.9	3.6	0.4	e 0.1	
13		0.1	0.9	1.1	182	26	11	6.1	3.6	0.6	+	
14		0.1	1.0	1.1	103	26	11	7.0	3.6	0.6		
15		0.2	1.0	0.9	120	24	11	7.3	3.8	0.6		
16		0.2	1.0	0.9	99	24	11	7.3	3.6	0.4		
17		0.2	1.0	0.9	69	23	11	7.0	3.0	0.4		
18		0.2	1.0	0.9	55	25	11	5.9	2.7	0.3		
19		0.2	1.0	0.9	71	26	11	5.9	2.5	0.3		
20		1.5	1.0	8.7	64	25	10	5.7	2.1	0.3		
21		1.0	1.0	5.2	59	23	9.7	5.3	1.9	0.3		
22		0.4	1.0	4.3	56	24	9.1	5.1	1.9	0.2		
23		0.4	1.0	4.2	56	24	8.8	5.1	1.8	0.2		
24		0.4	1.0	4.0	55	21	8.6	5.1	1.7	0.2		+
25		1.9	1.0	3.7	50	20	8.6	5.1	1.7	0.2		0.1
26		1.3	1.0	4.2	44	20	8.3	5.1	1.5	e 0.2		0.1
27		0.8	1.0	4.3	37	20	7.8	5.3	1.5	0.2		0.1
28		0.6	1.0	5.3	33	20	7.6	5.3	1.4	0.2		0.1
29		0.6	1.0	5.9		20	7.3	5.1	1.4	0.2		0.1
30		0.6	1.0	5.3		18	7.0	4.9	1.2	0.2		0.1
31	+		1.0	5.1		17		4.9		e 0.2	+	
	+	11.1	78.4	79.6	4070.5	815.0	331.8	182.2	90.6	15.6	1.7	0.6
MEAN	+	0.37	2.53	2.57	145.4	26.3	11.1	5.88	3.02	0.50	0.05	0.02
ACRE-FEET	+	22.	156.	158.	8070.	1620.	658.	361.	180.	31.	3.4	1.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 15.6
ACRE-FEET 11,260.

FD174M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

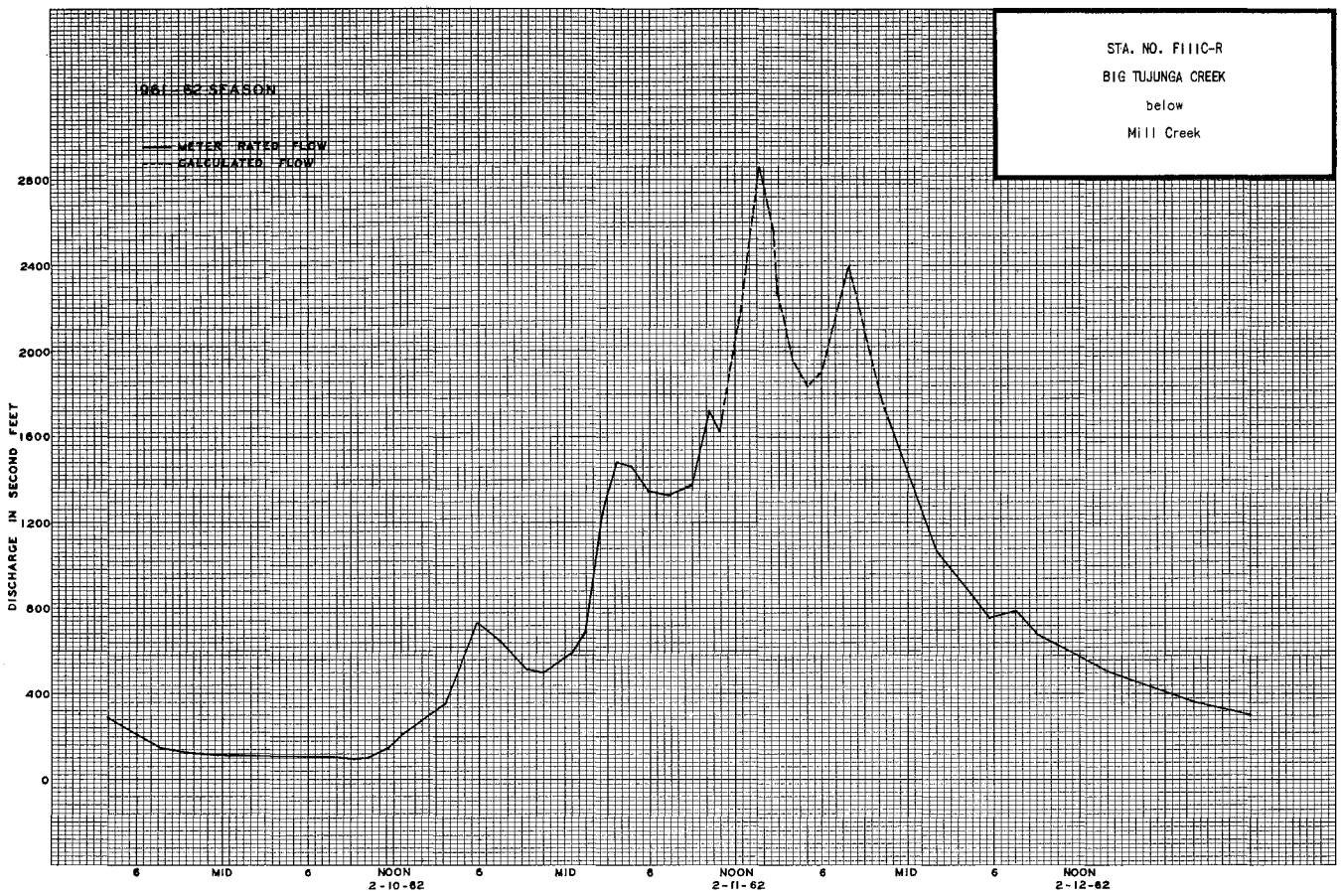
Sta. No. F111C-R

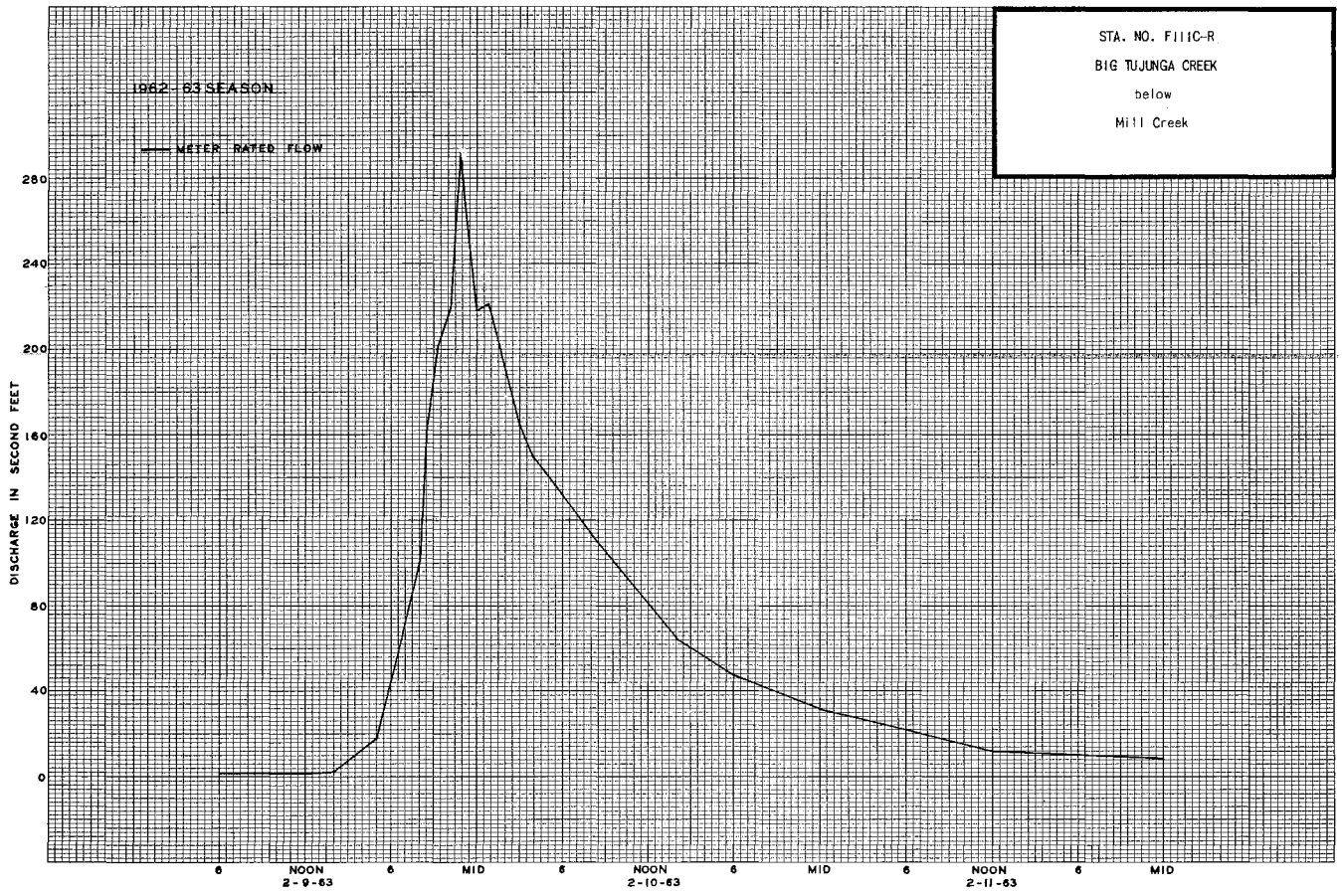
Daily discharge, in second-feet of BIG TUJUNGA CREEK below Mill Creek, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.7	1.0	1.7	2.0	3.4	3.2	1.5	0.2	0	0
2	0.1	0.4	0.7	1.0	1.4	2.0	3.2	3.2	1.5	0.2	0	0
3	0.1	0.4	0.7	1.0	1.3	2.0	3.0	3.1	1.5	0.1	0	0
4	0.2	0.4	0.7	1.0	1.2	2.0	3.0	2.8	1.4	0.1	0	+
5	0.2	0.4	0.7	1.0	1.2	2.0	2.8	2.6	1.4	0.1	0	
6	0.2	0.4	0.7	1.0	1.2	2.0	2.8	2.5	1.5	0.1	0	
7	0.2	0.4	0.7	1.0	1.2	2.0	2.8	2.5	1.6	0.1	0	+
8	0.2	0.4	0.7	1.0	1.2	2.0	2.8	2.5	1.5	0.1	+	0
9	0.3	0.4	0.7	1.0	45	2.0	2.8	2.4	1.4	0.1	+	0
10	0.3	0.6	0.7	1.0	95	2.0	2.7	2.4	1.4	0.1	0	0
11	0.3	0.6	0.7	1.0	16	2.0	2.7	2.4	1.6	0.1	0	0
12	0.3	0.6	0.7	1.0	7.3	2.0	2.7	2.2	2.1	+	0	0
13	0.3	0.6	0.7	1.0	5.5	2.0	2.6	2.2	1.8		0	0
14	0.4	0.6	0.8	1.0	5.9	2.0	3.2	2.2	1.6		0	0
15	0.4	0.6	0.8	1.0	3.1	2.1	3.6	2.1	1.2		0	0
16	0.4	0.4	0.8	1.0	2.4	2.6	3.1	2.0	0.8		0	0
17	0.3	0.4	0.8	1.0	2.0	4.3	3.1	1.9	0.7		0	0.1
18	0.4	0.6	0.8	1.0	1.9	3.7	3.0	1.9	0.6	+	0	0.2
19	0.6	0.6	0.8	1.0	1.9	3.8	3.0	1.9	0.4	0	0	0.3
20	0.4	0.6	0.8	1.0	1.9	3.6	3.5	1.8	0.4	0	0	0.2
21	0.4	0.6	0.9	1.0	1.8	3.4	5.3	1.8	0.4	0	0	0.2
22	0.3	0.6	0.9	1.0	1.8	3.4	3.4	1.8	0.4	0	0	0.1
23	0.3	0.7	0.9	1.0	1.8	3.7	3.1	1.8	0.6	0	0	0.1
24	0.4	0.7	0.9	1.0	1.9	3.6	3.0	1.7	0.6	0	0	0.1
25	0.4	0.7	0.9	1.0	1.9	3.2	3.0	1.6	0.4	0	0	+
26	0.4	0.7	0.9	1.0	2.0	3.1	5.1	1.6	0.4	0	0	
27	0.4	0.7	0.9	1.0	2.0	3.1	4.3	1.6	0.3	0	0	
28	0.4	0.7	0.9	1.0	2.0	9.1	4.5	1.7	0.3	0	0	
29	0.4	0.7	0.9	1.0		6.6	3.8	1.7	0.2	0	0	
30	0.4	0.7	1.0	1.0		4.5	3.6	1.6	0.2	0	0	+
31	0.4		1.0	1.6		3.6		1.6		0	0	
	9.9	16.6	24.8	31.6	213.5	95.4	98.9	66.3	29.7	1.3	+	1.3
MEAN	0.32	0.55	0.80	1.02	7.62	3.08	3.30	2.14	0.99	0.04	+	0.04
ACRE-FEET	20.	33.	49.	63.	423.	189.	196.	132.	59.	2.6	+	2.6

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.61
ACRE-FEET 1170.


STA. NO. F111C-R
BIG TUJUNGA CREEK
below
Mill Creek
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
2800
2400
2000
1600
1200
800
400
0
6
MID
6
NOON
2-10-62
6
MID
6
NOON
2-11-62
6
MID
6
NOON
2-12-62


STA. NO. F111C-R
BIG TUJUNGA CREEK
below
Mill Creek
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
280
240
200
160
120
80
40
0
6
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6
NOON
2-11-63
6
MID

STATION F168-R
BIG TUJUNGA CREEK below Big Tujunga Dam

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

DRAINAGE AREA: 82.7 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY BIG TUJUNGA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: STREAM MEASUREMENTS FROM DECEMBER 8, 1931 TO NOVEMBER 7, 1932 AND JANUARY 20, 1938 TO MAY 29, 1938; RECORDER RECORDS FROM NOVEMBER 8, 1932 TO JANUARY 13, 1938 AND FROM MAY 31, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3700 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW JANUARY 1 TO 19.
1962-63
MAXIMUM 13.1 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW VARIOUS TIMES.
1932-63
MAXIMUM 33,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES IN 1936 AND 1961.

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

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

74D714M C(6 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F168-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	1.6	0.1	0	0.1	61	0.2	10.2	0.4	3.3	3.3	2.5
2	1.8	1.6	0.7	0	0.1	58	99	10.2	0.4	3.3	3.3	2.5
3	1.8	1.6	0.4	0	0.1	53	234	6.6	0.4	3.5	3.3	2.7
4	1.8	1.6	0.2	0	0.1	49	238	0.7	0.4	3.5	3.1	2.7
5	1.8	1.6	0.2	0	0.1	48	256	0.6	0.4	3.5	3.1	2.7
6	1.8	1.5	0.1	0	0.1	48	253	0.5	0.4	3.5	3.1	2.7
7	1.8	1.5	0.1	0	0.1	48	36	0.5	0.4	3.3	3.1	2.7
8	1.8	1.5	0.1	0	1.4	49	19.5	0.4	0.4	3.3	3.1	2.7
9	1.8	1.5	0.1	0	2.0	49	19.0	0.4	0.4	3.3	3.1	2.7
10	1.8	1.0	0.1	0	5.3	49	18.5	0.4	0.4	3.1	3.1	2.7
11	1.8	0.6	0.1	0	1210	49	18.0	0.4	0.4	3.1	3.1	2.7
12	1.8	0.6	0.1	0	1680	37	17.1	0.4	0.4	3.1	3.1	2.7
13	1.8	0.6	+	0	921	3.0	16.6	0.4	0.4	3.1	3.1	2.7
14	1.8	0.6		0	362	1.1	15.6	0.5	0.4	3.1	3.1	2.7
15	1.8	0.6		0	286	0.7	15.3	0.6	0.4	3.1	2.9	2.7
16	1.8	0.6		0	228	e 0.4	14.8	0.6	0.4	2.9	2.9	2.7
17	1.6	0.6		0	190	0.4	14.4	0.5	0.4	2.9	3.1	2.7
18	1.8	0.6		0	176	0.3	13.5	0.4	0.4	2.9	3.1	2.5
19	1.8	0.6		0	155	0.4	13.1	0.4	0.4	2.9	3.1	2.5
20	1.7	0.8		0.6	118	0.3	13.5	0.4	1.9	2.9	3.3	2.5
21	1.7	0.6		0.1	91	0.2	13.5	0.4	3.1	2.9	3.1	2.5
22	1.7	0.6		0.4	91	0.2	13.1	0.4	3.1	2.9	3.1	2.5
23	1.6	0.6		0.4	91	0.2	12.8	0.4	3.1	3.1	3.1	2.5
24	1.6	0.6		0.3	91	0.2	12.0	0.4	3.1	3.1	3.1	2.3
25	1.6	0.7		0.2	91	0.2	12.4	0.5	3.1	3.3	3.1	2.3
26	1.6	0.7		0.2	87	0.2	12.0	0.5	3.1	3.3	2.9	2.3
27	1.6	0.7		0.2	70	0.2	11.6	0.5	3.1	3.3	2.9	2.3
28	1.6	0.7		0.1	61	0.2	12.0	0.5	3.1	3.3	2.7	2.3
29	1.6	0.7		0.1		0.2	11.6	0.4	3.1	3.3	2.7	2.3
30	1.6	0.5		0.1		0.2	10.9	0.4	3.3	3.3	2.5	2.3
31	1.6		+	0.1		0.2		0.4		3.3	2.5	
	53.7	27.6	2.3	2.8	6008.4	606.8	1447.2	39.9	40.7	98.7	94.1	76.6
MEAN	1.73	0.92	0.08	0.09	214.	19.6	48.2	1.29	1.36	3.18	3.03	2.53
ACRE-FEET	106.	55.	4.6	5.6	11920.	1200.	2870.	79.	81.	196.	187.	152.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 23.3
ACRE-FEET 16,860.

FORM 4M Feb 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of BIG TUJUNGA CREEK below Big Tujunga Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	0.2	0.2	0.2	+	0.1	0.1	0.1	2.3	3.5	5.0	5.3
2	2.3	0.2	0.2	+	|	0.1	0.1	0.1	2.3	3.5	5.0	5.3
3	2.3	0.2	0.2	|	|	0.1	0.1	0.1	2.5	3.5	5.0	5.3
4	2.3	0.2	0.3	|	|	0.1	0.1	0.1	2.5	3.5	5.0	6.6
5	2.3	0.2	0.3	|	|	0.1	0.1	0.1	2.5	3.5	5.0	7.5
6	2.3	0.2	0.3	|	|	0.1	0.1	0.1	2.5	3.5	5.0	7.2
7	2.3	0.2	0.3	|	|	0.1	0.1	0.1	2.5	3.5	5.0	6.8
8	2.3	0.2	0.3	|	+	0.1	0.1	0.1	2.5	3.5	4.7	6.8
9	2.3	0.2	0.3	|	2.5	0.1	0.1	0.1	2.5	3.5	4.7	6.5
10	2.3	0.2	0.3	|	2.2	0.1	0.1	0.1	3.3	3.5	4.7	6.2
11	0.9	0.2	0.3	|	1.0	0.1	0.1	0.1	3.8	3.5	4.7	6.2
12	0.2	0.2	0.3	|	0.7	0.1	0.1	0.1	3.8	3.5	4.7	6.2
13	0.2	2.7	0.3	|	0.4	0.1	0.1	0.1	3.8	3.5	4.7	6.2
14	0.2	1.7	0.3	|	0.3	0.1	0.3	0.1	3.8	3.5	4.7	6.2
15	0.2	0.2	0.2	|	0.3	0.3	0.1	0.1	3.8	3.5	4.7	6.2
16	0.2	0.2	0.2	|	0.3	0.4	0.1	0.1	3.8	3.5	4.7	6.2
17	0.2	0.2	0.2	|	0.3	0.2	0.1	0.1	3.8	3.5	4.7	6.2
18	0.2	0.2	0.2	|	0.2	0.1	0.1	0.1	3.8	3.5	4.7	6.5
19	0.2	0.2	0.2	|	0.2	0.1	0.1	0.1	3.8	3.5	4.7	6.5
20	0.2	0.2	0.2	|	0.2	0.1	0.4	1.5	3.8	3.5	4.7	6.5
21	0.2	0.2	0.2	|	0.1	0.1	0.2	2.5	3.8	3.5	4.7	6.5
22	0.2	0.2	0.2	|	0.1	0.1	0.1	2.5	3.8	3.5	4.7	6.5
23	0.2	0.2	0.2	|	0.1	0.3	0.1	2.5	3.8	4.3	4.7	6.5
24	0.2	0.2	0.2	|	0.1	0.1	0.1	2.3	3.8	4.7	4.7	6.5
25	0.2	0.2	0.2	|	0.1	0.1	0.1	2.3	3.8	5.0	4.7	6.5
26	0.2	0.2	0.2	|	0.1	0.1	0.7	2.3	3.8	5.0	4.7	6.8
27	0.2	0.2	0.2	|	0.1	0.1	0.1	2.3	3.8	5.0	4.7	6.5
28	0.2	0.2	0.2	|	0.1	0.4	0.1	2.3	3.8	5.0	5.3	6.5
29	0.2	0.2	0.2	|		0.1	0.1	2.3	3.8	5.0	5.3	6.5
30	0.2	0.2	0.2	+		0.1	0.1	2.3	3.5	5.0	5.3	6.2
31	0.2		0.2	0.1		0.1		2.3		5.0	5.3	
	27.9	10.0	7.3	0.3	9.4	4.2	4.2	29.3	101.1	121.0	150.2	191.4
MEAN	0.90	0.33	0.24	+	0.34	0.14	0.14	0.95	3.37	3.90	4.84	6.38
ACRE-FEET	55.	20.	.14	0.6	19.	8.3	8.3	58.	201.	240.	298.	380.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1,80
ACRE-FEET 1300.

STATION F213-R
BIG TUJUNGA CREEK above Gold Canyon

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

DRAINAGE AREA: 106 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

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

RECORDS AVAILABLE: OCTOBER 1, 1932 TO SEPTEMBER 30, 1963. (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:
1961-62
MAXIMUM 4770 SECOND-FEET FEBRUARY 11.
MINIMUM 0.6 SECOND-FOOT ON SEVERAL DAYS.
1962-63
MAXIMUM 412 SECOND-FEET FEBRUARY 9.
MINIMUM 0.6 SECOND-FEET SEVERAL DAYS IN OCTOBER.
1916-1963
MAXIMUM 50,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW OCTOBER 6, 1960.

ACCURACY: GOOD. (POOR DURING PERIOD OF FEBRUARY 20 TO APRIL 8, 1962.)

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

7ED74M Gib 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.3	2.1	1.3	3.4	e 85	e 9.0	14	2.7	2.7	2.7	1.9
2	0.8	1.4	26	1.3	3.2	80	e108	14	2.8	2.7	2.7	1.9
3	0.8	1.4	8.5	1.3	3.0	74	e245	14	2.4	3.2	2.9	1.9
4	0.8	1.3	6.2	1.3	3.0	69	247	5.4	2.4	3.5	2.9	2.8
5	1.0	0.8	4.4	1.3	3.0	67	e263	3.9	2.4	3.5	2.7	1.9
6	1.1	0.6	3.8	1.1	3.0	66	e262	3.2	2.4	3.5	2.7	1.9
7	1.1	0.7	2.8	1.0	3.0	66	e 45	2.9	2.7	3.2	2.7	2.2
8	1.1	1.0	2.6	1.0	29	66	28	2.9	2.8	3.2	2.7	2.4
9	1.1	1.1	2.6	1.0	60	65	28	2.9	1.9	3.2	2.7	2.7
10	1.1	1.1	2.6	1.0	87	65	28	3.2	1.9	2.9	2.7	2.7
11	1.0	1.1	2.4	1.0	1520	64	26	3.2	1.9	3.2	2.7	2.4
12	0.8	1.1	2.2	1.0	1850	52	25	2.9	1.9	3.2	2.4	2.7
13	0.8	0.8	2.1	1.1	1110	17	22	2.9	1.9	3.5	2.2	2.8
14	0.6	0.7	1.9	f 1.1	461	14	21	3.5	2.2	3.5	2.4	2.8
15	0.6	0.7	1.9	f 1.1	349	13	21	5.4	2.2	3.2	2.2	1.9
16	0.6	0.8	1.9	1.1	304	13	20	4.3	2.2	3.2	2.4	1.3
17	0.6	0.8	1.9	1.1	235	13	e 20	4.3	1.4	3.2	2.2	1.9
18	0.7	0.7	1.9	1.1	194	14	e 20	3.9	0.9	3.2	1.7	3.2
19	0.8	0.7	1.9	1.1	186	14	f 19	3.5	0.9	3.2	1.7	2.4
20	1.0	2.9	1.9	24	e148	13	17	3.5	1.2	3.2	1.9	1.9
21	1.1	3.6	1.8	10	122	12	16	3.2	1.4	2.7	2.2	1.9
22	1.3	2.2	1.4	8.9	121	11	16	3.2	3.2	3.2	2.2	1.6
23	1.3	1.6	1.3	10	121	11	16	3.2	3.2	3.2	2.4	1.9
24	1.3	1.3	1.3	8.2	120	11	16	3.5	3.2	3.2	2.4	1.9
25	1.3	2.6	1.1	6.8	119	11	16	3.5	3.5	2.9	1.7	1.9
26	1.3	3.0	1.1	6.2	114	11	16	3.5	3.5	2.9	1.9	1.9
27	1.4	2.4	1.1	5.0	96	11	15	3.5	3.2	2.7	2.2	2.4
28	1.3	1.9	1.1	4.4	e 86	11	16	3.2	3.2	2.7	1.9	2.2
29	1.0	1.9	1.1	4.2		10	15	2.9	3.5	2.7	1.7	2.2
30	1.0	2.2	1.3	3.8		10	14	2.9	3.2	2.7	2.4	1.9
31	1.1		1.3	3.6		e 9.3		2.9		2.7	2.4	
	30.6	43.9	95.5	116.4	7453.6	1048.3	1630.0	139.7	71.0	95.8	72.6	64.3
MEAN	0.99	1.46	3.07	3.75	266.	33.8	54.3	4.51	2.37	3.09	2.34	2.14
ACRE-FEET	61.	87.	189.	231.	14780.	2080.	3230.	277.	141.	190.	144.	128.

Remarks:

YEAR OR PERIOD MEAN 29.8
ACRE-FEET 21,538.

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

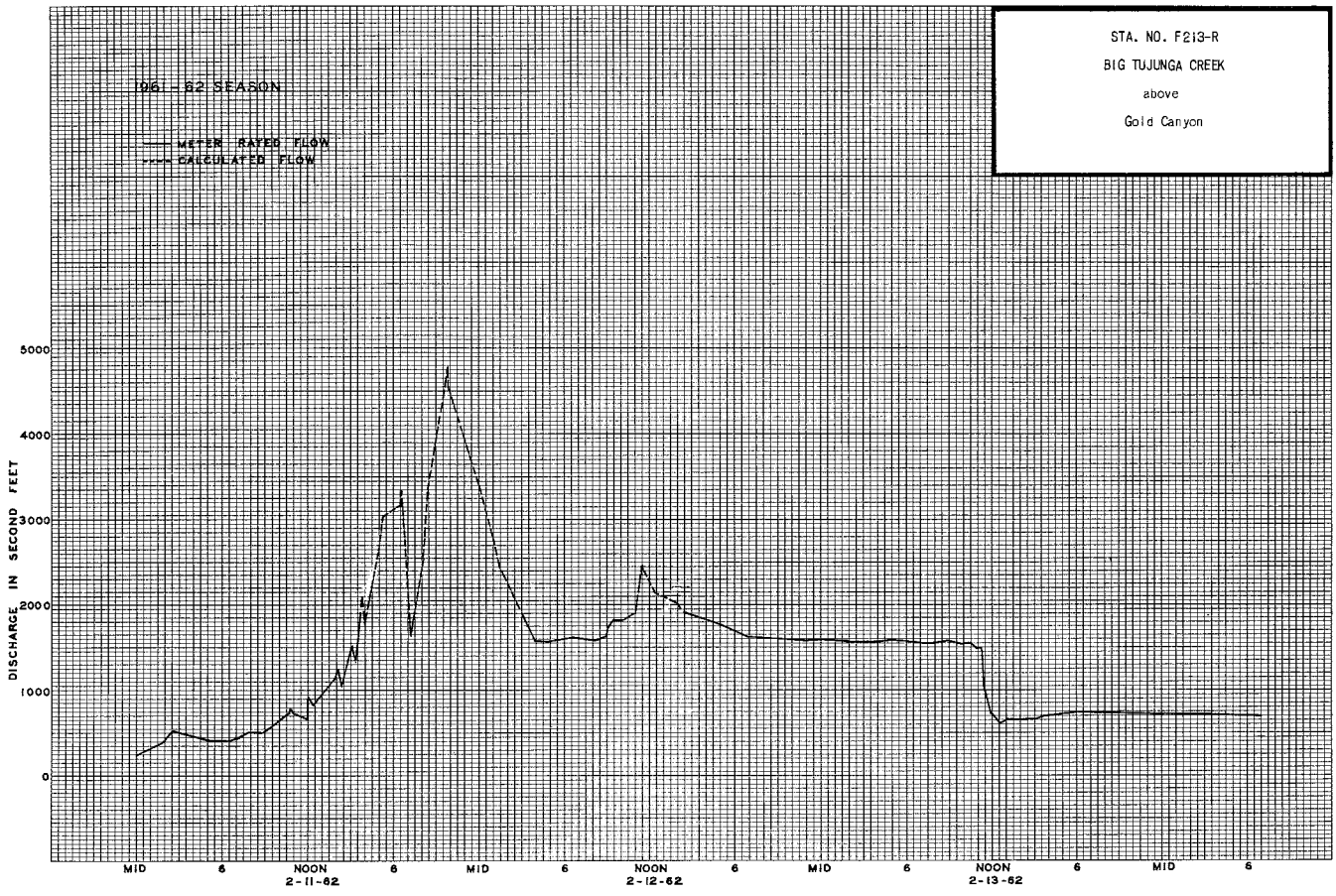
Sta. No. F213-R

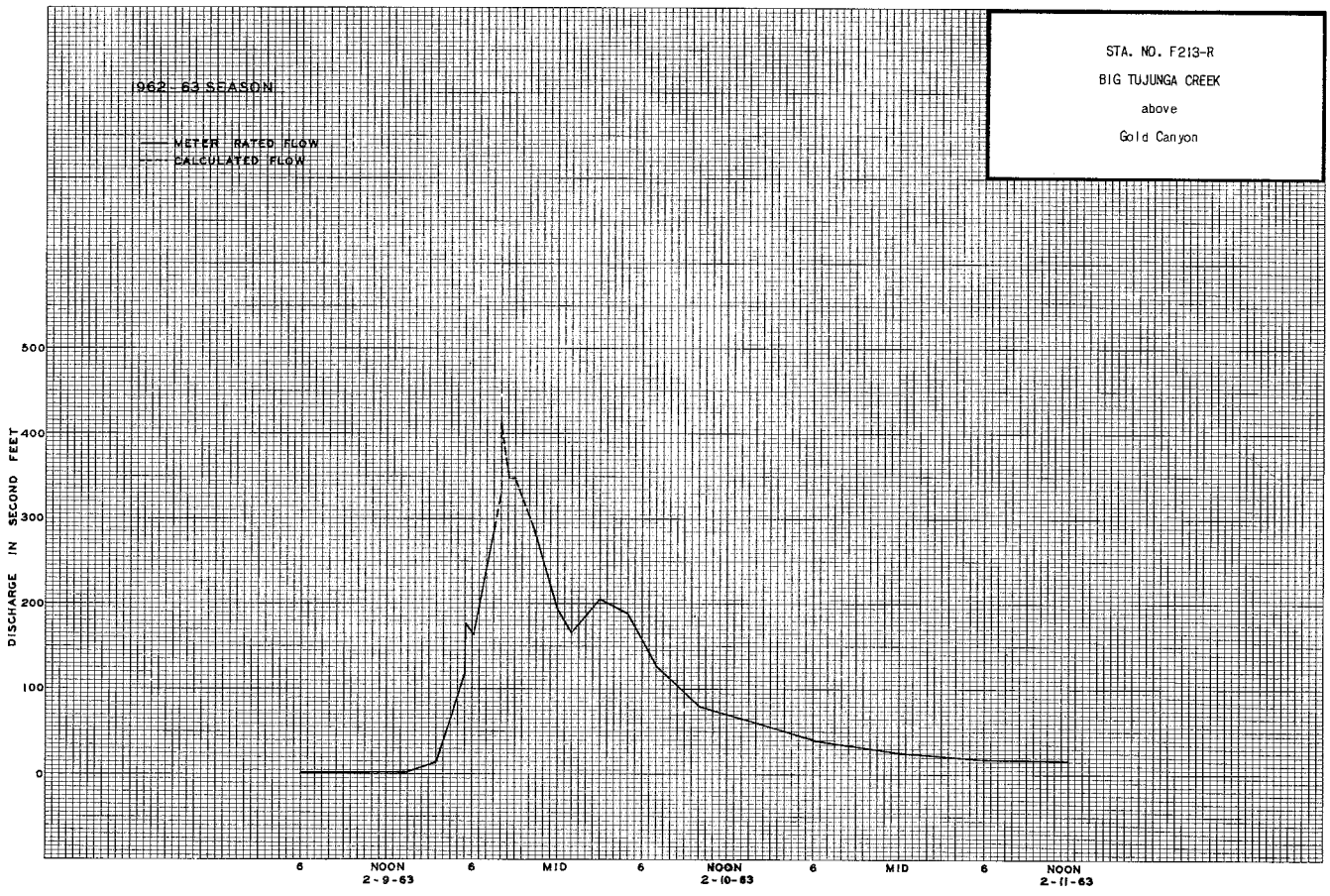
Daily discharge, in second-feet of BIG TUJUNGA CREEK above Gold Canyon, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	0.6	0.7	0.9	1.2	2.0	2.0	2.9	3.6	3.6	4.7	4.7
2	1.9	0.6	0.7	0.9	1.2	2.0	2.0	3.2	4.1	3.5	4.7	4.7
3	2.2	0.7	0.7	0.9	1.2	2.0	2.0	3.2	3.6	3.5	4.7	4.4
4	2.4	0.7	0.7	1.2	1.2	2.0	2.0	3.2	3.6	3.5	4.7	5.0
5	2.4	0.7	0.7	1.2	1.2	2.0	1.6	2.6	4.1	3.5	4.7	6.0
6	2.4	0.7	0.7	1.2	1.2	2.0	1.6	2.3	4.1	3.5	4.7	6.0
7	2.4	0.7	0.7	1.2	1.2	2.0	2.0	2.3	4.1	3.5	4.7	5.5
8	2.2	0.7	0.7	1.2	1.2	2.0	2.3	2.3	3.6	3.5	4.7	5.0
9	2.2	0.7	0.7	1.2	80	2.0	2.3	2.3	3.6	3.5	4.7	5.0
10	2.2	0.9	0.7	1.2	94	2.0	2.3	2.3	4.4	3.2	4.4	5.0
11	2.2	0.9	0.7	1.2	15	2.0	2.3	2.0	5.5	2.6	4.4	5.0
12	1.7	0.9	0.7	1.2	8.0	2.0	2.0	1.8	5.5	2.6	3.5	5.5
13	0.7	0.9	0.7	1.2	6.5	2.0	2.0	1.8	5.0	2.6	4.7	5.0
14	0.9	0.9	0.7	1.2	7.0	2.0	2.6	1.8	4.7	3.2	4.7	5.0
15	0.9	0.9	0.7	1.2	3.2	2.0	2.9	1.8	4.4	3.2	4.7	5.5
16	0.9	0.9	0.7	1.2	2.9	5.8	2.6	1.8	4.1	3.2	4.7	6.5
17	0.9	0.7	0.9	1.2	2.9	9.6	2.3	1.8	4.4	3.2	4.7	7.5
18	1.4	0.7	0.9	1.2	2.9	5.0	2.3	1.8	4.4	3.2	5.0	10
19	1.4	0.9	0.9	1.2	2.9	4.1	2.3	1.8	4.4	2.6	4.7	9.0
20	1.4	0.9	0.9	1.2	2.9	3.5	2.9	1.8	4.4	2.6	4.7	7.5
21	0.9	0.9	0.9	1.2	2.9	3.5	5.7	1.8	4.4	2.6	4.7	6.5
22	0.9	0.9	0.9	0.9	2.6	3.5	2.9	2.0	4.4	2.6	4.7	6.0
23	0.9	0.9	0.9	0.9	2.3	4.1	2.6	2.3	4.7	2.6	4.7	5.5
24	0.9	0.7	0.9	0.9	2.3	3.8	2.6	3.5	4.4	3.8	4.4	5.5
25	0.9	0.7	0.9	0.9	2.6	3.5	2.6	3.5	4.1	4.1	4.4	5.5
26	0.7	0.7	0.9	0.9	2.3	2.9	9.2	4.4	4.1	4.1	4.4	5.5
27	0.6	0.7	0.9	0.9	2.3	2.6	4.7	4.7	4.1	4.1	4.4	5.5
28	0.6	0.7	0.9	0.9	2.3	3.5	3.5	4.7	4.1	4.1	4.4	5.5
29	0.6	0.7	0.9	0.9		2.9	2.9	4.7	3.8	4.1	4.4	5.5
30	0.6	0.7	0.9	0.9		2.3	2.9	4.7	3.8	4.4	4.7	6.0
31	0.6		0.9	1.2		2.0		5.0		4.4	4.7	
	42.8	23.2	24.7	33.6	257.4	92.6	84.3	86.1	128.5	104.9	142.4	174.8
MEAN	1.38	0.77	0.80	1.08	9.19	2.99	2.81	2.78	4.28	3.38	4.59	5.83
ACRE-FEET	85.	46.	49.	67.	511.	184.	167.	171.	255.	208.	282.	347.

Remarks:

YEAR OR PERIOD MEAN 3.27
ACRE-FEET 2370.


STA. NO. F213-R
BIG TUJUNGA CREEK
above
Gold Canyon
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
5000
4000
3000
2000
1000
0
MID
6
NOON
2-11-62
6
MID
6
NOON
2-12-62
6
MID
6
NOON
2-13-62
6
MID
6


STA. NO. F213-R
BIG TUJUNGA CREEK
above
Gold Canyon
1962-63 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
500
400
300
200
100
0
6
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6
NOON
2-11-63

STATION E20 C-R
TUJUNGA WASH above Glenoaks Boulevard

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

DRAINAGE AREA: 148 SQUARE MILES.

RECORDS AVAILABLE: AUGUST 1940 TO SEPTEMBER 1963. APRIL 1932 TO SEPTEMBER 1940 (FRAGMENTARY).

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3130 SECOND-FEET FEBRUARY 12. (GAGE HEIGHT 3.86 FEET).
MINIMUM NO FLOW DURING MOST OF YEAR.
1962-63
NO FLOW DURING ENTIRE YEAR.
1940-63
MAXIMUM 3130 SECOND-FEET FEBRUARY 12, 1962. 54,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM DAILY DISCHARGE, NO FLOW DURING PARTS OF EACH YEAR.

REMARKS: RECORDS GOOD. FLOW REGULATED BY BIG TUJUNGA FLOOD-CONTROL RESERVOIR. (CAPACITY 4240 ACRE-FEET) AND BY HANSEN FLOOD-CONTROL RESERVOIR (CAPACITY 32,000 ACRE-FEET), SEVERAL SMALL DIVERSIONS ABOVE STATION FOR DOMESTIC USE AND IRRIGATION. WATER DIVERTED FROM OUTLET CHANNEL UPSTREAM FROM GAGE TO SPREADING GROUNDS, SOME OF WHICH, IN PAST YEARS, WAS RETURNED TO CHANNEL DOWNSTREAM FROM GAGE.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of TUJUNGA CREEK above Glenoaks Boulevard for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.3	0	0	0	0	0
2	0	0	0.2	0	0	0	0.5	0	0	0	0	0
3	0	0	0	0	0	0	0.5	0	0	0	0	0
4	0	0	0	0	0	0	0.5	0.5	0	0	0	0
5	0	0	0	0	0	0	3.2	0.1	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	1.6	0	0	0	0
8	0	0	0	0	0.1	0	0	1.1	0	0	0	0
9	0	0	0	0	0.1	0	0	0.1	0	0	0	0
10	0	0	0	0	0.5	0	0	0	0	0	0	0
11	0	0	0	0	68	0	0	0	0	0	0	0
12	0	0	0	0	1600	0	0	0	0	0	0	0
13	0	0	0	0	674	0	0	0	0	0	0	0
14	0	0	0	0	17	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	3.6	0	0	0	0	0	0	0
20	0	0	0	0.2	8.3	0	0	0	0	0	0	0
21	0	0	0	0.1	5.4	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0.2	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	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	0.2	0.3	2377.2	0	5.2	3.4	0	0	0	0
MEAN	0	0	0.006	0.01	84.9	0	0.17	0.11	0	0	0	0
ACRE-FEET	0	0	0.4	0.6	4720.	0	10.	6.7	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 6.54
ACRE-FEET 4740.

STATION F105B-R
TUJUNGA WASH below Moorpark Street

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

DRAINAGE AREA: 223.4 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY BIG TUJUNGA DAM. PACOIMA DAM, LOPEZ DEBRIS DAM, HANSEN DAM, AND PROJECT 85 DIVERSION FROM PACOIMA WASH AT SOUTHERN PACIFIC RAILWAY.

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

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938, OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1963. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 6910 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 2160 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW PART OF YEAR.
1930-63
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 6910 SECOND-FEET FEBRUARY 16, 1962.
MINIMUM NO FLOW AT VARIOUS TIMES.

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

ACCURACY: GOOD, EXCEPT FOR LOW FLOWS.

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

FD174M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F105B-R

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	11.7	+	+	+	0.1	0.2	0.1	0.1	0.3	0.3
2	0.1	0.1	3.1.3	|	|	0.3	0.2	0.2	0.1	0.1	0.3	0.3
3	0.1	0.1	11.0	|	|	0.3	0.3	0.3	0.1	0.1	0.3	0.3
4	0.1	0.1	b 0.2	|	+	0.3	0.3	0.3	0.1	0.1	0.2	0.3
5	0.1	0.1	b 0.1	|	0.1	0.3	3.1	0.2	0.1	0.1	0.2	0.3
6	0.1	0.1	+	|	3.3	4.2	0.1	0.2	0.1	0.2	0.2	0.3
7	0.1	0.1	|	|	52	0.9	0.1	0.2	0.3	0.2	0.2	0.3
8	0.1	0.1	|	+	297	0.9	0.1	0.1	0.2	0.1	0.2	0.3
9	0.1	0.1	|	0.1	133	12.8	0.1	0.1	0.2	0.1	0.2	0.3
10	0.1	0.1	|	0.3	1010	1.0	0.1	0.1	0.2	0.2	0.2	0.3
11	0.1	0.1	|	+	1100	0.7	0.1	0.1	0.2	0.2	0.2	0.3
12	0.1	0.1	|	2.6	1820	0.5	0.1	0.1	0.2	0.3	0.2	0.3
13	0.1	0.1	+	6.2	676	0.5	0.1	0.1	0.2	0.2	0.2	0.3
14	0.1	0.1	18.3	+	37	0.4	0.1	6.0	0.2	0.2	0.2	0.3
15	0.2	0.1	b 0.2	|	194	0.4	0.1	0.2	0.2	0.2	0.2	0.3
16	0.2	0.1	0.1	|	66	0.3	0.1	27	0.2	0.2	0.2	0.3
17	0.2	0.1	0.1	|	29	0.3	0.1	0.2	0.2	0.2	0.2	0.2
18	0.2	0.1	0.1	|	8.9	60	0.1	0.2	0.2	0.2	0.2	0.2
19	0.2	0.1	b 0.1	+	444	2.0	0.1	0.2	0.3	0.2	0.2	0.2
20	0.2	136	+	232	22	8.9	0.2	0.1	0.3	0.2	0.2	0.2
21	0.2	b 0.2	|	47	11.9	0.3	0.2	0.1	0.3	0.2	0.2	0.2
22	b 0.2	0.1	|	160	4.8	2.1	0.2	0.2	0.3	0.2	0.1	0.2
23	| 0.1	0.1	|	4.8	0.1	0.4	0.2	0.1	0.3	0.2	0.1	0.2
24	| 0.1	0.1	|	0.1	14.4	0.1	0.2	0.1	0.2	0.2	0.2	0.2
25	| 0.1	120	|	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.3	0.2
26	b 0.1	4.8	|	0.1	+	0.1	0.2	0.1	0.3	0.2	0.3	0.2
27	0.1	0.2	|	0.1	+	0.1	0.2	0.1	0.2	0.2	0.3	0.2
28	0.1	0.2	|	0.1	+	0.1	0.2	0.1	0.2	0.2	0.3	0.2
29	0.1	0.2	|	+	|	0.1	0.2	0.1	0.2	0.2	0.3	0.2
30	0.1	26	|	+	|	0.1	0.2	0.1	0.2	0.2	0.3	0.2
31	0.1	|	+	+	|	0.1	|	0.1	|	0.3	0.3	|
	3.9	289.8	354.9	453.5	5923.6	136.4	7.6	37.3	6.1	5.7	7.0	7.6
MEAN	0.13	9.66	11.4	14.6	191.	4.40	0.25	1.20	0.20	0.18	0.23	0.25
ACRE-FEET	7.7	575.	704.	900.	11750.	271.	15.	74.	12.	11.	14.	15.

Remarks: + = 0.05 CFS AND LESS

YEAR OR PERIOD MEAN 19.8
ACRE-FEET 14,350

7-D1-6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

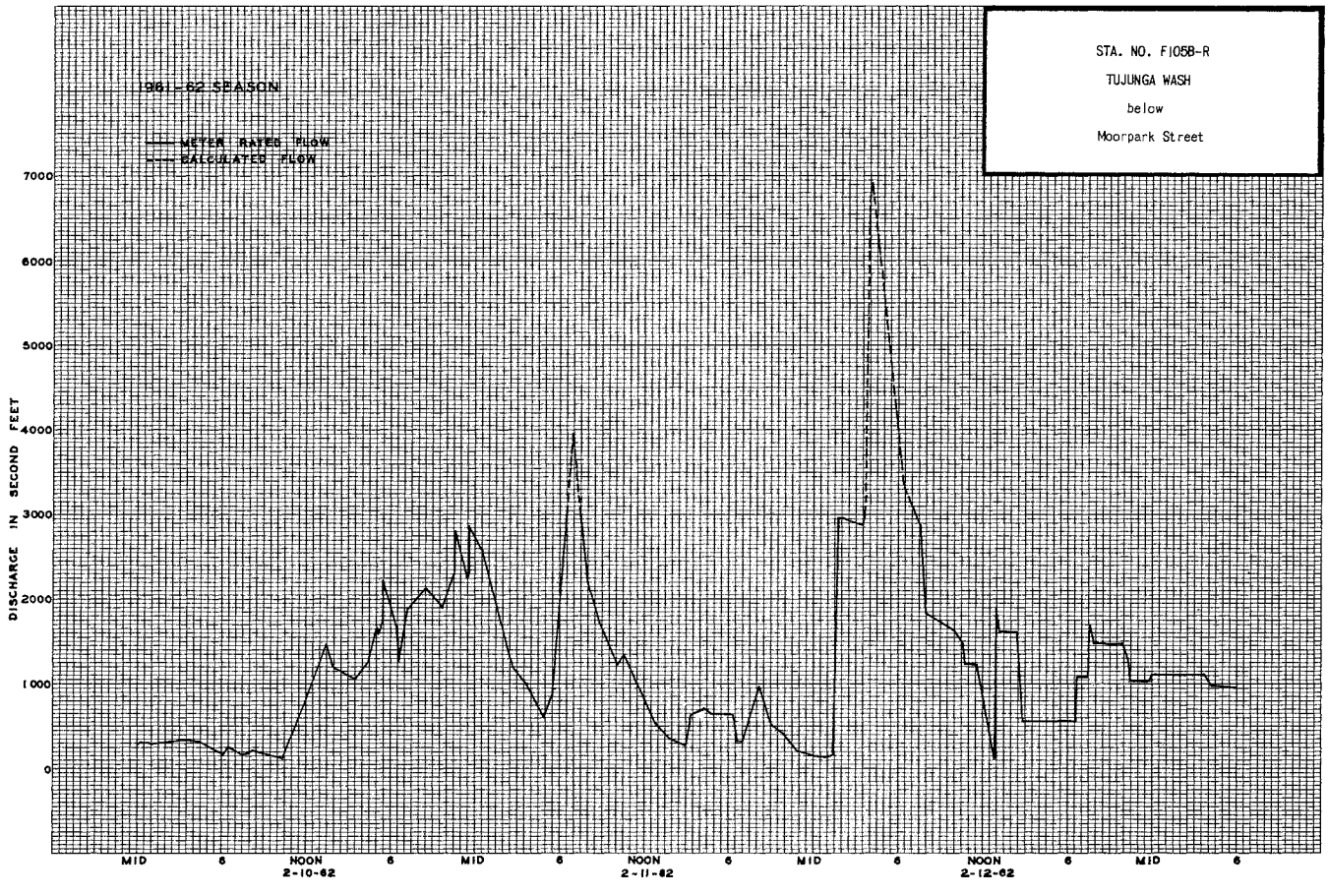
Sta. No. F105B-R

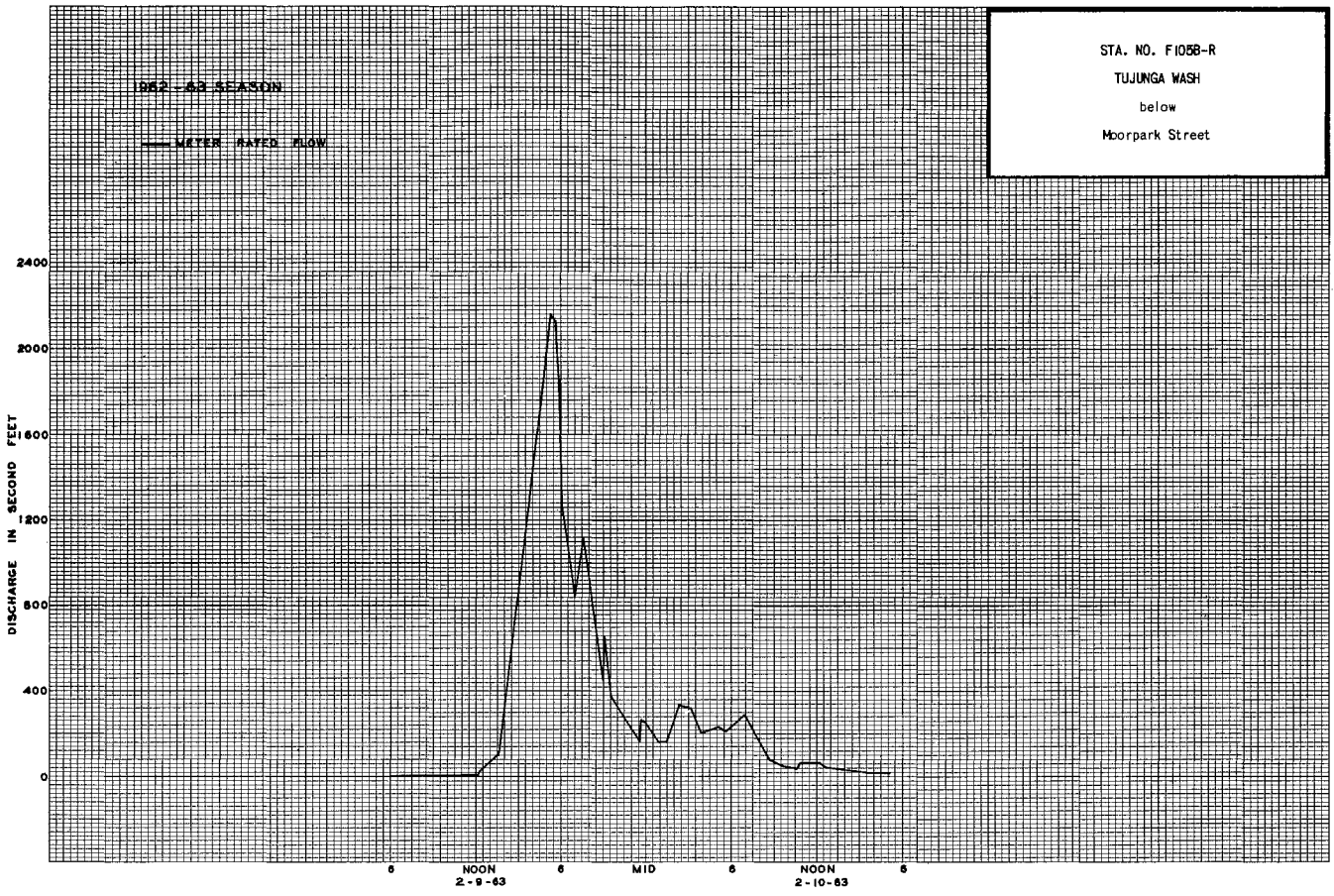
Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.3	e 0.4	e 0.2	+	27	e 0.3	e 0.5	e 0.2	e 0.3	e 0.6	e 0.4	e 0.3
2	0.3	0.4	0.3	+	b 0.3	0.3	0.2	0.2	0.3	e 0.8	0.4	e 0.3
3	0.3	0.4	0.3	e 0.1	b 0.2	0.3	0.2	0.5	0.3	1.8	0.4	e 0.3
4	0.3	0.4	0.3	0.2	b 0.2	0.2	0.2	0.3	0.3	e 0.3	0.4	21
5	0.3	0.4	0.3	0.2	e 0.2	0.2	0.2	0.3	0.3	0.3	0.3	b 0.5
6	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.2	0.3	0.5
7	0.3	0.4	0.3	e 0.1	0.2	e 0.2	e 0.2	0.4	0.3	e 0.3	0.5	0.3
8	0.3	0.4	0.3	e 0.1	e 0.2	0.2	15.5	0.4	0.3	1.8	0.3	0.5
9	0.3	0.4	0.3	2.2	391	8.0	b 0.2	0.4	0.3	0.7	0.3	0.3
10	0.3	0.4	0.2	e 0.6	112	b 0.2	b 0.2	0.3	e 0.5	0.9	0.3	0.3
11	0.3	0.4	0.2	0.5	b 4.8	0.2	b 0.5	0.3	2.0	0.8	0.1	0.3
12	0.3	0.4	0.2	0.5	b 0.5	0.2	e 0.3	0.1	9.5	e 0.5	0.1	0.7
13	e 0.3	0.4	0.2	0.3	b 0.5	0.2	e 0.3	0.1	e 0.7	e 0.3	0.2	0.5
14	9.1	0.4	0.2	0.2	50	b 0.2	59	0.2	0.7	e 0.3	0.3	0.5
15	b 0.3	0.4	0.2	0.2	e 0.5	1.0	4.8	0.3	0.6	1.8	0.3	0.5
16	b 0.3	0.3	0.2	0.2	0.3	197	e 0.3	0.4	0.6	e 0.5	0.4	0.5
17	b 0.3	0.3	0.2	0.2	0.3	45	2.4	0.4	0.5	0.5	0.3	13.0
18	e 0.3	0.2	0.2	0.2	0.3	b 0.5	e 0.2	0.4	0.6	0.5	0.3	6.8
19	0.3	0.2	0.2	0.2	0.3	0.2	e 0.2	0.3	0.8	0.5	0.3	18.4
20	0.3	0.2	0.2	0.2	0.3	0.2	14.2	0.2	0.9	0.5	0.3	b 0.7
21	0.3	0.2	0.1	0.2	0.3	b 0.3	11.2	0.5	0.6	0.3	0.3	0.5
22	0.2	0.3	0.1	0.2	0.3	1.6	e 0.2	0.7	0.6	0.3	0.3	0.5
23	0.2	0.3	0.1	0.2	0.3	33	e 0.2	0.7	0.5	0.5	0.3	b 0.5
24	0.2	0.2	e 0.1	0.2	0.3	b 0.2	e 0.2	0.3	0.4	0.5	0.3	0.5
25	0.2	0.2	+	0.2	0.3	b 0.2	16.5	0.3	0.4	0.5	0.3	0.5
26	0.2	0.2		0.2	0.3	b 0.2	102	0.2	0.4	0.4	0.3	0.7
27	0.3	0.2		0.2	0.3	b 0.2	b 0.3	0.2	0.6	0.3	0.3	0.5
28	0.3	0.2		0.2	e 0.3	108	0.2	0.3	0.9	0.3	0.3	0.3
29	0.3	0.2		0.2		e 0.3	0.2	0.3	0.4	0.3	0.3	0.3
30	0.3	e 0.3		e 0.2		e 0.2	b 0.2	0.3	e 0.2	0.3	0.3	0.3
31	e 0.3		+	87		e 0.2		e 0.3		e 0.3	e 0.3	
	17.6	9.5	5.2	95.4	591.7	399.2	231.0	10.2	43.1	17.9	9.5	70.8
MEAN	0.57	0.32	0.17	3.08	21.1	12.9	7.70	0.33	1.44	0.58	0.31	2.36
ACRE-FEET	35.	19.	10.	189.	1170.	792.	458.	20.	85.	36.	19.	140.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.11
ACRE-FEET 2970.





STATION F329-R
BRADBURY CHANNEL below Central Avenue

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

DRAINAGE AREA: 3.3 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATIONS: TWO DEBRIS BASINS LOCATED UPSTREAM.

RECORDS AVAILABLE: JUNE 14,1957 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 316 SECOND-FEET JANUARY 20.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 74 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1957-63
MAXIMUM 1250 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.1	0.1	0	0.3	+	e 0.3	e 0.7	e +	e 0.1	e 0.1	e 0.6
2	+	0.1	6.4	0	0.1		0.1	0.7	0.2	0.2	+	0.2
3	0	+	0.1	+	+		+	0.3	0.4	0.1	0.1	0.2
4	0		+	+	+		+	+	0.4	0.5	+	0.3
5	0		+	0	0	+	0.3	+	0.3	0.5		0.4
6	0		0	+	0	13.0	1.5	+	0.2	0.5		0.4
7	0		0	+	1.8	1.6	0.5	0.1	+	0.5	+	0.5
8	0	+	0	0.1	6.5	0.1	0.1	+		0.5	0.1	0.4
9	0	0.1	0	0.1	3.5	5.0	0.1	3.2		0.3	0.1	0.4
10	0	+	0	0.1	1.7	+	0.1	0.9		0.1	+	0.2
11	0		0	0	5.0	+	+	0.1		0.1		0.3
12	0		0	0.3	8.7	3.6	+	+	+	0.1		0.4
13	0		0	+	4.1	2.4	+	+	0.2	0.1		0.3
14	0		0.1	0	1.6	+	0.1	3.9	0.1	0.3		0.4
15	0		0	0	9.9		+	0	+	0.4		0.4
16	0		0	0	4.0		0.1	2.3		0.2		0.4
17	0		0	+	0.1	+	0.2	0.6		0.1	+	0.3
18	0		0	+	+	1.0		0.3	+	0.2	0.1	0.1
19	+	+	0	0	2.1	+	+	+	0.2	0.2	0.2	0.3
20		12.5	0	2.2	19.6	1.8		0.5	0.1	0.2	0.1	0.3
21		+	0	0.5	1.7	+		+	0.4	0.2	0.1	0.4
22	+		0	0.5	+	6.7		+	0.3	0.1	0.2	0.4
23	0		0	0.1	+	+		+	0.2	0.1	0.2	0.4
24	+	+	0	0.1	2.3		+	0	0.1	0.1	0.2	0.3
25	0	0.8	0	+	0.5		0.1	+	0.3	0.2	0.2	0.2
26	0	+	0	+	0.1		+		+	0.1	0.5	0.1
27	0		0	0.5	+		+		+	0.2	0.3	+
28	0		0	0.3	+		0.3	+	0.3	0.1	0.3	
29	0		0	0.1			0.4	0.2	0.2	0.3	0.5	
30	+	+	0	0.1			e 0.5	0.2	e 0.1	0.2	0.5	e +
31	+		0	0.3		+		e 0.2		e 0.1	e 0.4	
	+	13.6	6.7	25.1	137.7	35.2	4.7	14.2	4.0	6.9	4.2	8.4
MEAN	+	0.45	0.22	0.81	4.92	1.14	0.16	0.45	0.13	0.22	0.14	0.28
ACRE-FEET	+	27.	13.	50.	273.	70.	9.3	28.	7.9	14.	8.39	17.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.71
ACRE-FEET 518.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

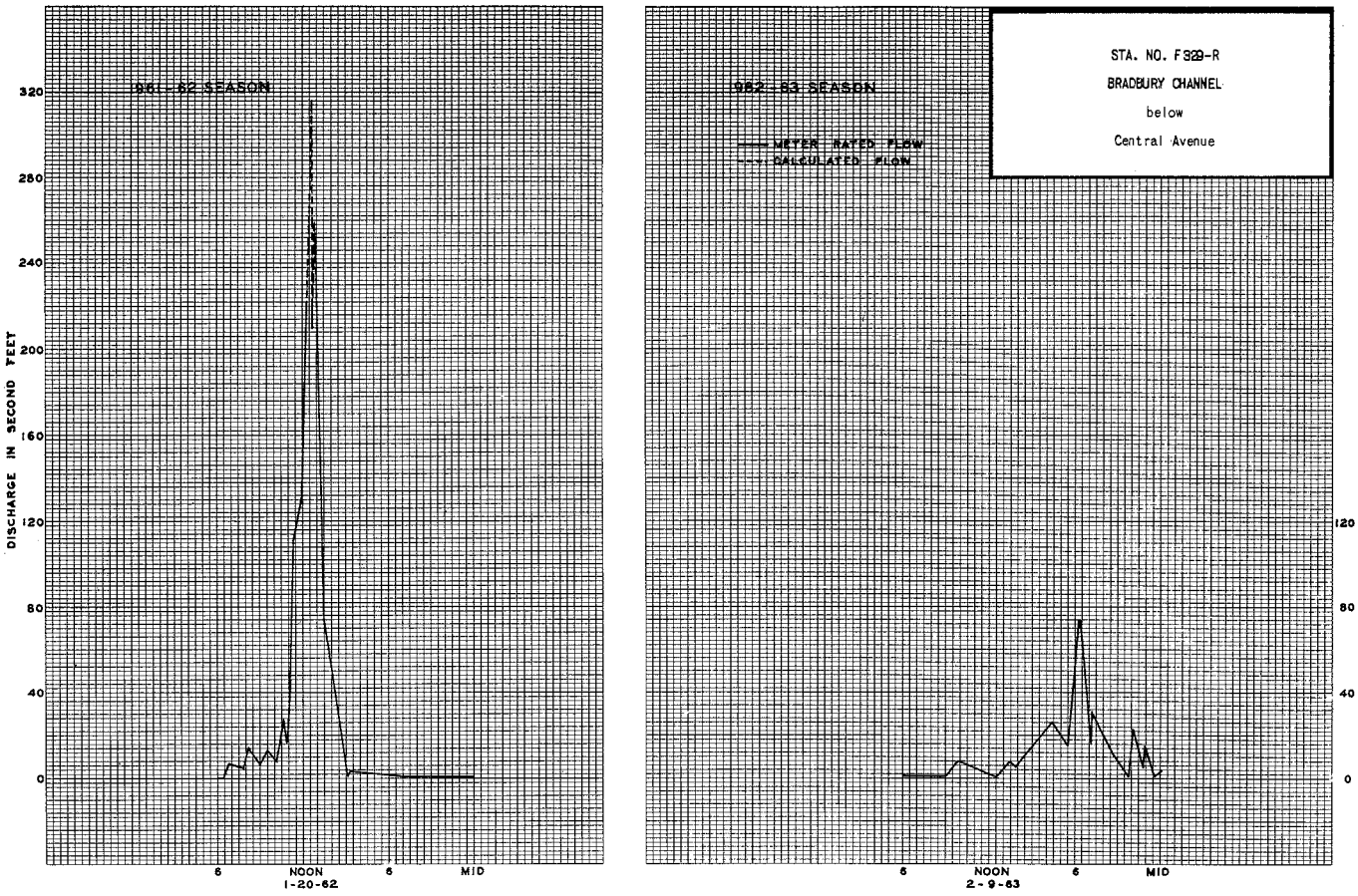
Sta. No. F329-R

Daily discharge, in second-feet of BRADBURY CHANNEL below Central Avenue, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	+	0.3	+	0.3	0.3	+	0.1	0.1
2	+		+	0		0.3	+	0.3	0.1		0.1	+
3	+		+	+		0.3	0	0.3	0.1		0	0
4	0.3	+	+	0.1		0.3	+	0.3	0.1		0	1.7
5	+	0	0.2	+		0.1	0.3	0.1	0.3		+	0.1
6	0	0	0.1	+	+	0.1	0.3	+	+		0.1	0.5
7	0	0	0.1	0	0.5	0.1	0.5				0.1	0.3
8	0	0	0.1	0	0.5	+	0.5				0.1	0.5
9	0.2	0	+	0.3	9.4	+	0.5				+	0.1
10	+	0	+	+	0.5	0.1	0.1					0.1
11	0	0	0.1	0.1	0	0.1	0.1					+
12	0	0	+	1.2	0	0.1	0.3				+	
13	0	+	0	1.7	+	0.1	0.5				0	
14	0	+	+	1.7	0.3	+	0.9				0.3	
15	0	0	0.3	1.2	+	+	0.3				+	
16	0	+	0.1	0.5	+	3.7	0.3				+	+
17	0	0.5	0.1	0.5	0	0.1	1.6				0.1	2.0
18	0.3	+	0.1	0.3	0	0	0.1	+		+	+	2.1
19	0.5	0	+	0.3	0	0	0.3	0		0.1	0.1	0.1
20	0.5	0	+	0.1	0	0	1.0	0		0.3	+	0.1
21	0.3	0	+	0.1	+	0	0.1	0		0.3	0.3	0.1
22	0.1	0	0.5	0.1		+	+	0		0.1	+	0.1
23	+	0	0.1	+		+	+	+		+	0.3	0.1
24	0.5	0	0.1			0	0.3	+		+	0.3	0.1
25	0.3	+	+			0	0.1	0.1		0.1	+	0.3
26	0.3	+	+			0	0.8	+		+	+	0.1
27	+	+	0	+	+	0	0.1	0.5			0.1	+
28	+	0	0	0.1	0.3	0.4	0.3	0.5			0.5	+
29	0	0.3	+	0.1		+	0.1	0.1			0.5	0.5
30	+	+	+	0.5		0	0.1	0.3	+		0.8	0.5
31	+		+	1.2		0		0.3		+	0.3	
	3.3	0.8	1.9	10.1	11.5	6.1	9.5	3.1	0.9	0.9	3.8	9.5
MEAN	0.11	0.03	0.06	0.29	0.41	0.20	0.31	0.10	0.03	0.03	0.12	0.31
ACRE-FEET	6.5	1.6	3.8	18.	23.	12.	19.	6.0	1.8	1.8	7.5	19.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.17
ACRE-FEET 120.



STATION F342-R
BRANFORD STREET CHANNEL below Sharp Avenue

LOCATION: LAT. 34°14'05", LONG. 118°24'42", ON THE LEFT (SOUTH) BANK OF CHANNEL, 125 FEET DOWNSTREAM FROM SHARP AVENUE, ABOUT 3.6 MILES SOUTH OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT 845.7 FEET.

DRAINAGE AREA: 5.01 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL 10 FEET WIDE AT BOTTOM AND 7.5 FEET DEEP WITH 1-1/2 TO 1 SIDE SLOPES. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED BY FLOATS.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM JANUARY 12, 1962 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSION: FLOW FROM LOPEZ CREEK IS DIVERTED TO HANSEN DAM AT THE MOUTH OF LOPEZ CANYON.

RECORDS AVAILABLE: JANUARY 12, 1962 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM: 206 SECOND-FEET FEBRUARY 19.
MINIMUM: NO FLOW MOST OF YEAR.
1962-63
MAXIMUM: 284 SECOND-FEET APRIL 26.
MINIMUM: NO FLOW MOST OF YEAR.
1961-63
MAXIMUM: 284 SECOND-FEET APRIL 26, 1963.
MINIMUM: NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

74DT4M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F342-R

Daily discharge, in second-feet of BRANFORD STREET CHANNEL below Sharp Avenue, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				STATION INSTALLED JANUARY 12	0	0	0	0	0	0	0	0
2					0	0	0	+	0	+	0	0
3					0	0	0	+	0	0	0	0
4					0	0	0	0	0	0	0	0
5					0	0	0	0	0	0	0	0
6					+	3.8	0	+	0	0	0	0
7					4.9	0	0	0	0	0	0	0
8					37	0	0	+	0	0	+	0
9					15.6	2.2	0	+	0	0		0
10					11.8	0.2	0	0	0	0		0
11					59	0	+	0	0	0		0
12				3.6	5.2	0	0	+	0	0	+	0
13				0.6	0.4	0	0	+	+	0	0	0
14				0	0.6	0	+	0.7	+	0	0	0
15				0	17.3	0	0	0	0	0	0	0
16				0	1.2	0	0	1.1	0	0	+	0
17				+	+	0	0	0	+	0	+	0
18				0	+	7.5	0	0	0	0	0	0
19				0.1	35	+	0	0	+	0	0	0
20				30	1.0	1.0	0	0	+	0	+	0
21				4.1	0.8	+	0	+	0	0	+	0
22				17.0	+	1.6	0	0	+	0	+	0
23				1.1	0	+	0	0	0	0	0	0
24				0	3.7	0	0	+	0	0	0	0
25				0	0	0	+		0	0	0	0
26				0	0	0	0		0	0	0	0
27				0	0	0	0		0	0	0	0
28				0	0	0	0		+	0	0	0
29				0		0	0	+	0	0	0	0
30				0		0	0	0	0	0	0	+
31				0		0		0		0	0	
				56.7	299.9	16.3	+	1.8	+	+	+	+
MEAN				1.83	10.7	0.53	+	0.06	+	+	+	+
ACRE-FEET				112.	595.	32.	+	3.6	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN INC.
ACRE-FEET 743. INC.

74DT4M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

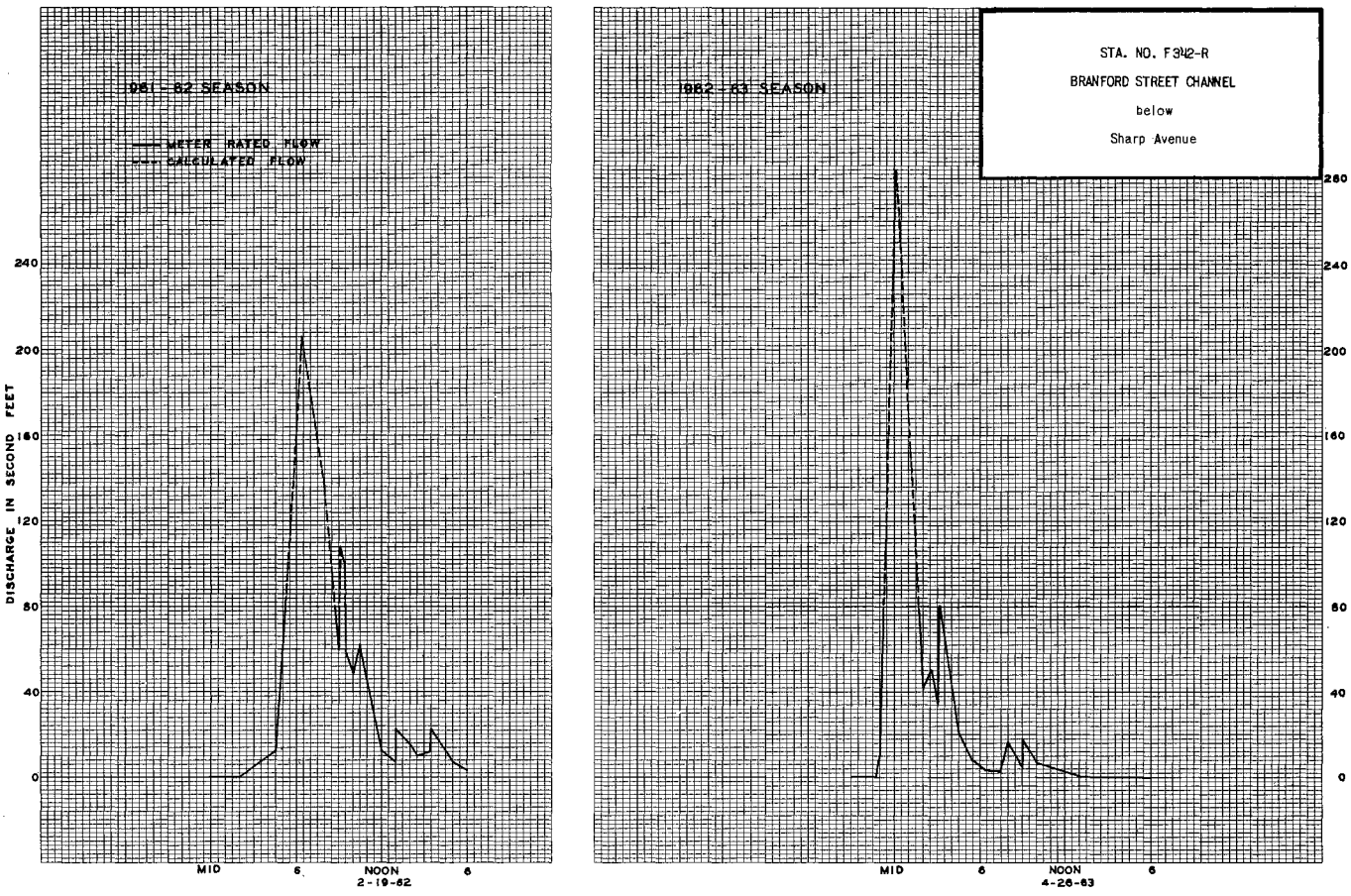
Sta. No. F342-R

Daily discharge, in second-feet of BRANFORD STREET CHANNEL below Sharp Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	+	+	3.4	0	+	+	+	+	+	+
2	+	0			0	0	+					+
3	0	0			0	0	0					+
4	0	0	+		0	0	+					2.7
5	+	0	0		+	0	+		+			+
6	0	0	+		+	+	0	+	0			
7	+	0		+	0	0	+	0	+			
8	0	0		0	0	0	0.6	+	+			
9	0	0		0.4	4.6	0.5	0	0	+			
10	0	0		0	1.7	0	+	0	0.2			
11	+	0		0	+	0		0.1	3.9			
12	0	0		0	0	0		+	1.3			
13	0	0		0	0	0	+		+			
14	0	0		0	11.3	0	11.0					
15	0.2	0		0	0	0.1	+					+
16	0	0		0	0	26	0					0
17	0	0	-	0	0	9.0	0.4					+
18	0	0		0	0	+	0					1.2
19	0	0		0	0	0	+					2.0
20	0	0		0	0	+	4.7					+
21	0	0		0	0	+	0.7					
22	0	+		0	0	0.6	0	+				
23	0	0		0	0	10.6	+	0				
24	0	0		0	0	0	+	0				
25	0	0		0	0	0	5.7	+				
26	0	0		0	0	0	2.2					
27	0	0		0	0	0	+					
28	0	0		0	0	15.5						
29	0	0		0		0						
30	0	+		0		0	+		+			+
31	0		+	11.8		+		+		+	+	
	0.2	+	+	12.2	77.7	62.3	45.3	0.1	5.4	+	+	5.9
MEAN	+	+	+	0.39	2.78	2.02	1.51	+	0.18	+	+	1.97
ACRE-FEET	0.4	+	+	24.	154.	124.	90.	+	11.	+	+	12.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.57
ACRE-FEET 415.



STATION F2B-R
BROWNS CREEK at Variel Avenue

LOCATION: LAT. 34°15'53", LONG. 118°35'31", ON THE LEFT (SOUTHEAST) BANK ABOUT 100 FEET UPSTREAM FROM VARIEL AVENUE AND ONE MILE NORTHEAST OF CHATSWORTH. ELEVATION OF ZERO GAGE HEIGHT 1017 FEET FROM U.S.G.S. TOPO. MAP.

DRAINAGE AREA: 13.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL WITH PIPE AND WIRE SIDES. CONTROL - A CONCRETE STABILIZER 10 FEET BELOW STATION FORMS CONTROL.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 12, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: AT STATION F2-R LOCATED AT DEVONSHIRE STREET, ONE MILE DOWNSTREAM - DECEMBER 11, 1928 TO AUGUST 27, 1932 AND OCTOBER 2, 1935 TO OCTOBER 31, 1939.
AT STATION F2B-R, OCTOBER 12, 1961 TO SEPTEMBER 30, 1963. OCCASIONAL SINGLE MEASUREMENTS HAVE BEEN MADE AT OTHER TIMES.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 782 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 55 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1928-1963 (STATIONS F2-R AND F2B-R)
MAXIMUM 1100 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.

7SDT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2B-R

Daily discharge, in second-feet of BROWNS CREEK at Variel Street, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	0	1.6	[illegible]	0	0	0	0	0
2		0	12.0	0	0	1.6	[illegible]	0	0	0	0	0
3		0	0	0	0	1.1	[illegible]	0	0	0	0	0
4		0	0	0	0	[illegible]	+	0	0	0	0	0
5		0	0	0	0	+	0	0	0	0	0	0
6	STATION ACTIVATED 10/12/61	0	0	0	0	3.7	+	0	0	0	0	0
7		0	0	0	+	1.1	+	0	0	0	0	0
8		0	0	0	20.	[illegible]	+	0	0	0	0	0
9		0	0	0	16.	[illegible]	0	0	0	0	0	0
10		0	0	0	336.	1.1	+	0	0	0	0	0
11	0	0	0	0	237	+	+	0	0	0	0	0
12	0	0	0	0	87	+	0	0	0	0	0	0
13	0	0	0	0	19.	+	0	0	0	0	0	0
14	0	0	0	0	6.6	[illegible]	0	0	0	0	0	0
15	0	0	0	0	22.	[illegible]	0	0	0	0	0	0
16	0	0	0	0	10.	[illegible]	+	0	0	0	0	0
17	0	0	0	0	4.7	1.1	[illegible]	0	0	0	0	0
18	0	0	0	0	6.6	[illegible]	[illegible]	0	0	0	0	0
19	0	0	0	0	100	[illegible]	[illegible]	0	0	0	0	0
20	0	2.0	0	[illegible]	29.	[illegible]	[illegible]	0	0	0	0	0
21	0	0	0	0	12.	[illegible]	+	0	0	0	0	0
22	0	0	0	[illegible]	7.6	[illegible]	0	0	0	0	0	0
23	0	0	0	+	4.7	[illegible]	0	0	0	0	0	0
24	0	0	0	0	7.6	1.6	0	0	0	0	0	0
25	0	.7	0	0	4.7	1.1	0	0	0	0	0	0
26	0	0	0	0	3.7	[illegible]	+	0	0	0	0	0
27	0	0	0	0	2.7	[illegible]	+	0	0	0	0	0
28	0	0	0	0	1.6	[illegible]	+	0	0	0	0	0
29	0	0	0	0		1.1	0	0	0	0	0	0
30	0	0	0	0		[illegible]	0	0	0	0	0	0
31	0		0	0		[illegible]		0		0	0	
	0	2.7	12.0	1.1	938.5	33.8	1.5	E 0	E 0	E 0	E 0	E 0
MEAN	0	0.09	0.39	0.04	33.5	10.9	0.05	0	0	0	0	0
ACRE-FEET	0	5.4	24.	2.2	1860.	67.	3.0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.71
ACRE-FEET 1960.

7SDT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

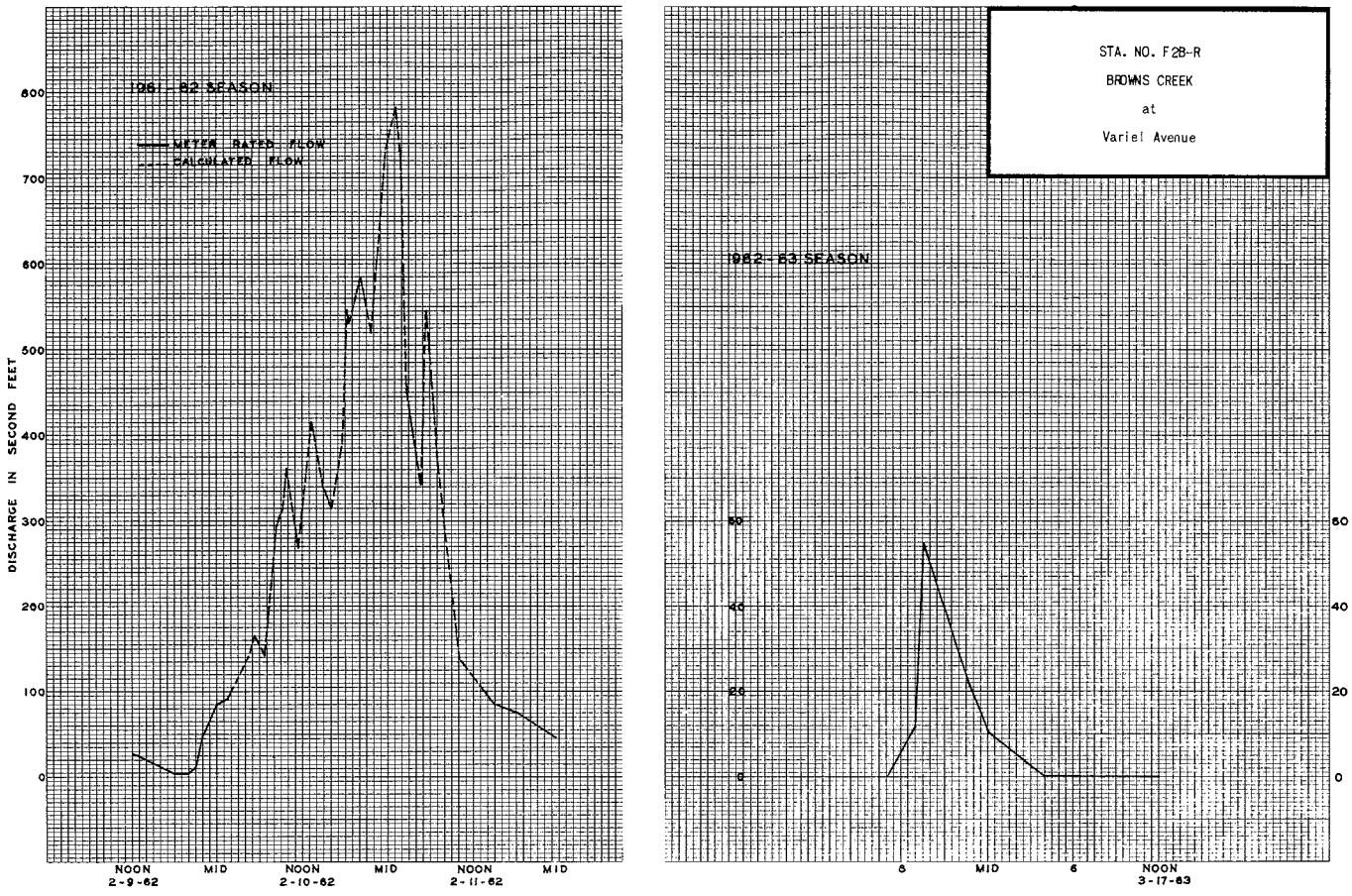
Sta. No. F2B-R

Daily discharge, in second-feet of BROWN'S CREEK at Variel Avenue, for the year ending September 30, 19 63

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	5.7	0	0	0	0	0	0	0
10	0	0	0	0	+	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	+	0	0	0	0	0	0	0
15	0	0	0	0	0	0	+	0	0	0	0	0
16	0	0	0	0	0	6.9	0	0	0	0	0	0
17	0	0	0	0	0	0.8	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	+	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	+	0	0	0	0	0
26	0	0	0	0	0	0	0.6	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	2.3	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	5.7	10.0	0.6	0	0	0	0	0
MEAN	0	0	0	0	0.20	0.32	0.02	0	0	0	0	0
ACRE-FEET	0	0	0	0	11.	20.	1.2	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 32.



STATION F108-R
CASTAIC CREEK at Highway 126

LOCATION: LAT. 34°25'41", LONG. 118°37'41", ON THE SECOND PIER FROM LEFT BANK ON THE DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT STATE HIGHWAY 126 ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF STATE HIGHWAY 126 AND U.S. HIGHWAY 99. ELEVATION OF ZERO GAGE HEIGHT, 952.05 FEET.

DRAINAGE AREA: 202.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1963. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3170 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 76 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1949-63
MAXIMUM 4200 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: POOR.

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

74D71M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	9.4	+	0	0	0	0	0
2	0	0	34	0	0	9.4		0	0	0	0	0
3	0	0	1.4	0	0	6.4		0	0	0	0	0
4	0	0	0	0	0	4.0		0	0	0	0	0
5	0	0	0	0	0	2.4		0	0	0	0	0
6	0	0	0	0	0	24	+	0	0	0	0	0
7	0	0	0	0	0	14	0	0	0	0	0	0
8	0	0	0	0	74	14	0	0	0	0	0	0
9	0	0	0	0	341	15	0	0	0	0	0	0
10	0	0	0	0	1800	15	0	0	0	0	0	0
11	0	0	0	0	2190	11	0	0	0	0	0	0
12	0	0	0	0	1430	9.4	0	0	0	0	0	0
13	0	0	0	0	197	5.6	0	0	0	0	0	0
14	0	0	0	0	15	5.6	0	0	0	0	0	0
15	0	0	0	0	164	4.8	0	0	0	0	0	0
16	0	0	0	0	118	2.4	0	0	0	0	0	0
17	0	0	0	0	30	0.8	0	0	0	0	0	0
18	0	0	0	0	9.2	7.2	0	0	0	0	0	0
19	0	0	0	0	319	13	0	0	0	0	0	0
20	0		0	1.6	149	4.8	0	0	0	0	0	0
21	0	0	0	+	126	6.4	0	0	0	0	0	0
22	0	0	0	0.3	80	4.8	0	0	0	0	0	0
23	0	0	0	0.1	54	5.6	0	0	0	0	0	0
24	0	0	0	0	54	2.4	0	0	0	0	0	0
25	0	4.3	0	0	40	1.6	0	0	0	0	0	0
26	0	0.2	0	0	24	0.8	0	0	0	0	0	0
27	0	0	0	0	16	1.6	0	0	0	0	0	0
28	0	0	0	0	11	2.4	0	0	0	0	0	0
29	0	0	0	0		1.6	0	0	0	0	0	0
30	0	0	0	0		1.2	0	0	0	0	0	0
31	0		0	0		+		0		0	0	
	0	4.5	354	2.0	72412	2066	+	0	0	0	0	0
MEAN	0	0.15	1.14	0.06	259.	6.66	+	0	0	0	0	0
ACRE-FEET	0	8.9	70.	4.0	14360.	410.	+	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 20.5
ACRE-FEET 14,850.

74D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

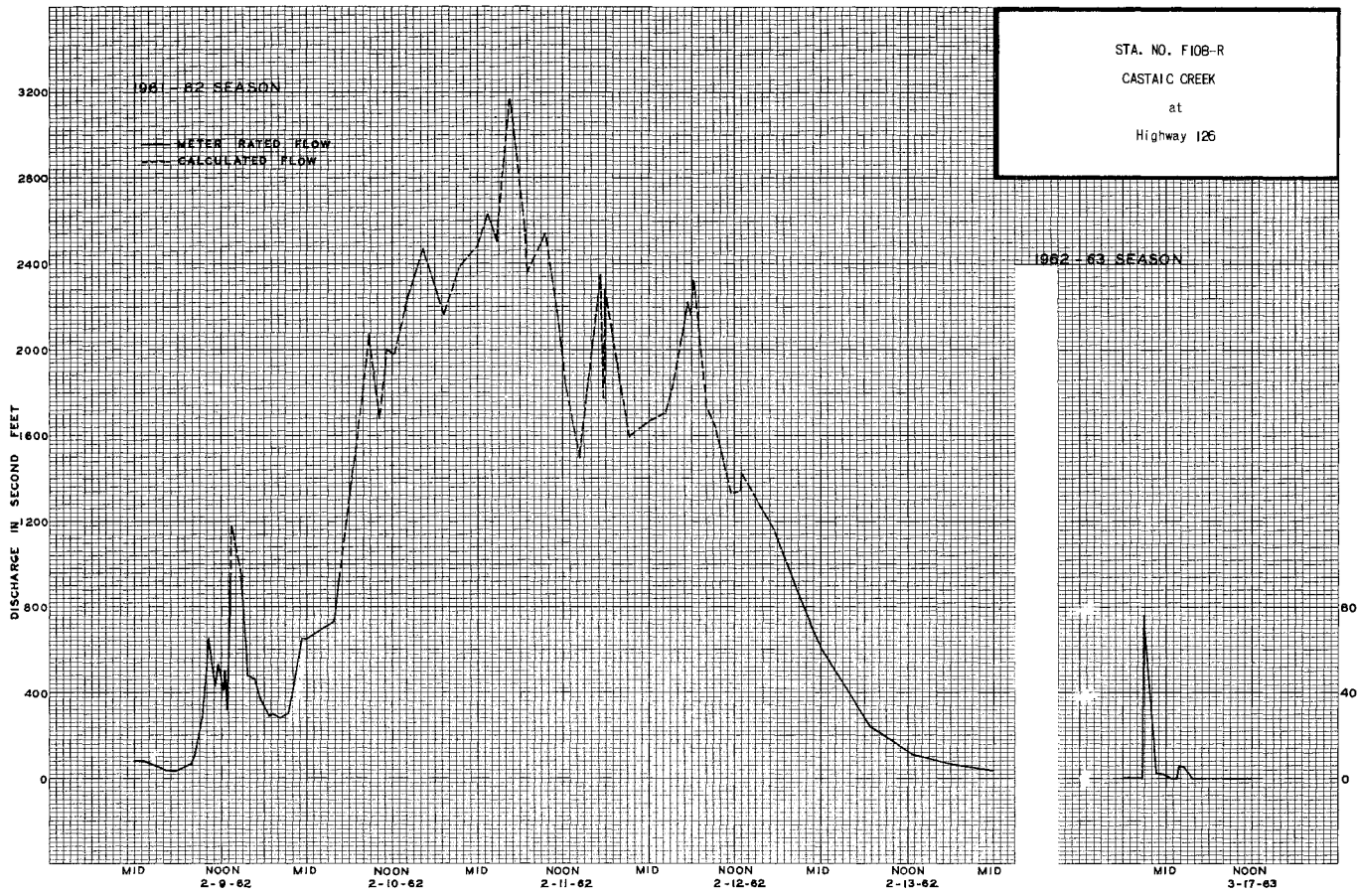
Daily discharge, in second-feet of CASTAIC CREEK at Highway 126, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	+	0	0	0				0
10	0	0	0	0	3.2	0	0	0				0
11	0	0	0	0	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0	0	0	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	3.1	0					0
17	0	0	0	0	0	0.6	0					0
18	0	0	0	0	0	0	0					0
19	0	0	0	0	0	0	0					0
20	0	0	0	0	0	0	0					0
21	0	0	0	0	0	0	0					0
22	0	0	0	0	0	0	0					0
23	0	0	0	0	0	0	0					0
24	0	0	0	0	0	0	0					0
25	0	0	0	0	0	0	0.1					0
26	0	0	0	0	0	0	1.0					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	8.1	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0	0	0	0	3.2	11.8	1.1	E 0	E 0	E 0	E 0	E 0
MEAN		0	0	0	0.11	0.38	0.04	E 0	E 0	E 0	E 0	E 0
ACRE-FEET		0	0	0	6.3	23.	2.2	E 0	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 32.



STATION F302-R
COMPTON CREEK at 120th Street

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3510 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 1900 SECOND-FEET MARCH 28.
MINIMUM NO FLOW AT VARIOUS TIMES.
1951-63
MAXIMUM 3510 SECOND-FEET FEBRUARY 19, 1962.
MINIMUM NO FLOW AT VARIOUS TIMES.

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

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

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.2	b 0.2	2.5	+	b 0.2	b 0.1	b 0.1	b 0.4	b 0.4	b 0.3	b 0.6	b 0.6
2	0.2	0.2	177		0.2	0.1	0.1	0.4	0.5	0.4	0.6	0.4
3	0.2	0.2	103		0.2	0.2	0.2	0.4	0.3	0.4	0.6	0.4
4	0.2	0.2	b 0.4		0.1	+	0.2	0.4	0.4	0.5	0.6	0.6
5	0.2	0.1	0.2	+	0.2	b 0.1	0.1	0.3	0.5	0.4	0.6	0.6
6	0.2	0.1	0		b 0.2	85	0.2	0.1	0.5	0.3	0.6	0.6
7	0.2	0.3	0	b 0.1	44	b 0.4	0.2	0.1	0.5	0.4	0.6	0.8
8	+	0.3	0	0.1	638	0.3	0.3	0.4	0.5	0.6	0.6	0.6
9	0.1	0.3	0.2	0.3	85	0.2	0.1	0.4	0.5	0.5	0.6	0.3
10	0.2	0.3	0.3	0.3	432	0.1	0.2	0.4	0.4	0.5	0.8	0.4
11	0.2	0.3	0.2	b 0.2	191	0.1	0.3	0.4	0.4	0.5	0.5	0.6
12	0.1	0.2	0.2	100	92	0.1	0.4	0.2	0.4	0.4	0.8	0.6
13	0.2	0.2	b 0.2	7.2	b 1.4	0.3	0.4	0.1	0.6	0.4	0.6	0.5
14	0.1	0.1	15.7	b +	b 0.9	0.2	0.4	0.1	0.6	0.4	0.8	0.6
15	0.1	0.2	b 0.4	0.1	334	0.2	0.4	0.2	0.6	0.4	0.6	0.4
16	0.2	0.3	0.3	0.2	140	0.3	0.6	0.2	0.6	0.4	0.6	0.3
17	0.2	0.2	0.3	0.3	b 1.4	b 0.2	0.6	0.3	0.5	0.4	0.6	0.6
18	0.2	0.2	0.3	0.2	b 0.8	34	1.0	0.3	0.5	0.5	0.6	1.5
19	0.2	b 0.1	0.3	b 0.3	381	b 0.5	1.5	0.2	0.5	0.4	0.8	1.2
20	0.2	112	0.3	172	31	b 0.3	1.5	0.2	0.4	0.4	0.4	1.1
21	0.2	b 0.6	0.4	185	72	b 0.4	1.9	0.4	0.5	0.4	0.6	0.6
22	+	0.3	0.3	61	b 0.6	81	1.5	0.5	0.5	0.4	0.6	0.6
23	0.1	0.3	0.3	b 3.0	b 0.4	b 0.4	1.5	0.6	0.5	0.4	0.5	0.4
24	0.2	b 0.2	0.2	0.3	1.0	0.2	2.4	0.5	0.4	0.5	0.6	0.6
25	0.1	67	0.1	0.3	0.4	0.2	1.5	0.5	0.4	0.5	0.4	1.2
26	0.2	15	0.1	0.3	0.4	0.3	1.1	0.4	0.5	0.4	0.4	1.1
27	0.2	b 0.8	0.2	0.3	0.2	0.3	0.6	0.3	0.6	0.5	0.4	1.1
28	0.1	0.7	0.2	0.3	b 0.1	0.3	1.1	0.3	0.6	0.4	0.5	1.5
29	0.1	b 1.2	0.2	0.3		0.2	0.6	0.3	0.6	0.4	0.5	1.2
30	+	1.2.3	0.1	0.3		0.3	b 0.5	0.2	b 0.4	0.4	0.5	b 1.2
31	b 0.1		b +	b 0.2		b 0.2		b +		b 0.4	b 0.4	
	4.6	211.2		2257.9		133.6	21.5	9.5	14.6		17.9	
		214.4		276.1						13.2		22.2
MEAN	0.15	7.15	6.81	8.90	80.6	4.31	0.72	0.31	0.49	0.43	0.58	0.74
ACRE-FEET	9.1	425.	419.	547.	4480.	265.	43.	19.	29.	26.	36.	44.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.76
ACRE-FEET 6340.

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

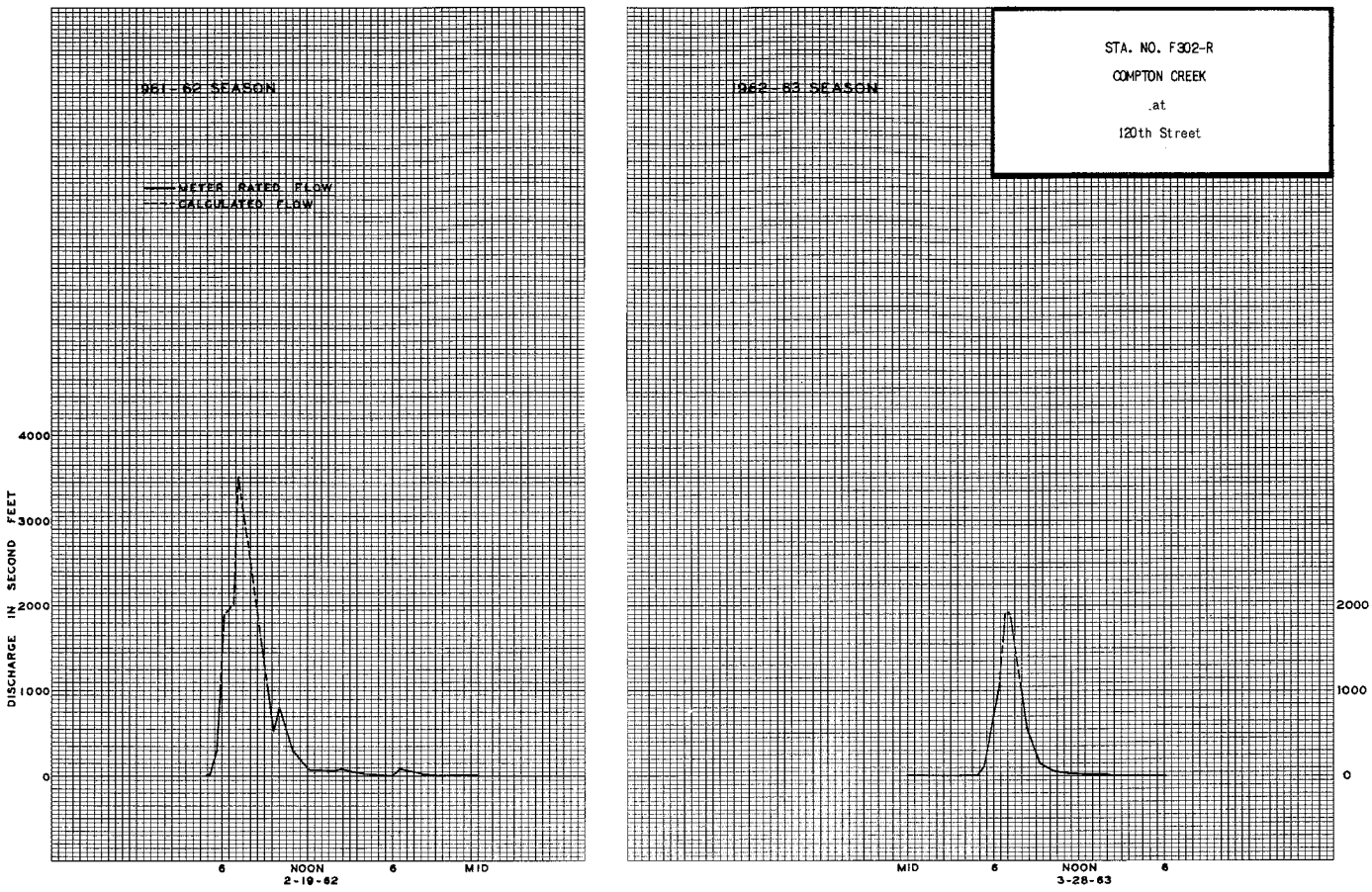
Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.1	b 0.4	b 0.6	0	13.5	+	+	b 0.1	0	b 0.1	b 0.5	b 0.8
2	0.7	0.3	0.6	0	b 0.5	+		0.1	0	0.1	0.4	b 0.8
3	0.6	0.3	0.6	0	0	+		0.1	0	0.1	0.3	b 0.8
4	0.6	0.2	b 0.7	0	0	0		0.1	b 0.1	0.1	0.2	a 1.40
5	0.6	0.3	0	0	0	0		0.1	0.1	0.1	0.2	b 2.0
6	0.6	0.5	0	0	0	0		0.1	0.1	0.1	0.2	0.7
7	0.6	0.6	0	0	0	0	+	0.1	0.1	0.1	0.2	0.7
8	0.5	0.8	0	0	+	0	b 2.3	0.1	0.1	0.2	0.2	0.2
9	0.6	1.2	0	b 0.7	223	8.7	+	0.1	0.1	0.2	0.3	0.4
10	0.7	1.2	0	b 0.2	280	b 0.1		0.1	b 0.1	0.2	0.3	0.6
11	0.6	1.2	0	0	+	b 0.1		0.1	12.0	0.2	0.4	0.8
12	0.6	0.8	0	0	+	0.1		0.1	b 0.1	0.2	0.4	3.7
13	0.6	0.7	0	0	b 2.5	0.1	+	0.1	0.1	0.2	0.5	3.7
14	0.7	0.6	0	0	11.1	b 0.1	4.1	0.1	0.1	0.2	0.5	0.6
15	1.2	0.7	0	0	b 0.2	9.9	2.8	b 0.1	0.1	0.2	0.6	0.4
16	0.8	0.7	0	0	0.1	190	+	+	0.1	0.3	0.6	b 0.4
17	0.8	0.7	0	0	0.1	4.7			0.1	0.3	0.6	51
18	2.9	0.5	0	0	0.1	b 0.1			0.1	0.4	0.6	45
19	2.9	0.2	0	0	0.1	0.1	+		0.1	0.3	0.6	40
20	1.2	0.1	0	0	0.1	0.1	9.2		0.1	0.3	0.6	b 0.5
21	0.6	0	0	0	0.1	0.1	4.9		0.1	0.1	0.6	b 0.5
22	0.5	0.2	0	0	0.1	b 1.3	+		0.1	0.3	0.6	+
23	0.4	0.4	0	+	0.1	41	+	+	0.1	0.4	0.6	+
24	0.4	0.6	0		b 0.1	b 0.1	+	0	0.1	0.4	0.6	b 0.1
25	0.3	0.6	0		+	0.1	21	0	0.1	0.5	0.7	0.3
26	0.1	0.6	0			0.1	86	0	0.1	0.5	0.7	1.7
27	0	0.8	0			b 0.1	b 0.1	0	0.1	0.5	0.8	1.2
28	0	1.2	0		+	163	0.1	0	0.1	0.5	0.8	0.5
29	0	0.8	0			b 0.1	0.1	0	0.1	0.5	0.8	0.2
30	0.4	b 0.6	0	+		b 0.1	b 0.1	0	b 0.1	0.5	0.8	b 0.8
31	b 0.3		0	58		b 0.1		0		b 0.5	b 0.8	
	21.9	18.0	2.5	58.9	531.7	420.2	167.6	1.5	14.6	8.6	16.0	298.4
MEAN	0.71	0.60	0.08	1.90	19.0	13.6	5.59	0.05	0.49	0.28	0.51	9.94
ACRE-FEET	43.	36.	5.0	117.	1050.	833.	332.	3.0	29.	17.	32.	592.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.27
ACRE-FEET 3090.



STATION F37B-R
COMPTON CREEK near Greenleaf Drive

LOCATION: LAT. 33°52'54", LONG. 118°13'27", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTERLINE OF GREENLEAF DRIVE 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: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 4550 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 3310 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW OCTOBER 29.
1928-61 (STATIONS F37-R AND F37B-R)
MAXIMUM DISCHARGE NOT DETERMINED. OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 4910 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

74D71M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.6	3.4	0.2	0.6	0.4	0.4	1.4	1.2	0.8	1.8	1.8
2	0.6	0.6	304	0.2	0.6	0.4	0.4	1.4	1.6	1.4	1.8	1.2
3	0.6	0.6	22	0.2	0.6	0.6	0.6	1.2	1.0	1.4	2.0	1.2
4	0.5	0.6	1.2	0.2	0.4	0.2	0.6	1.2	1.2	1.6	2.0	1.6
5	0.5	0.4	0.6	0.2	0.6	0.4	0.4	1.0	1.6	1.4	2.0	1.8
6	0.5	0.4	0.4	0.2	0.6	142	0.6	0.4	1.6	1.0	1.8	2.0
7	0.5	0.8	0.4	0.4	80	1.4	0.6	0.4	1.6	1.4	1.8	2.5
8	0.2	0.8	0.6	0.4	1060	0.8	0.8	1.2	1.6	1.8	1.8	1.8
9	0.4	0.8	0.4	0.8	138	0.6	0.4	1.4	1.6	1.6	1.8	0.8
10	0.5	1.0	0.2	0.8	614	0.4	0.6	1.2	1.4	1.6	2.5	1.2
11	0.5	0.8	0.2	0.6	342	0.4	0.8	1.2	1.2	1.6	1.6	1.8
12	0.4	0.6	0.4	8.7	123	0.4	1.2	0.6	1.2	1.4	2.5	1.8
13	0.5	0.6	0.4	133	3.4	0.8	1.4	0.4	1.8	1.4	2.0	1.6
14	0.4	0.4	24	0.2	2.9	0.6	1.4	0.4	1.8	1.2	2.5	1.8
15	0.4	0.6	1.2	0.4	487	0.6	1.2	0.6	2.0	1.4	1.8	1.4
16	0.6	0.8	0.8	0.6	25	0.8	2.0	0.6	1.8	1.2	1.8	1.0
17	0.6	0.6	0.8	0.8	3.4	0.6	2.0	1.0	1.6	1.4	2.0	2.0
18	0.6	0.6	1.0	0.6	2.5	46	2.9	0.8	1.6	1.6	2.0	3.4
19	0.6	0.4	0.8	0.8	576	2.9	3.4	0.6	1.6	1.4	2.5	2.9
20	0.5	185	1.0	274	82	1.0	3.4	0.6	1.4	1.4	1.4	2.5
21	0.5	2.0	1.2	27	13.7	1.4	3.8	1.2	1.6	1.4	1.8	2.0
22	0.2	1.0	1.0	112	1.8	8.6	3.4	1.6	1.6	1.2	1.8	1.8
23	0.4	1.0	1.0	9.8	1.4	1.8	3.4	1.8	1.6	1.4	1.6	1.4
24	0.5	0.6	0.6	1.0	3.0	0.6	4.3	1.6	1.4	1.6	1.8	2.0
25	0.4	125	0.4	1.0	1.4	0.6	3.4	1.6	1.4	1.6	1.2	2.9
26	0.5	27	0.4	1.0	1.2	0.8	2.5	1.4	1.6	1.4	1.2	2.5
27	0.5	2.9	0.6	0.8	0.6	0.8	2.0	1.0	2.0	1.6	1.2	2.5
28	0.4	2.5	0.6	1.0	0.4	0.8	2.5	1.0	1.8	1.4	1.6	3.4
29	0.1	3.4	0.6	0.8		0.6	2.0	0.8	1.8	1.4	1.6	2.9
30	0.2	19.7	0.4	0.8		0.8	1.6	0.6	1.2	1.4	1.6	2.9
31	0.4		0.2	0.6		0.6		0.4		1.4	1.2	
	14	382.1	370.8	459.4	3566.1	220.7	54.0	30.6	46.4	43.8	56.0	60.6
MEAN	0.45	12.7	11.8	14.8	127.	7.11	1.80	0.99	1.55	1.41	1.81	2.02
ACRE-FEET	28.	758.	744.	911.	7070.	436.	107.	61.	92.	87.	111.	120.

Remarks:

YEAR OR PERIOD MEAN 14.5
ACRE-FEET 10,520.

74D71M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

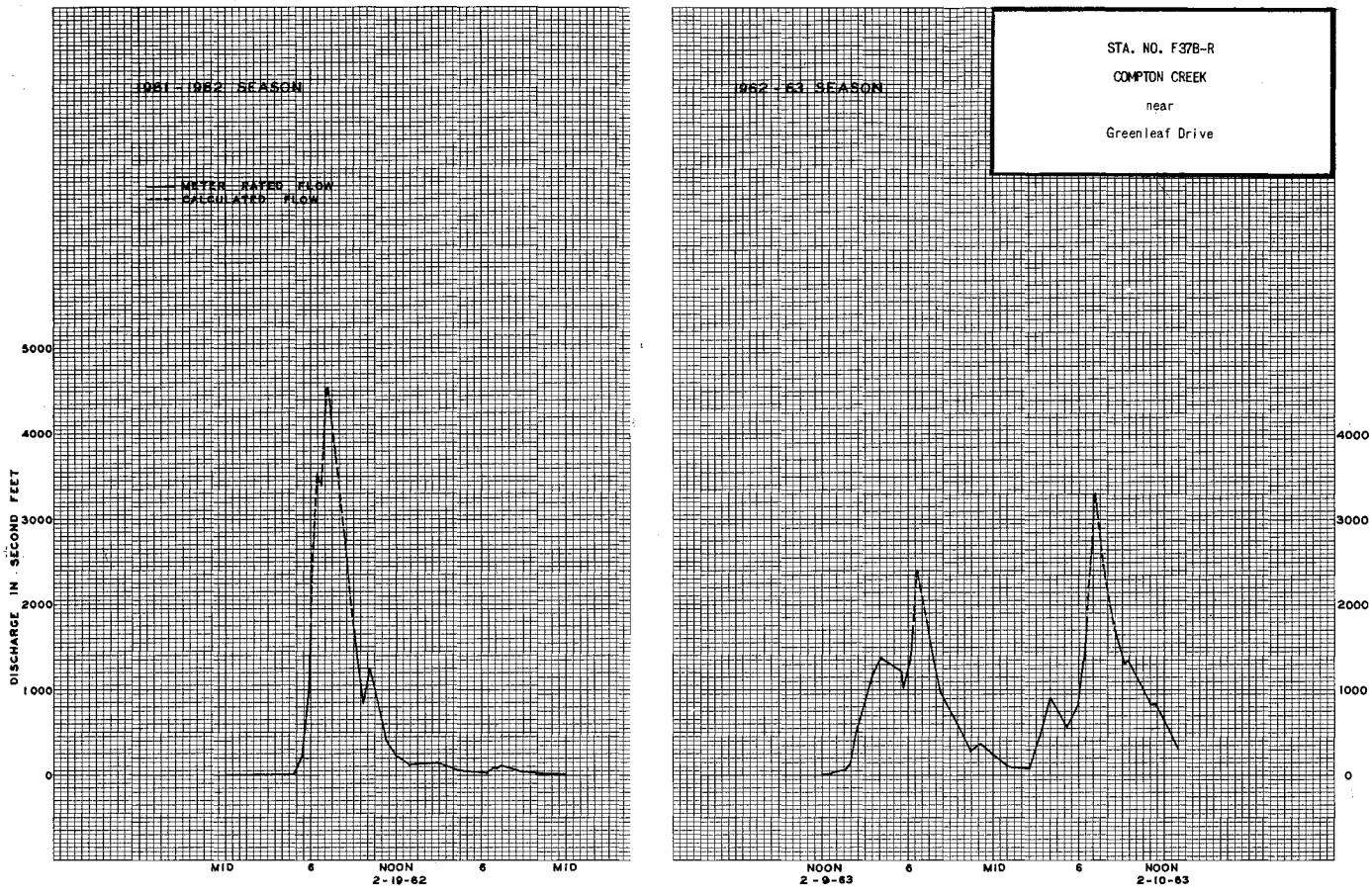
Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	1.2	2.0	1.6	19.1	1.6	1.4	1.4	2.9	1.0	1.7	3.4
2	2.5	1.0	1.8	1.6	1.6	1.6	1.4	1.6	2.5	0.8	1.6	3.4
3	1.8	0.8	1.8	1.8	0.6	1.6	1.8	e 1.6	2.0	0.8	1.4	4.3
4	2.0	0.6	2.5	1.6	0.4	1.4	1.4	1.6	2.0	0.6	0.2	239
5	1.8	1.0	1.8	1.6	0.6	1.6	1.6	1.6	2.0	0.4	0.4	7.3
6	2.0	1.6	1.4	2.0	0.6	1.4	1.4	1.6	2.0	0.4	2.0	1.4
7	2.0	2.0	1.2	1.8	0.6	1.6	1.4	1.6	2.0	0.2	2.0	1.4
8	2.0	2.9	1.2	1.8	0.6	1.4	4.3	1.8	2.5	0.4	2.9	0.6
9	2.9	3.4	1.6	1.6	417	14.8	2.9	1.8	1.8	0.6	1.8	1.2
10	3.8	3.4	1.4	2.5	576	1.8	3.4	1.8	2.0	0.6	1.6	2.0
11	3.4	3.4	1.6	2.0	5.7	1.4	1.6	1.8	22	1.2	0.8	2.9
12	2.9	2.9	1.6	1.8	2.0	1.8	1.4	1.8	1.2	0.8	0.6	5.2
13	2.5	2.5	1.4	1.8	4.3	1.6	1.4	2.0	1.0	0.6	1.4	5.2
14	3.4	2.9	1.6	1.6	28	2.0	64	2.0	1.2	0.6	1.8	2.0
15	3.6	2.5	1.6	1.6	2.9	18.7	8.8	2.0	1.0	0.6	3.4	1.2
16	3.4	2.5	1.4	2.0	2.0	318	1.6	2.0	1.2	1.0	5.7	2.9
17	3.4	2.5	1.6	1.4	1.8	21	2.5	2.2	1.0	1.0	1.6	126
18	4.3	1.6	1.2	1.2	1.6	1.2	1.6	2.2	1.2	1.2	1.0	77
19	4.3	1.6	1.2	0.6	1.6	1.0	1.6	2.2	1.4	1.0	2.5	43
20	3.4	1.4	1.2	0.4	1.6	1.0	5.4	2.2	1.6	1.0	2.9	1.6
21	2.0	2.0	1.2	+	1.8	1.0	25	2.4	1.6	0.4	2.5	1.6
22	1.8	2.0	1.2	+	1.6	1.2	1.4	2.4	1.4	0.8	1.8	0.2
23	1.8	1.6	1.2	0.4	1.6	86	1.4	2.4	1.2	1.4	5.2	0.2
24	1.6	1.8	1.6	1.0	1.6	1.8	1.4	2.4	1.0	1.4	1.8	0.4
25	1.2	1.8	1.4	1.0	1.8	1.8	1.6	2.6	1.4	1.6	0.4	0.8
26	0.8	2.0	1.4	1.0	1.8	2.0	143	2.6	1.4	1.6	0.2	2.0
27	0.4	2.9	1.2	1.0	1.6	2.0	1.4	2.8	1.6	1.6	1.6	2.0
28	+	2.9	1.2	1.0	1.8	305	1.4	e 2.6	1.2	1.6	3.8	1.6
29	+	2.5	1.4	1.0		2.5	1.2	2.9	1.4	1.6	4.8	0.6
30	1.4	1.8	1.4	1.0		2.5	1.4	2.0	1.0	1.7	3.4	2.9
31	1.0		1.6	62		1.6		2.5		1.7	2.9	
	69.6	63.0	45.9	102.3	1082.2	803.9	290.3	64.6	67.7	30.2	65.9	543.3
MEAN	2.25	2.10	1.48	3.30	38.6	25.9	9.68	2.08	2.26	0.97	2.12	18.1
ACRE-FEET	138.	125.	91.	203.	2150.	1590.	576.	128.	134.	60.	131.	1080.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.85
ACRE-FEET 6400.



STATION F320-R
COYOTE CREEK at Centralia Road

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

DRAINAGE AREA: 110 SQUARE MILES TO DECEMBER 1, 1960; 122 SQUARE MILES THEREAFTER.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO JULY 2, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION F41-R, STREAM FLOW MEASUREMENTS TAKEN FROM DECEMBER 1, 1928, TO JANUARY 14, 1930. RECORDER RECORDS FROM JANUARY 14, 1930 TO OCTOBER 30, 1936; AT STATION F41B-R, OCTOBER 30, 1936 TO FEBRUARY 17, 1937; AT STATION F41C-R, FEBRUARY 18, 1937 TO FEBRUARY 8, 1956; AT STATION F320-R, FEBRUARY 9, 1956 TO JULY 2, 1963. SUBSEQUENT RECORDS WILL BE PUBLISHED AS STATION F354R, COYOTE CREEK BELOW SPRING STREET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 5810 SECOND-FEET FEBRUARY 11.
MINIMUM 0.3 SECOND-FOOT NOVEMBER 6.
1962-63
MAXIMUM 4640 SECOND-FEET FEBRUARY 10.
MINIMUM 0.2 SECOND-FOOT AT VARIOUS TIMES.
1929-63
(STATIONS F41-R, F41B-R, F41C-R, F320-R)
MAXIMUM 7360 SECOND-FEET JANUARY 18, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F320-R

Daily discharge, in second-feet of COYOTE CREEK at Centralia Road, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.0	1.4	1.2	b 2.0	b 3.6	3.3	2.8	1.7	1.0	0.9	1.5
2	0.8	0.8	453	1.2	1.9	3.4	b 3.1	2.8	1.4	0.8	1.0	2.2
3	1.0	0.9	193	1.4	2.1	2.8	3.0	3.3	1.5	0.8	1.0	1.2
4	0.8	0.8	b 5.9	1.7	2.2	2.6	3.1	3.1	1.5	0.7	0.9	1.3
5	1.5	0.6	5.1	1.6	3.0	2.7	3.9	3.0	1.4	0.8	0.8	1.3
6	1.9	0.4	4.4	1.3	2.6	100	2.6	2.9	1.4	0.7	0.7	0.8
7	0.9	0.5	b 3.8	1.1	58	14	2.7	3.1	1.4	0.6	0.7	0.4
8	1.2	1.0	3.3	0.8	1500	3.7	2.4	3.0	1.9	0.5	0.4	0.7
9	1.3	0.8	2.8	1.0	431	3.3	b 2.5	2.8	2.4	0.4	0.4	0.7
10	1.2	0.9	2.6	1.3	179	3.3	2.9	2.6	2.2	0.5	0.7	0.8
11	1.3	1.4	2.6	1.0	2700	2.8	b 1.7	2.4	2.3	0.5	1.0	0.8
12	1.2	0.9	2.4	1.2	160	2.6	b 1.9	2.6	2.6	0.5	0.9	1.1
13	1.2	0.6	2.3	20	96	2.4	2.5	2.9	2.7	0.4	1.3	1.1
14	1.0	1.2	15	1.8	21	2.2	2.3	8.2	3.2	0.7	1.4	0.9
15	1.2	1.5	2.3	2.2	1140	2.8	2.0	5.2	4.3	0.6	1.4	0.9
16	1.1	1.0	1.3	1.8	194	3.0	2.2	2.4	3.9	0.6	1.6	0.9
17	0.9	0.7	1.0	1.5	36	2.5	2.4	2.1	3.9	0.7	1.6	0.8
18	1.1	1.0	1.0	1.5	b 17	24	2.3	1.9	3.5	0.7	1.4	0.8
19	1.4	1.0	0.8	1.5	1000	19	2.4	1.8	3.5	0.8	1.1	0.9
20	1.7	142	0.7	743	272	7.9	2.6	2.4	3.8	0.8	0.8	1.1
21	2.3	10	0.8	108	380	6.7	2.6	1.6	3.7	0.9	1.0	0.7
22	1.2	b 3.0	0.7	291	72	6.4	2.4	1.5	3.0	0.8	0.7	0.4
23	0.8	b 1.9	0.6	91	b 22	10	2.7	1.5	2.6	0.7	0.6	0.7
24	0.6	0.6	1.0	b 9.3	14	b 6.0	2.6	1.5	2.4	0.9	0.7	1.1
25	1.2	116	0.9	11	12	5.8	2.6	1.7	2.0	0.9	1.0	1.2
26	0.9	19	b 0.8	29	10	5.7	2.6	1.5	1.5	0.9	0.9	1.0
27	1.3	b 3.0	b 0.8	5.8	8.0	5.6	2.2	1.9	1.0	0.8	1.0	0.6
28	1.0	2.0	b 0.8	b 5.0	b 6.0	b 5.5	2.6	2.1	0.8	0.8	1.3	0.8
29	0.6	b 1.0	0.9	4.1		5.3	2.8	2.1	0.7	0.7	1.1	0.7
30	0.5	2.0	1.6	3.4		4.6	2.9	1.6	1.0	0.6	1.4	0.7
31	0.7		1.2	b 2.1		3.4		1.8		0.7	1.3	
	34.8	715.0		8341.8		773.8		692		309		
		3175		1347.8		273.6		801		21.8		281
MEAN	1.12	10.6	23.1	43.5	298.	8.82	2.59	2.58	2.31	0.70	1.00	0.94
ACRE-FEET	69.	630.	1420.	2670.	16550.	543.	154.	159.	137.	43.	61.	56.

Remarks:

YEAR OR PERIOD MEAN 31.1
ACRE-FEET 22,490.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

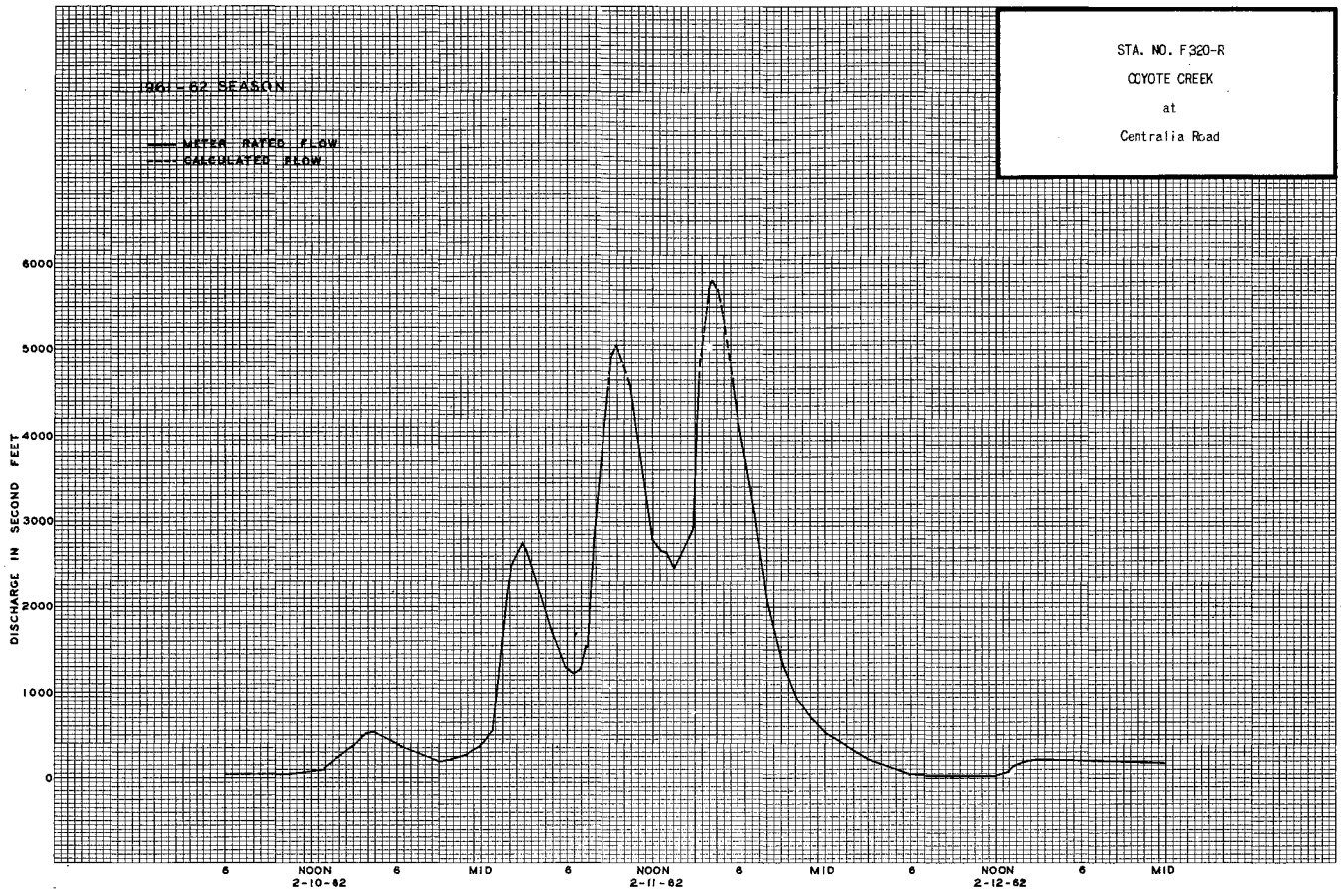
Sta. No. F320-R

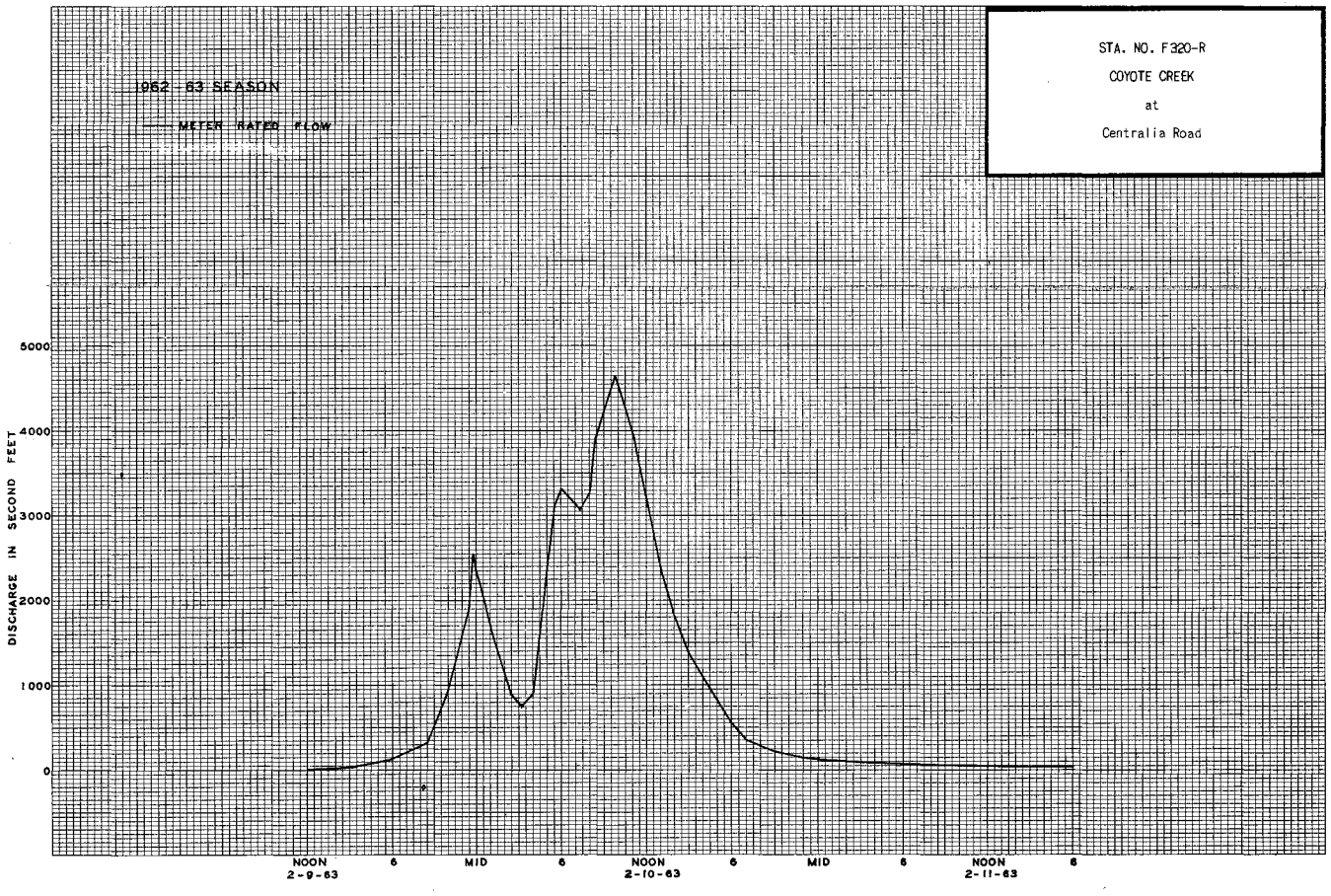
Daily discharge, in second-feet of COYOTE CREEK at Centralia Road, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.6	1.3	1.0	1.1	47.	1.1	1.5	1.6	1.3	.8	e .7	e .2
2	.6	1.5	1.1	1.1	7.7	1.7	1.8	1.3	1.1	e .8	.7	.2
3	.7	1.6	1.1	1.0	3.4	.8	1.1	2.9	1.3	.9	.7	.2
4	.4	1.3	1.0	1.3	3.3	.8	1.0	2.0	1.3	.9	.8	40.
5	.6	1.0	1.1	1.3	3.0	1.3	.9	1.1	1.2	.9	.8	6.0
6	.7	1.2	1.1	1.3	2.9	1.6	.7	1.0	1.1	.9	.9	5.0
7	.4	1.3	1.1	1.3	3.0	1.5	.7	.8	1.0	.9	.9	4.0
8	.4	1.0	1.3	1.4	2.7	.7	1.6	1.2	.9	.8	.9	3.0
9	.5	1.1	1.3	1.5	209.	.8	1.1	1.1	.9	.8	.9	2.0
10	.6	1.1	1.4	2.1	1790	1.1	.9	1.2	1.0	.8	.8	1.0
11	.7	1.1	1.4	1.5	48.	1.2	.8	1.9	18.0	.6	.7	.6
12	.7	1.1	1.3	1.1	b 10.0	1.4	.6	1.5	1.7	.8	.6	.6
13	.8	1.1	1.4	.8	b 4.2	1.5	.6	1.3	.8	.7	.5	.5
14	.8	1.1	1.3	.9	142	1.2	25.	1.4	.7	.6	.4	.5
15	.8	1.2	1.4	1.1	9.9	21.	8.3	1.3	.6	.5	.4	.4
16	.9	1.1	1.4	1.1	b 2.7	11.0	1.5	1.0	.6	.4	.4	.3
17	1.1	1.1	1.1	1.0	2.6	122	56.	1.3	1.0	.3	.4	254
18	1.5	1.1	1.4	.8	2.4	15.0	8.0	2.0	.9	.3	.4	70.
19	1.3	1.0	1.0	1.0	2.3	3.8	3.5	2.7	.6	.4	.4	21.
20	1.0	1.0	.8	1.1	2.2	2.5	2.6	1.9	.8	.5	.4	13.0
21	.7	.9	.8	1.1	b 2.0	1.9	21.	1.5	.7	.6	.4	7.0
22	.7	1.0	.8	1.3	1.8	1.7	1.6	2.2	.5	.7	.4	6.5
23	.7	.7	.9	1.6	1.7	36.	1.1	.7	.6	.8	.4	6.0
24	.7	.7	.8	1.6	1.6	2.4	.8	.9	.4	.9	.4	5.5
25	.5	.8	.8	1.8	1.4	1.4	1.0	.7	.6	1.0	.3	5.0
26	.4	.9	.6	1.8	1.4	1.4	267	.8	1.1	1.0	.3	4.9
27	.7	.9	.6	1.9	1.3	1.3	3.8	.8	1.1	.9	.2	4.5
28	1.0	.8	.6	1.8	1.1	173	1.7	.9	1.1	.9	.2	3.5
29	1.0	.9	.8	1.7		5.6	1.7	1.4	1.1	.8	.2	2.5
30	1.1	1.0	.8	1.8		2.4	1.4	1.2	1.5	.8	.2	e 1.5
31	1.1		.8	16.0		1.9		1.2		e .7	e .2	
	23.7	31.9	32.3	56.2	2310.6	421.0	419.3	42.8	45.5	22.9	15.9	469.4
MEAN	0.76	1.06	1.04	1.81	82.5	13.6	14.0	1.38	1.52	0.76	0.51	15.6
ACRE-FEET	47.	63.	64.	111.	4580.	835.	832.	85.	90.	45.	32.	931.

Remarks:

YEAR OR PERIOD MEAN 11.2
ACRE-FEET 7720.


STA. NO. F320-R
COYOTE CREEK
at
Centralia Road
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
6000
5000
4000
3000
2000
1000
0
6
NOON
2-10-62
6
MID
6
NOON
2-11-62
6
MID
6
NOON
2-12-62
6
MID


STA. NO. F320-R
COYOTE CREEK
at
Centralia Road
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
5000
4000
3000
2000
1000
0
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6
NOON
2-11-63
6

STATION F265-R
DOMINGUEZ CHANNEL at Carson Street

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

DRAINAGE AREA: 54.5 SQUARE MILES. (56 SQUARE MILES PRIOR TO 1956.)

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: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1963. FOR PREVIOUS RECORDS SEE EARLIER REPORTS ON STATION F46-R. NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1530 SECOND-FEET FEBRUARY 11.
MINIMUM 3.7 SECOND-FEET APRIL 5.
1962-63
MAXIMUM 1510 SECOND-FEET FEBRUARY 10.
MINIMUM NOT DETERMINED DUE TO PUMPING.
1938-63
MAXIMUM 1720 SECOND-FEET JANUARY 26, 27, 1956.
MINIMUM NO MEASURABLE FLOW. WATER PONDED AT GAGE.

ACCURACY: POOR, DUE TO CHANNEL EXCAVATION UPSTREAM AND DOWNSTREAM OF STATION.

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F265-R

Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	7.8	19	7.2	13	16	10	12	14	12	11	11
2	10	8.0	163	6.8	13	15	10	12	13	11	b 11	11
3	9.9	8.6	204	7.0	13	15	11	12	11	10	11	11
4	9.9	8.4	85	6.8	12	16	6.2	12	10	9.9	12	12
5	9.7	8.6	43	6.8	12	17	4.5	10	9.7	9.7	12	13
6	9.7	8.2	27	6.2	12	163	4.7	8.0	9.3	10	12	15
7	9.7	8.2	21	6.2	14	162	5.4	6.4	9.1	11	12	14
8	9.7	8.4	16	6.6	725	74	5.9	6.4	10	12	13	14
9	11	8.4	13	7.2	1220	36	6.8	7.2	10	13	b 13	14
10	12	8.4	12	7.6	949	24	7.8	7.0	11	14	12	13
11	12	8.4	11	8.6	1430	20	8.2	7.2	11	15	12	12
12	12	8.2	11	8.6	1220	17	8.2	7.2	12	16	11	12
13	12	7.8	12	7.8	741	14	8.4	5.9	13	16	9.9	12
14	12	8.0	11	8.6	384	12	8.6	5.6	14	15	9.3	11
15	11	7.4	15	8.2	327	11	11	6.1	12	14	8.6	12
16	11	7.2	13	7.4	562	9.5	13	8.0	12	13	9.3	12
17	9.9	7.0	10	8.0	414	9.9	16	9.9	12	13	9.7	12
18	9.3	6.8	10	7.8	153	13	16	10	12	12	10	11
19	9.3	8.0	9.7	8.2	394	71	16	8.6	12	12	11	10
20	9.7	33	9.9	9.3	567	41	15	9.3	12	12	11	9.7
21	9.1	104	9.5	254	415	21	15	9.5	12	12	12	9.5
22	9.3	44	8.8	213	179	18	14	9.7	12	12	12	9.1
23	8.2	22	8.8	292	85	17	12	9.7	12	12	13	8.8
24	8.6	13	8.6	158	46	17	10	12	13	12	13	8.8
25	7.8	55	8.4	96	30	14	8.4	15	13	12	12	8.6
26	8.2	197	8.2	45	24	13	8.0	18	14	12	12	8.8
27	7.8	93	8.4	22	20	12	8.0	18	15	12	12	8.6
28	8.4	42	7.8	15	17	12	9.3	17	15	12	11	8.8
29	8.6	28	7.4	13		11	9.5	18	14	12	11	8.6
30	8.6	22	7.0	13		11	11	16	13	11	10	8.8
31	8.2		7.4	15		11		15		11	10	
	303.6	804.8	805.9	1370.6	9991.0	913.4	297.9	328.7	362.1	380.6	349.0	330.1
MEAN	9.79	26.8	26.0	44.2	35.7	29.5	9.93	10.6	12.0	12.3	11.2	11.0
ACRE-FEET	602.	1600.	1600.	2720.	19820.	1810.	591.	652.	718.	755.	692.	655.

Remarks:

YEAR OR PERIOD MEAN 44.5
ACRE-FEET 32,220.

FORM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

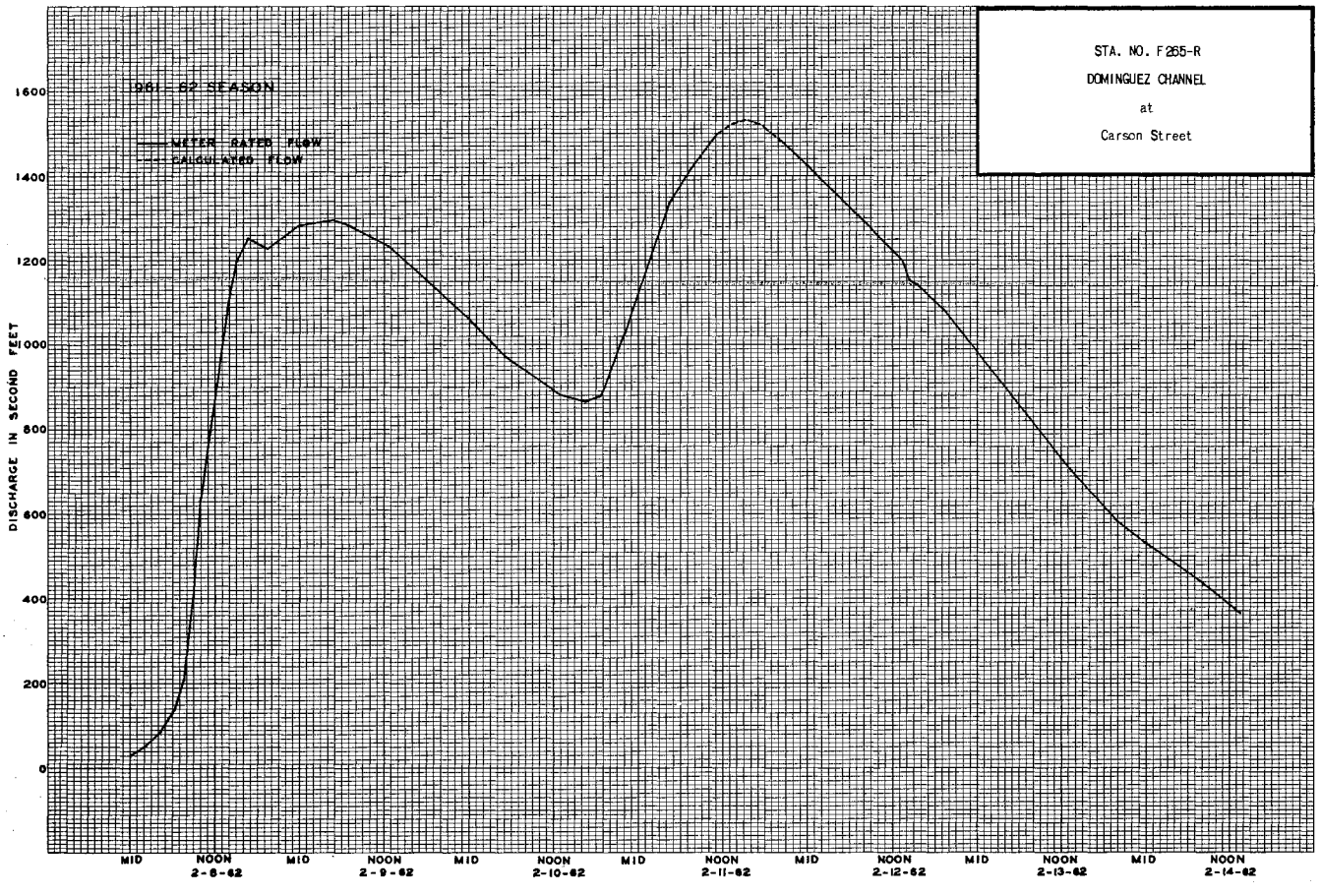
Sta. No. F265-R

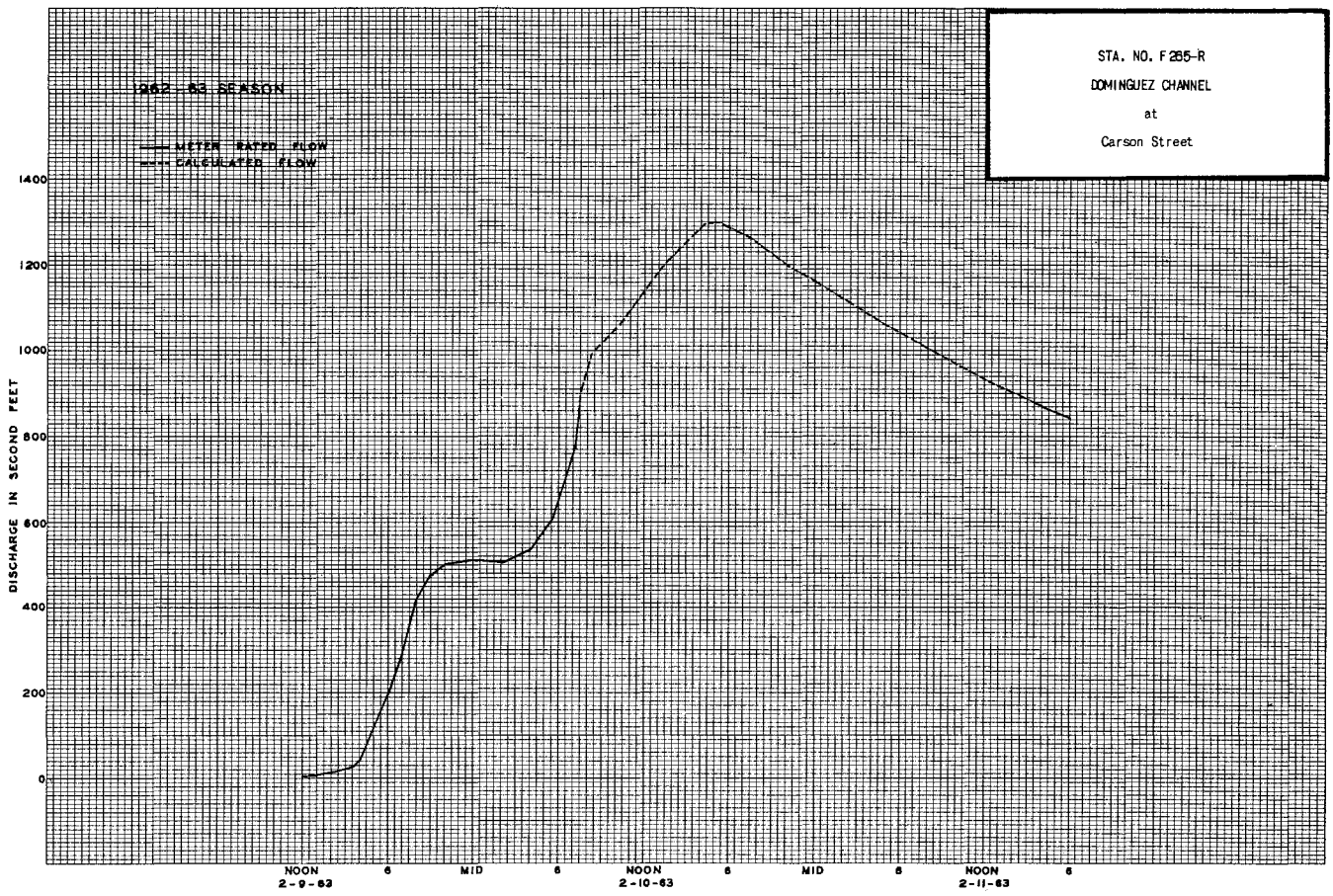
Daily discharge, in second-feet of DOMINGUEZ CHANNEL at Carson Street, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.4	21	a 8.6	8.0	92	11	21	12	13	13	c 9.2	c 9.0
2	8.8	14	8.6	8.4	58	10	15	10	13	14	9.5	8.0
3	8.6	11	8.6	8.4	17	8.9	14	11	13	16	10	7.0
4	8.6	8.8	8.6	8.0	7.4	8.6	14	11	12	10	11	141
5	8.4	8.6	a 8.6	8.0	6.1	8.1	14	11	9.6	10	11	
6	8.8	8.4	8.8	8.0	5.8	8.1	13	10	5.4	11	11	20
7	8.6	8.0	8.6	7.6	5.6	8.9	11	11	8.3	11	11	18
8	8.6	8.6	8.6	8.2	5.8	9.6	13	12	4.0	9.3	11	16
9	9.3	8.6	8.0	8.2	122	9.6	13	11	4.2	7.6	11	15
10	9.7	8.4	8.0	9.1	992	10	12	11	8.3	8.6	12	13
11	10	8.4	8.0	8.6	942	11	9.3	12	8.1	7.3	13	11
12	9.7	8.4	8.4	8.0	598	12	11	11	10	a 7.5	14	9.0
13	8.6	8.6	9.1	7.6	318	13	11	11	a 10	7.6	15	7.2
14	8.4	9.3	8.6	8.0	172	13	77	12	10	7.8	16	7.0
15	8.8	9.1	8.4	7.8	92	37	140	13	10	7.9	17	7.0
16	8.8	9.1	8.2	7.8	40	55	35	14	11	8.1	16	7.0
17	9.3	8.4	8.2	7.8	21	338	26	14	11	8.2	15	
18	9.3	8.2	8.0	8.4	20	102	18	13	12	8.4	14	300
19	9.3	8.0	7.8	8.8	16	36	15	13	12	8.9	13	
20	8.8	7.8	a 7.8	8.8	15	19	14	12	a 12	9.4	12	17
21	8.4	8.4	7.7	8.8	14	18	59	11	12	9.9	11	17
22	7.8	8.0	7.6	9.5	13	15	59	6.3	13	10	10	17
23	7.8	8.0	7.5	9.5	12	59	28	8.6	13	11	10	16
24	8.4	8.4	7.4	11	12	28	15	14	13	a 11	10	16
25	8.0	8.6	7.3	10	11	14	13	13	12	12	10	15
26	8.4	8.2	7.2	9.5	12	13	102	13	10	12	10	15
27	8.6	8.4	a 7.1	9.5	12	12	112	7.8	10	13	10	15
28	8.8	8.6	7.0	9.1	11	334	69	14	13	13	11	14
29	8.8	8.6	7.0	8.6		307	41	15	12	16	12	14
30	9.1	8.6	7.2	9.3		118	21	14	12	13	11	c 13
31	13		7.4	26		46		14		8.3	c 10	
	275.9	247.7		3642.7		1015.3		316.9		366.7		
	274.5		284.3		1692.8		365.7		320.8			764.2
MEAN	8.90	9.15	7.99	9.17	130.	54.6	33.8	11.8	10.6	10.3	11.8	25.5
ACRE-FEET	547.	544.	481.	564.	7230.	3360.	2010.	725.	629.	636.	727.	1520.

Remarks: + = 0.05 CFS OR LESS
} = TOTAL FOR PERIOD

YEAR OR PERIOD MEAN 26.2
ACRE-FEET 18,980.





STATION F210-R
DOMINGUEZ CHANNEL at Main Street
(Formerly Harbor Boulevard)

LOCATION: LAT. 33°51'21", LONG. 118°18'40". ON THE DOWNSTREAM SIDE OF MAIN STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT -0.14 FOOT BEGINNING DECEMBER 27, 1961.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL TO JANUARY 1961.

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 5, 1942 TO JANUARY 5, 1961 AND DECEMBER 27, 1961 TO SEPTEMBER 30, 1963.

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

REMARKS: STATION REMOVED JANUARY 6, 1961, DUE TO BRIDGE CONSTRUCTION. REINSTALLED ON DECEMBER 27, 1961.

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

STATION F53-R
DUME CREEK at Pacific Coast Highway

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

DRAINAGE AREA: 8.8 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937, NOVEMBER 3, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 705 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 16 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1930-63
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 2750 SECOND-FEET, DECEMBER 31, 1933.
MINIMUM NO FLOW MOST YEARS.

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

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

74D14M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Pacific Coast Highway (Formerly Roosevelt Highway), for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0	0	0.2	0	+	e 0.10	e 0.12	e 0.10	+
2	0	0	0.5	0	0	0	0		0.10	0.11	0.10	
3	0	0	0	0	0	0	0		0.10	0.11	0.10	
4	0	0	0	0	0	0	0		0.10	0.11	0.10	
5	0	0	0	0	0	0	0		0.10	0.11	0.10	
6	0	0	0	0	0	5.2	0		0.10	0.11	0.11	
7	0	0	0	0	0	1.8	0		0.29	0.11	0.11	
8	0	0	0	0	92	0.2	0		0.20	0.10	0.11	
9	0	0	0	0	111	+	0		0.16	0.10	0.11	
10	0	0	0	0	455	+	0		0.16	0.09	0.11	+
11	0	0	0	0	185	0	0	+	0.16	0.09	0.11	0
12	0	0	0	0	84	0	0	e 0.05	0.16	0.09	0.11	0
13	0	0	0	0	f 28	0	0	0.06	0.16	0.09	0.11	0
14	0	0	0	0	b 6.5	0	0	0.07	0.16	0.09	0.11	0
15	0	0	0	0	126	0	+	0.08	0.16	0.09	e 0.10	0
16	0	0	0	0	f 47	0		0.09	0.17	0.09	+	0
17	0	0	0	0	f 22	0		0.10	0.18	0.09		0
18	0	0	0	0	11	0		0.10	0.19	0.09		0
19	0	0	0	0	f101	0		0.09	0.20	0.09		0
20	0	0	0	0.1	f 34	0		0.09	0.21	0.09		0
21	0	0	0	0	20	0		0.08	0.21	0.09		0
22	0	0	0	2.1	13	0		0.08	0.20	0.09		0
23	0	0	0	1.9	7.5	0		0.07	0.19	0.09		0
24	0	0	0	0	7.5	0		0.07	0.18	0.09		0
25	0	0	0	0	7.5	0		0.07	0.16	0.09		0
26	0	0	0	0	6.5	0		0.07	0.15	0.09		0
27	0	0	0	0	f 6.5	0		0.08	0.13	0.09		0
28	0	0	0	0	b 2.5	0		0.08	0.12	0.09		0
29	0	0	0	0		0		0.09	0.12	0.09		0
30	0	0	0	0		0	+	0.09	e 0.12	0.10		0
31	0		0	0		0		e 0.10		e 0.10	+	
	0	0	0.6	4.1	1373.5	7.4	+	1.61	4.74	2.98	+	+
MEAN	0	0	0.02	0.13	49.05	0.24	+	0.05	0.16	0.10	0.06	+
ACRE-FEET	0	0	1.2	8.1	2720.	15.	+	3.2	9.4	5.9	3.7	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.83
ACRE-FEET 2770.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

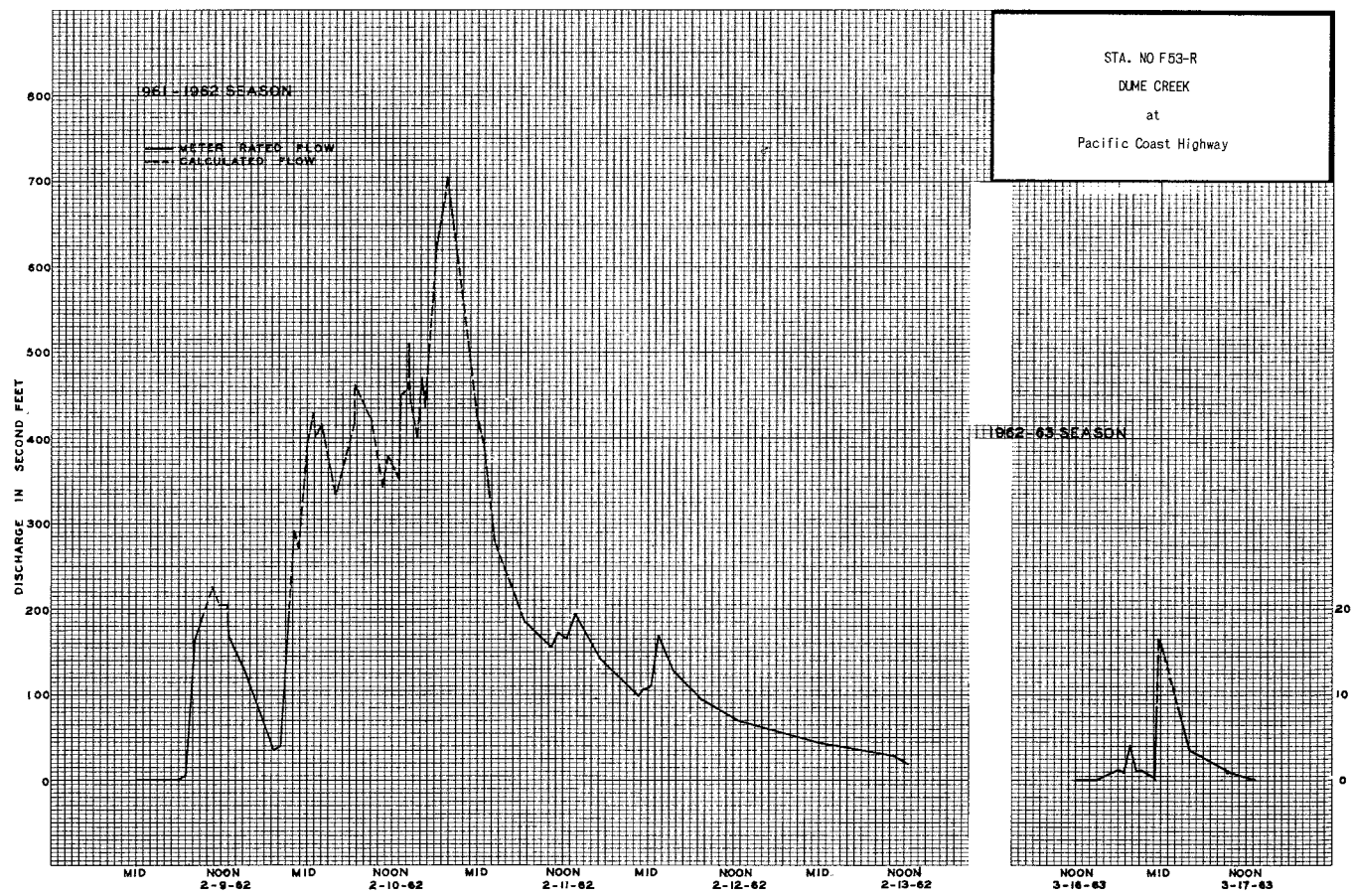
Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Pacific Coast Highway, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0.1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	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	0.8	0	0	0	0	0	0
17	0	0	0	0	0	2.3	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	0.1
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	0.1	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	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	3.7	0.1	0.1	0	0	0	0.1
MEAN	0	0	0	0	0	0.12	+	+	0	0	0	+
ACRE-FEET	0	0	0	0	0	7.3	0.2	0.2	0	0	0	0.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 7.9



STATION U2-R
EATON CREEK above Mouth of Canyon

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

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1918 TO SEPTEMBER 30, 1963.

AVERAGE DISCHARGE: 45 YEARS, 2.08 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND DIVERSION 40 YEARS, 3.23 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 539 SECOND-FEET FEBRUARY 11. (GAGE HEIGHT 3.90 FEET)
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 158 SECOND-FEET FEBRUARY 9. (GAGE HEIGHT 2.85 FEET)
MINIMUM NO FLOW MOST OF YEAR.
1918-63
MAXIMUM 2400 SECOND-FEET MARCH 2, 1938 FROM RECORD OF INFLOW TO EATON FLOOD CONTROL RESERVOIR.
MINIMUM NO FLOW FOR SOME PERIODS IN EACH YEAR.

REMARKS: RECORDS FAIR. RECORDS DO NOT INCLUDE WATER DIVERTED ABOVE STATION BY CITY OF PASADENA.

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

7607-6M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon, for the year ending September 30, 19 62

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	1.1	0	0	0.5	0	0	0	0	0	0
3	0	0	4.8	0	0	0.5	0	0	0	0	0	0
4	0	0	1.0	0	0	0.5	0	0	0	0	0	0
5	0	0	0.2	0	0	0.5	0	0	0	0	0	0
6	0	0	0	0	0	6.9	0	0	0	0	0	0
7	0	0	0	0	0	3.9	0	0	0	0	0	0
8	0	0	0	0	14	0.6	0	0	0	0	0	0
9	0	0	0	0	2.9	0.8	0	0.2	0	0	0	0
10	0	0	0	0	3.7	1.2	0	0	0	0	0	0
11	0	0	0	0	203	0.7	0	0.1	0	0	0	0
12	0	0	0	0	84	0.3	0	0	0	0.1	0	0
13	0	0	0	0	37	0	0	0	0	0	0	0
14	0	0	0	0	22	0	0	0.8	0	0	0	0
15	0	0	0	0	26	0	0	0.8	0	0	0	0
16	0	0	0	0	21	0	0	0	0	0	0	0
17	0	0	0	0	15	0	0	0	0	0	0	0
18	0	0	0	0	12	0.2	0	0	0	0	0	0
19	0	0	0	0	25	0.3	0	0	0	0	0	0
20	0	0	0	1.1	19	0	0	0	0	0	0	0
21	0	0	0	2.9	13	0	0	0	0	0	0	0
22	0	0	0	4.1	9.7	0.3	0	0	0	0	0	0
23	0	0	0	3.2	8.1	0.8	0	0	0	0	0	0
24	0	0	0	0.6	8.2	0	0	0	0	0	0	0
25	0	0	0	0.8	4.8	0	0	0	0	0	0	0
26	0	0	0	0.6	1.0	0	0	0	0	0	0	0
27	0	0	0	0	1.0	0	0	0	0	0	0	0
28	0	0	0	0	1.0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	17.0	23.2	590.8	18.5	0	1.9	0	0.1	0	0
MEAN	0	0	0.55	0.75	21.1	0.60	0	0.06	0	0.003	0	0
ACRE-FEET	0	0	34.	46.	1170.	37.	0	3.8	0	0.2	0	0

Remarks:

YEAR OR PERIOD MEAN 1.78
ACRE-FEET 1290.

7437M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	.1	0	0	0	0	0
2	0	0	0	0	0	0	.4	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	25	0	0	0	0	0	0	0
10	0	0	0	0	30	0	0	0	0	0	0	0
11	0	0	0	0	3.6	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	.7	0	0	0	0	0	0	0
14	0	0	0	0	1.6	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	1.1	0	0	0	0	0	0
17	0	0	0	0	0	.7	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	1.0	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	2.0	0	0	0	0	0
27	0	0	0	0	0	0	1.3	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
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	60.9	1.8	6.2	0	0	0	0	0
MEAN	0	0	0	0	2.18	0.06	0.21	0	0	0	0	0
ACRE-FEET	0	0	0	0	121.	3.6	12.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.19
ACRE-FEET 137.

STATION F271-R
EATON WASH below Eaton Wash Dam

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

DRAINAGE AREA: 9.5 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 204 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW MOST OF YEAR
1962-63
MAXIMUM 31 SECOND-FEET MAY 10.
MINIMUM NO FLOW MOST OF YEAR.
1940-63
MAXIMUM 1080 SECOND-FEET, JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

74D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F271-R

Daily discharge, in second-feet of EATON WASH below Eaton Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	0.1	+	0	0	+	0	0
2	0	0	+	0	0	0.1		0	0		0	0
3	0	0	0	0	0	0.1		0	0		0	0
4	0	0	0	0	0	0.1		0	0		0	0
5	0	0	0	0	0	0.1		0	0		0	0
6	0	0	0	0	0	0.1		0	0		0	0
7	0	0	0	0	0	0.1		0	0		0	0
8	0	0	0	0	+	0.1		0	0		+	0
9	0	0	+	0	3.9	0.1		0	0			0
10	0	0		0	21	0.1	+	0	0			0
11	0	0		0	130	+		0	0			0
12	0	0		0	204			0	0			0
13	0	0		0	103			0	0			0
14	0	0		0	28			0	+		+	0
15	0	0		0	16.0			0			0	0
16	0	0		0	16.0			0			0	0
17	0	0		0	16.0			0			0	0
18	0	0		0	16.0			0			0	0
19	0	0		0	6.4			0			0	0
20	0	+		+	8.3			0			0	0
21	0		+		7.2			0	3.3		0	0
22	0		+		9.1			0	0		0	0
23	0		0		10.0			0	0		+	0
24	0		0		+			0	0			0
25	0		0		+			0	0			0
26	0		0		15.6			0	0			0
27	0		0		23			0	0			0
28	0		0	+	17.3			0	0			0
29	0		0	0				0	0		+	0
30	0	+	0	0				0	0	+	0	0
31	0		0	0		+		0	0	+	0	
	0		+		650.8		+		+		+	
		+		+		1.0		3.3		+		0
MEAN	0	+	+	+	23.2	0.03	+	0.09	+	+	+	0
ACRE-FEET	0	+	+	+	1290.	2.0	+	6.6	+	+	+	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.79
ACRE-FEET 1300.

74D74M Gb 11-59

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, 19 63

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
10	0	0	0	0		0	0	8.6	0	0	0	0
11	0	0	0	0		0	0	0	0	0	0	0
12	0	0	0	0		0	0	0	0	0	0	0
13	0	0	0	0		0	0	0	0	0	0	0
14	0	0	0	0		0	0	0	0	0	0	0
15	0	0	0	0		0	0	0	0	0	0	0
16	0	0	0	0	+	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	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				8.6		0		0
MEAN	0	0	0	0	+	0	0	0.28	0	0	0	0
ACRE-FEET	0	0	0	0	+	0	0	17.	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.02
ACRE-FEET 17.

STATION F318-R
EATON WASH at Loftus Drive

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

DRAINAGE AREA: 19.9 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: PARTIALLY REGULATED BY EATON DAM.

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

RECORDS AVAILABLE: AT STATION F104-R, ELLIS LANE, FROM OCTOBER 1, 1930 TO DECEMBER 27, 1930; AT STATION F104B-R, BROADWAY, FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931; AT STATION F104-R, ELLIS LANE, FROM NOVEMBER 10, 1931 TO MAY 4, 1955, (REMOVED FOR CHANNEL CONSTRUCTION); AT STATION F318-R, LOFTUS DRIVE, FROM FEBRUARY 23, 1956 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1950 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 1230 SECOND-FEET FEBRUARY 9.
MINIMUM 0.3 SECOND-FOOT AT VARIOUS TIMES.
1930-63
MAXIMUM 3480 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW PART OF MOST YEARS.

ACCURACY: GOOD.

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

EDITION C&S 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.2	26	0.4	0.3	0.4	0.3	1.8	0.4	0.4	2.4	0.6
2	0.4	0.4	241	0.4	0.4	0.4	0.3	1.2	0.4	1.5	2.7	0.5
3	1.5	0.4	9.0	0.5	1.5	0.4	0.4	1.5	0.3	1.5	1.8	0.4
4	1.2	0.3	4.3	0.4	2.4	0.4	0.3	1.5	0.4	0.4	0.9	2.4
5	0.9	0.3	4.4	0.4	2.4	0.4	1.5	0.4	0.5	1.2	0.6	2.7
6	1.2	0.4	0.4	0.4	2.4	79	2.7	0.4	2.1	1.5	1.5	2.4
7	1.8	0.6	0.4	0.4	29	1.2	2.4	1.5	5.7	0.6	1.8	2.4
8	1.8	0.4	0.4	0.6	263	0.5	1.2	1.2	5.0	0.4	2.4	1.2
9	0.5	0.5	1.8	1.2	163	6.4	1.2	1.5	0.4	1.5	2.7	0.4
10	0.3	0.4	0.4	1.2	161	0.3	1.2	1.5	0.3	2.1	2.4	1.8
11	0.4	0.3	0.4	1.2	598	0.2	2.7	1.2	1.8	2.4	1.2	2.7
12	1.8	0.2	0.4	a 25	116	0.3	3.3	0.3	4.3	2.4	0.9	2.1
13	2.1	0.3	0.4	3.0	3.6	0.3	3.0	0.2	4.3	2.7	2.1	2.4
14	3.3	0.2	10.2	0.4	10.5	0.2	4.3	29	4.3	0.9	2.7	2.4
15	3.0	0.2	0.4	0.6	189	0.3	3.6	0.4	5.0	0.9	2.7	1.5
16	3.3	0.2	0.2	0.8	64	0.4	4.3	25	5.0	1.5	2.4	0.5
17	3.6	0.3	0.2	a 0.6	3.6	0.3	2.7	0.5	5.7	2.4	3.0	1.8
18	3.0	0.2	0.3	0.4	3.0	17.0	1.5	1.2	6.4	1.8	1.8	3.0
19	2.7	0.2	0.2	0.6	239	4.8	0.5	0.3	3.0	2.1	1.5	2.4
20	2.4	180	0.2	217	110	7.3	1.5	0.3	1.2	2.7	3.0	2.4
21	0.9	0.6	0.3	19.6	6.8	0.4	1.2	0.9	1.5	1.2	2.4	2.1
22	0.3	0.5	0.3	91	0.4	8.4	0.5	1.2	1.2	0.9	2.7	0.9
23	0.9	0.5	0.2	0.9	0.3	0.4	1.5	1.2	0.4	2.1	2.7	0.4
24	1.2	0.4	0.2	0.4	7.3	0.3	2.1	1.5	0.4	2.4	2.7	1.8
25	2.1	55	0.2	0.4	1.7	0.3	1.2	1.2	1.2	2.4	2.1	2.7
26	2.1	6.9	0.3	0.3	1.9	0.4	0.6	0.4	1.5	2.1	0.5	2.7
27	0.6	0.4	0.3	0.2	0.4	0.3	1.2	0.4	1.2	2.4	2.1	2.7
28	0.3	0.4	0.4	0.2	0.4	0.4	0.4	1.2	1.5	1.8	2.7	2.1
29	0.3	0.9	0.3	0.4		0.3	0.4	0.9	1.2	1.2	2.4	0.6
30	0.4	17.8	0.3	0.4		0.4	1.5	0.3	0.3	2.1	2.7	0.5
31	0.1		0.3	0.3		0.3		0.3		2.4	2.7	
	44.7	304.1		19813		495		669		662		
	2694		3696		1324		804		519		525	
MEAN	1.44	8.99	9.80	11.9	70.8	4.27	1.65	2.59	2.23	1.67	2.14	1.75
ACRE-FEET	89.	534.	603.	733.	3930.	263.	98.	159.	133.	103.	131.	104.

Remarks:

YEAR OR PERIOD MEAN 9.50
ACRE-FEET 6880.

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

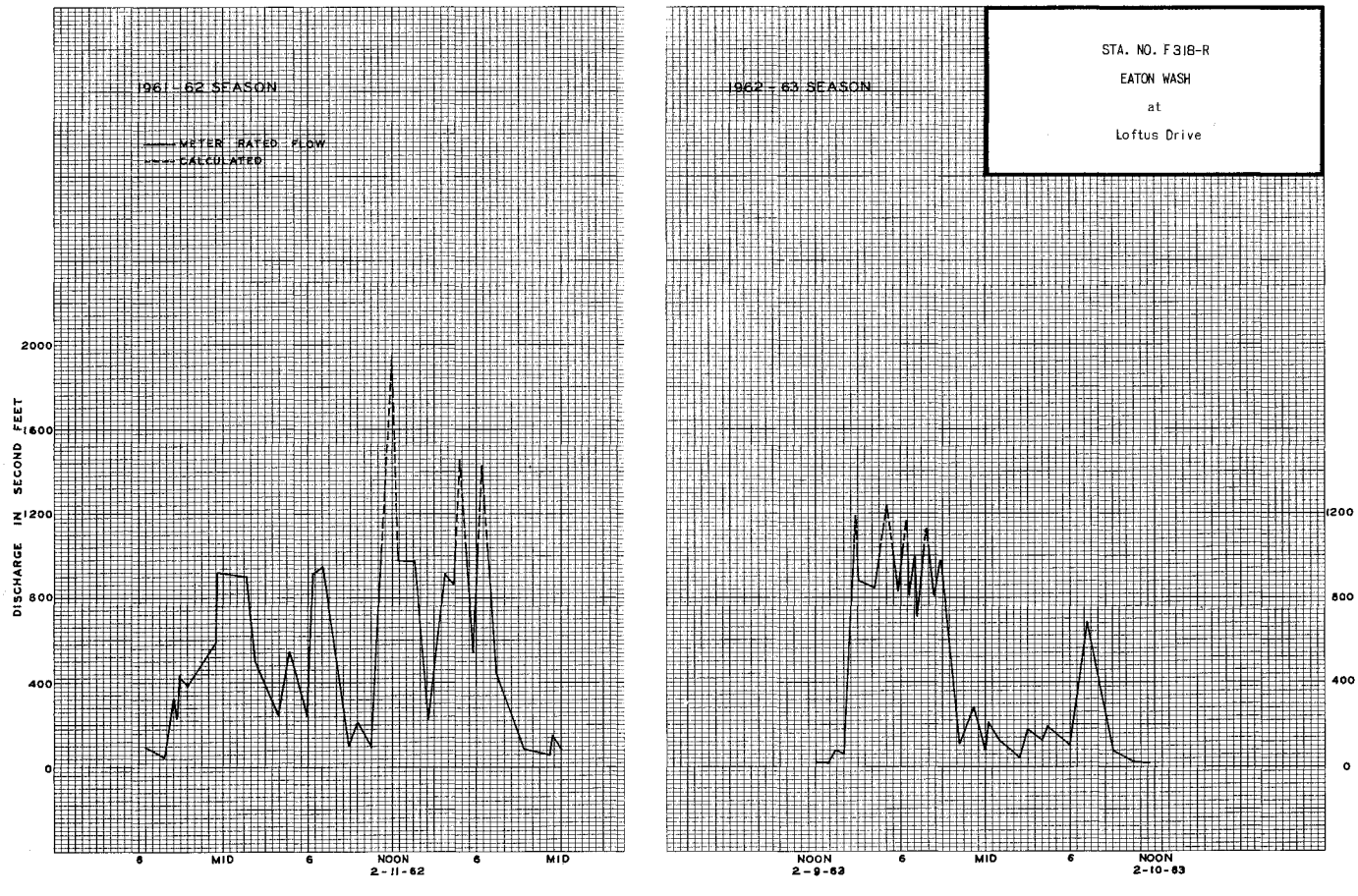
Sta. No. F318-R

Daily discharge, in second-feet of EATON WASH at Loftus Drive, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	1.8	0.5	0.4	6.7	1.5	4.1	0.4	0.4	1.5	2.1	0.9
2	1.5	1.2	0.4	0.4	0.4	0.4	0.4	0.6	0.3	1.8	1.5	1.2
3	2.1	0.4	0.4	0.4	0.4	0.3	1.2	0.4	0.5	1.5	0.9	4.3
4	6.2	0.4	0.4	0.4	0.9	0.3	0.6	0.4	0.4	0.4	0.4	57
5	1.2	0.4	0.6	0.4	1.5	1.2	0.9	0.4	0.6	1.5	1.5	3.6
6	0.5	0.4	1.5	0.5	0.4	0.4	0.4	0.9	1.2	0.4	2.4	5.0
7	0.4	1.2	1.2	0.4	0.5	0.3	0.4	0.9	0.9	0.4	2.4	5.0
8	0.6	1.8	0.4	1.2	0.4	0.3	1.2	1.2	0.4	1.2	3.0	5.0
9	1.5	1.5	0.4	3.3	311	0.4	0.4	1.2	0.4	1.5	3.0	5.0
10	1.8	0.5	0.5	4.7	94	0.3	0.5	0.9	3.1	1.8	3.0	4.3
11	1.5	0.4	0.4	0.4	0.5	0.6	0.4	0.4	11.3	1.5	3.0	4.3
12	3.0	0.4	1.5	0.3	0.4	1.2	0.6	0.4	0.4	1.5	3.0	5.7
13	1.5	0.4	0.9	0.3	0.6	0.5	0.4	1.2	6.5	0.6	3.0	5.0
14	7.6	0.6	0.4	0.3	77	0.4	45	0.9	1.2	0.4	3.0	5.0
15	1.2	0.4	0.4	0.4	1.5	6.6	5.0	1.2	0.3	1.5	3.0	5.0
16	0.5	0.4	0.3	0.4	0.4	105	0.4	1.2	0.3	2.7	3.0	5.0
17	0.4	0.4	0.9	0.4	0.4	11.6	4.1	1.8	1.5	1.5	2.4	57
18	1.8	0.3	0.4	0.4	0.4	0.4	0.4	0.4	1.5	1.5	3.0	54
19	1.2	0.4	0.5	0.4	0.4	0.3	0.4	0.4	1.5	1.8	3.0	31
20	0.5	0.5	1.5	0.4	0.4	0.5	29	0.6	0.9	1.5	3.0	3.0
21	0.6	0.4	0.9	0.4	0.3	0.6	9.7	0.9	0.5	0.4	3.0	3.3
22	1.5	0.4	0.4	0.4	0.6	0.4	0.4	1.2	0.3	1.8	3.3	1.2
23	1.2	0.5	0.4	0.4	0.4	10.2	0.5	1.5	0.3	1.5	3.3	2.4
24	0.4	0.4	0.4	0.5	0.3	0.3	1.2	0.5	1.2	1.5	3.3	3.0
25	0.5	0.4	0.3	0.4	0.6	0.4	2.6	0.4	1.5	1.8	2.1	3.0
26	0.4	0.6	0.3	0.4	1.2	0.4	93	0.3	1.2	1.5	3.3	3.3
27	0.4	0.4	0.9	0.4	1.2	0.5	0.4	0.4	1.2	1.2	3.0	3.3
28	0.4	0.4	0.9	0.4	1.5	39	0.4	0.4	1.5	0.4	3.0	3.0
29	1.2	0.4	0.4	0.4		0.5	1.2	0.9	0.4	1.5	3.0	3.0
30	1.8	1.2	0.3	0.4		0.4	1.5	0.4	0.4	1.8	3.3	2.7
31	1.5		0.3	21		0.4		0.4		1.5	1.2	
	46.4	18.9	19.0	40.7	504.3	185.6	206.9	23.1	42.1	41.4	81.4	294.5
MEAN	1.50	0.63	0.61	1.31	18.0	5.98	6.90	0.74	1.40	1.34	2.62	9.82
ACRE-FEET	92.	37.	38.	81.	1000.	368.	410.	46.	84.	82.	161.	584.

Remarks:

YEAR OR PERIOD MEAN 4.12
YEAR OR PERIOD ACRE-FEET 2980.



STATION F296-R
EVEY CANYON CREEK at Camp Baldy Road

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

DRAINAGE AREA: 1.53 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE

DIVERSIONS: NONE

RECORDS AVAILABLE: MEASUREMENTS FROM OCTOBER 21, 1948, CONTINUOUS RECORD FROM DECEMBER 17, 1956 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM NOT DETERMINED DUE TO LOSS OF COMMUNICATION.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 4.0 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW VARIOUS DAYS.
1957-63
MAXIMUM 32 SECOND-FEET FEBRUARY 11, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

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

7ED74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON CREEK at Camp Baldy Road, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	d 0.1	+	b 0.1	d 0.2	d 0.1	+	d 0.1	+	+	0
2	0		v 1.3		0.1	0.2	0.1		0.1			0
3	0		d 0.1		0.1	0.2	0.1		0.1			0
4	0		0.1		0.1	0.2	0.1		0.1			0
5	0		0.1	+	0.1	0.2	0.1		0.1			0
6	0		0.1	0	0.1	0.4	0.1		0.1			0
7	0		0.1	0	b 0.1	0.4	0.1		0.1			0
8	0		0.1	0	v 1.5	0.3	0.1		0.1			0
9	0		0.1	0	2.3	0.3	0.1		0.1			0
10	0		0.1	0	1.8	0.3	0.1		0.1			0
11	0		0.1	0	4.4	0.5	0.1		0.1			0
12	0		0.1	+	3.1	0.3	0.1		0.1			0
13	+		0.1	+	5.2	0.2	0.1		0.1			0
14	0		0.2	0	5.3	0.2	0.1		0.1			0
15	+		d 0.1	0	1.0	0.2	0.1	+	0.1			0
16		+		0	0.5	0.2	0.1	v 0.2	d 0.1			0
17				+	6.7	0.2	0.1	a 0.1	+			0
18	+			+	1.9	0.2	0.1	0.1				0
19	0	+		+	v 1.9	0.2	0.1	0.1				0
20	0	d 9.4		v 1.6	b 1.0	0.2	0.1	0.1				0
21	0	0.2		d 0.3	1.0	0.2	0.1	0.1				0
22	0	0.1		0.3	1.0	d 0.2	0.1	+				0
23	0	0.1		0.2	1.0	v 0.7	0.1				+	0
24	0	d 0.1		0.2	0.9	d 0.4	0.1				0	0
25	0	1.0		0.2	0.9	0.2	0.1				0	0
26	0	d 0.2		0.2	0.8	0.2	0.1	+			0	0
27	+	0.1		0.2	0.8	0.2	0.1	0.1			0	0
28		0.1		0.2	b 0.7	0.2	0.1	a 0.1			0	0
29		0.1		0.1		0.2	d 0.1	d 0.1			0	0
30		d 0.1		0.1		0.2	d 0.1	d 0.1	+		0	0
31	+		+	d 0.1		d 0.2		d 0.1		+	0	
	+	11.5	14.5	18.1	226.2	7.8	3.0	1.2	1.6	+	+	0
MEAN	+	0.38	0.47	0.58	8.1	0.25	0.1	0.04	0.05	+	+	0
ACRE-FEET	+	22.	29.	36.	449.	15.5	6.0	2.4	3.2	+	+	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.75
ACRE-FEET 543.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F296-R

Daily discharge, in second-feet of EVEY CANYON CREEK at Camp Baldy Road, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.01	0.03	0.02	0.04	0.02	0.02	0.03	0.03	0.02	0	0
2	0.02	0.01	0.03	0.02	0.04	0.02	0.02	0.03	0.03	0.02	0	0
3	0.02	0.01	0.03	0.02	0.04	0.02	0.01	0.03	0.03	0.02	0	0
4	0.02	0.01	0.03	0.02	0.03	0.02	0.01	0.03	0.04	0.02	0	0
5	0.02	0.01	0.03	0.02	0.03	0.02	0.01	0.03	0.04	0.02	0	0
6	0.02	0.01	0.03	0.02	0.03	0.02	0.01	0.03	0.04	0.02	0	0
7	0.02	0.01	0.03	0.02	0.03	0.02	0.01	0.03	0.04	0.02	0	0
8	0.02	0.01	0.03	0.02	0.03	0.02	0.02	0.03	0.04	0.01	0	0
9	0.02	0.01	0.03	0.06	0.3	0.02	0.02	0.03	0.04	0.01	0	0
10	0.02	0.01	0.02	0.09	1.0	0.02	0.03	0.03	0.03	0.01	0	0
11	0.02	0.01	0.02	0.07	0.6	0.02	0.03	0.03	0.03	0.01	0	0
12	0.02	0.01	0.02	0.05	0.3	0.02	0.03	0.03	0.03	+	0	0
13	0.02	0.01	0.02	0.05	0.3	0.02	0.03	0.03	0.03	|	0	0
14	0.02	0.01	0.02	0.04	0.2	0.02	0.08	0.03	0.03	|	0	0
15	0.03	0.01	0.02	0.03	0.08	0.04	0.04	0.03	0.03	|	0	0
16	0.03	0.01	0.02	0.01	0.08	0.2	0.04	0.03	0.03	+	0	0
17	0.03	0.01	0.01	0.01	0.08	0.3	0.04	0.03	0.02	0	0	0.04
18	0.03	0.01	0.01	0.01	0.08	0.08	0.04	0.03	0.02	0	0	0.02
19	0.03	0.01	0.01	0.01	0.08	0.03	0.04	0.03	0.02	0	0	0
20	0.02	0.01	0.01	0.01	0.08	0.02	0.2	0.04	0.02	0	0	0
21	0.02	0.01	0.01	0.01	0.04	0.02	0.08	0.04	0.02	0	0	0
22	0.01	0.01	0.01	0.02	0.04	0.02	0.09	0.04	0.02	0	0	0
23	0.01	0.01	0.01	0.02	0.03	0.02	0.04	0.04	0.02	0	0	0
24	0.01	0.01	0.02	0.02	0.03	0.02	0.04	0.04	0.02	0	0	0
25	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.02	0	0	0
26	0.01	0.02	0.02	0.02	0.02	0.03	0.2	0.03	0.02	0	0	0
27	0.01	0.02	0.02	0.02	0.02	0.04	0.03	0.03	0.02	0	0	0
28	0.01	0.03	0.02	0.03	0.02	0.5	0.03	0.02	0.02	0	0	0
29	0.01	0.03	0.02	0.03		0.03	0.03	0.02	0.02	0	0	0
30	0.01	0.03	0.02	0.03		0.02	0.03	0.02	0.02	0	0	0
31	0.01		0.02	0.1		0.02		0.02		0	0	
	0.57	0.38	0.64	0.92	3.68	1.70	1.33	0.95	0.82	0.18	0	0.06
MEAN	0.02	0.01	0.02	0.03	0.13	0.05	0.04	0.03	0.03	0.01	0	+
ACRE-FEET	1.1	0.8	1.3	1.8	7.3	3.4	2.6	1.9	1.6	0.4	0	0.1

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 22.

STATION U7-R
FISH CREEK above Mouth of Canyon

LOCATION: LAT. 34° 10' 00", LONG. 117° 55' 25". IN SW 1/4, SW 1/4, SW 1/4, SEC. 15, T.1N, R.10W, ON LEFT BANK. 0.8 MILE UPSTREAM FROM MOUTH OF CANYON AND THREE MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916; JULY 1917 TO SEPTEMBER 30, 1963.

AVERAGE DISCHARGE: 46 YEARS (1917-1961) 3.79 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 770 SECOND-FEET FEBRUARY 11. (GAGE HEIGHT 8.05 FEET)
MINIMUM NO FLOW OCTOBER 1 TO NOVEMBER 19.
1962-63
MAXIMUM 346 SECOND-FEET FEBRUARY 9. (GAGE HEIGHT 4.23 FEET)
MINIMUM NO FLOW SEPTEMBER 11 - 14.
1916-63
MAXIMUM DISCHARGE ABOUT 2100 SECOND-FEET, (REVISED) MARCH 2, 1938 AND JANUARY 23, 1943.
MINIMUM NO FLOW DURING PERIODS IN OCCASIONAL YEARS.

REMARKS: RECORDS GOOD. (POOR FROM DECEMBER 26 TO FEBRUARY 22, 1962.)
NO DIVERSIONS OR REGULATION ABOVE STATION.

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

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.5	0.6	1.5	14	4.7	2.7	2.1	1.0	0.6	0.5
2	0	0	11.3	0.6	1.5	13	4.7	2.6	2.1	1.0	0.6	0.4
3	0	0	3.0	0.6	1.5	13	4.7	2.5	2.1	1.0	0.7	0.4
4	0	0	2.0	0.6	1.2	12	4.6	2.3	2.1	1.0	0.7	0.4
5	0	0	1.5	0.6	1.2	11	4.4	2.2	2.1	1.0	0.8	0.4
6	0	0	1.5	0.5	1.2	14	4.4	2.1	2.1	1.0	0.8	0.4
7	0	0	1.0	0.4	1.7	10	4.4	2.0	2.1	1.0	0.8	0.4
8	0	0	1.0	0.3	4.3	9.5	4.4	2.0	2.1	1.0	0.8	0.5
9	0	0	1.0	0.3	7.7	9.0	4.4	2.0	2.0	1.0	0.7	0.6
10	0	0	1.0	0.3	6.3	8.7	4.4	2.0	2.0	1.0	0.7	0.5
11	0	0	0.9	0.3	47.2	8.6	4.2	2.0	2.1	1.0	0.8	0.5
12	0	0	0.9	0.6	15.0	8.2	4.1	2.1	2.1	1.0	0.8	0.5
13	0	0	0.8	0.5	6.0	8.0	3.9	2.2	2.2	1.3	0.8	0.5
14	0	0	1.0	0.5	5.0	7.8	3.8	2.7	2.2	1.3	0.8	0.5
15	0	0	1.2	0.5	7.0	7.6	3.6	3.0	2.3	1.3	0.8	0.5
16	0	0	1.0	0.4	5.7	7.6	3.5	3.5	2.3	1.1	0.7	0.5
17	0	0	0.7	0.4	5.2	7.3	3.5	2.9	1.8	1.1	0.7	0.5
18	0	0	0.5	0.3	3.0	7.6	3.3	2.6	1.2	1.0	0.7	0.5
19	0	0	0.3	0.3	4.0	7.6	3.3	2.6	1.1	0.9	0.6	0.4
20	0	5.1	0.4	4.3	5.0	7.6	3.3	2.7	1.2	0.8	0.6	0.4
21	0	1.7	0.3	3.6	4.0	7.1	3.2	2.7	1.3	0.7	0.5	0.4
22	0	0.3	0.2	1.3	3.0	7.8	3.2	2.6	1.3	0.6	0.6	0.4
23	0	0.3	0.2	5.0	2.8	6.3	3.0	2.6	1.2	0.6	0.6	0.4
24	0	0.2	0.2	3.0	2.7	5.7	3.0	2.6	1.2	0.7	0.6	0.4
25	0	5.0	0.2	3.4	2.2	5.5	3.4	2.5	1.1	0.8	0.5	0.4
26	0	3.2	0.2	3.1	1.8	5.3	3.0	2.5	1.0	0.8	0.5	0.5
27	0	0.5	0.3	2.6	1.6	5.1	2.9	2.5	1.0	0.7	0.5	0.5
28	0	0.4	0.4	1.9	1.5	5.1	2.9	2.5	1.0	0.7	0.5	0.6
29	0	0.4	0.5	1.9		5.1	2.9	2.3	1.0	0.7	0.5	0.6
30	0	0.7	0.6	1.7		4.9	2.9	2.2	1.0	0.6	0.5	0.5
31	0		0.6	1.7		4.9		2.1		0.6	0.5	
	0	17.8	136.9	125.1	1419.8	254.9	112.0	75.8	50.4	28.3	20.3	14.0
MEAN	0	0.59	4.42	4.04	50.7	8.22	3.73	2.45	1.68	0.91	0.65	0.47
ACRE-FEET	0	35.	272.	248.	2820.	506.	222.	150.	100.	56.	40.	28.

Remarks:

YEAR OR PERIOD MEAN 6.18
ACRE-FEET 4480.

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.5	.5	.7	.7	1.2	1.3	1.0	1.7	1.3	.6	.2	.1
2	.5	.5	.7	.7	.9	1.3	.9	1.7	1.3	.6	.2	.1
3	.6	.5	.7	.7	.8	1.3	.9	1.7	1.3	.6	.2	.1
4	.6	.6	.7	.6	.7	1.3	.9	1.7	1.2	.6	.2	.5
5	.6	.6	.7	.6	.7	1.2	.8	1.6	1.2	.6	.2	.4
6	.6	.6	.7	.7	.7	1.2	.8	1.5	1.2	.6	.2	.2
7	.6	.6	.6	.7	.6	1.2	.9	1.4	1.2	.6	.2	.2
8	.7	.5	.6	.7	.6	1.2	1.0	1.4	1.0	.6	.2	.1
9	.7	.5	.6	.9	5.8	1.2	1.0	1.3	1.0	.6	.2	.1
10	.6	.6	.6	1.5	7.1	1.2	1.1	1.3	1.1	.6	.2	.1
11	.6	.6	.6	.9	2.6	1.2	1.3	1.2	1.2	.5	.2	0
12	.6	.5	.7	.8	3.0	1.2	1.3	1.1	1.2	.5	.2	0
13	.6	.6	.7	.8	4.6	1.2	1.3	1.1	1.0	.5	.2	0
14	.6	.7	.7	.8	5.1	1.2	1.6	1.0	1.0	.5	.2	0
15	.6	.7	.7	.8	4.9	1.2	2.2	.9	.6	.5	.2	.1
16	.7	.7	.7	.8	4.1	2.8	1.3	.9	.9	.5	.2	.1
17	.6	.7	.7	.8	4.1	3.6	1.4	.9	.9	.5	.2	.6
18	.6	.7	.6	.8	2.1	2.9	1.3	.9	.6	.4	.2	2.2
19	.6	.7	.6	.8	1.7	2.3	1.3	.9	.9	.4	.2	2.0
20	.7	.7	.6	.8	2.3	2.1	2.3	1.0	.9	.4	.1	.9
21	.7	.7	.7	.8	1.7	1.6	5.3	1.0	1.0	.4	.1	.7
22	.6	.7	.7	.8	1.7	1.6	2.1	1.0	1.0	.4	.1	.5
23	.6	.7	.6	.8	1.6	1.8	1.8	1.0	.9	.4	.2	.5
24	.6	.7	.6	.8	1.6	1.4	1.5	1.0	.8	.3	.2	.5
25	.6	.7	.6	.8	1.5	1.3	1.2	1.1	.7	.3	.1	.4
26	.6	.7	.6	.8	1.4	1.3	4.3	1.2	.7	.3	.1	.3
27	.6	.7	.6	.8	1.4	1.2	2.5	1.2	.7	.3	.1	.2
28	.5	.7	.6	.8	1.3	2.0	2.2	1.2	.7	.3	.1	.2
29	.5	.7	.6	.8		1.4	1.8	1.2	.6	.3	.1	.2
30	.5	.7	.6	.8		1.2	1.7	1.2	.6	.2	.1	.2
31	.5		.7	1.5		1.0		1.3		.2	.1	
	20.4	19.1	22.3	25.8	181.9	48.4	49.2	37.6	29.3	14.1	5.2	11.5
MEAN	0.66	0.64	0.72	0.83	6.50	1.56	1.64	1.21	0.98	0.45	0.17	0.38
ACRE-FEET	40.	38.	44.	51.	361.	96.	98.	75.	58.	28.	10.	23.

Remarks:

YEAR OR PERIOD MEAN 1.27
ACRE-FEET 922.

STATION F287C-R
LA TUNA CREEK below Debris Basin

LOCATION: LAT. 34°14'12", LONG. 118°19'38", ON THE RIGHT (NORTHERLY) BANK APPROXIMATELY 900 FEET BELOW DEBRIS BASIN, AND 3.4 MILES NORTHEAST OF SUN VALLEY. ELEVATION OF ZERO GAGE HEIGHT 1091.58.

DRAINAGE AREA: 5.34 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE CHANNEL, 20 FEET WIDE AND 10 FEET DEEP. BOTTOM IS WARPED 0.7 FEET TOWARD STATION. CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOW MEASUREMENT MADE FROM STEEL FOOTBRIDGE 50 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSION: REGULATED BY LA TUNA DEBRIS BASIN.

RECORDS AVAILABLE: AT STATION F287-R MARCH 13, 1946 TO NOVEMBER 21, 1955.
AT STATION F287B-R - NOVEMBER 21, 1955 TO MAY 4, 1960.
AT STATION F287C-R - FEBRUARY 28, 1961 TO JUNE 25, 1963. STATION DISCONTINUED.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 86 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 61 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1946-63
MAXIMUM 656 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

THDT&M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F287B-R

Daily discharge, in second-feet of LA TUNA CREEK below Debris Basin, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	6.4	0	0	a 1.8	+	0				
2	0	0	9.4	0	0	1.6		0				
3	0	0	0.3	0	0	1.8		0				
4	0	0	0	0	0	1.8		0				
5	0	0	0	0	0	1.8	+	0				
6	0	0	0	0	0	a 1.8	0	0				
7	0	0	0	0	+	1.8	0	0				
8	0	0	0	0	4.2	2.0	0	0				
9	0	0	0	0	11.9	2.0	0	0				
10	0	0	0	0	3.6	1.8	0	0				
11	0	0	0	0	7.1	1.4	0	0				
12	0	0	0	0	5.3	1.0	0	0				
13	0	0	0	0	14.6	1.2	0	0				
14	0	0	0	0	4.9	1.2	0	0				
15	0	0	0	0	7.3	1.0	0	0				
16	0	0	0	0	8.0	1.0	0	+				
17	0	0	0	0	6.2	2.3	0					
18	0	0	0	0	5.3	1.8	0					
19	0	0	0	0	3.2	1.4	0					
20	0	0.2	0	4.4	11.5	0.6	0					
21	0	0	0	0.3	6.6	0.5	0					
22	0	0	0	4.2	4.5	0.7	0					
23	0	0	0	3.4	3.2	0.4	0					
24	0	0	0	0.3	3.2	0.3	0					
25	0	+	0	0.2	2.4	0.2	0					
26	0	0	0	0.1	2.0	0.1	0					
27	0	0	0	0.1	1.8	0.1	0					
28	0	0	0	0	1.8	0.2	0					
29	0	0	0	0		0.3	0					
30	0	0	0	0		+	0					
31	0		0	0		+						
	0	0.2	16.1	13.0	291.4	34.3	+	+	E 0	E 0	E 0	E 0
MEAN	0	+	0.52	0.42	10.4	1.11	+	+	E 0	E 0	E 0	E 0
ACRE-FEET	0	0.4	32.	26.	578.	68.	+	+	E 0	E. 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 704.

HDT-1M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 287C-R

Daily discharge, in second-feet of LA TUNA CANYON below Debris Basin, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	14.2	0	0	0				
10	0	0	0	0	12.3	0	0	0				
11	0	0	0	0	0.4	0	0	0				
12	0	0	0	0	0.1	0	0	0				
13	0	0	0	0	+	0	0	0				
14	0	0	0	0	0.4	0	+	0				
15	0	0	0	0	0.2	0	0	0				
16	0	0	0	0	0	6.3	0	0				
17	0	0	0	0	0	5.6	0	0				
18	0	0	0	0	0	0.1	0	0				
19	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	+	0				
21	0	0	0	0	0	0	0	0				
22	0	0	0	0	0	0	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	+	0				
26	0	0	0	0	0	0	0.7	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	+	0	0				
29	0	0	0	0		0	0	0				
30	0	0	0	0		0	0					
31	0		0	0.1		0						
	0	0	0	0.1	27.6	12.0	0.7	0	E 0	E 0	E 0	E 0
MEAN	0	0	0	+	0.99	0.39	0.02	0	E 0	E 0	E 0	E 0
ACRE-FEET	0	0	0	0.2	55.	24.	1.4	0	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

RECORD DISCONTINUED JUNE 25, 1963

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 81.

STATION F350-R
LIMEKILN CREEK above Aliso Creek

LOCATION: LAT. 34°13'49", LONG. 118°22'57", ON THE RIGHT (SOUTH) BANK 1600 FEET ABOVE ALISO CREEK AND ONE MILE WEST OF NORTHRIDGE. ELEVATION OF ZERO GAGE HEIGHT 800.37.

DRAINAGE AREA: 10.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR, CONCRETE, 24 FEET WIDE AND 11.5 FEET DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM A STEEL FOOTBRIDGE 10 FEET ABOVE THE GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 26, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: AT STATION F149-R AT DEVONSHIRE STREET, NOVEMBER 9, 1939 TO DECEMBER 26, 1961. (SEE REMARKS.)
AT STATION F350-R FROM DECEMBER 26, 1961 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 584 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 446 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1939-63
MAXIMUM 828 SECOND-FEET JANUARY 15, 1952. (STATION F149-R)
MINIMUM NO FLOW MOST OF EACH YEAR.

REMARKS: RECORDS FOR WATER-YEARS 1956-57 TO 1960-61 WERE NOT COMPUTED BECAUSE OF EXTREME SILTING CONDITIONS.

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

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F350-R

Daily discharge, in second-feet of LIMEKILN CREEK above Aliso Creek, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0	0	0	0				
2				0	0	0	0	0				
3				0	0	0	0	0				
4				0	0	0	0	0				
5				0	0	0	0	0				
6				0	0	4.1	0	0				
7				0	5.9	0	0	0				
8				0	9.0	0	0	0				
9				0	12.6	0.7	0	0				
10				0	12.6	0	0	0				
11				0	6.0	0	0	0				
12				0	4.3	0	0	0				
13				0	0	0	0	0				
14				0	0	0	0	0				
15				0	19.7	0	0	0				
16				0	1.3	0	0	1.0				
17				0	0	0	0	0				
18				0	0	1.3	0					
19				0	8.3	0	0					
20				7.8	2.1	1.2	0					
21				+	0	0	0					
22				16.4	0	+	0					
23				0	0	0	0					
24				0	0.7	0	0					
25				0	0	0	0					
26			0	0	0	0	0					
27			0	0	0	0	0					
28			0	0	0	0	0					
29			0	0		0	0					
30			0	0		0	0					
31			0	0		0						
	INC.	INC.	INC.	242	444.3	7.3	0	1.0	E 0	E 0	E 0	E 0
MEAN	INC.	INC.	INC.	0.78	15.9	0.24	0	0.03	E 0	E 0	E 0	E 0
ACRE-FEET	INC.	INC.	INC.	48.	881.	14.	0	2.0	E 0	E 0	E 0	E 0

RECORDER INSTALLED DECEMBER 26, 1961

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.38 INC.
ACRE-FEET 1000. INC.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F350-R

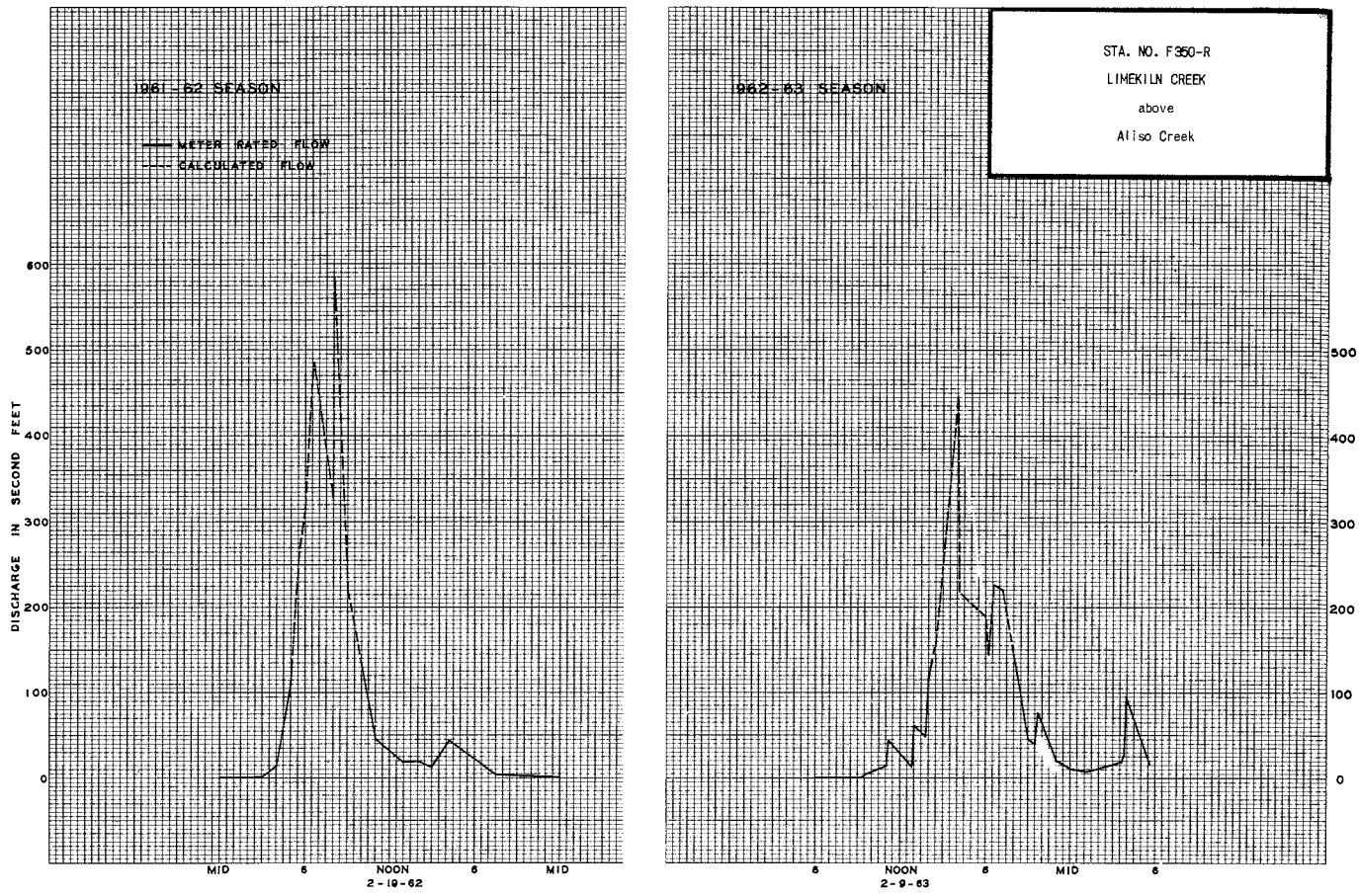
Daily discharge, in second-feet of LIMEKILN CREEK above Aliso Creek, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	1.5	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				a 3.0
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	7.5	+	0	0				0
10	0	0	0	0	18.0	0	0	0				0
11	0	0	0	0	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	+	0	0	0				0
14	0	0	0	0	7.6	0	2.5	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	33	0	0				0
17	0	0	0	0	0	e 0.8	0	0				0
18	0	0	0	0	0	0	0	0				0
19	0	0	0	0	0	0	0	0				0
20	0	0	0	0	0	0	0	0				0
21	0	0	0	0	0	0	0	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	e 0.1	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	3.6	0				0
26	0	0	0	0	0	0	5.2	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	0	14.4	0	0				0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	16		0						
	0	0	0	16.0	102.1	48.3	11.3	0	E 0	E 0	E 0	3.0
MEAN	0	0	0	0.52	3.65	1.56	0.38	0	E 0	E 0	E 0	0.1
ACRE-FEET	0	0	0	32.	203.	96.	22.	0	E 0	E 0	E 0	6.0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.50
ACRE-FEET 359.



STATION F65B-R
LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: LAT. 34°10'03", LONG. 117°50'15", ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 MILE ABOVE MOUTH OF CANYON AND ABOUT 2.6 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT 1334.38 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL WITH WIRE 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: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:
AT STATION F65-R - JANUARY 28, 1929 TO NOVEMBER 23, 1938.
AT STATION F65B-R - NOVEMBER 30, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1700 SECOND-FEET NOVEMBER 20.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 122 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-63
MAXIMUM 1700 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: GOOD.

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

74D74M Gib 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	+	0.1	2.0	b 1.2	0.3	0.2	+	+	0
2	0	0	70		0.1	2.0	b 1.1	0.3	0.2			0
3	0	0	0.1		0.1	1.9	1.0	0.3	0.2			0
4	0	0	0.1		0.1	a 1.9	0.8	0.3	0.2			0
5	0	0	+		0.1	a 1.9	0.7	0.3	0.2		+	0
6	0	0		+	0.1	3.4	0.7	0.3	0.2		0	0
7	0	0		0	0.3	2.8	0.6	0.3	0.2		0	0
8	0	0		0	8.3	1.8	c 0.6	0.3	0.2		0	0
9	0	0		0	12	2.0	0.6	0.3	0.2		0	0
10	0	0	+	0	7.7	1.5	0.6	0.3	0.2		0	0
11	0	0	0	+	50	1.7	0.6	0.3	0.2		0	0
12	0	0	0	0.1	32	1.7	c 0.6	0.3	0.2		0	0
13	0	0	0	0.1	23	1.6	0.5	0.3	0.2		0	0
14	0	0	+	+	4.7	1.3	0.5	0.4	0.2		0	0
15	0	0			17.2	1.3	0.5	0.5	0.2		0	0
16	0	0			15.1	1.3	0.4	1.1	0.2		0	0
17	0	0			9.7	1.3	0.4	0.5	0.1		0	0
18	0	0			7.5	1.4	0.4	0.5	0.1		0	0
19	0	0		+	13.1	1.5	0.4	b 0.4	0.1		0	0
20	0	58		50	7.6	1.4	0.4	b 0.4	0.1		0	0
21	0	0		1.9	8.2	1.4	0.3	0.4	0.1		0	0
22	0	0		1.6	6.5	3.1	0.3	0.4	+		0	0
23	0	0		1.0	7.1	2.7	0.2	0.3			0	0
24	0	0		0.9	4.7	2.1	0.2	0.3			0	0
25	0	+		1.0	5.1	1.4	0.2	0.3			0	0
26	0	0		0.8	4.5	1.5	0.2	0.3			0	0
27	0	0		0.6	2.7	b 1.4	0.2	0.3			0	0
28	0	0		0.4	2.4	1.4	0.2	0.3			0	0
29	0	0		0.3		1.4	0.3	0.3			0	0
30	0	+		0.2		1.3	0.3	0.3	+		0	0
31	0		+	0.2		b 1.2		0.3		+	0	
	0	58.0	70.3	59.1	250.2	54.6	15.0	11.2	3.7	+	+	0
MEAN	0	1.49	2.27	1.91	8.93	1.76	0.50	0.36	0.12	+	+	0
ACRE-FEET	0	115.	139.	117.	496.	108.	30.	22.	7.3	+	+	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.43
ACRE-FEET 1030.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

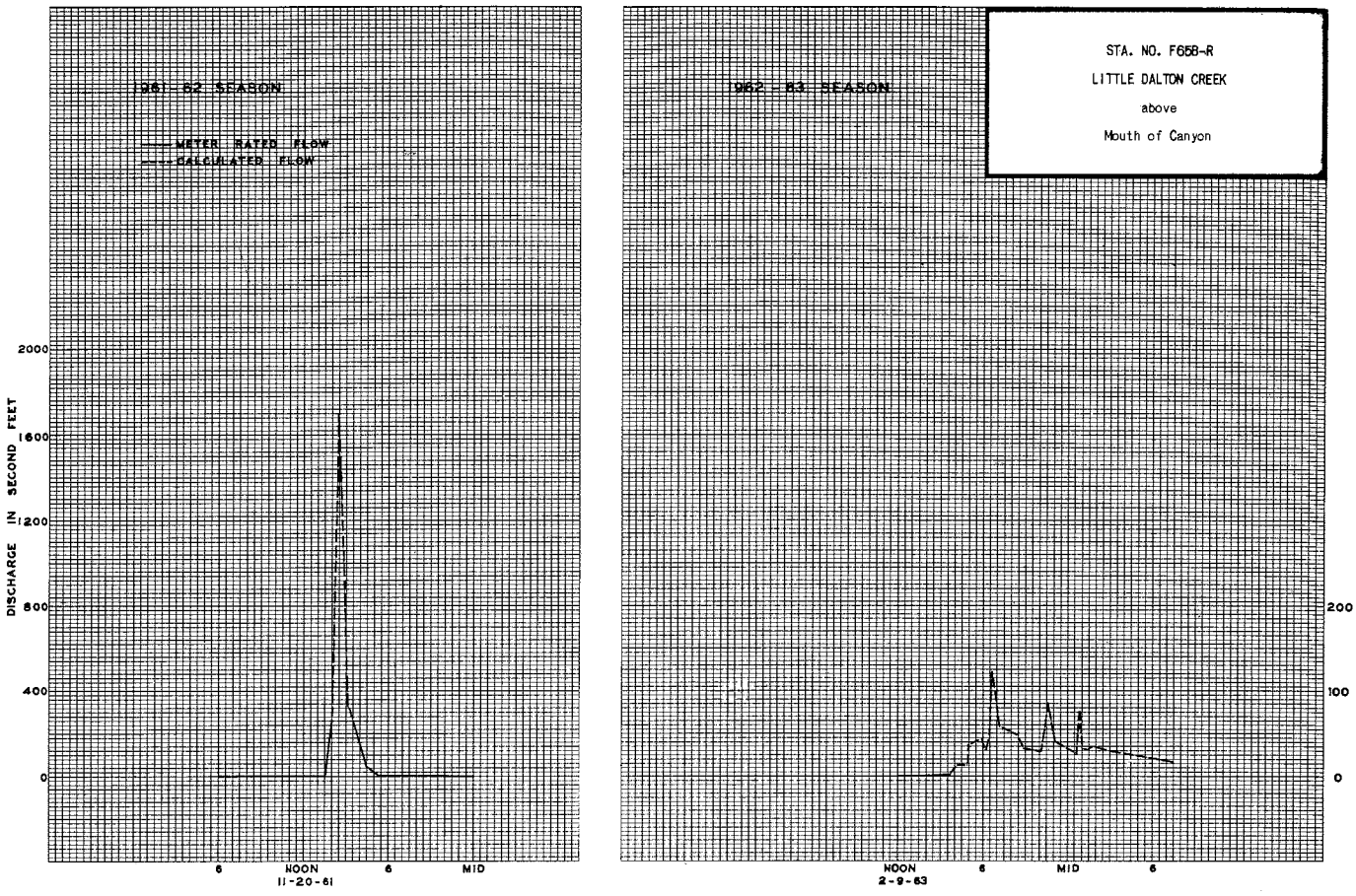
Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.1	0.2	+	+	0	0	0	0
2	0	0	0	0	+	0.1			0	0	0	0
3	0	0	0	0		0.1			0	0	0	0
4	0	0	0	0		+			0	0	0	0
5	0	0	0	0					0	0	0	0
6	0	0	0	0					0	0	0	0
7	0	0	0	0					0	0	0	0
8	0	0	0	0	+	+			0	0	0	0
9	0	0	0	+	15.0	0.1			0	0	0	0
10	0	0	0	0.1	14.0	0.1			0	0	0	0
11	0	0	0	+	4.4	+			0	0	0	0
12	0	0	0	+	0.9				0	0	0	0
13	0	0	0	+	0.6				0	0	0	0
14	0	0	0	0	0.9	+	+		0	0	0	0
15	0	0	0	0	0.3	1.4	0.2		0	0	0	0
16	0	0	0	0	0.3	2.7	0.1		0	0	0	0
17	0	0	0	+	0.3	0.9	0.2		0	0	0	0
18	0	0	0	+	0.2	0.4	+		0	0	0	0.1
19	0	0	0	0	0.2	0.3	+	+	0	0	0	0
20	0	0	0	0	0.2	0.1	0.2	0	0	0	0	0
21	0	0	0	0	0.2	+	0.6	+	0	0	0	0
22	0	0	0	0	0.2	+	0.4	0	0	0	0	0
23	0	0	0	0	0.1	0.2	0.3	0	0	0	0	0
24	0	0	0	0	0.2	0.1	0.3	0	0	0	0	0
25	0	0	0	0	0.2	0.1	+	0	0	0	0	0
26	0	0	0	0	0.2	0.1	1.1	0	0	0	0	0
27	0	0	0	0	0.2	+	0.2	0	0	0	0	0
28	0	0	0	0	0.1	0.4	0.1	0	0	0	0	0
29	0	0	0	0		0.1	0.1	0	0	0	0	0
30	0	0	0	0		+	+	0	0	0	0	0
31	0		0	0.1		+		0		0	0	
	0	0	0	0.2	38.8	7.4	3.6	+	0	0	0	0.1
MEAN	0	0	0	0.01	1.39	0.24	0.12	+	0	0	0	+
ACRE-FEET	0	0	0	0.4	77.	15.	7.1	+	0	0	0	0.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.14
ACRE-FEET 100.



STATION LI-R

LITTLE ROCK CREEK above Little Rock Dam

LOCATION: LAT. 34°27'50", LONG. 118°01'05", ON THE RIGHT (EAST) BANK ABOUT TWO MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND FIVE MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3290 FEET.

DRAINAGE AREA: 49.2 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3180 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 314 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW AT VARIOUS TIMES.
1930-63
MAXIMUM 17000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M Cfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. LI-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Creek, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	3.0	11	46	59	24	8.9	1.8	0.5	+
2	0	0	109	3.0	11	48	59	22	8.4	1.8	0.4	|
3	0	0	33	3.0	11	48	59	21	8.1 a	1.8	0.4	|
4	0	0	15	2.8	10	49	56	20	7.8	1.8	0.3	|
5	0	0	11	2.5	10	49	60	20	7.5	1.7	0.3	|
6	0	0	9.1	2.5	10	49	66	19	7.2	1.7	0.3	|
7	0	0	7.9	2.6	10	46	73	18	7.2	1.6	0.3	|
8	0	0	6.8	3.8	74	44	75	17	7.0	1.5	0.3	|
9	0	0	6.1	4.1	272	41	78	16	6.4	1.5	0.3	|
10	0	0	5.4	3.9	411	38	73	15	6.0	1.4	0.2	|
11	0	0	4.7	3.9	2060	36	68	15	5.7	1.4	0.2	|
12	0	0	4.1	3.8	922	37	64	14	5.5	1.3	0.2	|
13	0	0	3.8	3.8	304	39	61	15	5.3	1.3	0.2	|
14	0	0	3.6	3.4	165	38	58	15	5.5	1.2	0.2	|
15	0	0	3.8	3.0	180	38	56	16	6.2	1.2	0.2	|
16	0	0	3.4	3.0	155	36	54	16	5.7	1.1 b	0.2	|
17	0	0	3.2	3.0	116	35	52	15	5.3	1.1	0.2	|
18	0	0	3.2	2.8	95	37	52	14	4.9	1.0	0.2	|
19	0	0	3.2	2.8	95	37	49	13	4.4	0.9	0.2	|
20	0	0	3.4	4.9	80	34	47	13	4.2	0.8	0.1	|
21	0	0	3.4	6.8	74	31	43	12	3.8	0.8	0.1	|
22	0	0	3.2	4.9	70	30	39	11	3.4	0.7	0.1	|
23	0	0	3.6	4.7	66	30	35	11	3.2	0.7	0.1	|
24	0	0	3.6	4.9	66	31	33	11	2.9	0.6	0.1	|
25	0	0	3.6	4.7	58	34	32	11	2.7 a	0.6	0.1	|
26	0	0	3.6	5.4	49	48	30	11	2.7	0.6 b	0.1	|
27	0	0	3.4	5.6	44	56	29	11	2.3	0.6	+	|
28	0	0	3.4	7.2	43	59	28	11	2.2	0.6	|	|
29	0	0	3.4	8.4		59	27	11	2.0	0.5	|	|
30	0	0	3.2	9.6		61	25	10	1.8	0.5	|	+
31	0		3.0	10		57		9.5		0.5	+	
	0	0	277.1	137.8	5472.0	1321.0	1540.0	457.5	154.2	34.6	5.8	+
MEAN	0	0	8.94	4.44	195.	42.6	51.3	14.8	5.14	1.12	0.19	+
ACRE-FEET	0	0	550.	273.	10850.	2620.	3050.	907.	306.	69.	12.	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 25.8
ACRE-FEET 18,640.

76D74M Cfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

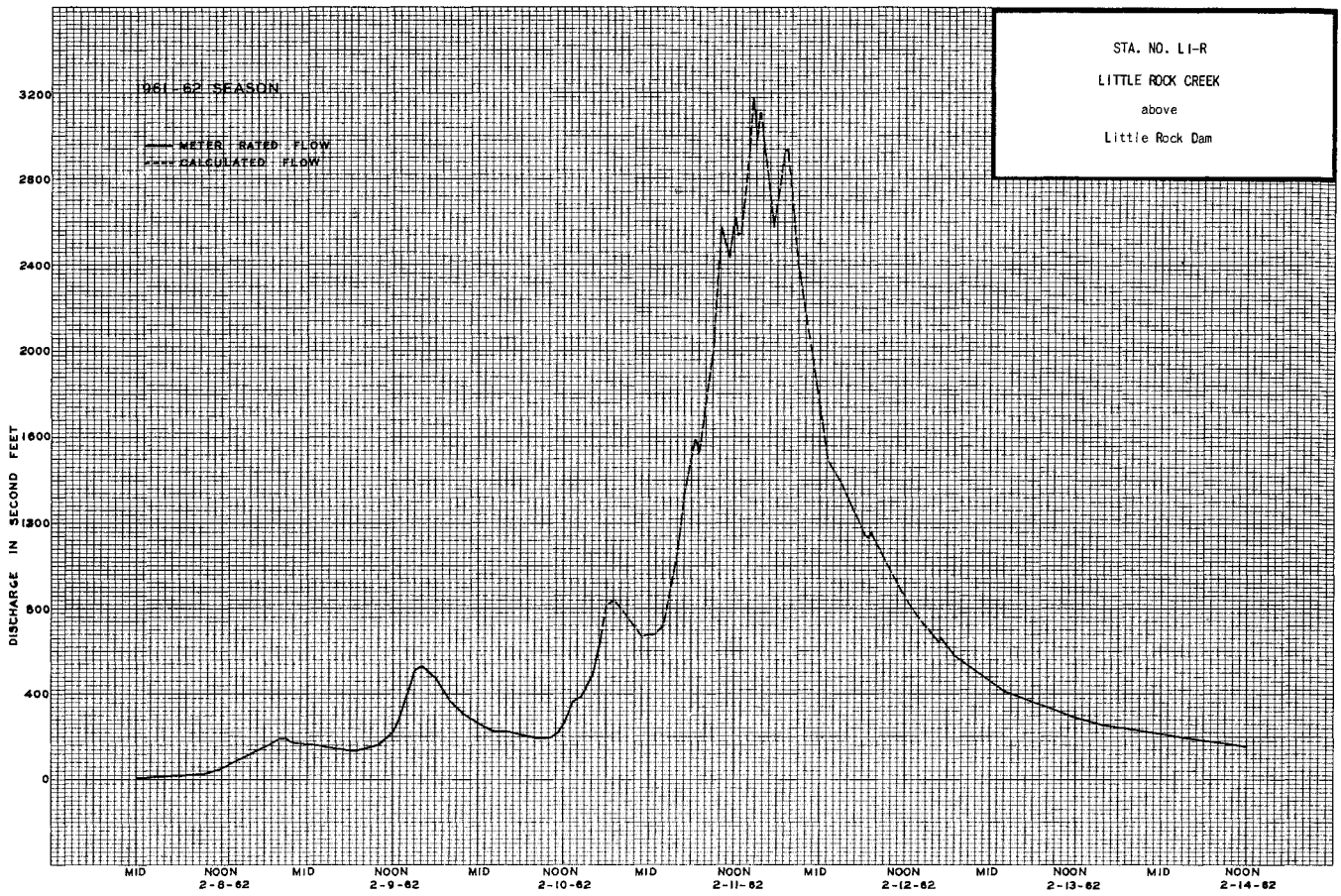
Sta. No. LI-R

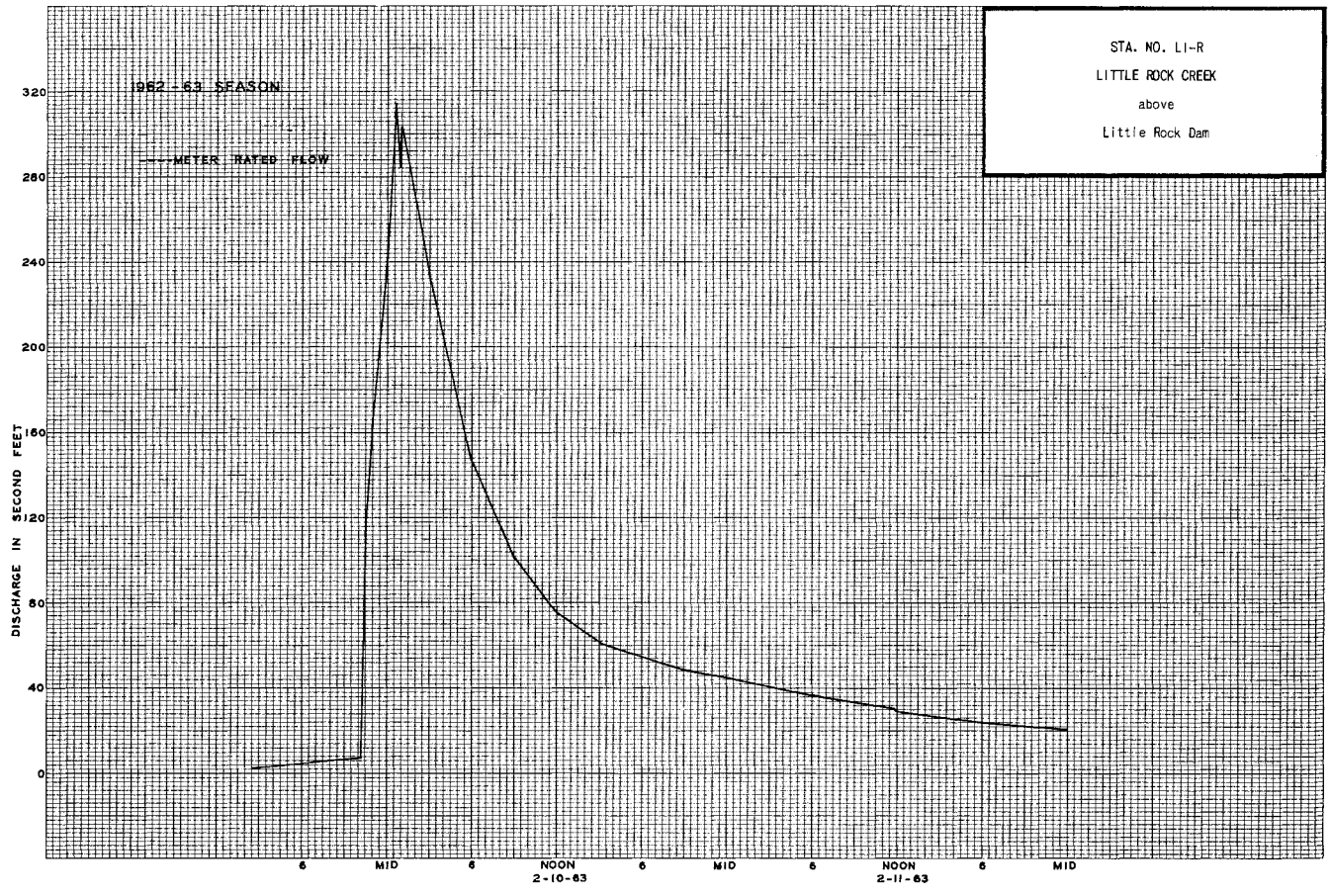
Daily discharge, in second-feet of LITTLE ROCK CREEK - above Little Rock Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	1.6	2.0	3.1	4.2	8.6	11	2.2	0.2	+	0
2	0	+	1.6	2.0	3.1	4.0	8.4	11	2.0	0.2	+	0
3	0	a 0.1	1.6	2.2	2.5	4.0	7.8	9.8	1.8	0.2	0	0
4	0	| 0.2	1.6	2.1	2.5	4.0	7.5	8.9	1.7	0.2	0	0
5	0	| 0.3	1.6	2.2	2.3	4.0	6.7	8.6	1.7	0.2	0	0
6	0	a 0.4	1.6	2.2	2.3	4.0	6.4	7.8	1.7	0.2	0	0
7	0	0.6	1.6	2.2	2.3	3.8	6.2	7.0	1.8	0.2	0	0
8	0	0.7	1.6	2.2	2.2	3.8	6.2	6.7	1.7	0.2	0	0
9	0	0.7	1.6	2.2	15	3.8	6.0	6.7	1.6	0.2	0	0
10	0	0.7	1.6	2.2	112	3.8	5.7	6.2	1.4	0.2	0	0
11	0	0.8	1.6	2.2	30	3.8	5.6	6.0	1.6	0.2	0	0
12	0	0.8	1.6	2.2	17	3.6	5.6	5.5	2.5	0.2	0	0
13	0	1.1	1.6	2.0	13	3.6	5.6	5.5	2.3	0.2	0	0
14	0	1.1	1.6	2.0	12	3.6	5.7	5.1	2.0	0.1	0	0
15	0	1.2	1.7	2.2	12	3.6	7.6	4.9	1.7	0.1	0	0
16	0	1.4	1.7	2.2	11	3.8	7.2	4.6	1.6	0.1	0	0
17	0	1.4	1.7	2.2	9.5	6.4	7.0	4.4	1.4	0.1	0	0
18	0	1.6	1.8	2.2	8.6	6.4	7.0	4.0	1.1	0.1	0	0
19	0	1.6	1.8	2.2	7.8	6.2	7.0	3.6	1.0	0.1	0	10
20	0	1.6	1.8	2.2	7.5	6.4	7.0	3.2	0.8	+	0	5.7
21	0	1.6	1.8	2.2	7.0	6.4	8.1	2.9	0.7	|	0	3.6
22	0	1.6	1.8	2.2	6.4	6.7	8.1	2.9	0.6	|	0	2.5
23	0	1.4	1.8	2.2	5.7	7.2	8.1	2.9	0.6	|	0	2.2
24	0	1.6	1.8	2.2	5.3	7.5	8.1 a	2.9	0.6	|	0	1.7
25	0	1.6	1.8	2.2	5.1	7.2	8.1	2.9	0.4	|	0	1.4
26	0	1.6	1.8	2.2	4.6	7.2	9.5	2.9	0.4	|	0	1.1
27	0	1.6	1.8	2.2	4.4	7.0	10	2.7 c	0.4	|	0	0.8
28	0	1.6	1.8	2.0	4.4	9.4	11	a 2.7	0.4	|	0	0.7
29	0	1.7	2.0	2.0		10	12	2.5	0.3	|	0	0.6
30	+	1.6	2.0	2.0		9.5	12	2.5	0.2	|	0	0.5
31	+		2.0	2.0		8.9		2.3		+	0	
	+	32.2	53.3	66.7	318.6	173.8	229.4	160.6	38.2	3.2	+	30.8
MEAN	+	1.07	1.72	2.15	11.4	5.61	7.65	5.18	1.27	0.10	+	1.03
ACRE-FEET	+	64.	106.	132.	632.	345.	455.	319.	76.	6.3	+	61.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.03
ACRE-FEET 2200.


STA. NO. LI-R
LITTLE ROCK CREEK
above
Little Rock Dam
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
3200
2800
2400
2000
1600
1200
800
400
0
MID
NOON
2-8-62
2-9-62
2-10-62
2-11-62
2-12-62
2-13-62
2-14-62


STA. NO. LI-R
LITTLE ROCK CREEK
above
Little Rock Dam
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
320
280
240
200
160
120
80
40
0
6
MID
NOON
2-10-63
2-11-63

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

LOCATION: LAT. 34°11'13", LONG. 118°02'35", IN SE 1/4, SW 1/4, NW 1/4, SEC. 9, T.1N, R.11W, ON RIGHT BANK, 1.3 MILES UPSTREAM FROM SIERRA MADRE DAM. ALTITUDE OF GAGE ABOUT 2200 FEET (FROM TOPOGRAPHIC MAP).

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1962 (DISCONTINUED, FOR FURTHER RECORDS SEE STATION F67B-R, SIERRA MADRE WASH BELOW SIERRA MADRE DAM.)

AVERAGE DISCHARGE: 46 YEARS (1916-1925, 1926-1962. 0.85 SECOND-FOOT).

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 147 SECOND-FEET FEBRUARY 11. (GAGE HEIGHT 2.80 FEET.)
MINIMUM NO FLOW OCTOBER 1 TO NOVEMBER 19.
1916-62
MINIMUM 536 SECOND-FEET MARCH 2, 1938 COMPUTED ON BASIS OF INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR.
MINIMUM NO FLOW DURING PERIODS IN SOME YEARS.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

74D74M C2b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U3-R

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0.1	0.3	3.4	1.8	1.0	0.6	0.4	0.2	0.1
2	0	0	3.2	0.1	0.3	3.1	1.8	1.0	0.6	0.4	0.2	0.1
3	0	0	0.5	0.1	0.3	3.0	1.8	1.0	0.6	0.4	0.2	0.1
4	0	0	0.2	0.1	0.3	2.8	1.8	1.0	0.6	0.4	0.2	0.1
5	0	0	0.2	0.1	0.3	2.6	1.8	1.0	0.5	0.4	0.2	0.1
6	0	0	0.2	0.1	0.3	4.2	1.6	0.9	0.5	0.4	0.2	0.1
7	0	0	0.1	0.1	0.4	4.4	1.6	0.9	0.5	0.4	0.2	0.1
8	0	0	0.1	0.1	3.4	3.4	1.6	0.9	0.5	0.4	0.2	0.2
9	0	0	0.1	0.1	6.0	2.8	1.6	0.9	0.5	0.4	0.2	0.2
10	0	0	0.1	0.1	5.6	2.6	1.6	0.9	0.5	0.4	0.2	0.2
11	0	0	0.1	0.1	51	2.6	1.4	0.9	0.5	0.4	0.2	0.2
12	0	0	0.1	0.1	22	2.6	1.4	0.9	0.5	0.4	0.2	0.2
13	0	0	0.1	0.1	11	2.5	1.4	0.9	0.5	0.4	0.2	0.2
14	0	0	0.1	0.1	9.0	2.5	1.4	1.2	0.5	0.4	0.2	0.2
15	0	0	0.1	0.1	9.2	2.4	1.4	0.9	0.5	0.4	0.2	0.2
16	0	0	0.1	0.1	8.7	2.2	1.3	1.1	0.5	0.3	0.2	0.2
17	0	0	0.1	0.1	8.0	2.2	1.3	0.9	0.5	0.3	0.2	0.2
18	0	0	0.1	0.1	7.6	2.4	1.2	0.8	0.4	0.3	0.2	0.1
19	0	0	0.1	0.1	8.7	2.5	1.2	0.8	0.4	0.3	0.2	0.1
20	0	0.4	0.1	1.6	8.5	2.5	1.2	0.8	0.4	0.3	0.2	0.1
21	0	0.3	0.1	0.5	8.0	2.4	1.1	0.8	0.4	0.2	0.2	0.1
22	0	0.2	0.1	0.5	8.0	2.6	1.1	0.8	0.4	0.2	0.2	0.1
23	0	0.2	0.1	0.6	7.8	2.2	1.1	0.7	0.4	0.2	0.2	0.1
24	0	0.2	0.1	0.5	7.6	2.1	1.1	0.7	0.4	0.2	0.2	0.1
25	0	0.3	0.1	0.5	7.0	2.0	1.1	0.7	0.4	0.2	0.2	0.1
26	0	0.2	0.1	0.5	6.0	2.0	1.1	0.7	0.4	0.2	0.2	0.2
27	0	0.2	0.1	0.4	4.6	2.0	1.2	0.7	0.4	0.2	0.2	0.2
28	0	0.1	0.1	0.4	3.8	1.9	1.2	0.7	0.4	0.2	0.1	0.2
29	0	0.1	0.1	0.4		1.9	1.2	0.7	0.4	0.2	0.1	0.2
30	0	0.1	0.1	0.4		1.9	1.1	0.6	0.4	0.2	0.2	0.2
31	0		0.1	0.3		1.8		0.6		0.2	0.2	
	0	2.3	6.9	8.5	213.7	79.5	41.5	26.4	14.1	9.7	6.0	4.5
MEAN	0	0.08	0.22	0.27	7.63	2.56	1.38	0.85	0.47	0.31	0.19	0.15
ACRE-FEET	0	4.6	14.	17.	424.	158.	82.	52.	28.	19.	12.	8.9

Remarks:

YEAR OR PERIOD MEAN 1.13
ACRE-FEET 820.

STATION F19-R
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: LAT. 34°16'28", LONG. 118°22'20", ON DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE, FOUR MILES EAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT, 1067.89 FEET.

DRAINAGE AREA: 21.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT. CONCRETE CONTROL BELOW GAGE.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1630 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 52 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW MOST OF YEAR.
1929-63
MAXIMUM 8500 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

78D74M C(b 11-59

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 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	7.5	0.3	0				
2	0	0	2.8	0	0	5.6	0.1	0				
3	0	0	0	0	0	5.0	e 0.1	0				RECORDER STOPPED FOR SUMMER
4	0	0	0	0	0	4.6	e 0.1	0				
5	0	0	0	0	0	3.7	+	0				
6	0	0	0	0	0	5.0		0				
7	0	0	0	0	+	4.0		0				
8	0	0	0	0	1.2	4.0		0				
9	0	0	0	0	9.1	4.0		0				
10	0	0	0	0	9.6	4.0		0				
11	0	0	0	0	36.5	4.0		0				
12	0	0	0	0	17.0	3.7	+	0				
13	0	0	0	0	3.9	3.3	0	0				0
14	0	0	0.1	0	1.8	3.0	0	+				0
15	0	0	0	0	4.7	3.0	0	0				0
16	0	0	0	0	2.7	2.8	0	0				0
17	0	0	0	0	1.8	2.8	0	0				0
18	0	0	0	0	1.2	5.5	0					0
19	0	0	0	0	7.2	2.8	0					0
20	0	0.8	0	1.5	3.2	1.8	0					0
21	0	0	0	1.3	2.4	1.2	0					0
22	0	0	0	1.2	1.6	4.0	0					0
23	0	0	0	1.0	1.7	6.0	0					0
24	0	0	0	0	2.3	4.0	0					0
25	0	1.8	0	0	1.2	2.0	0					0
26	0	0	0	0	1.2	1.0	0					0
27	0	0	0	0	1.6	0.8	0					0
28	0	0	0	0	8.6	0.3	0					0
29	0	0	0	0		0.5	0					0
30	0	+	0	0		0.5	0					0
31	0		0	0		0.3						
	0	2.6	2.8.1	2.9.3	1.0.4.5.7	1.0.0.7	0.6	+	E 0	E 0	E 0	E 0
MEAN	0	0.09	0.91	0.95	37.3	3.25	0.02	+	E 0	E 0	E 0	E 0
ACRE-FEET	0	5.2	56.	58.	2070.	200.	1.2	+	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.31
ACRE-FEET 2390.

7601T4M C(5 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F19-R

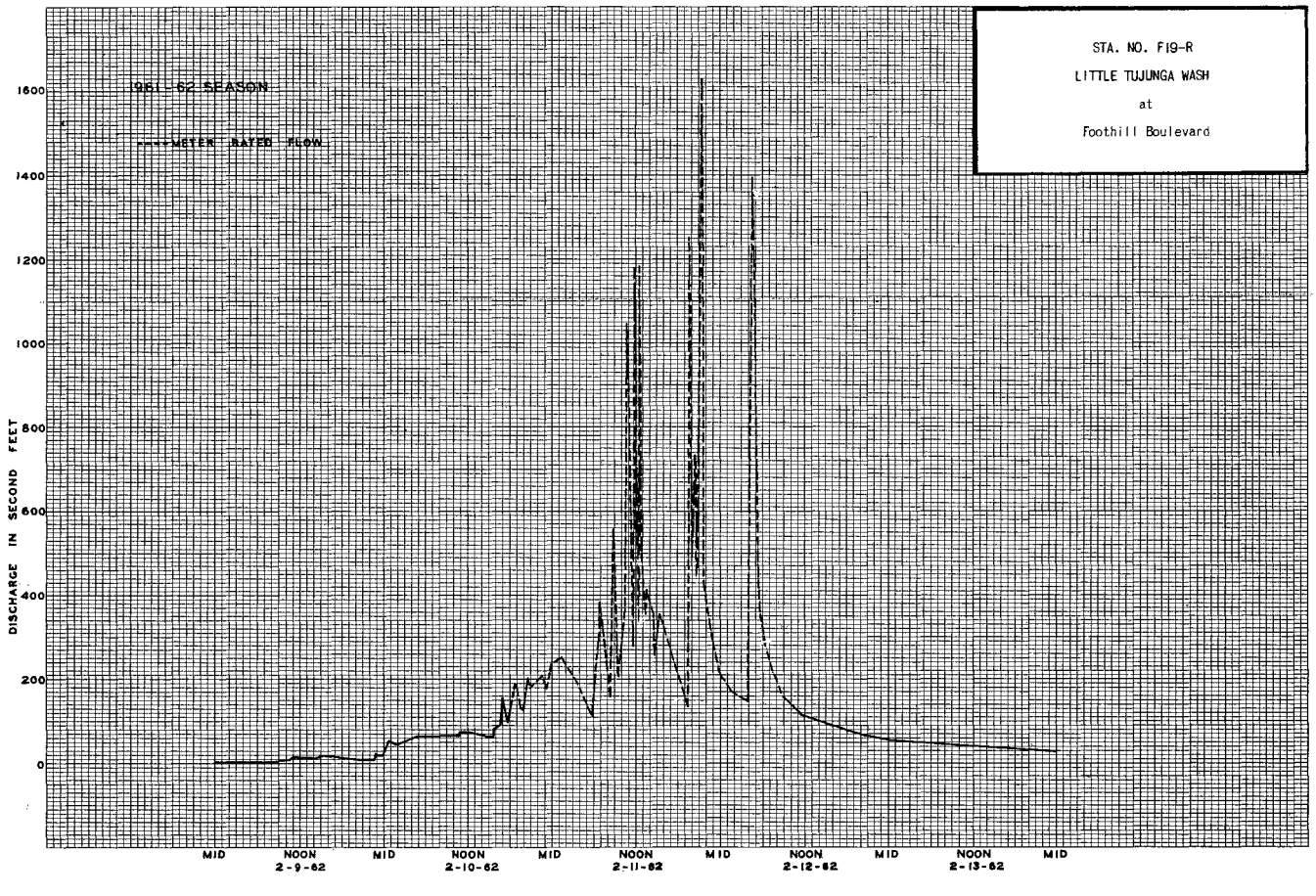
Daily discharge, in second-feet of LITTLE TUJUNGA CREEK at Foothill Boulevard, for the year ending September 30, 19 63

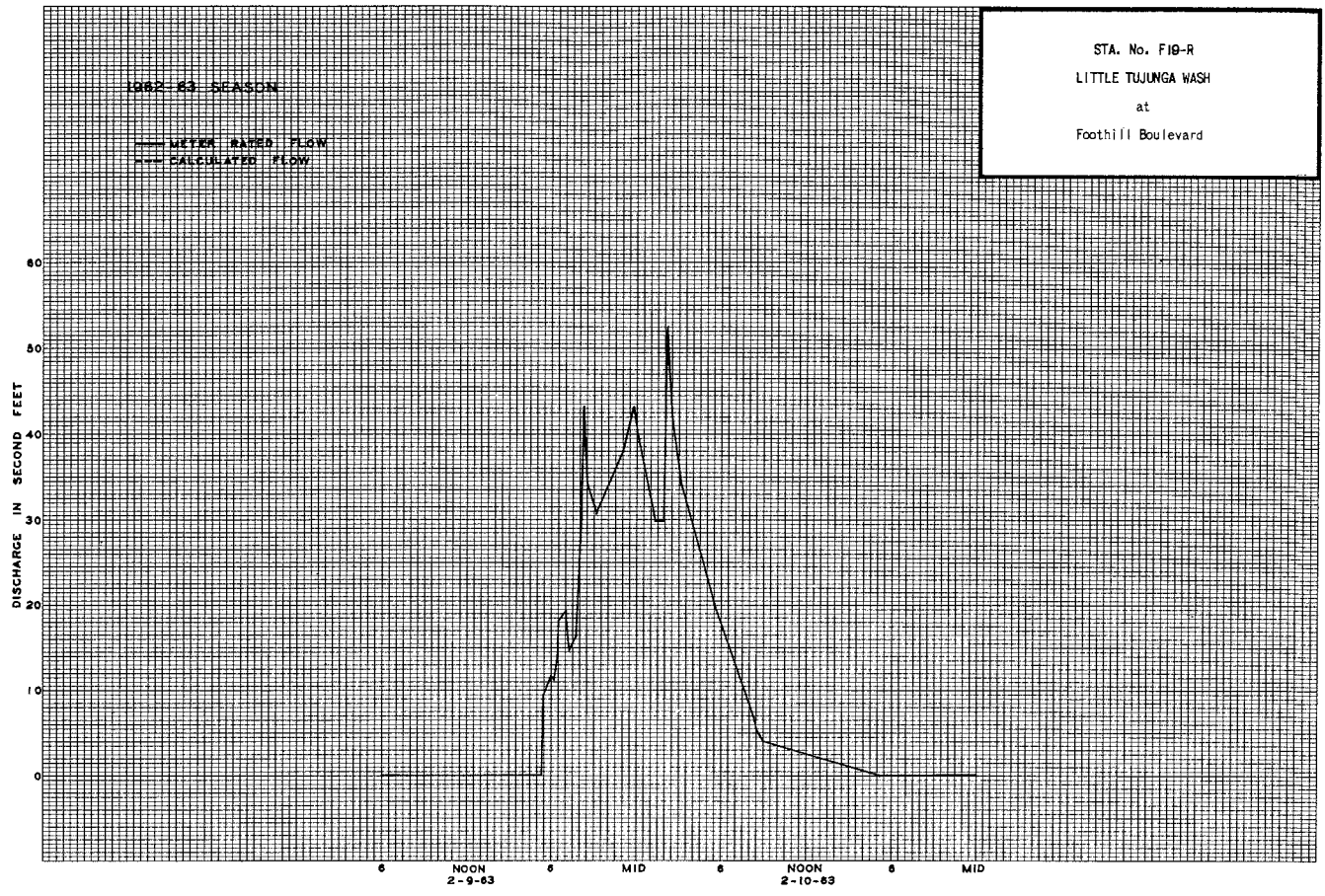
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				0
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	7.6	0	0	0				0
10	0	0	0	0	9.8	0	0	0				0
11	0	0	0	0	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0	0	+	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	2.2	0	0				0
17	0	0	0	0	0	0.6	0	0				0
18	0	0	0	0	0	0	0	0				0
19	0	0	0	0	0	0	0	0				0
20	0	0	0	0	0	0	0.2	0				0
21	0	0	0	0	0	0	0.4	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	0	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	+	0				0
26	0	0	0	0	0	0	1.6	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	0	0.1	0	0				0
29	0	0	0	0		0	0	0				0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0	0	0	0	17.4	2.9	2.2	0	E 0	E 0	E 0	0
MEAN	0	0	0	0	0.62	0.09	0.07	0	0	0	0	0
ACRE-FEET	0	0	0	0	35.	5.8	4.4	0	0	0	0	0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 46.





STATION F31-R
LIVE OAK CREEK near Mouth of Canyon

LOCATION: LAT. 34°07'34", LONG. 117°44'40", ON THE RIGHT, (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT TWO MILES NORTHEAST OF LA VERNE. ELEVATION OF GAGE ABOUT 1335 FEET.

DRAINAGE AREA: 2.6 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 22 SECOND-FEET FEBRUARY 26.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 3.5 SECOND-FEET FEBRUARY 25.
MINIMUM NO FLOW MOST OF YEAR.
1928-63
MAXIMUM 257 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT.

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

76D74M C(b 1-59

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 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0.2	b 0.1	+				
2	0	0	0.4	0		0.2	b 0.1					
3	0	0	+	0		0.1	b 0.1					
4	0	0	0	0		0.1	0.1					
5	0	0	0	0		0.1	0.1					
6	0	0	3.5	0	+	0.1	a 0.1					
7	0	0	2.5	0	a 0.1	0.1	0.1					
8	0	0	0	0	0.6	+	0.1					
9	0	0	0	0	1.0		0.1					
10	0	0	0	0	0.6		0.1		RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER
11	0	0	0	0	1.1		0.1					
12	0	0	0	0	0.6		0.1					
13	0	0	0	0	0.3		0.1					
14	0	0	0	0	0.1		0.1	+				
15	0	0	0	0	0.6	+	0.1	0				
16	0	0	0	0	0.5	0.1	0.1	+				
17	0	0	0	0	0.2	0.1	a 0.1	0.1				
18	0	0	0	0	0.2	0.1	2.9	0				
19	0	0	0	0	3.0	0.1	5.2	0				
20	0	0	0	1.9	1.0	0.1	3.6	0				
21	0	0	0	+	2.6	0.1	0.1	0				
22	0	0	0		1.8	0.2	b 0.1					
23	0	0	0		3.5	+	2.7					
24	0	0	0		4.1	0.1	3.9					
25	0	0	0		3.9	b 0.1	3.6					
26	0	a 0.6	0		6.0	0.1	0.8					
27	0	0	0		0.7	0.1	0.2					
28	0	0	0		0.3	0.1	+					
29	0	0	0			0.1	+					
30	0	+	0			0.1	+					
31	0		0	+		b 0.1		RECORDER STOPPED FOR SUMMER				
	0	0.6	6.4	1.9	32.8	2.5	24.8	0.1	E 0	E 0	E 0	E 0
MEAN	0	0.02	0.21	0.06	1.17	0.08	0.83	+	E 0	E 0	E 0	E 0
ACRE-FEET	0	1.2	13.	3.8	65.	5.0	49.	0.2	E 0	E 0	E 0	E 0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.19
ACRE-FEET 137.

76D74M C(b 1-59

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 63

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	0.3	0	0	0	0	0	0	0
10	0	0	0	0	0.3	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	0.2	0	0	0	0	0	0
17	0	0	0	0	0	+	0.2	0	0	0	0	0
18	0	0	0	0	0	0	0.2	0	0	0	0	+
19	0	0	0	0	0	0	+	0	0	0	0	+
20	0	0	0	0	0	0	+	0	0	0	0	0
21	0	0	0	0	0	0	0.1	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1.0	0	0.1	0	0	0	0	0
26	0	0	0	0	+		0.2	0	0	0	0	0
27	0	0	0	0	0	0	0.2	0	0	0	0	0
28	0	0	0	0	0		0.1	0	0	0	0	0
29	0	0	0	0		0	+	0	0	0	0	0
30	0	0	0	0		0	+	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	1.6	0.2	1.2	0	0	0	0	+
MEAN	0	0	0	0	0.06	0.01	0.04	0	0	0	0	+
ACRE-FEET	0	0	0	0	3.2	0.4	2.4	0	0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.01
ACRE-FEET 6.0

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

LOCATION: LAT. 34°06'17", LONG. 117°46'17", ON THE LEFT (EAST) WALL OF LIVE OAK WASH BELOW SEVENTH STREET IN THE CITY OF LA VERNE. ALTITUDE OF GAGE 1049.42.

CHANNEL AND CONTROL: CHANNEL-RECTANGULAR CONCRETE 17.3 FEET WIDE, 9.8 FEET DEEP. CONTROL - VERTICAL FACED SHARP-CRESTED WEIR WITH END CONTRACTIONS SUPPRESSED.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO OCTOBER 31, 1963.

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

ACCURACY: EXCELLENT.

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

REMARKS: THIS STATION AND WEIR INSTALLED TO DETERMINE THE QUANTITY OF IMPORTED WATER DELIVERED TO PUDDINGSTONE RESERVOIR. RECORD AS PUBLISHED IS DELIVERED WATER ONLY AND DOES NOT INCLUDE LOCAL WATER OR STORM FLOWS. NO IMPORTED WATER WAS OBTAINED DURING WATER YEARS 1961-62 OR 1962-63.

STATION E5C-R
LOS ANGELES RIVER below Sepulveda Dam

LOCATION: LAT. 34°09'42", LONG. 118°27'57", ON THE RIGHT (SOUTH) BANK OF OUTLET CHANNEL OF SEPULVEDA DAM, 200 FEET UPSTREAM FROM SEPULVEDA BOULEVARD. ALTITUDE OF GAGE 670 FEET.

DRAINAGE AREA: 155 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 28, 1953 TO SEPTEMBER 1961. AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1923 TO MARCH 3, 1938 AND FROM APRIL 28, 1838 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 33 YEARS (1929-63) 22.1 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 13,400 SECOND-FEET FEBRUARY 12, (GAGE HEIGHT 10.00 FEET).
MINIMUM DAILY DISCHARGE 1.4 SECOND-FEET NOVEMBER 24.
1962-63
MAXIMUM 7820 SECOND-FEET FEBRUARY 9, (GAGE HEIGHT 7.07 FEET).
MINIMUM 2.0 SECOND-FEET FEBRUARY 6.
1929-63
MAXIMUM 13,400 SECOND-FEET FEBRUARY 12, 1962, (GAGE HEIGHT 10.00 FEET).
MAXIMUM 12,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEPTEMBER 19-20, 1930.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SEPULVEDA FLOOD CONTROL RESERVOIR, (CAPACITY, 17,400 ACRE-FEET). SOME DIVERSION ABOVE STATION. CITY OF LOS ANGELES DISCHARGED 5430 ACRE-FEET OF IMPORTED OWENS RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING 1961-62 AND IN 1962-63. SUCH DISCHARGES AMOUNTED TO 3700 ACRE-FEET.

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

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	25	4.7	2.8	3.2	21	34	34	6.7	12	19	31
2	25	25	897	2.8	3.2	32	34	37	6.7	12	18	31
3	24	25	47	3.2	3.2	31	34	34	6.7	10	16	31
4	18	25	4.2	3.2	3.2	31	31	26	5.4	9.7	16	31
5	5.4	25	3.7	3.2	3.2	30	25	10	5.4	8.9	16	31
6	24	22	3.2	3.2	3.2	211	93	8.1	6.0	10	16	12
7	24	4.8	2.4	3.7	180	26	34	6.7	6.0	10	18	10
8	24	5.4	2.8	3.7	2010	16	34	5.4	6.0	10	18	9.7
9	25	6.7	3.7	3.7	548	31	36	5.4	6.0	10	18	9.7
10	25	7.4	2.8	3.2	6080	23	36	5.4	6.0	10	18	9.7
11	18	7.4	4.2	3.7	3620	19	36	4.6	5.4	10	18	9.7
12	25	8.1	10	10	21000	25	36	4.6	5.4	10	18	11
13	28	8.1	10	13	75	22	36	4.2	5.4	10	19	30
14	28	8.9	46	2.8	32	22	36	11	4.8	10	20	30
15	28	9.7	4.2	2.8	560	24	36	5.8	4.8	10	21	30
16	28	9.3	2.8	2.8	133	24	36	11	4.8	10	30	30
17	24	2.4	2.4	3.2	31	24	36	3.2	4.6	10	30	32
18	24	2.0	2.6	3.2	21	99	36	3.2	4.2	10	30	26
19	20	2.4	4.8	3.2	2270	33	36	3.2	4.2	10	30	12
20	5.4	514	9.7	406	125	27	32	3.7	4.2	9.7	30	12
21	21	21	9.7	89	54	26	32	4.2	9.7	16	30	12
22	22	2.8	9.7	770	32	15	31	4.6	9.7	18	30	10
23	24	1.6	9.7	75	26	20	30	6.0	9.7	12	30	10
24	24	1.4	9.7	6.7	40	21	30	6.0	10	16	32	7.1
25	24	644	9.7	4.2	20	24	30	5.4	12	19	37	4.6
26	24	38	7.4	3.7	10	24	30	6.0	12	16	37	4.2
27	24	4.2	3.7	3.2	18	25	31	6.0	12	10	39	4.2
28	24	3.2	3.7	2.4	21	41	32	6.0	12	19	37	4.6
29	25	3.2	2.8	3.2		41	34	6.7	10	19	36	5.4
30	25	59	2.8	2.8		39	34	6.7	12	19	32	5.4
31	25		3.2	3.2		36		6.7		19	31	
	709.8	11405		18025.2		9773		218.0		790.0		
	1522.0		1446.8		10830		2914		385.3		496.7	
MEAN	22.9	50.7	36.8	46.7	644.	34.9	32.6	9.40	7.27	12.4	25.5	16.6
ACRE-FEET	1410.	3020.	2260.	2870.	35750.	2150.	1940.	578.	432.	764.	1570.	985.

Remarks:

YEAR OR PERIOD MEAN 74.2
ACRE-FEET 53,730.

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.0	8.1	7.4	7.4	115	6.0	7.4	9.7	8.1	8.1	42	28
2	5.4	8.9	8.1	7.4	8.9	6.0	8.1	8.9	8.9	8.1	39	26
3	5.4	8.9	8.1	7.4	3.7	6.0	10.0	8.9	9.7	8.1	37	25
4	6.0	8.9	8.1	8.1	3.2	6.0	8.1	6.0	10.0	8.1	32	71
5	5.4	8.9	7.4	8.9	2.4	6.0	8.1	5.4	10.0	7.4	31	31
6	5.4	8.9	8.9	8.9	2	6.0	8.9	6.7	10.0	7.4	30	31
7	8.9	8.9	9.7	8.9	6	6.0	9.7	9.7	10.0	8.1	30	31
8	8.9	9.7	8.9	8.9	7.4	6.7	18.0	10.0	10.0	8.9	25	31
9	8.9	9.7	8.9	9.7	1680	25	7.4	9.7	7.4	9.7	28	17
10	8.9	9.7	8.9	7.4	759	12.0	8.9	8.9	6.0	10.0	30	7.2
11	6.7	9.7	6.7	7.4	50	6.7	8.9	8.9	16.0	12.0	31	32
12	7.4	9.7	6.7	6.7	6.7	6.7	9.7	8.9	14.0	12.0	30	34
13	6.7	8.9	7.4	6.7	12.0	6.7	9.7	8.9	8.9	16.0	31	32
14	29	8.9	7.4	7.4	73	6.7	116	6.7	8.9	32	30	32
15	6.0	8.9	7.4	8.1	8.9	6.7	12.0	5.8	9.7	31	28	32
16	2.4	8.9	7.4	8.1	10.0	885	4.2	9.7	9.7	37	26	32
17	2.4	8.1	7.4	8.1	12.0	251	10.0	9.7	9.7	29	26	31
18	2.4	8.1	7.4	8.1	8.9	14.0	8.9	9.7	10.0	8.9	25	36
19	2.4	8.1	8.9	7.4	8.9	9.7	9.7	9.7	10.0	35	25	102
20	2.4	8.1	6.7	7.4	8.9	8.9	18.0	9.7	10.0	42	26	32
21	2.8	8.1	8.1	8.1	8.9	8.9	60	9.7	8.9	42	26	30
22	2.8	8.1	10.0	7.4	8.9	10.0	9.7	9.7	8.9	44	26	30
23	3.2	8.9	8.9	7.4	8.9	42	12.0	9.7	8.9	44	26	31
24	8.9	8.9	8.1	7.4	8.9	8.1	12.0	9.7	8.9	46	28	34
25	8.9	8.9	8.1	8.9	8.9	8.1	19.0	9.7	8.1	48	28	36
26	10.0	8.9	7.4	8.1	8.9	8.9	377	8.9	8.1	48	30	34
27	8.1	8.1	7.4	8.1	8.9	12.0	8.9	8.9	8.1	48	31	34
28	8.1	8.1	7.4	7.4	7.4	506	8.1	8.9	9.4	48	31	34
29	7.4	7.4	8.1	7.4		8.1	7.4	8.9	8.9	48	31	31
30	7.4	7.4	8.1	8.1		8.9	5.4	8.9	7.4	44	31	28
31	7.4		7.4	232		7.4		8.9		44	30	
	212.0		246.8		2856.6		821.2		282.6		920.0	
	260.8		468.7		1916.2		273.5		842.8		1015.2	
MEAN	6.84	8.69	7.96	15.1	102.	61.8	27.4	8.82	9.42	27.2	29.7	33.8
ACRE-FEET	420.	517.	490.	930./	5670.	3800.	1630.	542.	561.	1670.	1820.	2010.

Remarks:

YEAR OR PERIOD MEAN 27.7
ACRE-FEET 20,060.

STATION F299-R
LOS ANGELES RIVER at Radford Avenue

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

DRAINAGE AREA: 183.0 SQUARE MILES.

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

DISCHARGE MEASUREMENTS. LOW FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1963.

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

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

STATION F300-R
LOS ANGELES RIVER at Tujunga Avenue

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

DRAINAGE AREA: 408 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 20,960 SECOND-FEET FEBRUARY 12.
MINIMUM 2.1 SECOND-FEET JANUARY 11.
1962-63
MAXIMUM 8700 SECOND-FEET FEBRUARY 9.
MINIMUM 3.2 SECOND-FEET FEBRUARY 4.
1950-63
MAXIMUM 20,960 SECOND-FEET FEBRUARY 12, 1962.
MINIMUM 2.1 SECOND-FEET JANUARY 11, 1962.

ACCURACY: GOOD.

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

74D74M C/b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F300-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	25	27	32	48	22	34	38	72	123	197	31
2	25	25	1320	30	50	33	36	40	72	116	197	30
3	25	25	80	32	46	31	38	36	70	125	191	30
4	21	25	55	32	43	31	35	21	64	113	191	31
5	66	23	45	30	46	28	36	74	64	104	191	29
6	20	22	45	34	67	413	110	70	66	123	189	125
7	23	82	36	36	293	26	39	78	68	116	189	113
8	23	82	38	40	2310	175	39	72	66	123	20	102
9	23	89	41	40	870	50	39	64	66	120	189	102
10	23	87	35	46	6170	29	38	66	64	125	20	111
11	186	87	34	26	5130	23	38	63	64	128	20	113
12	20	87	95	138	4120	26	38	63	64	125	20	104
13	25	76	100	21	667	24	38	61	70	123	20	29
14	25	76	96	34	71	24	38	172	57	120	22	31
15	26	84	74	32	895	24	38	140	57	118	21	31
16	25	87	34	35	285	24	39	76	63	116	30	31
17	25	43	30	36	59	24	39	91	59	116	32	32
18	26	38	30	32	29	222	39	61	61	118	31	31
19	197	40	52	40	2730	52	39	57	70	125	31	125
20	84	766	100	727	218	41	37	61	72	116	31	116
21	22	27	100	170	75	42	37	61	125	189	31	118
22	26	45	89	976	39	20	37	66	116	197	31	113
23	26	30	84	90	27	26	37	74	120	186	30	111
24	26	29	84	103	58	21	37	68	128	20	31	97
25	26	787	87	61	27	21	38	70	128	20	31	61
26	26	42	82	55	175	21	38	66	128	189	31	57
27	26	52	36	46	20	21	38	66	128	132	31	61
28	26	43	35	38	23	35	38	66	120	197	31	61
29	25	38	30	40		35	38	68	123	191	31	57
30	25	122	30	40		35	39	70	120	197	31	63
31	24		55	46		34		70		197	31	
	7123	2008.5	1678.6	2099.6	24163.5	1475.5	1105.0	404.8	254.5	447.0	791.4	517.0
MEAN	23.0	67.0	54.1	67.7	863.	47.8	36.8	13.1	8.48	14.4	25.5	17.2
ACRE-FEET	1410.	3980.	3330.	4160.	47900.	2930.	2190.	803.	505.	887.	1570.	1025.

Remarks:

YEAR OR PERIOD MEAN 97.7
ACRE-FEET 70,690.

74D74M C/b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

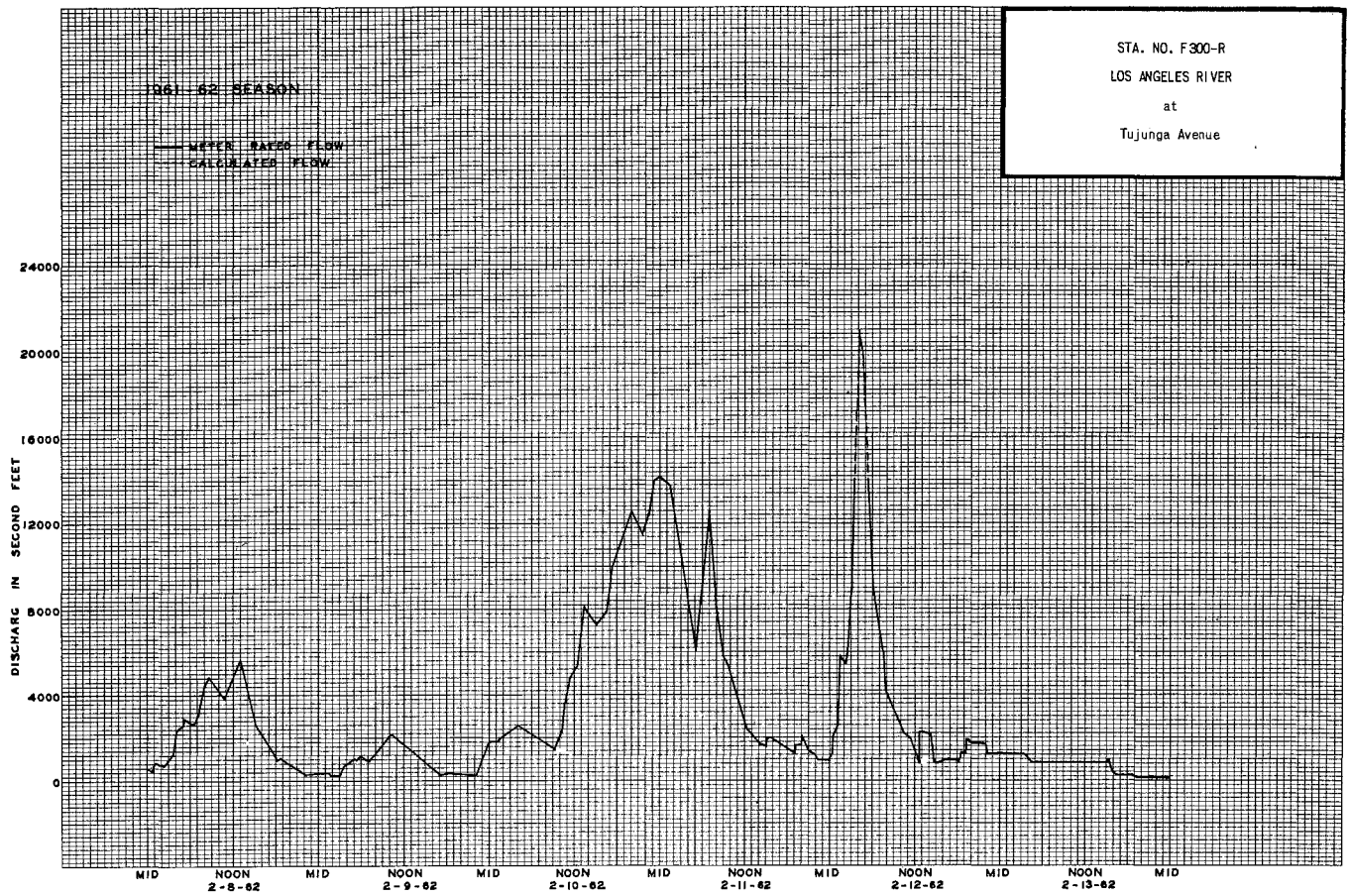
Sta. No. F300-R

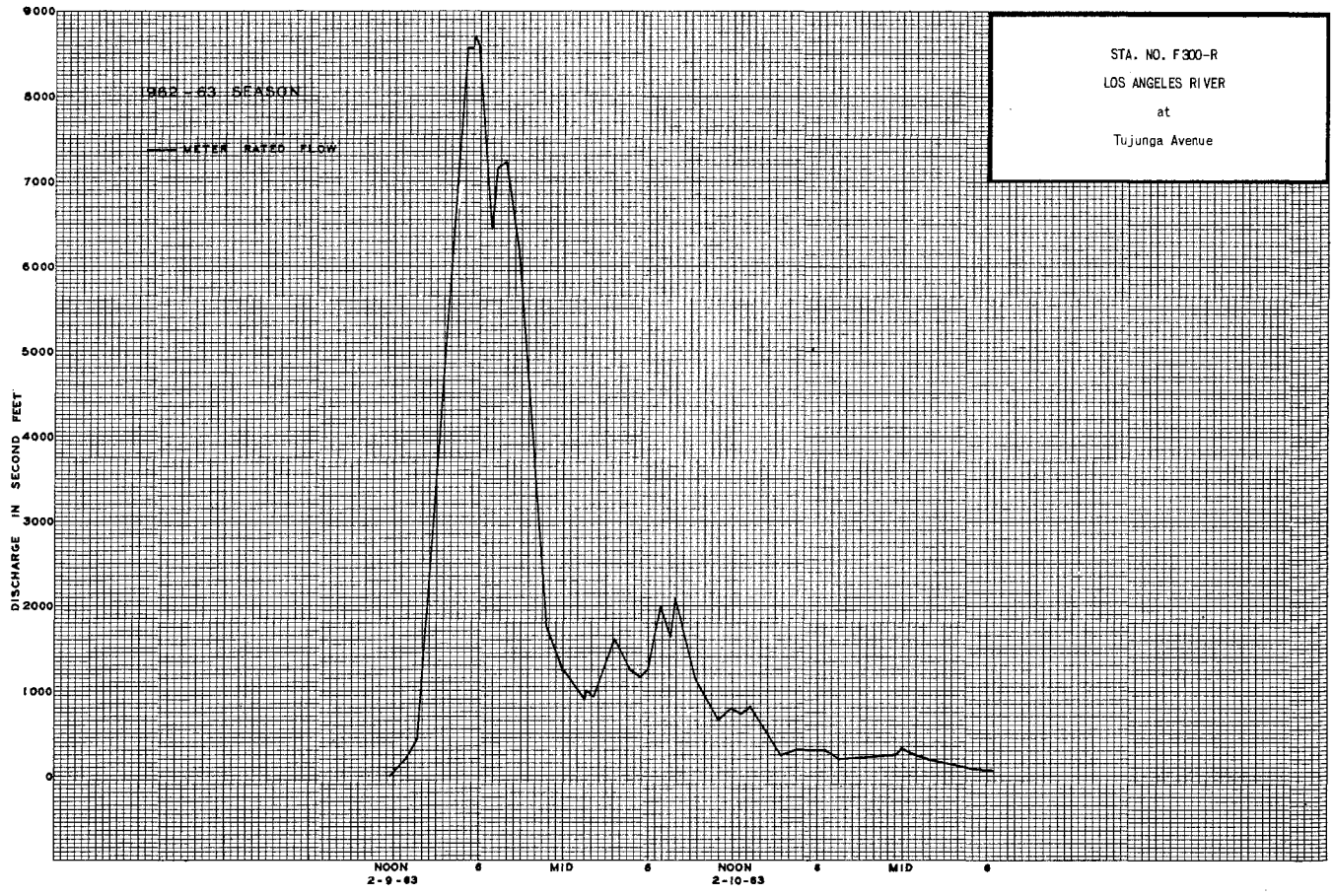
Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	9.5	8.2	8.0	159	8.9	10.9	10.4	9.7	10.9	34	32
2	6.1	9.7	8.4	8.0	12.6	8.4	10.4	10.2	10.0	10.6	34	32
3	6.1	10.0	8.2	8.2	5.2	7.8	11.6	10.6	9.7	11.6	35	32
4	5.7	9.7	8.2	8.4	4.0	7.6	9.7	5.7	10.2	10.2	34	141
5	6.6	10.0	7.8	8.4	4.0	8.2	9.3	4.5	10.2	10.2	34	36
6	7.2	10.0	8.4	8.2	4.5	8.9	9.5	5.5	11.1	9.7	34	33
7	10.9	10.0	8.9	8.4	8.0	9.1	9.5	10.0	10.2	10.0	35	32
8	10.9	10.6	8.9	8.4	8.4	9.1	35	10.2	10.9	12.0	32	32
9	11.1	10.2	8.7	10.7	2.200	36	9.7	10.0	10.9	11.8	33	23
10	11.1	10.0	8.4	10.2	812	15.3	9.5	10.0	13.3	11.3	34	9.5
11	10.0	10.0	7.2	8.4	65	9.3	10.3	9.3	44	12.0	34	31
12	9.7	10.0	6.6	7.6	8.9	9.3	10.0	8.9	26	11.3	34	37
13	9.3	10.2	6.8	7.3	13.7	8.9	9.7	8.9	10.0	12.3	34	34
14	44	10.2	6.8	7.6	129	8.4	232	5.9	10.4	28	34	32
15	10.5	9.3	7.0	8.4	10.2	11.5	25	4.8	10.4	31	34	33
16	5.0	9.1	6.3	8.2	11.8	1176	7.7	7.8	10.4	34	35	33
17	5.2	8.4	5.9	8.7	12.3	269	15.2	9.5	10.4	31	35	83
18	5.0	8.7	5.9	8.7	10.4	18.5	10.0	9.5	10.6	11.6	34	47
19	5.0	8.2	7.6	8.4	9.5	11.6	9.3	9.5	10.6	27	34	111
20	4.6	8.7	6.6	8.0	9.7	10.4	37	9.7	11.6	35	33	36
21	4.6	9.1	8.2	8.4	9.5	10.0	88	9.7	10.0	35	32	26
22	5.2	8.9	8.9	8.7	8.9	20	9.3	10.2	10.0	35	32	26
23	5.0	9.5	8.4	8.9	8.2	99	9.3	10.4	9.7	35	32	27
24	10.4	9.3	8.2	8.9	8.2	10.0	9.5	10.9	10.0	36	32	30
25	10.0	a 9.6	7.8	9.3	8.9	8.7	54	11.2	10.0	37	32	32
26	11.3	9.3	7.0	9.1	9.7	9.5	541	10.6	10.2	37	32	31
27	10.4	9.1	7.0	9.1	10.4	10.0	14.4	10.4	10.4	36	32	32
28	9.7	8.9	7.4	9.1	8.9	780	10.6	10.9	10.6	35	32	32
29	9.3	a 8.6	7.8	9.5		15.9	9.3	10.0	9.5	35	33	32
30	9.3	8.4	7.8	9.7		10.6	7.0	10.0	9.1	35	33	32
31	9.3		8.0	340		10.4		10.2		35	33	
	284.9	283.2	237.3	598.9	3,570.9	2,636.3	1243.7	285.4	360.1	732.5	1035.0	1179.5
MEAN	9.19	9.44	7.65	19.3	128.	85.0	41.5	9.20	12.0	23.6	39.3	34.1
ACRE-FEET	565.	565.	471.	1190.	7080.	5230.	2470.	566.	714.	1450.	2050.	2340.

Remarks: + = 0.04 CFS OR LESS

YEAR OR PERIOD MEAN 34.1
ACRE-FEET 24,690.


STA. NO. F300-R
LOS ANGELES RIVER
at
Tujunga Avenue
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARG IN SECOND FEET
24000
20000
16000
12000
8000
4000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-13-62
MID


STA. NO. F300-R
LOS ANGELES RIVER
at
Tujunga Avenue
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6

STATION F266-R
LOS ANGELES RIVER at Mariposa Street

LOCATION: LAT. 34°09'17", LONG. 118°18'40", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTERLINE OF MARIPOSA STREET EXTENDED, AND ABOUT TWO MILES SOUTHEAST OF BURBANK, ELEVATION OF ZERO GAGE HEIGHT, 468.61 FEET.

DRAINAGE AREA: 430 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 130 FEET WIDE WITH 18-FOOT VERTICAL SIDE WALLS. BOTTOM FORMS A REGULAR TARPEZOIDAL SECTION 130 FEET X 82 FEET X 1.1 FEET WITH 0.5 FOOT FILLETS.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

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

RECORDS AVAILABLE: FROM DECEMBER 20, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 24,300 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 10,360 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1938-61
MAXIMUM 24,300 SECOND-FEET FEBRUARY 12, 1962.
MINIMUM NO FLOW AT TIMES WHEN LOS ANGELES WATER DEPARTMENT IS DIVERTING FLOW.

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

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

TRD74M Cfb 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	58	e 2.0	5.0	+	+	0	9.0	0	0	e 1.0
2	0	0	1680	e 1.0	5.0	0	0	0	11.0	0	0	+
3	e 1.0	0	56	0	5.0	0	+	e 1.0	11.0	0	0	0
4	e 1.0	0	21	0	5.0	0	0	0	11.0	0	0	0
5	0	0	e 2.0	0	7.0	0	25	0	11.0	0	0	+
6	0	e 1.0	0	0	9.0	52	7.4	0	11.0	0	0	e 1.0
7	0	e 0.5	+	0	326	b 32	6.8	0	11.0	0	0	0
8	0	0	+	0	2960	b 7.0	0	0	9.0	0	0	0
9	0	0	0	0	1410	b 2.0	0	0	9.0	0	0	0
10	0	0	+	e 1.0	7330	0	0	e 1.0	9.0	0	0	e 1.0
11	e 1.0	0	0	e 1.0	6250	0	0	13.0	7.0	0	0	1.0
12	e 1.0	0	+	22	5220	0	+	11.0	7.0	0	0	1.0
13	0	0	0	29	b 784	b 1.0	0	9.0	9.0	0	0	11.0
14	0	0	125	13.0	b 86	0	0	29	7.0	0	0	e 9.0
15	0	0	e 5.0	13.0	1440	0	0	27	7.0	0	0	0
16	0	0	0	13.0	b 330	0	+	79	7.0	0	e 5.0	0
17	0	0	+	e 1.0	b 73	0	0	11.0	7.0	0	7.0	0
18	0	0	0	0	b 37	b198	0	11.0	e 3.0	0	1.0	0
19	e 1.0	0	0	0	3210	65	0	7.0	e 2.0	0	1.0	0
20	e 1.0	1020	+	1130	b 282	51	e 1.0	7.0	0	0	e 3.0	0
21	+	37	0	222	94	b 52	e 1.0	7.0	0	7.0	+	0
22	0	9.0	0	1430	48	15.0	0	7.0	0	5.0	0	0
23	0	7.0	0	296	13	7.0	0	9.0	0	0	e 1.0	0
24	+	7.0	0	23	45	e 1.0	0	9.0	+	0	e 2.0	0
25	0	1060	0	9.0	34	+	0	9.0	0	0	e 2.0	0
26	0	48	0	5.0	22	0	0	9.0	0	0	0	0
27	0	9.0	e 5.0	5.0	25	0	e 1.0	9.0	0	0	e 2.0	0
28	+	e 2.0	2.0	5.0	b 9.0	+	0	9.0	0	+	+	0
29	0	0	2.0	5.0		0	+	13.0	0	0	+	0
30	0	168	2.0	5.0		0	0	9.0	0	0	e 2.0	0
31	0		e 2.0	5.0		0		9.0		0	e 1.0	
	6.0	1960.0		30064.0			42.2		158.0		27.0	
	2368.5		3236.0		483.0		305.0		12.0		25.0	
MEAN	0.19	78.9	63.2	104.	1074.	15.6	1.41	9.84	5.27	0.39	0.87	0.83
ACRE-FEET	12.	4700.	3890.	6420.	59630.	958.	84.	605.	314.	24.	54.	50.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 106.0
ACRE-FEET 76,740.

96D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

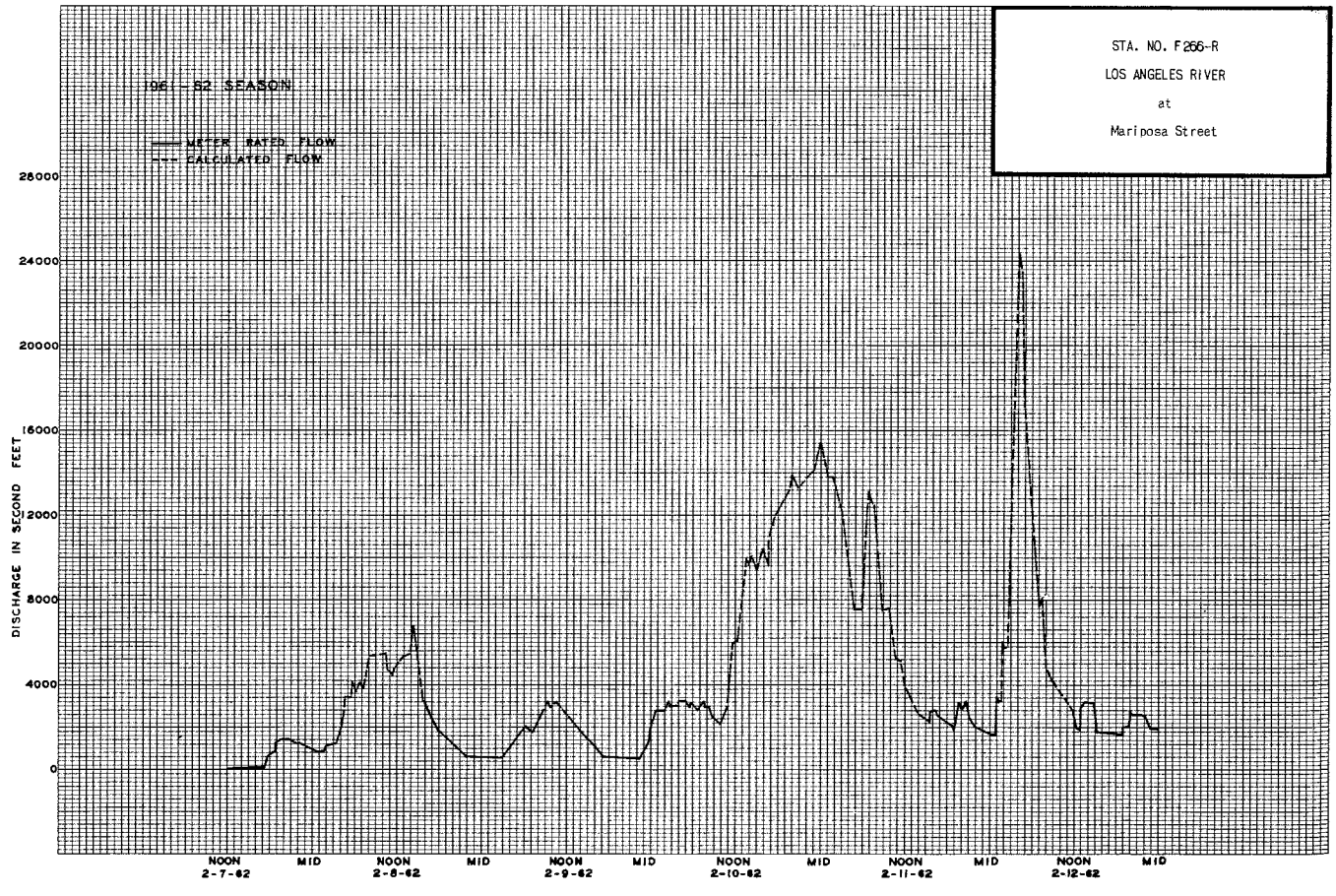
Sta. No. F266-R

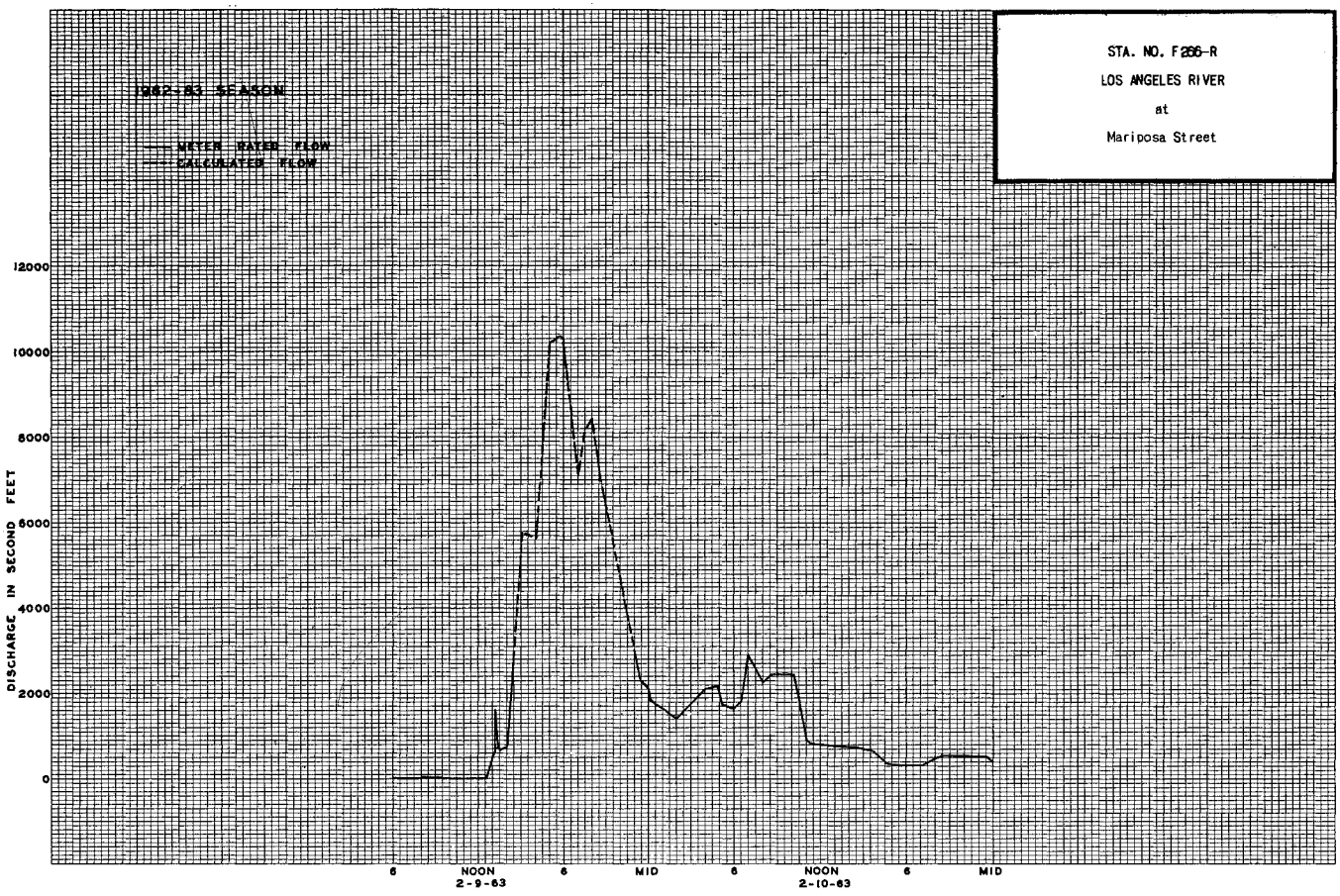
Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	189	+	b 3.0	b 3.0	+	b 0.5	+	+
2	0	0	0	+	21	0	12.3	0.5	+	b 3.0	b 0.8	+
3	0	0	0	+	13.0	0	b 5.0	7.0	+	b 2.0	+	b 0.5
4	0	0	0	+	11.0	0	+	17.0	b 0.5	0	+	234
5	0	+	0	0	b 3.2	+	b 1.0	15.0	+	+	b 2.0	25
6	+	b 1.0	+	0	b 2.8	+	b 1.0	19.0	0	0	1.0	b 1.5
7	b 1.0	0	0	+	5.7	b 0.5	b 0.5	9.0	0	0	3.0	+
8	+	b 1.0	0	+	4.8	0	42	5.0	b 2.0	b 3.5	3.0	|
9	+	0	0	b 1.6	2.630	56	b 13.0	1.0	b 1.0	2.5	5.0	|
10	b 1.0	0	0	b 7.0	1.180	24	11.0	1.0	b 2.5	2.5	b 2.3	+
11	b 2.0	+	0	0	70	b 1.0	11.0	5.0	59	3.0	12.2	b 5.0
12	+	+	0	0	13.0	1.0	7.0	5.0	26	b 6.0	7.9	b 1.6
13	+	0	0	0	11.0	0.5	b 5.0	0.3	b 7.0	14.1	b 1.5	b 3.1
14	37	0	0	0	237	b 0.5	301	14.9	5.0	16.8	5.0	+
15	19.0	+	0	0	b 9.0	22	38	5.0	2.0	b 9.0	4.2	b 1.9
16	9.0	0	0	0	+	1.340	b 5.0	b 0.5	b 1.0	1.1	2.2	b 1.9
17	9.0	0	0	0	b 1.0	360	21	0	0	2.4	2.9	104
18	7.0	0	0	0	0	b 25	b 0.2	0	0	3.2	3.5	47
19	9.0	0	0	1.3	0	5.0	b 0.5	+	0	1.5	b 3.0	124
20	7.0	0	0	0	0		49	b 0.5	b 1.0	0	33	33
21	5.0	+	0	+	0	b 0.5	84	0.5	0	0	27	11.0
22	b 3.0	0	0	0	0	30	b 9.0	0.1	0	2.6	7.0	b 0.5
23	0	+	0	b 1.6	+	145	9.0	0.5	b 2.0	0	11.0	b 1.1
24	+	0	0	b 0.5	|	b 3.0	7.0	0.5	b 0.5	0	b 2.2	9.0
25	0	+	+	0	|	1.0	b 3.0	1.0	+	0	b 3.0	9.0
26	+	0	b 1.0	0	+	1.0	755	5.0	+	0.8	7.0	7.0
27	0	0	b 0.5	0	b 3.0	b 1.0	b 15.0	3.0	b 2.5	2.8	7.0	9.0
28	0	0	+	6.1	+	857	b 5.0	1.0	5.0	b 0.8	5.0	7.0
29	0	0	+	b 4.0		19.4	10.0	b 1.0	2.0	b 1.0	9.0	9.0
30	0	0	+	0		b 5.0	b 3.0	0	b 5.0	+	b 2.9	24
31	0		b 1.0	469		b 1.0		b 0.5		+	b 1.7	
	109.0	2.0	2.5	491.1	4404.5	2899.4	1426.5	121.8	124.0	79.1	175.3	669.1
MEAN	3.52	0.07	0.08	15.8	157.	93.5	47.6	3.93	4.13	2.55	5.66	22.3
ACRE-FEET	216.	4.0	5.0	974.	8740.	5750.	2830.	242.	246.	157.	348.	1330.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 28.8
ACRE-FEET 20,840.





STATION F57C-R
LOS ANGELES RIVER above Arroyo Seco

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

DRAINAGE AREA: 510 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH A TRAPEZOIDAL INVERT 20 FEET WIDE AT TOP, 16 FEET WIDE AT BOTTOM AND ONE FOOT DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: SUBJECT TO SAME REGULATION AS STATION 300-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN GRIFFITH PARK AREA. ALSO SPILLED OCCASIONALLY IS EXCESS TREATED SEWAGE EFFLUENT FROM LOS ANGELES SANITATION DEPARTMENT LINE ABOVE RIVERSIDE DRIVE.

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

RECORDS AVAILABLE: AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.
AT STATION F57B-R - MAY 26, TO APRIL 5, 1939;
APRIL 5, 1939 TO DECEMBER 8, 1939;
BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 32,500 SECOND-FEET FEBRUARY 12.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 18,070 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW VARIOUS TIMES OF YEAR.
1929-63 (STATIONS F57-R, F57B-R, F57C-R).
MAXIMUM 68,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	5.5	0.3	2.2	6.7	0.4	0.2	0.3	0.1	+	0.1
2	|	|	2220	0.5	1.0	2.8	0.5	0.2	0.3	0.1	0.1	0.1
3	|	|	203	1.0	1.2	1.4	0.6	0.2	0.3	0.1	0.1	0.1
4	|	|	6.3	1.4	0.4	0.8	0.6	0.1	0.2	0.1	0.1	0.1
5	|	|	2.5	1.4	0.6	0.6	3.3	0.1	0.2	0.1	0.1	0.1
6	|	|	1.0	1.4	1.6	429	9.2	0.1	0.2	0.1	0.1	e 0.1
7	|	|	0.2	0.6	303	35	3.4	0.1	0.2	0.1	0.1	| 0.1
8	|	|	+	0.8	3230	14.9	0.5	0.1	0.2	0.1	0.1	| 0.1
9	|	|	|	1.2	1550	4.2	0.3	0.1	0.3	0.1	0.1	| 0.1
10	+	|	|	1.4	8510	4.0	0.4	0.1	0.3	0.1	+	| 0.1
11	e 0.3	|	|	1.6	8110	1.4	0.3	0.1	0.3	0.1	+	| 0.1
12	| 0.4	|	|	7.2	5360	1.0	0.3	0.1	0.3	0.1	0.1	| 0.1
13	| 0.3	|	+	3.4	852	1.4	0.3	0.1	0.3	0.1	0.1	| 0.1
14	e 0.1	|	6.7	3.4	104	1.6	0.3	2.3	0.3	0.1	0.1	| 0.1
15	+	|	2.2	2.5	1300	1.4	0.3	4.0	0.3	0.1	0.1	| 0.1
16	|	|	0.5	3.8	420	1.4	0.3	4.1	0.2	0.1	0.1	| 0.1
17	|	|	+	3.8	98	0.8	0.3	3.0	0.2	0.1	0.1	| 0.1
18	|	|	|	1.4	93	242	0.3	2.5	0.2	0.1	0.1	| 0.1
19	|	+	|	1.6	3350	154	0.3	1.0	0.2	0.1	0.1	| 0.1
20	|	1240	|	1360	306	58	0.2	0.3	0.1	0.1	0.1	| 0.1
21	|	58	|	231	146	82	1.9	0.3	0.1	0.1	0.1	| 0.1
22	|	3.4	|	1340	61	27	0.3	0.3	0.1	0.1	0.1	| 0.1
23	|	0.6	|	196	36	43	0.3	0.3	0.1	0.1	0.1	| 0.1
24	|	0.3	|	12.6	41	11.0	0.3	0.3	0.1	0.1	0.1	| 0.1
25	|	1090	|	7.7	67	1.0	0.3	0.3	0.1	0.1	0.1	e 0.1
26	|	91	|	2.6	20	0.6	0.3	0.3	0.1	0.1	0.1	+
27	|	5.5	+	3.1	17.5	0.5	0.3	0.3	0.1	0.1	0.1	|
28	|	0.6	0.1	1.6	20	0.5	0.3	0.3	0.1	0.1	0.1	|
29	|	0.4	0.3	1.2		0.5	0.3	0.3	0.1	0.1	0.1	|
30	|	172	0.4	3.8		0.5	0.2	0.3	0.1	0.1	0.1	|
31	+	|	0.1	1.6		0.5		0.3		0.1	0.1	+
	1.1		2528.9		34001.5		26.6		5.9		2.8	
		2661.8		3230.7		1203.7		142.7		3.1		2.5
MEAN	0.04	88.7	81.6	104.	1214.	38.8	0.89	4.60	0.20	0.10	0.09	0.08
ACRE-FEET	2.2	5280.	5020.	6410.	67440.	2390.	53.	283.	11.7	6.1	5.6	5.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 120.
ACRE-FEET 86,910.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

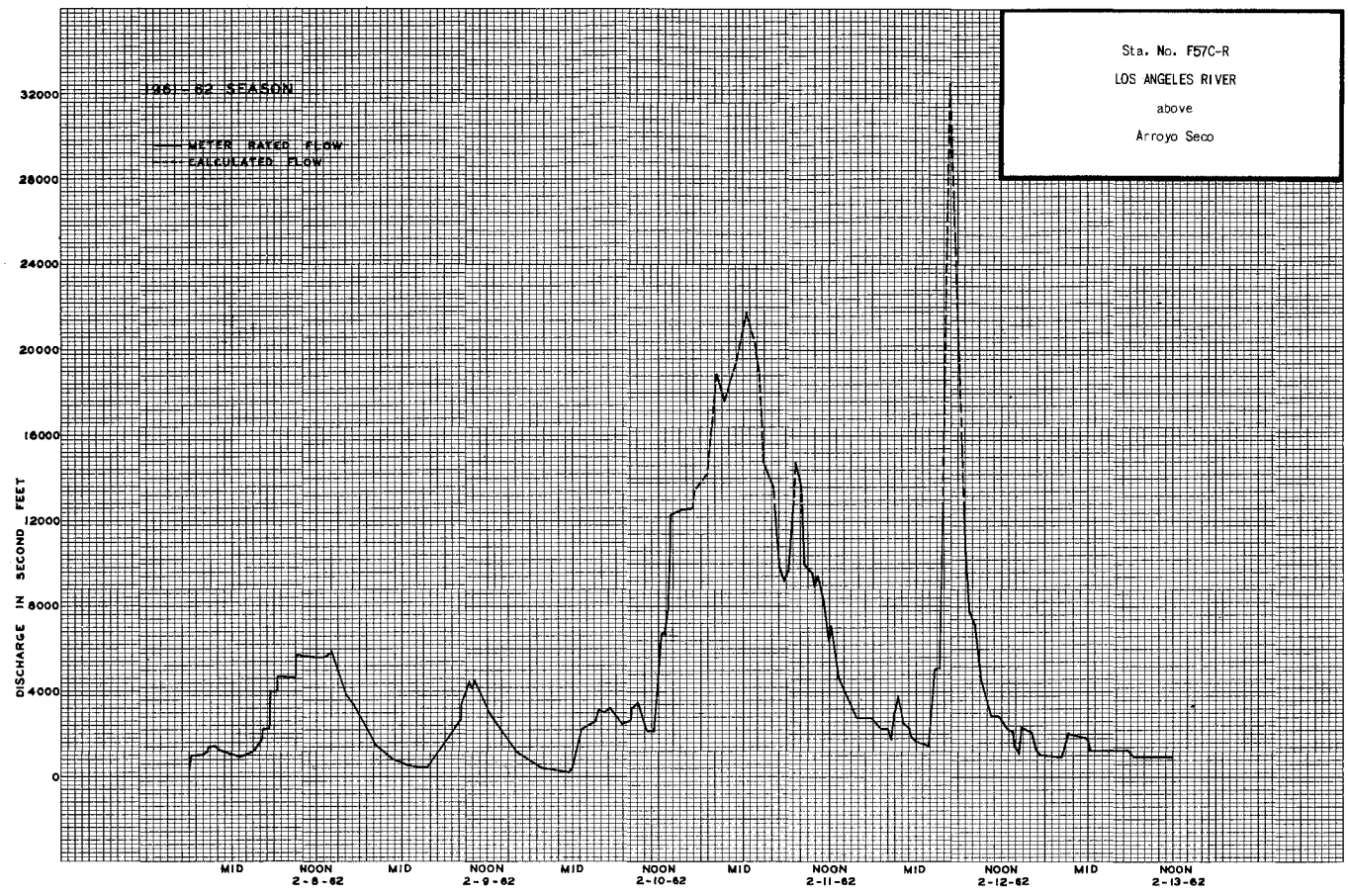
Sta. No. F57C-R

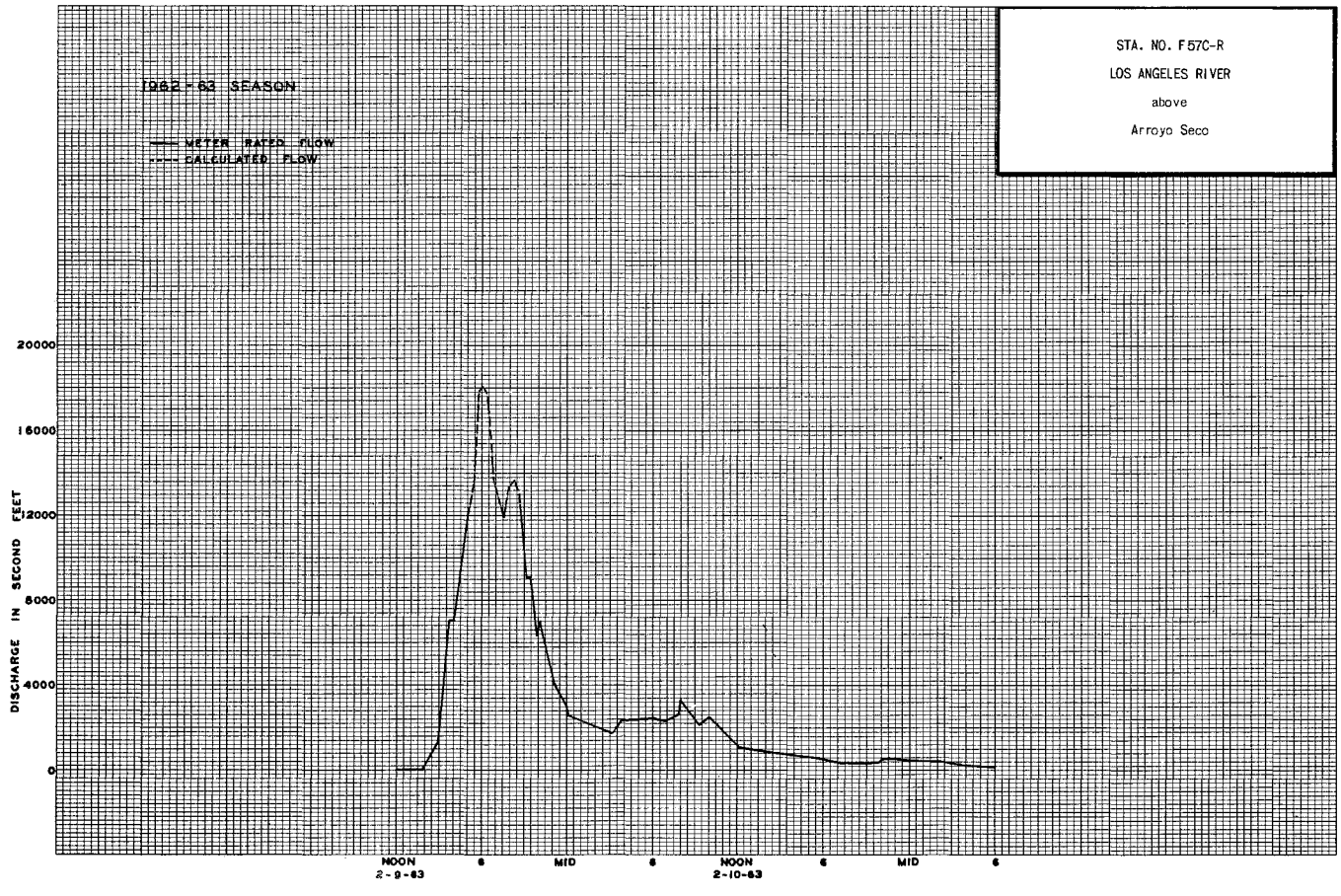
Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	e 0.1	e 0.1	+	219	+	0.2	0.1	0.1	0.1	+	+
2	| 0.1	| 0.1	| 0.1	|	11.0	|	0.2	e 0.1	e 0.1	e 0.1	|	+
3	| 0.1	| 0.1	| 0.1	|	e 0.2	|	0.2	| 0.1	| 0.1	| 0.1	|	+
4	| 0.1	| 0.1	| 0.1	|	e 0.1	|	e 0.1	| 0.1	| 0.1	| 0.1	|	7.7
5	| 0.1	| 0.1	| 0.1	|	+	|	| 0.1	| 0.1	| 0.1	| 0.1	|	4.2
6	| 0.1	| 0.1	| 0.1	|	|	|	| 0.1	| 0.1	| 0.1	| 0.1	|	0.7
7	| 0.1	| 0.1	| 0.1	|	|	|	e 0.1	| 0.1	| 0.1	| 0.1	|	0.1
8	| 0.1	| 0.1	| 0.1	|	+	+	13.4	| 0.1	| 0.1	| 0.1	|	0.1
9	| 0.1	| 0.1	| 0.1	|	3.750	17.1	0.4	| 0.1	| 0.1	| 0.1	|	0.1
10	| 0.1	| 0.1	| 0.1	|	1.460	10.7	0.2	| 0.1	e 0.1	| 0.1	|	
11	| 0.1	| 0.1	| 0.1	|	132	e 0.2	e 0.1	| 0.1	34	| 0.1	|	
12	| 0.1	| 0.1	| 0.1	|	6.7	e 0.1	e 0.1	| 0.1	7.9	| 0.1	|	0.2
13	| 0.1	| 0.1	| 0.1	|	1.6	+	e 0.1	| 0.1	0.2	| 0.1	|	0.1
14	| 0.9	| 0.1	| 0.1	|	354	+	400	| 0.1	0.1	| 0.1	|	0.1
15	| 0.1	| 0.1	| 0.1	|	8.2	5.5	4.4	| 0.1	e 0.1	| 0.1	|	0.1
16	| 0.1	| 0.1	| 0.1	|	0.5	1.460	1.0	| 0.1	| 0.1	| 0.1	|	0.1
17	| 0.1	| 0.1	| 0.1	+	e 0.1	636	0.4	| 0.1	| 0.1	| 0.1	|	98
18	| 0.1	| 0.1	| 0.1	e 0.1	+	53	0.4	| 0.1	| 0.1	|	|	130
19	| 0.1	| 0.1	| 0.1	+	|	2.2	0.2	| 0.1	| 0.1	e 0.1	|	119
20	| 0.1	| 0.1	| 0.1	|	|	0.6	11.0	| 0.1	| 0.1	| 0.1	|	33
21	| 0.1	| 0.1	| 0.1	|	|	0.3	124	| 0.1	| 0.1	+	|	3.8
22	| 0.1	| 0.1	| 0.1	|	|	0.3	1.9	| 0.1	| 0.1	|	|	0.2
23	| 0.1	| 0.1	| 0.1	|	|	230	0.4	| 0.1	| 0.1	|	|	0.2
24	| 0.1	| 0.1	| 0.1	|	|	3.4	0.1	| 0.1	| 0.1	|	|	0.2
25	| 0.1	| 0.1	e 0.1	|	|	0.5	1.4	| 0.1	| 0.1	|	|	0.2
26	| 0.1	| 0.1	+	|	|	0.4	888	| 0.1	| 0.1	|	|	0.1
27	| 0.1	| 0.1	|	|	|	0.3	22	| 0.1	| 0.1	+	c	0.1
28	| 0.1	| 0.1	|	|	+	1.040	0.6	| 0.1	| 0.1	0.2	|	0.1
29	| 0.1	| 0.1	|	|	|	29	0.2	| 0.1	e 0.1	+	|	0.1
30	| 0.1	e 0.1	|	+	|	0.6	0.1	e 0.1	| 0.1	+	c	0.1
31	e 0.1	|	+	3.06	|	0.2	|	0.1	|	+	+	|
	3.9		2.5		5943.4		1511.2		44.8		0.2	
		3.0		306.1		3490.4		3.1		2.0		505.7
MEAN	0.13	0.10	0.08	9.87	212.	113.	50.4	0.10	1.49	0.06	0.01	16.9
ACRE-FEET	7.7	6.0	5.0	607.	11790.	6920.	3000.	6.1	89.	4.0	0.4	1000.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 32.4
ACRE-FEET 23,440.


Sta. No. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
1961 - 62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
32000
28000
24000
20000
16000
12000
8000
4000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-13-62


STA. NO. F57C-R
LOS ANGELES RIVER
above
Arroyo Seco
1962 - 63 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
20000
16000
12000
8000
4000
0
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6

STATION F34D-R
LOS ANGELES RIVER below Firestone Boulevard

LOCATION: LAT. 33°56'58", LONG. 118°10'23", ON THE RIGHT (WEST) BANK, 472 FEET DOWNSTREAM FROM THE CENTER LINE OF FIRESTONE BOULEVARD BRIDGE AND ABOUT THREE MILES WEST OF DOWNEY, ELEVATION OF ZERO GAGE HEIGHT 96.12 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, CONCRETE, 355 FEET WIDE AT BOTTOM WITH 3 TO 1 RIPRAPPED SLOPES, LOW FLOW CHANNEL IN CENTER, 28 FEET WIDE AT TOP, 20 FEET WIDE AT BOTTOM, ONE FOOT DEEP. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED AT STATION. HIGH FLOWS MEASURED FROM UPSTREAM SIDE OF FIRESTONE BOULEVARD BRIDGE 500 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

DIVERSIONS: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C-R. THE CITIES OF PASADENA AND SOUTH PASADENA DIVERT WATER FROM THE ARROYO SECO.

RECORDS AVAILABLE: AT STATION F34-R - MARCH 1, 1928 TO APRIL 11, 1938 (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5.)

AT STATION F34B-R - APRIL 11, 1938 TO NOVEMBER 3, 1949.
AT STATION F34C-R - NOVEMBER 4, 1949 TO DECEMBER 11, 1956.
AT STATION F34D-R - DECEMBER 11, 1956 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 28,400 SECOND-FEET FEBRUARY 12.
MINIMUM 3.8 SECOND-FEET NOVEMBER 24.

1962-63
MAXIMUM 19,340 SECOND-FEET FEBRUARY 9.
MINIMUM 4.3 SECOND-FEET (ESTIMATED) FEBRUARY 23.

1928-63
MAXIMUM 79,000 SECOND-FEET (ESTIMATED) MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES PRIOR TO 1940. FLOW CONTINUOUS IN RECENT YEARS DUE TO INDUSTRIAL WASTES.

ACCURACY: POOR, STATE-DISCHARGE RELATIONSHIP AFFECTED BY SILTATION. MEASURING CONDITIONS WERE VERY POOR.

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

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34D-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 9.0	8.0	22	5.2	b 16.0	b 31	b 14.2	b 12.8	9.0	9.5	9.0	8.0
2	12.0	8.0	2750	8.0	13.6	34	12.8	12.0	8.5	11.0	9.0	7.5
3	15.0	8.5	397	8.5	10.0	37	16.0	12.8	9.0	11.0	8.0	6.1
4	12.0	6.7	b 28	9.5	7.5	32	18.0	12.6	10.5	8.5	6.4	7.5
5	15.0	6.1	14.0	8.5	6.0	b 34	17.0	15.0	11.0	9.0	8.0	6.7
6	11.0	7.0	10.0	7.0	b 8.8	615	30	11.0	12.8	10.0	9.0	6.1
7	10.0	7.0	8.0	5.8	304	b 69	21	8.6	13.6	8.5	8.5	6.4
8	10.0	7.5	9.0	9.0	5160	b 31	19.0	15.0	10.5	7.0	8.5	5.8
9	11.0	7.0	10.0	8.0	2750	b 22	13.6	17.0	10.0	9.5	9.0	5.8
10	12.0	7.5	10.0	8.5	8490	86	14.4	17.0	9.5	10.0	8.0	7.5
11	b 12.0	5.5	b 10.0	7.0	9630	16.0	15.0	14.4	9.5	10.0	6.7	8.5
12	9.0	6.1	11.0	23	5920	14.4	15.0	11.2	9.5	10.0	7.0	9.0
13	10.0	8.0	10.0	98	1510	15.2	17.0	9.5	8.5	9.5	8.5	10.0
14	7.0	8.5	72	b 18.0	338	15.2	18.0	9.5	10.5	9.5	9.5	8.0
15	6.1	9.0	43	10.0	2890	15.2	15.0	60	14.4	10.5	10.0	6.7
16	8.5	8.5	7.5	12.8	1080	15.2	12.0	20	8.0	11.5	10.0	7.0
17	9.5	8.5	6.1	12.8	b205	15.2	16.0	85	7.5	11.5	9.5	9.0
18	9.5	6.4	6.7	12.0	b125	308	16.0	b 12.0	10.0	11.5	8.5	9.0
19	9.0	6.7	7.5	b 7.0	4650	470	16.0	6.4	10.0	11.0	9.0	9.0
20	9.0	1750	8.5	2220	b909	68	14.4	6.4	9.5	11.0	11.0	8.5
21	6.4	186	8.5	239	375	169	13.4	7.5	9.5	9.0	12.8	9.0
22	6.7	9.0	7.5	1560	65	51	15.0	8.5	9.0	9.0	11.0	7.5
23	9.0	5.2	5.5	367	129	120	10.4	9.0	8.5	10.0	10.5	7.5
24	9.5	3.8	6.1	b 30	105	28	18.0	8.0	10.0	10.0	10.0	8.5
25	10.0	1440	5.5	18.0	140	18.4	16.0	8.0	12.8	9.5	8.0	8.5
26	10.5	226	7.5	8.8	85	15.2	15.0	7.0	15.2	10.0	8.0	8.5
27	10.5	16.8	8.5	11.0	43	b 18.0	16.0	7.5	14.4	9.0	10.0	9.0
28	9.0	10.0	8.5	9.0	b 43	19.0	17.4	9.0	13.6	8.5	10.0	7.5
29	7.5	8.5	10.0	7.0		18.0	11.6	8.5	12.8	9.5	9.5	6.4
30	9.0	236	8.0	16.0		16.0	b 11.2	8.0	10.5	10.5	9.5	6.4
31	9.0		6.7	b 23		b 15.8		9.0		9.0	10.0	
	303.7	3522.6	4500.9	474.6	3181	282.4						
	4031.8		4787.4	2431.8	458.6	304.0	2309					
MEAN	9.80	134.	114.	154.	1610.	78.4	15.8	14.8	10.6	9.81	9.11	7.70
ACRE-FEET	602.	8000.	6990.	9500.	89270.	4820.	941.	910.	631.	603.	560.	458.

Remarks:

YEAR OR PERIOD MEAN 170.
ACRE-FEET 123,300.

7437M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

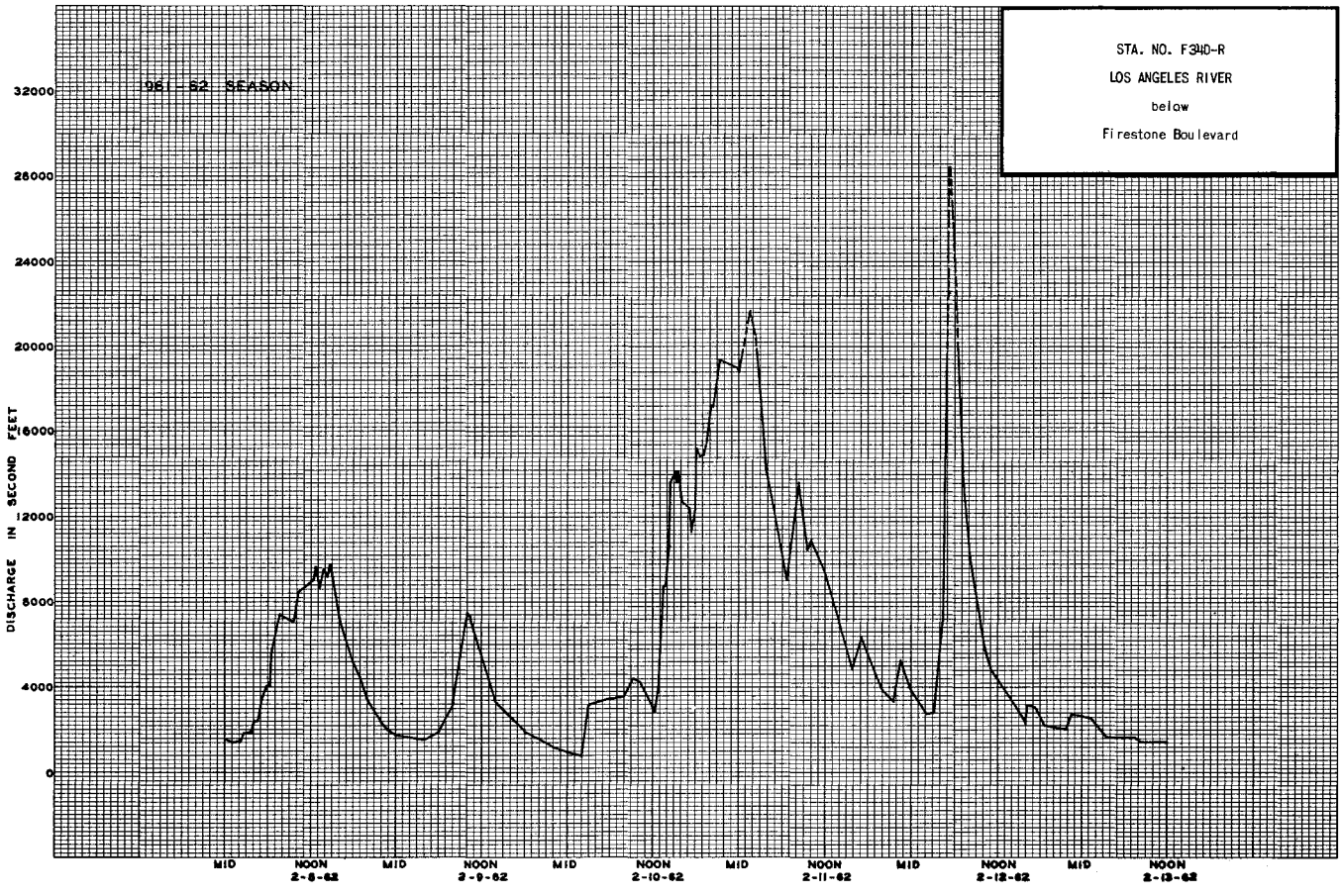
Sta. No. F34D-R

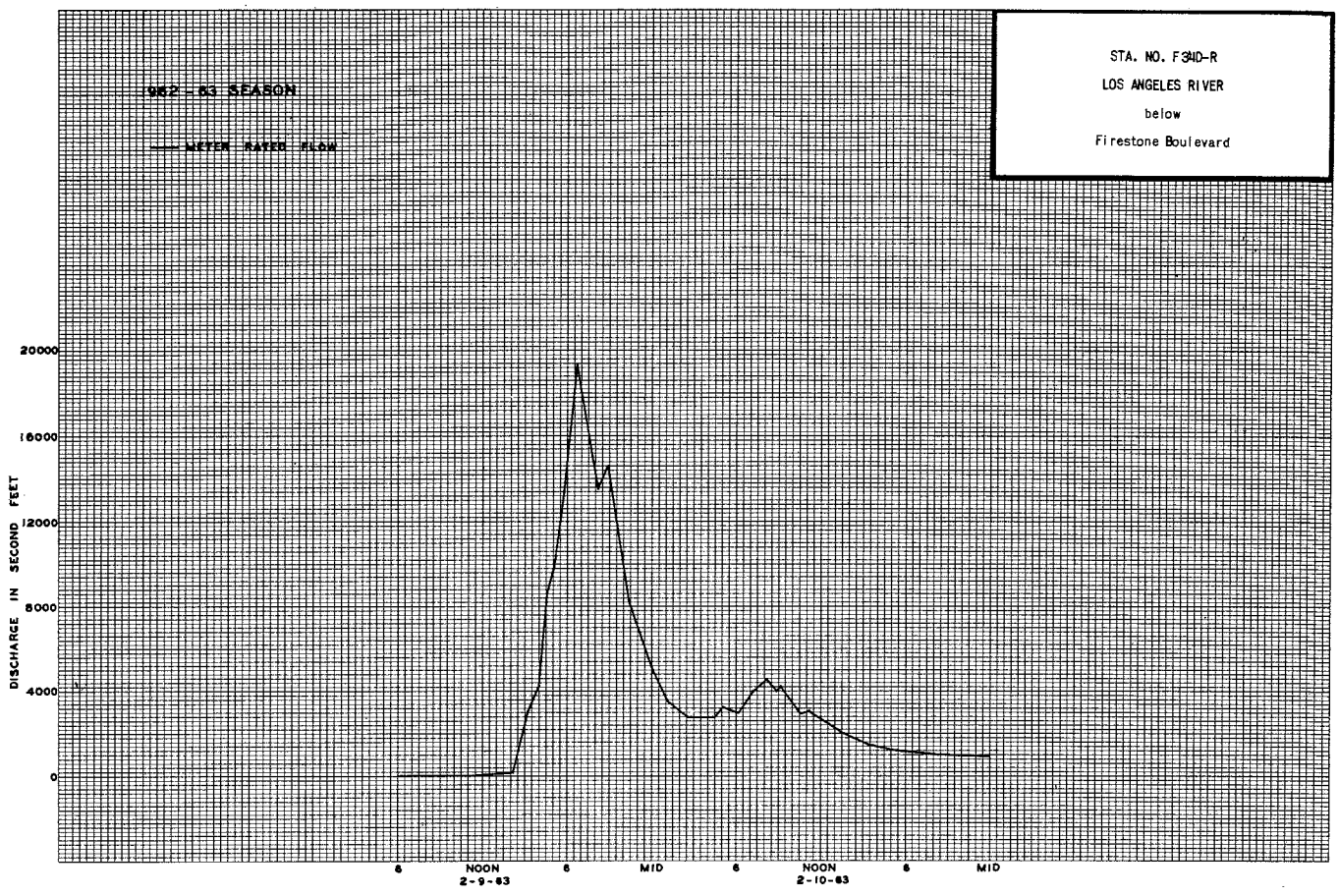
Daily discharge, in second-feet of LOS ANGELES RIVER below Firestone Boulevard, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	9.5	10.0	b 4.4	b 266	10.0	9.0	10.0	8.5	8.0	12.8	5.8
2	8.5	9.5	10.5	4.4	30	9.0	9.5	b 11.1	9.0	8.0	10.0	5.5
3	9.0	8.0	12.8	6.9	11.9	9.5	9.5	9.6	10.0	8.0	7.5	8.0
4	9.0	6.7	17.6	7.4	9.8	10.0	7.5	9.1	9.0	6.7	7.0	200
5	9.0	8.0	b 11.6	7.4	12.4	9.0	9.5	8.1	9.0	7.0	8.5	96
6	9.5	8.0	10.0	7.3	12.4	11.5	9.5	9.5	9.0	8.0	9.5	11.0
7	8.0	7.0	10.0	8.8	12.4	15.2	10.0	12.4	8.5	8.5	9.5	6.1
8	9.5	6.7	7.4	7.4	b 12.4	16.8	31	10.9	8.5	9.5	9.0	5.2
9	10.5	8.0	6.8	11.6	4.080	37	12.8	12.8	8.5	10.0	8.0	5.2
10	11.0	6.7	8.6	15.4	2.410	42	11.0	8.4	11.5	9.0	7.0	5.2
11	11.0	6.1	9.2	9.2	b 138	8.5	10.0	6.2	91	10.0	7.5	5.5
12	12.8	6.4	10.8	7.4	b 40	8.5	12.0	7.4	15.2	9.5	9.5	17.4
13	10.0	8.5	10.8	6.8	b 20	9.0	10.0	8.2	9.0	7.0	11.0	6.4
14	28	9.0	8.4	9.3	546	8.0	685	8.6	9.0	7.0	10.5	5.8
15	9.0	8.5	8.4	10.0	b 45	38	145	7.9	9.0	8.0	10.5	6.1
16	9.0	6.7	11.9	11.6	13.4	2.030	b 13.0	7.9	8.5	9.0	10.5	7.0
17	9.5	5.8	11.9	10.8	9.8	1.440	28	6.2	10.0	8.0	7.0	331
18	11.5	6.7	11.6	11.6	7.8	177	12.4	5.1	10.5	8.5	9.0	300
19	10.0	9.0	11.6	7.4	6.8	b 20	b 10.0	5.7	9.0	9.5	10.5	296
20	8.5	10.5	11.6	7.3	6.8	16.0	105	7.6	10.0	9.0	11.0	85
21	7.5	12.0	11.6	9.8	8.3	12.0	290	8.0	11.0	7.5	10.5	11.5
22	9.5	9.0	10.8	11.6	5.6	b 10.0	b 14.0	8.5	11.5	7.0	10.5	6.7
23	9.5	10.0	8.8	11.6	4.3	445	15.4	8.0	11.5	8.0	10.5	6.7
24	9.0	10.5	7.3	10.0	5.3	b 40	14.8	9.0	15.2	8.5	8.0	6.7
25	9.0	10.5	4.9	9.2	7.3	20	b 12.8	8.5	14.4	9.5	7.5	6.4
26	9.0	12.0	5.9	10.0	8.4	10.0	1.190	10.8	13.6	9.5	9.0	7.0
27	6.4	12.0	6.9	9.8	8.9	b 7.1	68	b 12.4	13.6	7.0	9.0	7.0
28	7.0	11.5	7.9	9.8	b 9.4	1.250	10.0	10.0	11.5	7.0	8.5	6.4
29	8.0	12.0	7.9	10.0		56	9.0	9.5	11.0	8.5	8.5	6.1
30	10.0	11.5	7.8	10.0		9.5	9.0	8.0	10.0	9.5	8.0	6.4
31	9.5		b 6.8	b 353		8.0		8.5		13.6	5.8	
	305.7	266.3	298.3	627.2	7,748.6	5,792.6	2,782.7	273.9	396.0	263.8	281.6	1,479.1
MEAN	9.86	8.88	9.62	20.2	277.	187.	92.8	8.84	13.2	8.51	9.08	49.3
ACRE-FEET	606.	528.	592.	1240.	15370.	11490.	5520.	543.	785.	523.	559.	2930.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 56.2
ACRE-FEET 40,690.





STATION F319-R
LOS ANGELES RIVER below Belhart Street

LOCATION: LAT. 33°49'06", LONG. 118°12'06", ON THE RIGHT (WEST) BANK BELOW BELHART STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 11.91 FEET. FORMER STATION, F180-R, WAS LOCATED ON THE PACIFIC COAST HIGHWAY BRIDGE APPROXIMATELY 1.94 MILES DOWNSTREAM.

DRAINAGE AREA: 810 SQUARE MILES (EXCLUDES AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 352.25 FEET WIDE AT BOTTOM WITH 2.25 TO 1 FOOT SLOPED LEVEES; 0.5 FOOT INVERTED BOTTOM TO LOW FLOW CHANNEL 28 FEET WIDE AND 1.0 FOOT DEEP IN CENTER OF CHANNEL. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34D-R AND STATION F45B-R AND DIVERSION TO DOMINGUEZ GAP SPREADING GROUNDS.

RECORDS AVAILABLE: JANUARY 13, 1956 TO SEPTEMBER 30, 1963 AT STATION F319-R. FOR EARLIER RECORDS, OCTOBER 31, 1931 TO JANUARY 13, 1956, SEE STATION F180-R. PRIOR TO 1931, SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 42,200 SECOND-FEET, FEBRUARY 12.
MINIMUM 0.1 SECOND-FEET, DECEMBER 11.
1962-63
MAXIMUM 31,420 SECOND-FEET FEBRUARY 9.
MINIMUM 1.0 SECOND-FEET SEPTEMBER 16.
1931-63 (STATION F180-R)
MAXIMUM 99,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES IN 1930-31 AND 1933-34.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F319-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Belhart Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	53	71	6.0	21	48	16.2	17.8	2.0	b 9.0	12.0	a 10.0
2	1.4	12.0	3350	8.0	15.4	51	17.8	17.0	2.0	8.5	12.0	9.5
3	3.6	15.4	587	11.5	12.0	54	21	17.8	2.0	12.0	11.0	11.1
4	1.8	13.8	41	16.2	9.5	49	23	17.8	3.1	10.0	9.0	12.5
5	3.1	9.0	18.6	14.6	11.0	51	22	17.0	17.0	b 10.0	9.0	11.7
6	1.4	8.5	15.4	14.6	13.8	1100	35	13.0	17.0	15.4	9.5	a 11.1
7	1.0	12.0	13.0	12.0	432	110	23	13.8	18.6	13.0	10.5	15.4
8	0.6	12.0	7.6	12.0	8730	48	21	20	16.2	9.0	11.0	13.8
9	0.6	12.5	2.6	14.6	3570	39	18.6	22	15.4	8.0	12.0	12.5
10	1.2	11.5	1.0	15.4	10150	98	19.4	22	12.0	12.0	11.5	11.5
11	1.0	9.0	0.7	13.0	14750	20	20	19.4	11.5	12.5	9.5	12.5
12	3.1	7.2	3.1	14.6	8090	17.8	20	16.2	11.0	12.0	8.0	14.6
13	1.6	8.5	2.0	193	2440	19.4	22	11.5	11.0	11.5	9.5	14.6
14	1.3	11.0	146	23	659	23	20	11.5	a 10.5	11.5	12.5	12.5
15	0.7	11.0	109	12.0	4900	24	17.0	74	a 10.0	9.5	13.6	11.5
16	1.0	11.5	10.5	17.8	1960	23	17.0	27	a 10.0	12.0	13.8	10.0
17	2.2	11.0	6.0	17.8	254	19.4	21	100	9.5	13.8	13.8	12.0
18	2.4	8.5	6.0	17.0	142	198	21	17.0	9.0	15.4	12.5	13.0
19	2.4	6.8	9.0	12.0	7180	627	21	12.5	12.0	16.2	10.0	13.8
20	2.8	3000	9.5	3020	1320	72	19.4	9.0	11.0	15.4	11.0	13.8
21	2.4	327	56	422	953	190	15.4	8.5	10.5	12.5	13.8	15.4
22	1.6	22	12.0	1920	82	45	17.0	5.3	11.0	10.0	13.0	11.0
23	2.2	11.0	8.0	806	146	174	15.4	4.5	10.0	10.0	12.5	9.5
24	4.1	8.5	6.8	35	122	42	23	3.3	8.5	12.5	12.5	10.0
25	6.0	1530	6.4	23	157	23	21	3.1	9.0	12.5	12.0	12.5
26	6.4	363	7.6	13.8	110	20	20	2.8	12.0	12.5	8.5	13.0
27	6.8	53	10.5	13.8	60	23	21	2.4	13.0	12.0	9.5	13.8
28	5.7	19.4	10.5	11.0	60	24	19.4	2.2	b 12.0	10.0	11.0	13.8
29	3.1	14.6	11.5	12.0		23	13.8	2.2	b 12.0	10.0	12.0	11.5
30	3.3	254	9.5	21		21	16.2	2.2	b 11.0	10.5	11.5	12.0
31	6.0		7.2	28		17.8		2.0		12.5	12.0	
	81.8	4555.0		66349.7			597.6		319.8		350.2	
	5846.7		6770.7		3294.4			514.8		361.7		369.9
MEAN	2,64	135.	147.	218.	2370.	106.	19.9	16.6	10.7	11.7	11.3	12.3
ACRE-FEET	162.	11600.	9040.	13430.	131600.	6530.	1190.	1020.	634.	717.	695.	734.

Remarks:

YEAR OR PERIOD MEAN 245.
ACRE-FEET 177,400.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

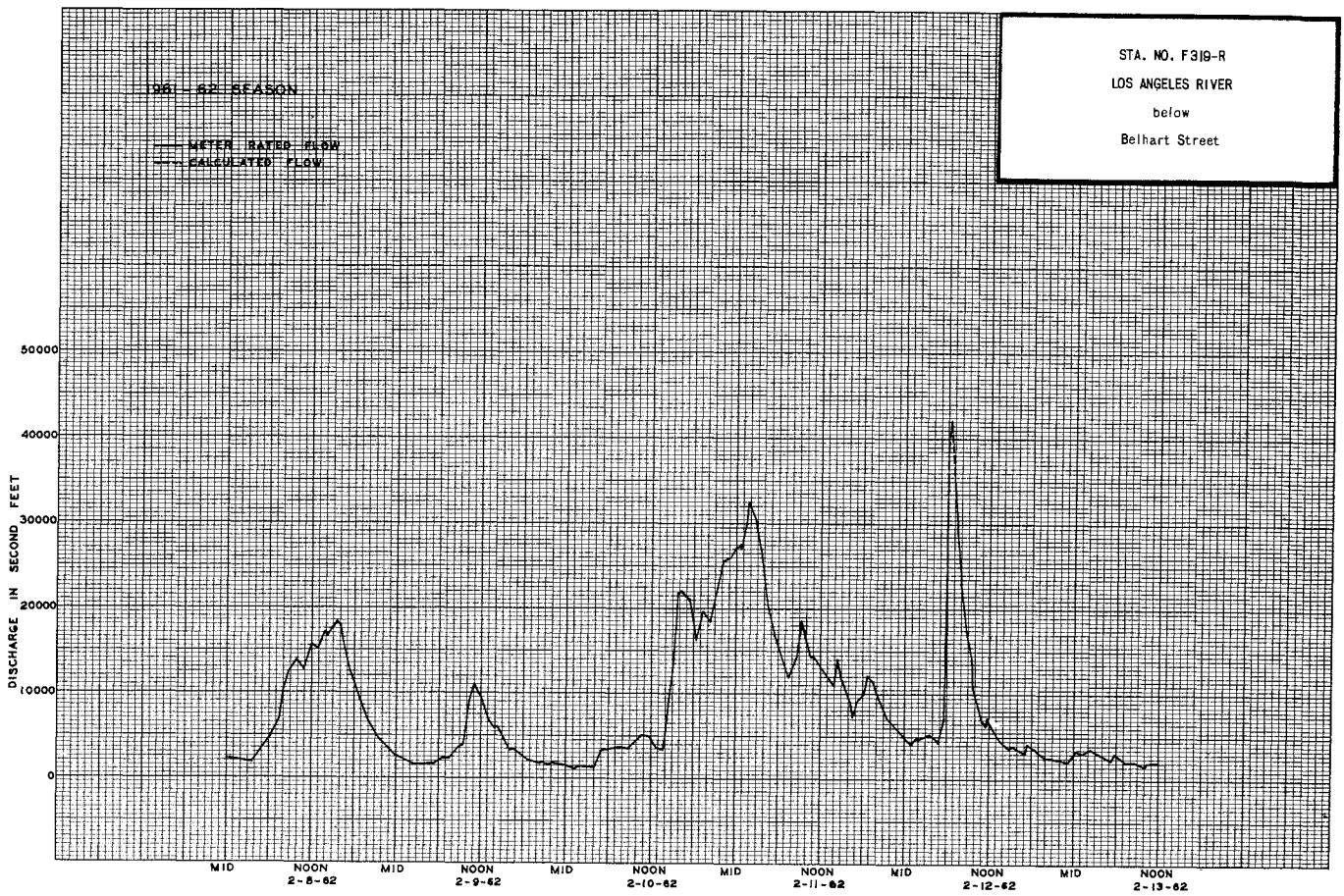
Sta. No. F319-R

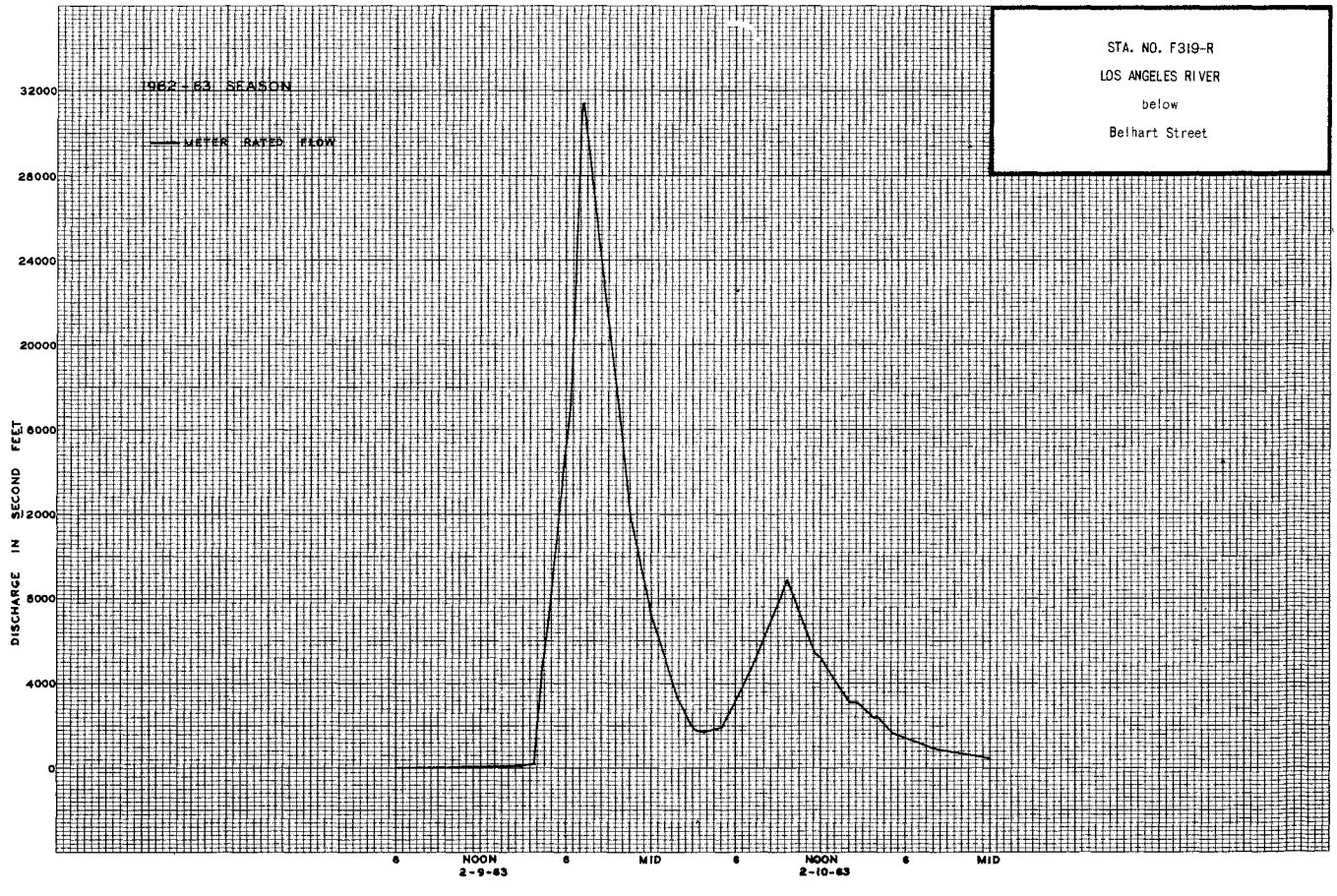
Daily discharge, in second-feet of LOS ANGELES RIVER below Belhart Street, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14.6	13.8	13.8	9.0	525	6.8	12.0	17.8	11.5	13.0	23	2.6
2	17.0	13.8	11.0	9.0	171	6.8	19.4	9.5	11.0	16.2	17.0	2.0
3	14.6	11.5	11.0	11.5	14.6	3.6	18.6	6.0	13.8	17.8	13.8	3.1
4	13.0	9.5	15.4	12.0	12.5	3.8	17.0	5.7	13.0	13.0	13.0	289
5	13.8	11.0	16.2	12.0	17.0	5.3	15.4	3.8	13.0	9.5	16.2	113
6	15.4	14.6	14.6	10.0	17.0	5.3	12.0	7.2	12.5	12.5	23	17.8
7	10.0	13.8	14.6	11.5	10.5	10.5	8.5	13.0	11.5	10.5	22	10.0
8	9.0	11.5	12.0	12.0	4.1	10.5	42	12.5	12.0	12.0	18.6	6.8
9	13.8	13.0	9.5	16.2	5480	31	51	15.4	10.0	16.2	16.2	6.4
10	12.0	11.5	11.5	20	3300	59	23	11.0	12.0	16.2	13.8	4.5
11	13.0	9.5	13.8	13.8	299	13.0	15.4	9.0	156	16.2	12.5	1.4
12	16.2	10.0	15.4	12.0	71	13.0	16.2	8.5	42	17.0	12.5	6.0
13	12.5	11.5	15.4	9.5	50	15.4	11.5	9.5	16.2	13.8	17.0	14.1
14	11.0	13.8	13.0	12.0	703	13.8	707	12.0	11.5	12.0	16.2	1.8
15	35	13.0	13.0	14.6	84	104	212	11.5	12.0	13.8	17.8	1.2
16	11.0	12.5	14.6	16.2	17.0	2250	26	11.5	11.5	17.8	18.6	1.8
17	10.0	10.5	14.6	15.4	12.5	1450	45	11.0	12.5	16.2	13.0	603
18	13.0	9.5	16.2	16.2	10.5	125	17.0	9.0	16.2	16.2	12.5	365
19	11.0	10.5	16.2	12.0	11.5	b 50	14.6	7.6	16.2	19.4	13.8	339
20	9.5	13.8	16.2	10.0	11.5	b 35	12.0	9.5	15.4	16.2	18.6	94
21	6.4	16.2	16.2	12.5	13.0	f 20	435	12.0	14.6	12.5	17.8	27
22	7.2	13.0	13.8	16.2	10.5	18.6	27	12.5	17.0	12.5	18.6	18.6
23	11.0	11.5	11.5	16.2	9.0	786	20	12.0	13.8	16.2	18.6	20
24	12.0	a 9.2	10.0	14.6	8.0	b100	19.4	13.0	17.8	18.6	15.4	10.0
25	11.5	9.3	9.5	13.8	10.0	b 50	17.4	12.5	26	21	12.5	2.6
26	11.5	13.9	10.5	14.6	13.0	b 20	1700	13.0	21	21	13.8	7.2
27	9.0	13.8	11.5	12.5	7.6	f 16.2	76	14.6	23	18.6	13.8	12.5
28	9.0	13.6	12.5	12.5	7.2	1740	17.0	19.4	21	16.2	14.6	10.5
29	11.0	a 14.9	12.5	14.6		58	b 17.8	17.0	19.4	13.0	11.5	8.0
30	15.4	16.2	10.5	14.6		b 40	b 23	11.5	16.2	18.6	7.6	9.0
31	15.4		9.5	443		b 20		10.0		22	4.1	
	394.8	406.0		10.900.0			3648.2		619.6		477.4	
	370.2		840.0		7,080.6			348.5		485.7		2007.9
MEAN	12.7	12.3	13.1	27.1	389.	228.	122.	11.2	20.7	15.7	15.4	66.8
ACRE-FEET	783.	734.	805.	1670.	21620.	14040.	7240.	691.	1230.	963.	947.	3980.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 75.6
ACRE-FEET 54,700.


STA. NO. F319-R
LOS ANGELES RIVER
below
Belhart Street
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
50000
40000
30000
20000
10000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-13-62


STA. NO. F319-R
LOS ANGELES RIVER
below
Belhart Street
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
32000
28000
24000
20000
16000
12000
8000
4000
0
6
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID

STATION F279C-R
LOS CERRITOS CHANNEL at Stearns Street

LOCATION: LAT. 33°47'43", LONG. 118°06'10", ON THE RIGHT (WEST) BANK, SEVEN FEET ABOVE STEARNS STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 4.37 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, 122 FEET WIDE AT TOP OF LEVEES, 88 FEET WIDE AT CHANNEL BOTTOM, 10 FEET DEEP.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT SEVENTH STREET, RECORDER RECORDS NOVEMBER 23, 1942 TO JUNE 1, 1949. STREAM FLOW RECORDS AVAILABLE AT ATHERTON STREET, JUNE 1, 1949 TO MAY 26, 1955; AT STEARNS STREET, OCTOBER 26, 1955 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2080 SECOND-FEET FEBRUARY 8.
MINIMUM NO FLOW DECEMBER 11.
1962-63
MAXIMUM 3610 SECOND-FEET FEBRUARY 10.
MINIMUM PLUS FLOW DECEMBER 26.
1949-63
MAXIMUM 3610 SECOND-FEET FEBRUARY 10, 1963.
MINIMUM DRY PART OF MOST YEARS.

ACCURACY: GOOD.

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

FAD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	2.5	1.0	0.2	0.5	0.2	0.4	0.5	1.6	1.0	1.2	0.8
2	0.4	2.5	182	0.4	0.6	0.3	0.4	1.0	1.9	1.6	0.8	0.6
3	0.4	3.2	14.5	0.3	0.8	0.2	0.3	0.4	0.6	1.0	1.0	0.6
4	1.0	2.5	0.8	0.2	0.6	0.4	0.3	0.4	0.8	0.8	1.0	0.8
5	4.7	0.8	0.5	0.2	1.0	0.5	0.4	0.4	1.0	0.8	1.0	0.6
6	4.9	2.1	0.4	0.4	0.8	140	0.4	0.4	1.9	0.8	0.5	0.6
7	23	2.3	0.4	0.2	47	3.7	0.4	0.4	0.8	1.2	1.2	1.0
8	12.0	1.9	0.2	0.4	695	1.0	0.4	0.4	0.6	1.0	1.0	0.8
9	1.9	2.1	0.4	0.2	157	0.5	0.3	0.5	0.8	0.8	1.0	0.5
10	0.5	2.1	0.1	0.3	730	0.5	0.4	0.4	1.0	1.2	2.1	0.6
11	0.4	2.3		0.4	426	0.4	0.3	0.4	1.2	0.8	0.8	0.5
12	0.3	0.6	0.2	1.5	53	0.4	0.3	0.4	1.4	0.5	0.4	0.6
13	0.4	2.3	0.1	8.8	4.6	0.5	0.4	0.4	1.6	1.0	0.5	0.4
14	1.9	2.5	20	0.4	4.6	0.6	0.4	1.9	1.2	0.8	0.5	0.4
15	8.2	1.6	1.4	0.1	402	0.2	0.4	0.6	1.0	0.5	0.8	0.4
16	7.0	1.9	0.5	0.1	39	0.2	0.4	0.4	1.0	0.6	0.6	0.5
17	2.1	0.6	0.4	0.4	3.7	0.2	0.3	0.3	0.8	0.6	1.0	1.0
18	0.8	0.8	0.5	0.3	2.1	66	0.4	0.4	1.0	0.8	1.0	2.3
19	0.5	0.6	0.4	0.5	271	2.7	0.3	0.4	1.4	1.0	0.6	1.6
20	0.5	124	0.4	249	122	0.6	0.2	0.4	0.8	0.8	0.6	2.1
21	3.1	2.1	0.4	74	56	2.7	0.3	0.4	1.6	1.2	0.8	1.2
22	0.3	1.2	0.3	126	7.0	2.7	0.4	0.5	1.4	0.8	1.0	0.5
23	0.3	0.3	0.2	16.4	1.9	1.9	0.5	0.5	0.6	0.8	1.0	0.5
24	0.4	0.1	0.2	1.2	1.6	0.4	0.4	0.8	0.8	1.0	1.0	0.8
25	1.0	8.5	0.2	0.8	1.9	0.5	0.4	1.0	0.6	1.0	1.0	1.0
26	0.4	14.0	0.2	0.5	1.6	0.4	0.8	0.8	1.0	0.8	0.8	1.0
27	0.5	0.5	0.1	0.6	0.8	0.5	0.5	0.6	1.4	1.0	1.0	1.0
28	1.2	0.3	0.1	0.5	0.4	0.5	0.4	0.5	0.8	1.0	1.9	0.8
29	0.5	0.2	1.6	0.4		0.8	0.4	0.6	1.4	0.8	0.5	0.8
30	2.1	0.4	0.4	0.5		0.6	0.4	1.4	1.0	0.8	0.8	0.8
31	2.3		0.2	0.6		0.4		0.6		1.0	0.8	
	835	2633	2281	485.8	30325	2305	11.6	18.3	33.0	27.8	28.2	25.6
MEAN	2.69	8.78	7.36	15.7	108.	7.44	0.39	0.61	1.10	0.90	0.90	0.85
ACRE-FEET	166.	522.	452.	963.	6015.	457.	23.	36.	65.	55.	56.	51.

Remarks:

YEAR OR PERIOD MEAN 12.3
ACRE-FEET 8860.

76D16M C(6 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

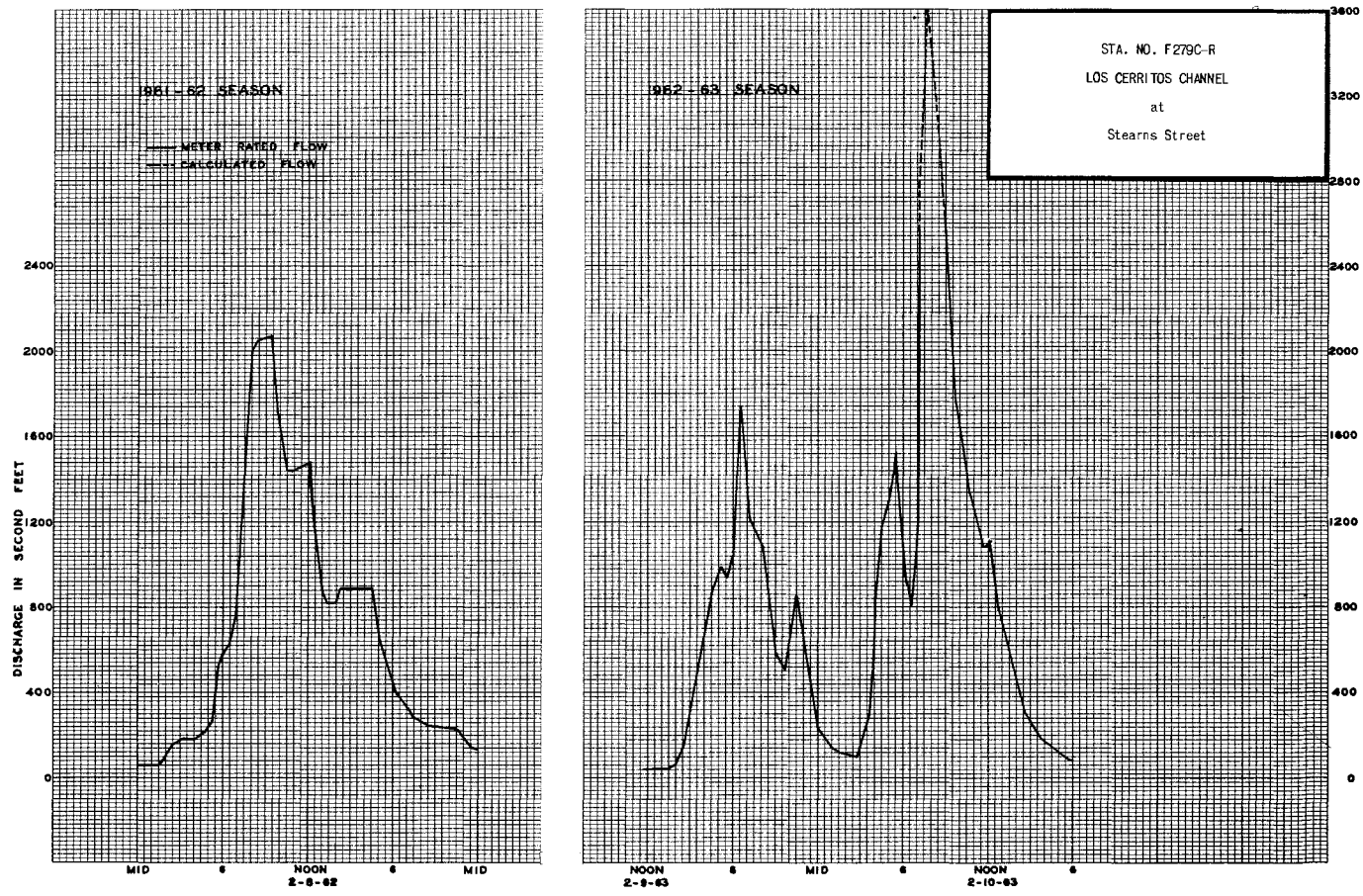
Sta. No. F279C-R

Daily discharge, in second-feet of LOS CERRITOS CHANNEL at Stearns Street, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.5	0.5	0.4	27	0.2	0.4	0.8	0.4	0.8	1.2	0.8
2	1.2	1.2	0.4	0.5	0.6	0.2	0.4	1.0	0.4	1.2	1.9	0.5
3	0.5	0.8	0.6	1.2	0.2	0.1	0.2	1.2	0.4	1.0	1.0	1.0
4	0.5	0.4	0.8	0.6	0.2	+	0.2	1.2	0.4	1.2	1.4	32
5	0.5	0.4	1.0	0.5	0.2	+	0.3	0.6	0.4	0.8	1.2	1.0
6	0.4	0.5	0.5	0.5	0.3	0.1	0.3	0.5	0.4	1.0	1.4	0.6
7	0.5	0.5	0.5	0.5	0.2	0.1	0.3	0.6	0.4	0.8	1.4	0.8
8	0.5	0.5	0.8	1.0	0.2	0.1	0.4	0.6	0.4	0.8	1.2	1.0
9	0.5	0.5	0.6	0.6	325	0.2	0.4	0.8	0.4	1.0	1.6	1.2
10	0.5	0.5	0.5	0.5	720	0.2	0.2	0.8	0.4	1.2	1.4	1.6
11	0.6	0.5	0.6	0.5	12.8	0.1	0.1	0.6	58	0.8	1.4	1.6
12	0.5	0.5	1.2	0.2	2.5	0.1	0.2	0.5	0.6	0.8	1.6	2.1
13	0.5	0.5	0.8	0.4	2.5	0.2	0.2	0.4	0.5	0.6	1.2	1.0
14	0.5	0.6	0.5	0.3	51	0.2	9.8	0.3	0.4	0.6	1.9	1.0
15	0.6	0.5	0.8	0.5	1.9	1.4	4.0	0.3	0.4	0.6	1.2	1.0
16	0.4	0.5	1.9	0.5	0.8	208	0.4	0.3	0.5	0.8	1.4	1.0
17	0.4	0.5	1.6	0.5	0.5	50	24	0.4	0.5	0.8	1.6	136
18	0.4	0.5	1.2	0.5	1.2	0.8	0.3	0.4	0.5	1.2	1.0	4.1
19	0.4	0.5	2.5	0.5	0.6	0.5	0.3	0.5	0.6	1.4	1.2	14.7
20	0.4	0.5	2.7	0.5	0.5	0.5	2.4	0.4	0.5	1.4	2.1	1.4
21	0.5	0.5	2.1	0.5	0.4	1.4	6.4	0.5	0.6	0.8	1.6	1.2
22	0.4	0.6	0.8	0.6	0.3	0.8	0.2	0.5	1.0	0.8	1.9	1.2
23	0.5	0.5	0.4	0.6	0.3	50	0.2	0.5	0.4	1.0	1.9	1.4
24	0.5	0.5	0.3	1.2	0.4	0.3	0.2	0.5	0.5	1.0	2.1	1.2
25	0.5	0.6	0.2	2.7	0.2	0.3	0.2	0.4	1.2	0.8	1.0	0.6
26	0.5	0.5	+	0.5	0.4	0.4	85	0.3	1.2	0.6	2.1	2.1
27	0.6	0.5	0.2	0.4	0.2	0.4	0.8	0.3	0.6	0.6	0.8	2.5
28	0.5	0.5	0.3	0.5	0.2	226	0.4	0.4	0.8	1.2	0.6	1.6
29	0.5	0.5	0.4	0.4		1.9	0.3	0.4	1.0	1.2	0.5	1.2
30	0.4	0.5	0.3	0.6		0.4	0.5	0.4	0.8	1.2	1.4	1.0
31	0.4		0.4	30		0.4		0.3		1.2	1.0	
	16.3	16.1	25.6	48.7	1150.6	545.3	139.0	16.7	74.6	29.2	43.2	218.4
MEAN	0.53	0.54	0.83	1.57	41.1	17.6	4.63	0.54	2.49	0.94	1.44	7.28
ACRE-FEET	32.	32.	51.	97.	2280.	1080.	276.	33.	148.	58.	86.	433.

Remarks:

YEAR OR PERIOD MEAN 6.37
ACRE-FEET 4610.



STATION F130-R
MALIBU CREEK below Cold Creek

LOCATION: LAT. 34°04'38", LONG. 118°42'03", AT UPPER END OF MALIBU GORGE, ABOUT 0.2 MILE DOWNSTREAM FROM COLD CREEK, AND 6 MILES SOUTHWEST OF CALABASAS. ELEVATION OF ZERO GAGE HEIGHT, 432.82 FEET: (FORMERLY KNOWN AS MALIBU CREEK AT CRATER CAMP.)

DRAINAGE AREA: 103 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COARSE SAND AND GRAVEL LINED WITH BRUSH AND TREES. ARTIFICIAL CONTROL BELOW STATION INSTALLED JULY 1954.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

RECORDS AVAILABLE: JANUARY 17, 1931 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7060 SECOND-FEET FEBRUARY 10.
MINIMUM 0.03 SECOND-FOOT JULY 6.
1962-63
MAXIMUM 104 SECOND-FEET MARCH 16.
MINIMUM PLUS FLOW VARIOUS TIMES OF YEAR.
1931-63
MAXIMUM 13,560 SECOND-FEET MARCH 15, 1952.
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.

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK below Cold Creek, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.06	0.01	0.2	0.2	0.5	51	12	4.8	3.5	1.2	0.6	0.3
2	0.06	0.01	41	0.2	0.5	47	11	5.8	3.3	1.2	0.6	0.2
3	0.06	0.01	0.6	0.2	0.5	42	11	4.8	3.0	1.0	0.5	0.2
4	0.06	0.01	0.2	0.2	0.5	38	11	4.2	2.6	1.0	0.5	0.2
5	0.06	0.01	0.2	0.2	0.5	35	9.7	3.5	2.6	1.0	0.5	0.2
6	0.06	0.01	0.2	0.2	0.5	60	8.9	3.0	2.6	0.8	0.5	0.2
7	0.06	0.01	0.2	0.3	0.6	45	8.0	3.0	2.4	0.8	0.4	0.2
8	0.03	0.01	0.2	0.3	118	36	7.4	2.6	2.4	0.8	0.4	0.2
9	0.03	0.01	0.2	0.2	350	33	7.1	2.6	2.4	0.8	0.4	0.2
10	0.02	0.01	0.2	0.2	3920	29	7.1	2.4	2.4	0.8	0.4	0.2
11	0.02	0.01	0.2	0.2	2500	26	6.4	2.4	2.4	0.8	0.4	0.2
12	0.02	0.01	0.2	0.2	1050	24	6.1	2.3	2.4	1.0	0.4	0.2
13	0.02	0.01	0.2	0.2	310	24	5.5	2.3	2.4	0.8	0.3	0.2
14	0.02	0.01	0.2	0.2	171	23	5.2	2.4	2.4	0.8	0.3	0.2
15	0.01	0.01	0.2	0.2	447	21	5.8	2.6	2.8	0.8	0.3	0.2
16	0.01	0.01	0.2	0.2	345	20	5.5	2.6	2.8	0.8	0.3	0.2
17	0.01	0.01	0.2	0.2	203	19	2.8	2.6	2.4	0.8	0.3	0.2
18	0.01	0.01	0.2	0.2	142	19	2.6	2.4	2.1	0.8	0.3	0.2
19	0.01	0.01	0.2	0.2	1110	19	4.2	2.0	1.8	0.8	0.3	0.2
20	0.01	2.4	0.2	12	327	21	4.8	1.9	1.7	0.8	0.3	0.2
21	0.01	0.2	0.2	0.8	212	22	4.4	2.1	1.7	0.6	0.3	0.2
22	0.01	0.03	0.2	8.9	167	19	3.9	2.1	1.7	0.6	0.3	0.3
23	0.01	0.03	0.2	4.1	125	19	3.7	2.1	1.7	0.6	0.3	0.3
24	0.01	0.03	0.2	1.0	102	17	3.5	2.1	1.7	0.6	0.3	0.3
25	0.01	6.8	0.2	0.8	90	16	3.7	2.1	1.7	0.6	0.3	0.3
26	0.01	0.6	0.2	0.6	80	15	3.7	2.3	1.5	0.6	0.3	0.3
27	0.01	0.1	0.2	0.5	71	14	3.7	2.6	1.4	0.6	0.3	0.3
28	0.01	0.1	0.2	0.4	61	14	3.9	2.8	1.4	0.6	0.3	0.3
29	0.01	0.1	0.2	0.4		13	4.6	3.3	1.2	0.6	0.3	0.3
30	0.01	0.1	0.2	0.4		13	5.2	3.7	1.2	0.6	0.3	0.3
31	0.01		0.2	0.5		12		3.7		0.6	0.3	
	0.75	10.68	47.4	34.4	11904.8	806.0	182.4	89.3	65.8	24.2	11.3	7.0
MEAN	0.02	0.36	2.58	2.16	425.1	26.0	6.08	2.88	2.19	0.78	0.36	0.23
ACRE-FEET	1.5	21.	94.	68.	23610.	1600.	362.	177.	131.	48.	22.	15.

Remarks:

YEAR OR PERIOD MEAN 36.3
ACRE-FEET 26,150.

7RDT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

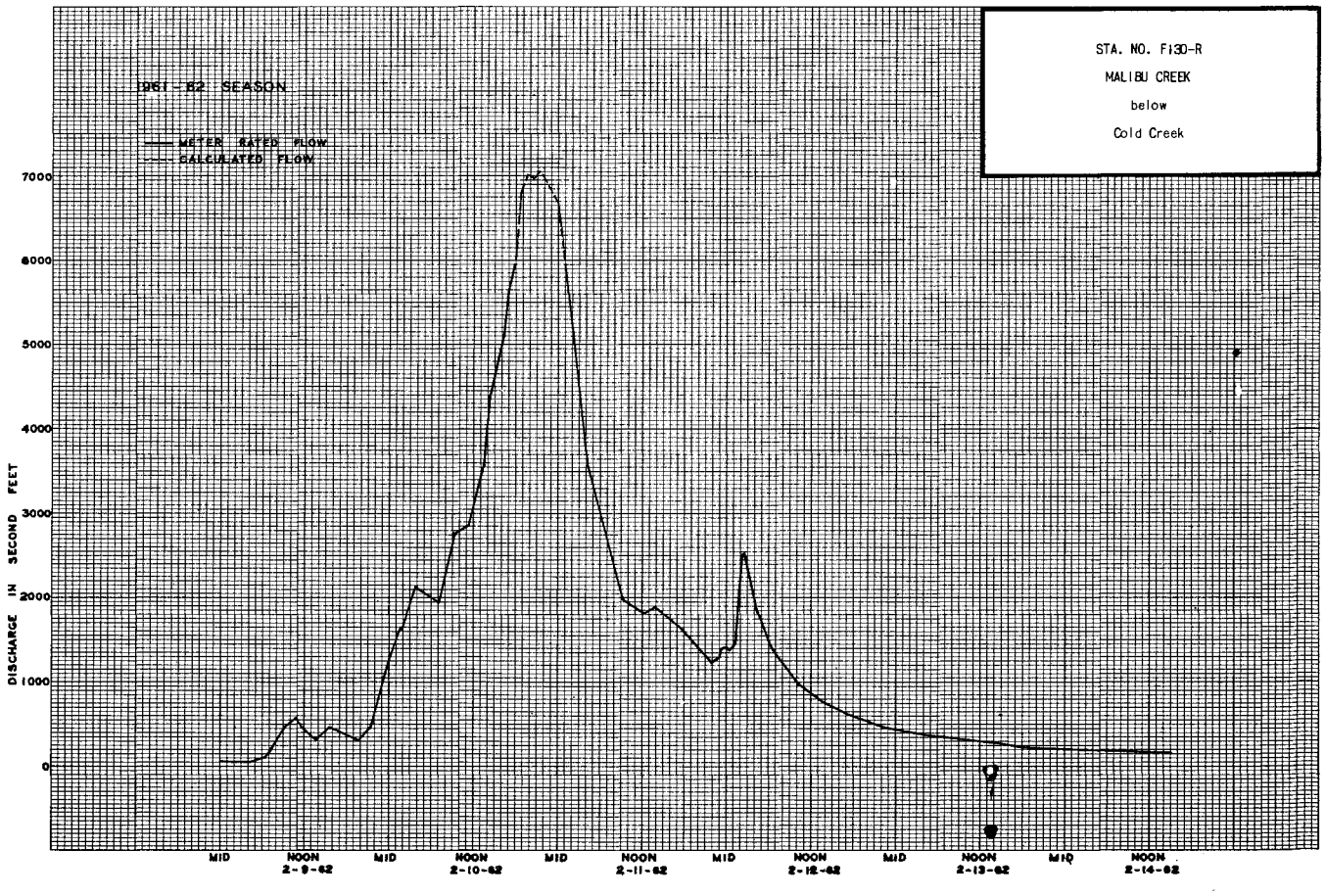
Sta. No. F130-R

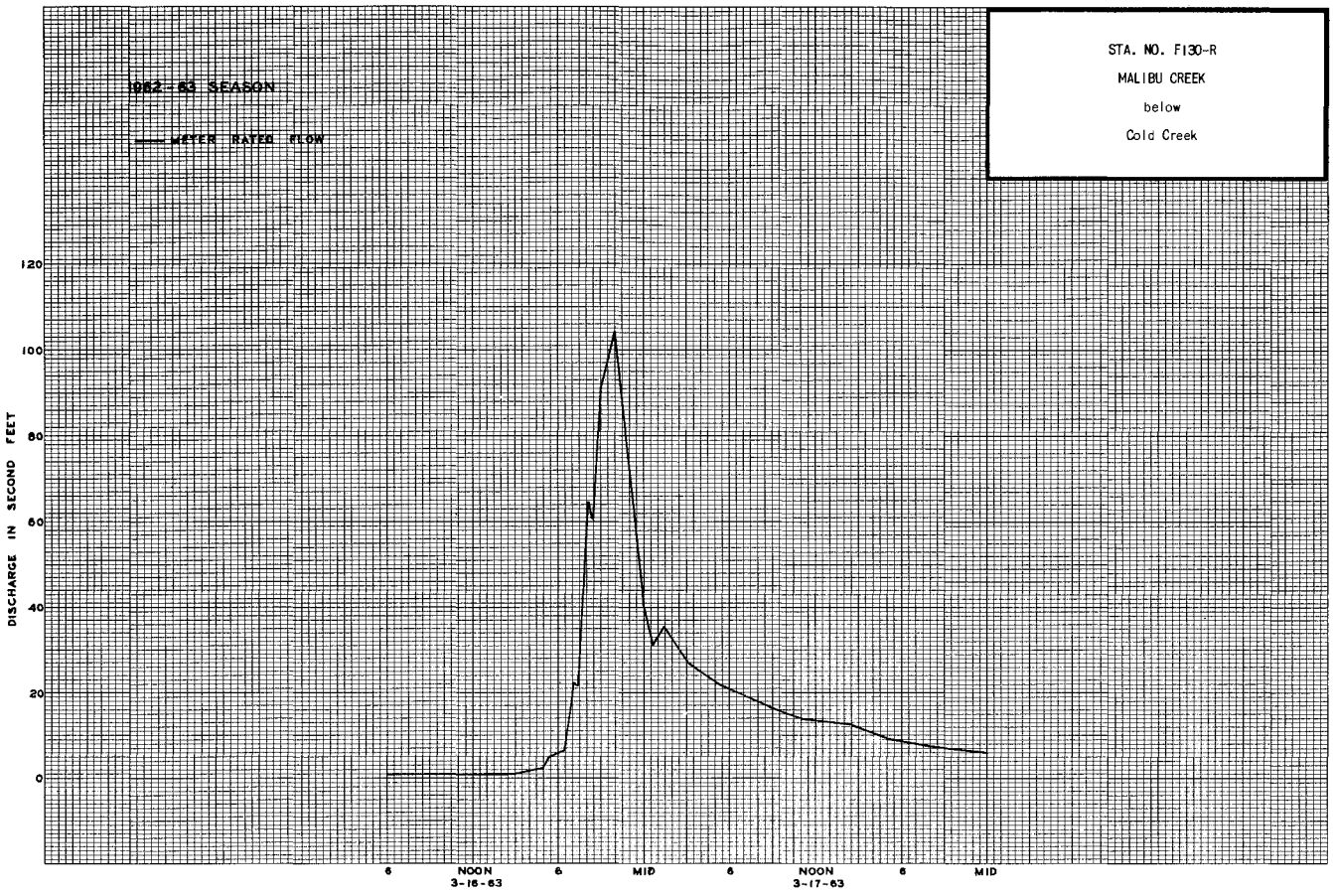
Daily discharge, in second-feet of MALIBU CREEK below Cold Creek, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.2	0.3	0.4	0.4	1.0	2.8	1.5	0.8	0.5	0.3	0.3
2	0.2	0.2	0.3	0.4	0.4	1.0	2.4	1.5	0.8	0.5	0.3	0.3
3	0.2	0.2	0.3	0.4	0.4	1.0	2.3	1.5	0.8	0.4	0.3	0.3
4	0.2	0.2	0.3	0.4	0.4	1.0	2.1	1.5	0.8	0.4	0.3	0.3
5	0.2	0.2	0.3	0.4	0.5	1.0	2.0	1.7	0.8	0.06	0.2	0.3
6	0.2	0.2	0.3	0.4	0.5	1.0	2.0	1.7	0.8	0.03	0.2	0.3
7	0.2	0.2	0.3	0.4	0.5	0.8	2.0	1.7	0.8	0.2	0.3	0.3
8	0.2	0.2	0.4	0.4	0.5	0.8	1.8	1.7	0.8	0.2	0.6	0.2
9	0.2	0.2	0.3	0.4	18	0.8	1.7	1.7	0.8	0.3	0.3	0.2
10	0.2	0.3	0.3	0.4	24	0.8	1.7	1.5	0.8	0.4	0.3	0.2
11	0.2	0.3	0.3	0.4	8.4	0.8	1.5	1.4	1.5	0.4	0.3	0.2
12	0.2	0.2	0.4	0.3	4.0	0.8	1.5	1.4	1.0	0.4	0.2	0.2
13	0.2	0.3	0.3	0.3	2.3	0.8	1.4	1.4	0.8	0.4	0.2	0.2
14	0.3	0.3	0.3	0.3	2.1	0.8	1.8	1.4	0.8	0.4	0.2	0.2
15	0.3	0.2	0.3	0.4	1.8	0.8	1.7	1.4	0.8	0.4	0.2	0.2
16	0.2	0.2	0.3	0.4	1.7	16	1.5	1.4	0.8	0.4	0.2	0.06
17	0.2	0.1	0.3	0.4	1.7	16	1.5	1.4	0.8	0.4	0.2	0.06
18	0.2	0.1	0.3	0.4	1.4	3.7	1.4	1.4	0.8	0.4	0.2	0.06
19	0.2	0.2	0.3	0.4	1.4	2.3	1.4	1.4	0.8	0.4	0.2	0.3
20	0.2	0.2	0.3	0.4	1.4	1.8	1.9	1.0	0.8	0.3	0.2	0.2
21	0.2	0.2	0.3	0.4	1.4	1.5	2.1	1.0	0.8	0.4	0.3	0.2
22	0.1	0.4	0.3	0.4	1.2	1.7	1.5	1.0	0.6	0.3	0.3	0.2
23	0.1	0.4	0.3	0.4	1.2	2.0	1.4	1.0	0.6	0.3	0.3	0.3
24	0.1	0.4	0.3	0.4	1.0	1.5	1.4	1.0	0.6	0.3	0.4	0.3
25	0.1	0.3	0.3	0.4	1.2	1.5	2.6	1.0	0.6	0.3	0.4	0.3
26	0.1	0.3	0.3	0.4	1.0	1.5	7.2	1.0	0.6	0.3	0.4	0.2
27	0.2	0.4	0.3	0.4	1.0	1.5	2.3	1.0	0.6	0.3	0.3	0.2
28	0.2	0.4	0.3	0.4	1.0	11	1.8	1.0	0.6	0.3	0.3	0.2
29	0.2	0.3	0.3	0.4		6.1	1.7	1.0	0.6	0.3	0.3	0.2
30	0.2	0.3	0.3	0.4		4.2	1.5	0.8	0.6	0.3	0.3	0.2
31	0.2		0.4	0.6		3.3		0.8		0.3	0.3	
	6.0	7.7	9.6	12.3	80.8	88.8	59.9	40.2	23.1	10.29	8.8	6.68
MEAN	0.19	0.26	0.31	0.40	2.89	2.86	2.00	1.30	0.77	0.33	0.28	0.22
ACRE-FEET	12.	15.	19.	24.	160.	176.	119.	80.	46.	20.	17.	13.

Remarks:

YEAR OR PERIOD MEAN 0.97
ACRE-FEET 701.





STATION P346-R

Millard Creek above Arroyo Seco

LOCATION: LAT. 34°12'17", LONG. 118°09'52", ON THE RIGHT (NORTHERLY) BANK 250 FEET ABOVE ARROYO SECO CANYON ROAD, 4½ MILES NORTHWEST OF PASADENA. ELEVATION OF ZERO GAGE HEIGHT 1215.±.

DRAINAGE AREA: 2.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL.
CONTROL - CONCRETE DIVERSION WEIR 20.1 FEET WIDE AT STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM ARROYO SECO CANYON ROAD BRIDGE.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO OCTOBER 19, 1962 AND FROM DECEMBER 17, 1962 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: LINCOLN AVENUE WATER CO. AND CITY OF PASADENA DIVERT LOW FLOWS FOR DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 1, 1961 TO OCTOBER 19, 1962; DECEMBER 17, 1962 TO SEPTEMBER 30, 1963. RECORDER RECORDS ONLY, JANUARY 15, 1960 TO OCTOBER 1, 1961.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 100 SECOND FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 132 SECOND FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1960-63
MAXIMUM 132 SECOND-FEET FEBRUARY 9, 1963.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR

REMARKS: CITY OF PASADENA DIVERTED 30 ACRE-FEET ABOVE THE STATION DURING 1961-62. THERE WAS NO DIVERSION BY PASADENA DURING 1962-63. LINCOLN AVENUE WATER CO. DIVERTED 214 ACRE-FEET DURING 1961-62 AND 96 ACRE-FEET DURING 1962-63.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE CITY OF PASADENA IN COOPERATION WITH THE FLOOD CONTROL DISTRICT. THE STATE DEPARTMENT OF WATER RESOURCES, AND THE UNITED STATES FORESTRY SERVICE.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P346-R

Daily discharge, in second-feet of MILLARD CREEK above Arroyo Seco, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0.1	c 2.0	c 0.2	c 0.1	+	+	0	0
2	0	0	0.6	0	0.1	1.0	0.2	0.1			0	0
3	0	0	+	0	0.1	0.5	0.2	0.1			0	0
4	0	0		0	0.1	0.5	0.2	0.1			0	0
5	0	0		0	0.1	0.5	0.2	0.1			0	0
6	0	0	+	0	0.2	2.0	0.2	0.1			0	0
7	0	0	0	0	a 1.0	1.0	0.2	0.1			0	0
8	0	0	0	0	a 2.0	0.5	0.3	0.1			0	0
9	0	0	0	0	a 3.0	0.5	0.3	0.1			0	0
10	0	0	0	0	2.2	0.5	0.3	0.1			0	0
11	0	0	0	0	6.4	0.4	0.3	0.1		+	0	0
12	0	0	0	0	2.5	0.4	0.3	0.1		0	0	0
13	0	0	0	+	b 1.5	0.3	0.3	0.1		0	0	0
14	0	0	0	+	f 1.0	0.3	0.3	0.1		0	0	0
15	0	0	0	0	1.5	0.3	0.3	0.1		0	0	0
16	0	0	0	0	c 1.5	0.3	0.3	0.2		0	0	0
17	0	0	0	0	1.1	0.3	0.3	0.2		0	0	0
18	0	0	0	0	5.0	0.3	0.3	0.2		0	0	0
19	0	0	0	0	1.6	0.3	0.3	0.2		0	0	0
20	0	0.1	0	4.8	1.1	0.3	0.3	0.2		0	0	0
21	0	0	0	0.8	5.0	0.3	0.2	0.2		0	0	0
22	0	0	0	1.6	5.0	0.2	0.2	0.2		0	0	0
23	0	0	0	1.6	5.0	0.2	0.2	0.2		0	0	0
24	0	0	0	0.6	4.0	0.2	0.1	0.2		0	0	0
25	0	0.1	0	0.3	4.0	0.6	0.1	0.2		0	0	0
26	0	0.1	0	0.2	3.0	0.3	0.1	0.2		0	0	0
27	0	+	0	0.2	3.0	0.2	0.1	0.1		0	0	0
28	0	0	0	0.2	c 3.0	0.2	0.1	0.1		0	0	0
29	0	0	0	+		0.2	0.1	0.1		0	0	0
30	0	+	0	+		0.2	c 0.1	0.1	+	0	0	0
31	0		0	+		c 0.2		c 0.1		0	0	
	0	0.3	0.6	10.3	247.7	15.0	6.6	4.2	+	+	0	0
MEAN	0	0.01	0.02	0.33	8.85	0.48	0.22	0.14	+	+	0	0
ACRE-FEET	0	0.6	1.2	20.	491.	30.	13.	8.3	+	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.78
ACRE-FEET 564.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

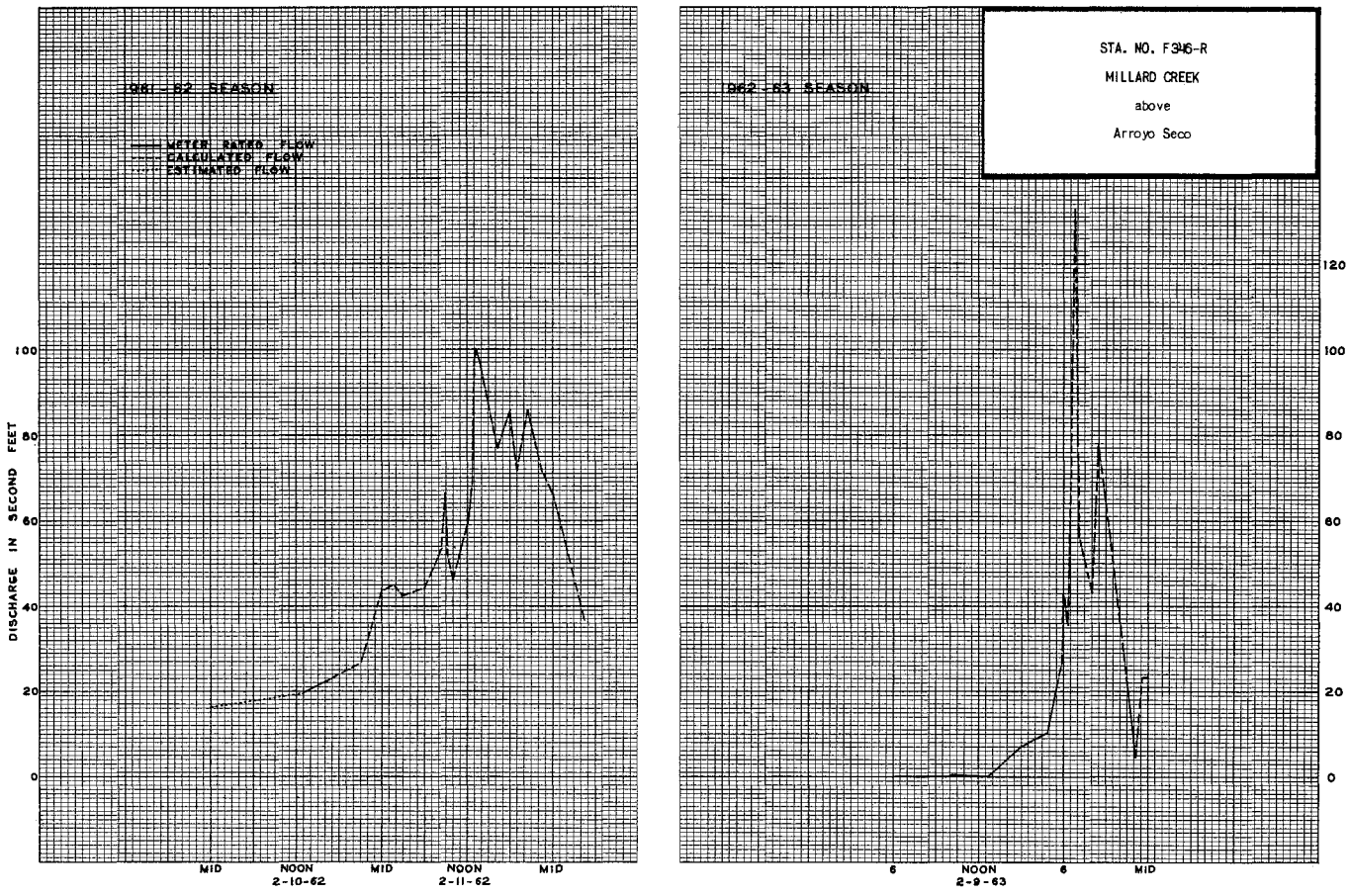
Sta. No. P346-R

Daily discharge, in second-feet of MILLARD CREEK above Arroyo Seco, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0			e 0.03	e 0.02	e 0.09	e 0.1	b 0.1	e 0.05	0	0	0
2	0			0.03	0.02	0.08	0.1	e 0.07	0.06	0	0	0
3	0			0.03	0.01	0.07	0.08	0.07	0.06	0	0	0
4	0			0.03	0.01	0.06	0.08	0.06	0.06	0	0	0
5	0			0.03	0.01	0.05	0.08	0.05	0.06	0	0	0
6	0			0.03	0.01	0.05	0.08	0.04	0.06	0	0	0
7	0			0.03	0.01	0.05	0.09	0.03	0.06	0	0	0
8	0			0.03	e 0.01	0.06	0.09	0.03	0.07	0	0	0
9	0			0.02	1.4	0.06	0.1	0.03	0.07	0	0	0
10	0			0.02	b 5.4	0.07	0.1	0.03	0.08	0	0	0
11	0			0.02	b 1.7	0.08	0.1	0.03	0.09	0	0	0
12	0			0.02	b 1.2	0.08	0.1	0.02	0.1	0	0	0
13	0			0.02	0.9	0.08	0.1	0.02	0.1	0	0	0
14	0			0.02	e 0.7	0.08	0.1	0.02	0.09	0	0	0
15	0			0.02	0.5	e 0.08	0.1	0.02	0.09	0	0	0
16	0			0.02	0.4	1.8	0.1	0.02	0.08	0	0	0
17	0		e 0.02	0.02	0.3	b 0.2	0.1	0.02	0.08	0	0	0.1
18	0		0.02	0.02	0.2	b 0.1	0.1	0.02	0.07	0	0	0.3
19			0.02	0.02	0.1	e 0.1	0.09	0.03	0.06	0	0	0.3
20			0.02	0.02	0.1	0.08	0.08	0.03	0.06	0	0	0
21			0.02	0.02	0.1	0.08	0.08	0.03	0.06	0	0	0
22			0.03	0.02	0.1	0.08	0.07	0.03	0.06	0	0	0
23			0.03	0.02	0.1	0.07	0.06	0.03	0.05	0	0	0
24			0.04	0.02	0.1	0.07	0.06	0.03	0.05	0	0	0
25			0.04	0.02	0.1	0.06	e 0.1	0.04	0.05	0	0	0
26			0.04	0.02	0.1	0.05	1.9	0.04	0.05	0	0	0
27			0.04	0.02	0.1	e 0.05	b 0.3	0.05	0.04	0	0	0
28			0.04	0.02	e 0.1	0.8	0.2	0.05	0.03	0	0	0
29			0.04	0.02		b 0.2	0.1	0.05	0.02	0	0	0
30			0.04	0.02		b 0.2	b 0.1	0.05	e 0.01	0	0	0
31			e 0.03	e 0.02		b 0.2		e 0.05		0	0	
	0			0.70	26.40	5.18	4.84	1.19	1.87	0	0	0.7
MEAN	0	INC.	INC.	0.02	0.98	0.17	0.16	0.04	0.06	0	0	0.02
ACRE-FEET	0	INC.	INC.	1.4	54.	10.	10.	2.4	3.7	0	0	1.4

Remarks:

YEAR OR PERIOD MEAN INC.
ACRE-FEET INC.



STATION F328-R
MINT CANYON CREEK at Fitch Avenue

LOCATION: LAT. 34°26'48", LONG. 118°25'39", ON THE RIGHT (WEST) UPSTREAM WINGWALL OF THE FITCH AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 1641.25 FEET.

DRAINAGE AREA: 26.92 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. SOME WEED GROWTH. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 26, 1956 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 176 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 70 SECOND-FEET SEPTEMBER 18.
MINIMUM NO FLOW MOST OF YEAR.
1956-63
MAXIMUM 708 SECOND-FEET DECEMBER 15, 1959.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

74DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	0	0	0				
2	0	0	11	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	+	0	0				RECORDER STOPPED FOR SUMMER
6	0	0	0	0	0	2.6	0	0				
7	0	0	0	0	0.1	0	0	0				
8	0	0	0	0	0.9	0	0	0				
9	0	0	0	0	0.3	+	0	0				
10	0	0	0	0	13	0	0	0	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	
11	0	0	0	0	49	0	0	0				
12	0	0	0	0	13	0	0	0				
13	0	0	0	0	0	0	0	0				0
14	0	0	+	0	+	0	0	0				0
15	0	0	0	0	2.6	0	0	0				0
16	0	0	0	0	4.6	0	0	2.9				0
17	0	0	0	0	0	0	0	0				0
18	0	0	0	0	0	1.5	0	0				0
19	0	0	0	0	19	+	0	0				0
20	0	4.4	0	1.0	0.3	0	0	0				0
21	0	0	0	0.1	0	0	0	0				0
22	0	0	0	0.6	0	0	0.4	0				0
23	0	0	0	0.6	0	0	0	0				0
24	0	0	0	0	+	0	0	0				0
25	0	1.7	0	0	0	0	0	RECORDER STOPPED FOR SUMMER				0
26	0	0	0	0	0	0	0					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	0	0					0
29	0	0	0	0		0	0					0
30	0	+	0	0		0	0					0
31	0		0	0		0						
	0	6.1	11.0	2.3	102.8	4.5	0	2.9	E 0	E 0	E 0	E 0
MEAN	0	0.20	0.35	0.07	3.67	0.15	0	.094	E 0	E 0	E 0	E 0
ACRE-FEET	0	12.	22.	4.6	204.	8.9	0	5.8	E 0	E 0	E 0	E 0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.36
ACRE-FEET 257.

74DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

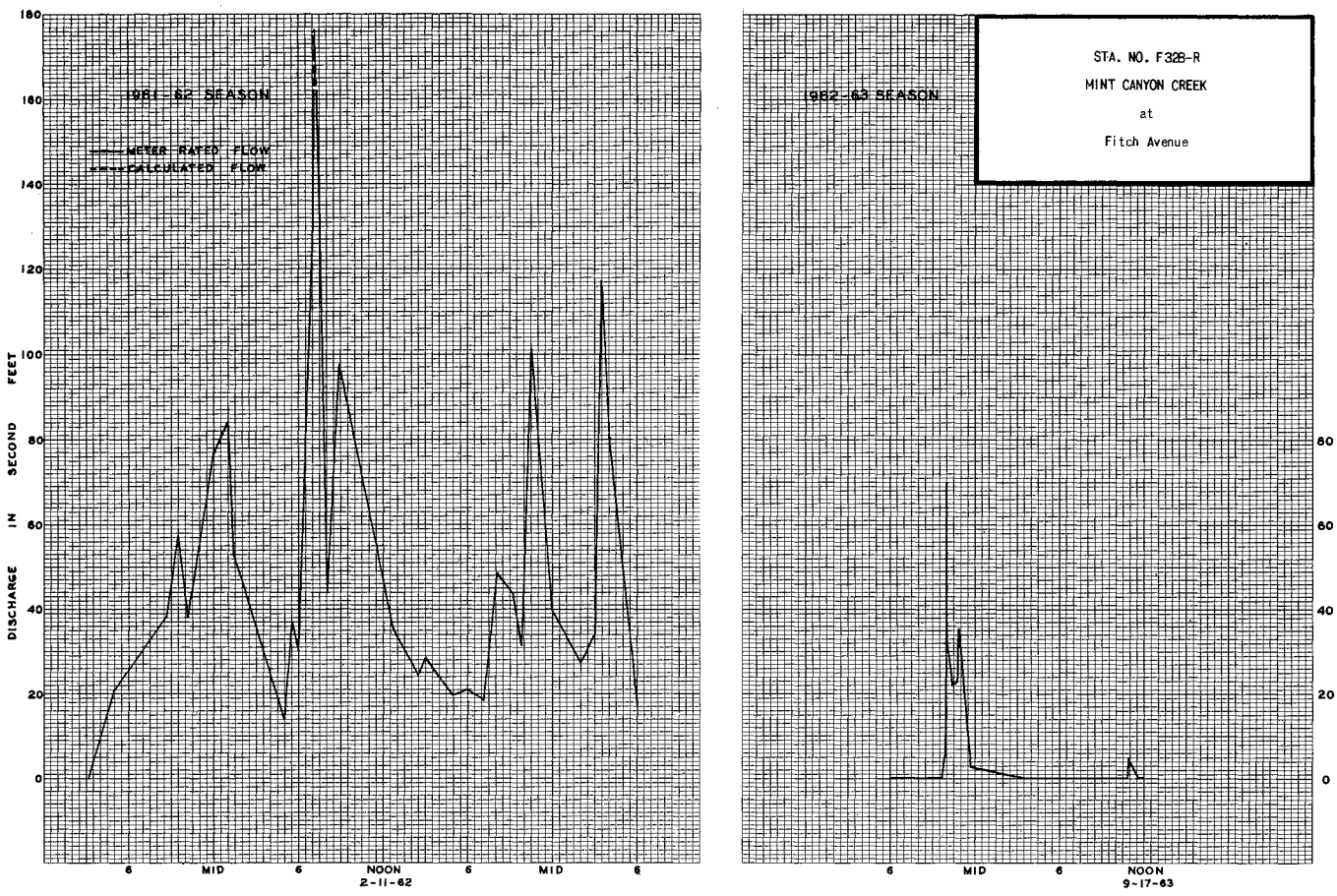
Sta. No. F328-R

Daily discharge, in second-feet of MINT CANYON CREEK at Fitch Avenue, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	2.3	0	0	0	0	0	0	0				+
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	3.0	0	0	0				0
10	0	0	0	0	0.3	0	0	0				0
11	0	0	0	0	+	0	0	0	e +			0
12	0	0	0	0	0	0	0	0				+
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	1.0	0	+	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	1.1	0	0				0
17	0	0	0	0	0	0	+					0
18	0	0	0	0	0	0	0					1.8
19	0	0	0	0	0	0	0					0.3
20	0	0	0	0	0	0	+					0
21	0	0	0	0	0	0	0					0
22	0	0	0	0	0	0	0					0
23	0	0	0	0	0	+	0					0
24	0	0	0	0	0	0	0					0
25	0	0	0	0	0	0	0.5					0
26	0	0	0	0	0	0	1.5					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	1.2	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	+		+						
	2.3	0	0	+	4.3	2.3	2.0	E 0	E +	E 0	E 0	2.1
MEAN	0.07	0	0	+	0.15	0.07	0.07	0	E +	E 0	E 0	2.1
ACRE-FEET	4.6	0	0	+	8.5	4.6	4.0	0	E +	E 0	E 0	4.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 26.



STATION F330-R
MISSION CREEK below Legg Lake

LOCATION: LAT. 34°02'09", LONG. 118°03'47", AT THE OUTLET FROM LEGG LAKE ON EAST SIDE OF ROSEMEAD BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT ABOUT 204.0 FEET.

DRAINAGE AREA: 3.45 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE BOX CULVERT.
CONTROL - A 3-FOOT CIPPOLETTI WEIR FORMS CONTROL.

DISCHARGE MEASUREMENTS: MEASURED BY WADING BELOW ROSEMEAD BOULEVARD.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: SOME WATER PUMPED TO KEEP LEGG LAKE LEVEL AND TO SATISFY EVAPORATION AND PERCOLATION FROM THE LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AUGUST 8, 1956 TO SEPTEMBER 30, 1963. SOME STREAM FLOW MEASUREMENTS WERE MADE STARTING JUNE 7, 1956.

ACCURACY: GOOD

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

7SD74M (2b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F330-R

Daily discharge, in second-feet of MISSION CREEK below Legg Lake, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.2	0.6	0.4	0.2	0.3	0.3	0.3	0.2	0.3	1.0	0.6
2	0.3	0.2	0.6	0.4	0.3	0.3	0.3	0.3	0.2	0.3	0.9	0.6
3	0.3	0.2	0.6	0.4	0.4	0.3	0.3	0.3	0.2	c 0.3	0.8	0.6
4	0.3	0.1	0.6	0.4	0.3	0.2	0.3	0.4	0.2	0.4	0.8	0.5
5	0.2	0.1	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.4	0.8	0.5
6	0.2	+	0.6	0.4	0.4	0.2	0.3	0.3	0.3	0.4	0.8	0.6
7	0.2	|	0.6	0.4	0.4	0.2	0.3	0.3	0.4	0.4	0.8	1.0
8	0.2	|	0.6	0.4	1.2	0.2	0.3	0.2	0.3	0.3	0.8	1.1
9	0.2	|	0.6	0.4	1.9	0.2	0.3	0.2	0.3	0.3	0.9	1.0
10	0.2	+	0.6	0.4	0.5	0.2	0.3	0.2	0.3	0.3	1.0	1.0
11	0.2	0.1	0.6	0.4	9.2	0.2	0.3	0.2	0.3	0.2	0.8	0.8
12	0.2	+	0.6	0.4	1.3	0.2	0.3	0.2	0.2	0.2	0.7	0.8
13	0.2	|	0.6	0.4	0.5	0.2	0.6	0.2	0.2	0.2	0.7	0.7
14	0.2	|	0.6	0.4	0.5	0.2	0.4	0.2	0.2	0.2	0.7	0.6
15	0.2	|	0.6	0.4	0.8	0.2	0.4	0.2	0.3	0.2	0.7	0.8
16	0.2	+	0.6	0.4	0.6	0.2	0.3	0.2	0.4	0.2	0.8	1.0
17	0.2	0.1	0.6	0.4	0.5	0.2	0.3	0.2	0.4	0.2	1.0	0.8
18	0.2	0.2	0.6	0.4	0.5	0.2	0.4	0.2	0.4	0.2	1.0	0.9
19	0.2	0.2	0.6	0.4	0.5	0.2	0.5	0.2	0.4	0.2	0.8	1.0
20	0.2	0.2	0.6	0.3	0.5	0.2	0.5	0.2	0.3	0.2	0.8	1.0
21	0.2	0.2	0.6	0.3	1.2	0.2	0.4	0.2	0.3	0.2	0.8	1.0
22	0.2	0.2	0.6	0.3	0.6	0.2	0.4	0.2	0.3	0.2	0.8	1.1
23	0.2	0.2	0.5	0.4	0.5	0.2	0.4	0.2	0.4	0.2	0.7	1.0
24	0.2	0.2	0.5	0.3	0.4	0.1	0.3	0.2	0.4	0.2	0.7	1.0
25	0.2	0.2	0.5	0.3	0.4	0.1	0.3	0.2	0.4	c 0.2	0.6	1.0
26	0.2	0.1	0.5	0.3	0.4	0.1	0.3	0.2	0.3	0.2	0.6	1.0
27	0.2	0.2	0.5	0.2	0.3	0.1	0.3	0.1	0.3	0.5	0.6	1.0
28	0.2	0.1	0.5	0.2	0.3	0.1	0.3	0.1	0.3	0.6	0.5	1.1
29	0.2	0.2	0.5	0.2		0.2	0.3	0.1	0.2	0.7	0.3	1.2
30	0.2	0.4	0.5	0.2		0.3	0.3	0.1	0.2	0.8	0.4	1.2
31	0.2		0.4	0.2		0.3		0.2		1.0	0.5	
	6.6	3.6	17.6	10.8	24.9	6.2	10.3	6.6	8.8	10.2	23.1	26.5
MEAN	0.21	0.12	0.57	0.35	0.89	0.20	0.34	0.21	0.29	0.33	0.75	0.88
ACRE-FEET	13.	7.1	35.	21.	49.	12.	20.	13.	18.	20.	46.	53.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 307.

7SD74M (2b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F330-R

Daily discharge, in second-feet of MISSION CREEK below Legg Lake, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	1.2	1.0	1.1	0.9	0.6	0.7	0.5	0.3	0.1	0	0
2	1.3	1.1	1.0	1.1	0.8	0.7	0.7	0.5	0.2	0.1	0	0
3	1.3	1.2	1.0	1.1	0.8	0.7	0.6	0.5	0.2	0.05	0	0
4	1.3	1.2	1.0	1.0	0.8	0.6	0.6	0.6	0.2	0.05	0	0
5	1.2	1.2	1.0	1.0	0.8	0.6	0.6	0.6	0.2	0.05	0	0
6	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.6	0.2	0.05	0	0
7	1.3	1.2	1.1	0.8	0.8	0.7	0.6	0.6	0.3	0.05	0	0
8	1.2	1.2	1.1	0.9	0.8	0.7	0.6	0.6	0.3	0.05	0	0
9	1.3	1.2	1.1	0.9	0.8	0.7	0.7	0.6	0.3	0.05	0	0
10	1.3	1.3	1.0	1.0	0.7	0.7	0.6	0.6	0.3	0.05	0	0
11	1.3	1.3	1.0	1.0	0.7	0.7	0.6	0.5	0.4	0.05	0	0
12	1.3	1.3	1.0	0.9	0.7	0.6	0.6	0.5	0.3	0.05	0	0
13	1.3	1.3	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.05	0	0
14	1.3	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.05	0	0
15	1.4	1.1	1.0	0.7	0.7	0.7	0.6	0.5	0.4	0.05	0	0
16	1.3	1.1	a 1.0	0.7	0.6	0.7	0.6	0.6	0.4	0.05	0	0
17	1.3	1.1	| 1.0	0.8	0.6	0.7	0.6	1.0	0.4	+	0	0
18	1.3	1.1	| 1.0	0.8	0.6	0.7	0.6	0.9	0.4	+	0	0
19	1.3	1.1	a 1.0	0.8	0.6	0.6	0.6	0.9	0.4	0	0	0
20	1.3	1.1	1.0	0.8	0.6	0.6	0.6	0.9	0.4	0	0	0
21	1.3	1.1	1.0	0.8	0.6	0.6	0.7	0.9	0.4	0	0	0
22	1.3	1.1	1.0	0.8	0.6	0.7	0.6	0.9	0.4	0	0	0
23	1.4	1.1	1.0	0.8	0.6	0.7	0.6	0.6	0.4	0	0	0
24	1.3	1.1	1.0	0.8	0.6	0.7	0.6	0.5	0.4	0	0	0
25	1.3	1.0	1.0	0.8	0.6	0.7	0.6	0.3	0.3	0	0	0
26	1.3	1.0	1.0	0.9	0.6	0.7	0.6	0.3	0.3	0	0	0
27	1.2	1.0	1.0	1.0	0.6	0.7	0.7	0.2	0.3	0	0	0
28	1.1	1.0	1.1	1.0	0.6	0.7	0.8	0.2	0.2	0	0	0
29	1.1	1.0	1.1	1.0		0.7	0.8	0.3	0.1	0	0	0
30	1.0	1.0	1.1	0.9		0.7	0.6	0.3	0.1	0	0	0
31	1.1		1.1	0.9		0.7		0.3		0	0	
	39.3	34.1	31.7	27.6	19.3	20.8	18.9	17.3	9.3	0.90	0	0
MEAN	1.27	1.14	1.02	0.89	0.69	0.67	0.63	0.56	0.31	0.03	0	0
ACRE-FEET	78.	68.	63.	55.	38.	41.	37.	34.	18.	1.8	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.60
ACRE-FEET 434.

STATION F83-R
MISSION CREEK at San Gabriel Boulevard

LOCATION: LAT. 34°01'47", LONG. 118°04'07", ON THE UPSTREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE. JUST EAST OF THE RIO HONDO, ABOUT TWO MILES NORTHEAST OF MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT ABOUT 188.2 FEET.

DRAINAGE AREA: ABOUT 4.15 SQUARE MILES. FLOW ORIGINATES ALMOST ENTIRELY FROM RISING WATER.

CHANNEL AND CONTROL: CHANNEL - SAND COVERED WITH WEEDS AND BRUSH. SOME CROSS FENCES WHICH CATCH DEBRIS. NO ARTIFICIAL CONTROL.

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

RECORDER: WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: PARTIALLY REGULATED BY OUTFLOW FROM LEGG LAKE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JUNE 14, 1930 TO SEPTEMBER 30, 1963, SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER IN 1930.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 24 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW VARIOUS TIMES IN OCTOBER AND NOVEMBER.
1962-63
MAXIMUM 16 SECOND-FEET FEBRUARY 9.
MAXIMUM NO FLOW AT VARIOUS TIMES, JUNE THROUGH SEPTEMBER.
1930-61
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

REMARKS: MISSION CREEK RECORD AS USED IN THE RISING WATER FORMULA IS DERIVED FROM Q VS. ELEVATION OF WATER SURFACE IN WELL 2946.

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

160M Cib 11-59

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 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	c 0.3	c 0.9	c 1.0	2.5	c 2.4	c 1.7	c 1.1	c 1.3	1.2	0.2
2	0	0	0.3	0.9	1.0	2.9	2.5	1.6	1.1	1.2	1.1	0.2
3	0	0	0.4	0.8	1.0	2.6	2.5	1.5	1.2	1.2	1.0	0.3
4	0	0	0.5	0.8	1.0	2.5	2.5	1.5	1.2	1.2	1.0	0.1
5	0	0	0.4	0.8	1.0	2.6	2.5	1.4	1.3	1.2	1.0	0.2
6	0	0	0.4	0.8	1.1	2.6	2.5	1.4	1.4	1.2	0.9	0.3
7	0	0	0.4	c 0.8	1.1	2.4	2.4	1.4	1.5	1.1	0.9	0.4
8	0	0	0.4	0.8	4.7	2.5	2.4	1.3	1.5	1.0	0.8	0.7
9	0	0	c 0.5	0.8	5.4	2.7	2.4	1.3	1.5	0.9	0.8	0.6
10	0	0	0.5	0.9	c 3.4	2.5	2.3	1.3	1.4	0.8	0.8	0.5
11	0	0	0.5	c 0.9	1.2	2.5	2.3	1.3	1.4	0.7	0.8	0.5
12	0	0	0.5	0.9	6.3	c 2.3	2.3	1.4	1.3	0.7	0.8	0.4
13	0	0	c 0.5	0.9	4.3	2.4	2.3	1.5	1.3	0.7	0.8	0.4
14	0	0	0.5	0.9	4.1	2.4	2.3	1.6	1.3	0.7	0.5	0.3
15	0	0	0.6	1.0	7.7	2.4	2.3	1.7	1.3	0.7	0.5	0.4
16	0	0	0.6	1.0	5.1	2.4	2.3	1.8	1.3	0.7	0.5	0.7
17	0	0	0.6	1.0	4.3	2.5	2.3	1.9	1.3	0.7	0.6	0.5
18	0	0	0.7	1.1	4.2	2.5	2.3	1.8	1.4	0.7	0.8	0.5
19	0	0	0.7	c 1.1	5.5	2.6	2.3	1.7	1.4	0.7	0.5	0.8
20	0	+	0.7	3.7	4.6	2.5	2.3	1.6	1.4	0.7	0.5	0.8
21	0		0.8	2.2	4.8	2.5	2.3	1.5	1.4	0.7	0.5	0.8
22	0		0.8	2.1	4.2	2.5	2.3	1.4	1.4	0.7	0.4	0.8
23	0		0.8	1.1	3.9	2.5	2.3	1.3	1.4	0.7	0.6	0.9
24	0		0.8	c 1.1	3.6	2.5	2.3	1.2	1.4	0.6	0.6	0.8
25	0		0.9	1.1	3.3	2.5	2.3	1.1	1.3	0.6	0.5	0.6
26	0		0.9	1.1	2.9	2.5	2.3	1.1	1.3	0.6	0.4	0.6
27	0		0.9	1.1	2.7	2.4	2.2	1.1	1.3	0.8	0.4	0.7
28	0		0.9	1.0	2.6	2.4	2.1	1.1	1.3	c 1.0	0.3	1.0
29	0		0.9	1.0		2.4	2.0	1.1	1.3	1.0	0.2	1.2
30	0	+	0.9	1.0		2.4	c 1.8	1.1	c 1.3	1.0	0.2	1.2
31	0		c 0.9	c 1.0		c 2.4		c 1.1		1.0	0.1	
	0		19.5	34.6	106.8	77.3	69.3	43.8	40.0	26.8	20.0	17.4
MEAN	0	+	0.63	1.12	3.81	2.5	2.31	1.41	1.33	0.86	0.65	0.58
ACRE-FEET	0	+	39.	69.	212.	153.	137.	87.	79.	53.	40.	33.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.25
ACRE-FEET 902.

F6D74M Gib 11-59

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 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.7	1.9	1.9	1.5	1.8	1.8	1.2	0.3	0	0	0
2	1.1	1.6	2.0	2.0	1.6	1.8	1.8	1.2	0.3	0	0	0
3	1.0	1.6	2.1	2.0	1.6	1.8	1.8	1.2	0.3	0	0	0
4	1.2	1.8	2.1	2.0	1.6	1.9	1.8	1.2	0.2	0	0	0
5	1.2	1.8	2.1	1.9	1.6	1.8	1.8	1.2	0.2	0	0	0
6	1.3	1.7	1.9	1.8	1.7	1.6	1.8	1.2	0.1	0	0	0
7	1.4	1.7	2.0	1.7	1.8	1.6	1.8	1.1	0.2	0	0	0
8	1.4	1.6	2.0	1.7	1.8	1.5	1.8	c 1.1	0.2	0	0	0
9	1.4	1.6	2.1	1.6	3.5	1.5	1.8	1.0	0.2	0	0	0
10	1.4	1.6	2.1	1.6	2.5	1.5	1.9	1.0	0.2	0	0	0
11	1.4	1.7	2.0	1.6	1.8	1.5	1.8	1.0	0.2	0	0	0
12	1.4	1.8	1.9	1.7	1.8	1.5	1.7	1.0	0.2	0	0	0
13	1.6	1.8	2.0	1.8	1.8	1.3	1.5	1.0	0.2	0	0	0
14	1.5	1.7	2.0	1.7	2.1	1.3	1.5	0.9	0.2	0	0	0
15	1.5	1.6	1.9	1.6	2.1	1.3	1.6	c 0.9	0.2	0	0	0
16	1.6	1.6	2.0	1.6	2.1	1.7	1.5	0.9	0.2	0	0	0
17	1.6	1.6	1.9	1.6	2.0	2.2	1.5	1.1	0.1	0	0	0
18	1.8	1.6	2.0	1.6	2.1	1.9	1.5	1.1	0.1	0	0	0
19	1.7	1.6	2.0	1.6	2.0	1.9	1.5	1.2	0.1	0	0	0
20	1.7	1.6	2.0	1.6	2.0	1.9	1.5	1.2	0.1	0	0	0
21	1.7	1.5	2.0	1.6	2.1	1.9	1.5	1.1	0.1	0	0	0
22	1.7	1.5	1.9	1.6	2.0	1.9	1.5	1.0	0.1	0	0	0
23	1.7	1.6	1.8	1.6	2.2	2.0	1.5	0.9	0.1	0	0	0
24	1.7	1.6	1.8	1.6	2.1	2.0	1.4	0.4	+	0	0	0
25	1.7	1.7	1.8	1.6	2.0	2.1	1.4	0.3	+	0	0	0
26	1.7	1.6	1.8	1.6	1.8	2.1	1.4	0.3	0	0	0	0
27	1.7	1.6	1.8	1.5	1.8	2.1	1.4	b 0.3	0	0	0	0
28	1.8	1.6	1.8	1.4	1.8	2.2	1.4	b 0.3	0	0	0	0
29	2.0	1.6	1.8	1.3		1.9	1.4	b 0.3	0	0	0	0
30	1.9	1.8	1.8	1.2		1.8	1.3	0.3	0	0	0	0
31	2.0		1.9	1.2		1.8		0.3		0	0	
	47.8	49.4	60.2	50.8	54.8	55.1	47.9	27.2	4.1	0	0	0
MEAN	1.54	1.65	1.94	1.64	1.96	1.78	1.60	0.88	0.14	0	0	0
ACRE-FEET	95.	98.	119.	101.	109.	109.	95.	54.	8.1	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.09
ACRE-FEET 788.

STATION E321-R
MISSION CREEK below Whittier Narrows Dam

LOCATION: LAT. 34°01'15", LONG. 118°04'15". FOUR-FOOT PARSHALL FLUME, ON LEFT (EAST) BANK ABOUT 500 FEET BELOW WHITTIER NARROWS DAM AND 1.4 MILES NORTH OF PICO. ELEVATION OF GAGE HEIGHT 187.1 FEET.

RECORDS AVAILABLE: DECEMBER 1955 TO SEPTEMBER 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM DAILY 7.2 SECOND-FEET APRIL 16.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM DAILY 11 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1955-63
MAXIMUM DAILY 18 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

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

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

FORM Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E321-R

Daily discharge, in second-feet of MISSION CREEK below Whittier Narrows Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.3	0.7	2.4	4.4	2.9	3.6	3.8	0.7	0
2	0	0	0	0.3	0.8	3.1	4.4	2.9	3.5	3.8	0.6	0
3	0	0	0	0.3	0.8	2.8	4.4	2.9	3.5	3.9	0.5	0
4	0	0	0	0.3	0.9	2.5	4.4	2.9	3.5	3.9	0.4	0
5	0	0	0	0.5	1.0	2.4	4.4	2.9	3.3	3.9	0.4	0
6	0	0	0	0.8	1.0	2.6	4.4	2.8	3.3	3.9	0.3	0
7	0	0	0	0.4	1.1	2.5	4.4	2.4	3.3	3.2	0.2	0
8	0	0	0	0.2	1.3	2.5	4.2	1.5	3.2	3.5	0.2	0
9	0	0	0	0.1	1.3	2.6	4.1	1.3	3.1	3.5	0.2	0
10	0	0	0	0.2	1.1	2.5	3.9	1.7	2.9	3.5	0.2	0
11	0	0	0	0.9	4.0	2.5	3.9	3.3	2.9	3.5	0.2	0
12	0	0	0	0.6	2.4	2.9	3.6	3.3	2.9	3.5	0.2	0
13	0	0	0	0.7	2.2	6.4	2.3	3.3	2.9	3.5	0.2	0
14	0	0	0	0.6	1.8	5.7	3.8	3.3	3.1	3.6	0.1	0
15	0	0	0	0.6	1.7	5.2	6.2	3.3	3.5	3.8	0.1	0
16	0	0	0	0.6	2.2	5.4	7.2	3.3	3.6	3.8	0.1	0
17	0	0	0	0.6	2.0	5.0	3.9	3.3	3.6	3.6	0.1	0
18	0	0	0	0.6	1.9	3.6	4.5	3.3	3.9	3.8	0.2	0
19	0	0	0	0.7	2.2	2.8	2.6	3.5	3.8	3.8	0.1	0
20	0	0	0	0.8	2.2	4.5	2.6	3.8	3.6	3.6	0	0
21	0	0	0	1.8	2.0	4.2	2.6	3.9	3.5	3.6	0	0
22	0	0	0	0.5	1.9	4.5	2.6	3.9	3.5	3.6	0	0.1
23	0	0	0	0.4	1.8	3.9	2.6	4.1	3.5	3.6	0	0.2
24	0	0	0	0.3	1.7	2.6	2.6	4.1	3.5	3.6	0.1	0.2
25	0	0	0.1	0.3	1.6	3.8	2.6	4.1	3.5	3.6	0.1	0.1
26	0	0	0.1	0.2	1.5	4.2	2.6	4.1	3.6	3.6	0.1	0.1
27	0	0	0.1	0.2	1.4	4.4	2.8	4.1	3.6	4.5	0.1	0.2
28	0	0	0.2	0.2	2.2	4.4	2.6	4.1	3.6	2.4	0	0.2
29	0	0	0.2	0.1		4.5	2.8	4.1	3.6	1.0	0	0.3
30	0	0	0.2	0		4.5	2.8	3.9	3.8	0.6	0	0.3
31	0		0.2	0.3		4.5		3.8		0.7	0	
	0	0	1.1	14.4	46.7	115.4	110.4	102.1	102.9	104.6	5.4	1.7
MEAN	0	0	0.04	0.46	1.67	3.72	3.68	3.29	3.43	3.37	0.17	0.06
ACRE-FEET	0	0	2.2	29.	93.	229.	219.	203.	204.	207.	11.	3.4

Remarks:

YEAR OR PERIOD MEAN 1.66
ACRE-FEET 1200.

FORM Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E321-R

Daily discharge, in second-feet of MISSION CREEK below Whittier Narrows Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.3	.7	.7	1.0	.6	1.1	1.3	.7	0	0	0	0
2	.4	.6	.6	1.0	.6	1.1	1.4	.7	0	0	0	0
3	.4	.6	.6	1.0	.6	1.1	1.4	.6	0	0	0	0
4	.4	.7	.6	1.0	.6	1.1	1.4	.6	0	0	0	0
5	.4	.7	.6	1.0	.6	1.1	1.3	.6	0	0	0	0
6	.4	.7	.8	.9	.6	1.0	1.3	.6	0	0	0	0
7	.4	.7	.7	.8	.6	.9	1.2	.6	0	0	0	0
8	.4	.7	.8	.6	.6	1.0	1.1	.6	0	0	0	0
9	.4	.7	.8	.6	2.3	1.1	1.1	.6	0	0	0	0
10	.4	.7	.9	.6	3.1	1.1	1.1	.5	0	0	0	0
11	.4	.7	.9	.6	1.4	1.2	1.0	.5	0	0	0	0
12	.4	.7	.9	.6	1.4	1.2	.9	.4	0	0	0	0
13	.4	.7	.9	.5	1.3	1.2	.8	.4	0	0	0	0
14	.4	.7	.9	.5	1.4	1.2	.8	.4	0	0	0	0
15	.4	.7	.9	.4	1.4	1.2	.6	.4	0	0	0	0
16	.4	.7	.9	.4	1.3	1.6	.9	.4	0	0	0	0
17	.6	.7	.9	.4	1.2	2.3	1.0	.5	0	0	0	0
18	.6	.7	.9	.4	1.2	1.7	1.0	.5	0	0	0	0
19	.7	.7	.9	.4	1.2	1.6	.8	.5	0	0	0	0
20	.7	.7	.9	.4	1.2	1.4	.7	.5	0	0	0	0
21	.7	.7	.9	.4	1.2	1.3	.9	.5	0	0	0	0
22	.7	.7	.9	.4	1.2	1.3	.9	.5	0	0	0	0
23	.6	.7	.9	.4	1.2	1.4	.8	.4	0	0	0	0
24	.6	.7	.9	.5	1.1	1.2	.8	.2	0	0	0	0
25	.6	.7	1.0	.5	1.1	1.2	.8	.1	0	0	0	0
26	.6	.7	1.0	.5	1.1	1.2	1.0	.1	0	0	0	0
27	.6	.7	1.0	.5	1.1	1.2	1.0	0	0	0	0	0
28	.7	.7	1.0	.5	1.1	1.4	.9	0	0	0	0	0
29	.7	.7	1.0	.5		1.3	.9	0	0	0	0	0
30	.7	.7	1.0	.5		1.2	.7	0	0	0	0	0
31	.7		1.0	.6		1.3		0		0	0	
	18.7	20.8	27.5	18.4	32.3	39.2	30.0	12.4	0	0	0	0
MEAN	0.60	0.69	0.89	0.59	1.15	1.26	1.00	0.40	0	0	0	0
ACRE-FEET	37.	41.	55.	36.	64.	78.	60.	25.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.55
ACRE-FEET 396.

STATION F195B-R
MONROVIA STORM DRAIN above Peck Road

LOCATION: LAT. 34°07'40", LONG. 118°00'13", ON THE LEFT (EAST) SIDE OF CONCRETE CHANNEL 600 FEET ABOVE PECK ROAD AND ABOUT ONE MILE SOUTH OF MONROVIA. ELEVATION OF GAGE 381.55 FEET. PREVIOUS STATION F195-R WAS ABOUT 550 FEET DOWNSTREAM FROM PRESENT LOCATION.

DRAINAGE AREA: 4.7 SQUARE MILES. (PREVIOUS TO OCTOBER 1955 DRAINAGE AREA WAS 4.5 SQUARE MILES.)

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 17 FEET WIDE, 8 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO JULY 1, 1963. (DISCONTINUED)

REGULATION: PARTIALLY CONTROLLED BY ONE DEBRIS BASIN.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO DECEMBER 29, 1954, AT STATION F195-R; DECEMBER 15, 1955 TO SEPTEMBER 30, 1963, AT PRESENT LOCATION. (DISCONTINUED)

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 622 SECOND-FEET JANUARY 20.
MINIMUM PLUS FLOW MOST OF YEAR.
1962-63
MAXIMUM 338 SECOND-FEET MARCH 16.
MINIMUM NO FLOW AT VARIOUS TIMES.
1932-63
MAXIMUM 1200 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

7M(F)4M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195B-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN above Peck Road, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	+	1.6	+	+	1.3	+	+	+	+	+	+
2	0.2		5.9		+	1.3	+					
3	0.2		1.0		+	1.3	0.1					
4	0.2		+		0.1	1.3	0.1					
5	0.1				0.1	0.6	+					
6	+				+	11.7	0.1					
7			+		8.0	0.9	0.1					
8			0.1		4.7	0.6	+					
9	+		0.1		2.7	2.8						
10	0.1	+	0.2		19.5	0.4						
11	0.2	0.1	0.1	+	14.0	0.2						
12	0.2	+	+	2.1	7.3	0.2						
13	0.1	+	+	0.1	0.6	0.2						
14	0.1	0.1	1.3	0.1	0.4	0.1		e 4.9				
15	+	0.1	0.2	+	16.2	0.2		+				
16		0.1	0.2		9.8	0.4	+	e 1.1				
17		+	+		1.3	0.4	0.1	+				
18	+	+			2.0	2.0	+					
19	0.2	+		+	2.4	1.3						
20	0.4	3.7	+	6.1	15.0	0.6						
21	+	+	0.2	3.3	1.3	0.2						
22			+	13.9	0.6	6.5						
23				0.1	0.6	0.6						
24		+		+	3.0	0.2						
25	+	9.2			3.0	0.4						
26	0.1	0.2			0.9	0.6						
27	0.2	+	+		0.9	0.4						
28	+	+	0.1		0.9	+						
29		+	0.1			+						
30		2.3	0.1			+	+		+			+
31	+		0.1	+		0.1		+		+	+	
	2.5	49.1	64.4	80.6	329.5	36.8	0.5	6.0	+	+	+	+
MEAN	0.08	1.64	2.08	2.60	11.8	1.19	0.02	0.19	+	+	+	+
ACRE-FEET	5.0	97.	128.	160.	654.	73.	1.0	12.	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.56
ACRE-FEET 1130.

FORM 61b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

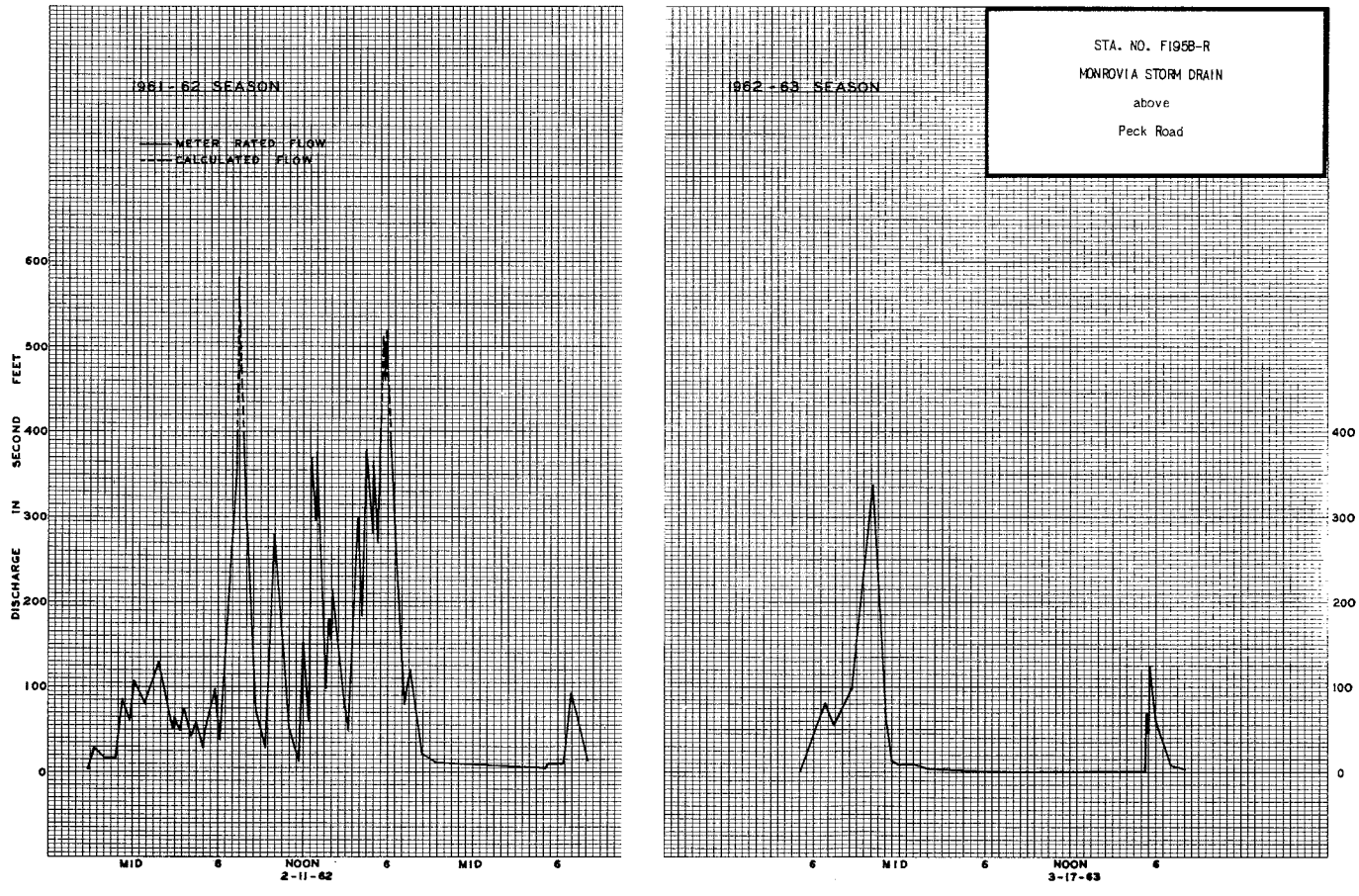
Sta. No. F195B-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN above Peck Road, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	0.9	+	0.1	+	+	+		
2	+			+	0.1		+					
3	+			+	+							
4	1.8			0.2								e 8.7
5	+			+								
6							+					
7												
8				+	+		0.4			7/1/63		
9				2.9	6.9		+					
10				0.4	19.3							
11					0.2							
12				+	0.2							
13	+				0.2		+					
14	0.2				14.2	+	10.0					
15	+				+		1.9					
16	+					30	0.1					
17	+					5.3	2.5					e 9.4
18	0.1					+	0.1					e21
19	+						+					e 3.4
20							8.0					
21							0.4					
22						+	+					
23			+			2.0						
24			0.2			+						
25			+			+	+					
26							17.3					
27						+	+					
28					+	9.1						
29						+						
30		+				+	+					
31	+		+	+		+	+	+	+			
	2.1	+	0.2	14.9	104.1	46.4	40.8	+	+			E 42.5
MEAN	0.07	+	+	0.48	3.72	1.50	1.36	+	+	+	+	E 1.42
ACRE-FEET	4.2	+	0.4	29.	206.	92.	81.	+	+	+	+	E 85.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.69
ACRE-FEET 413.



STATION F181-R
MONTEBELLO STORM DRAIN above Rio Hondo

LOCATION: LAT. 33°59'59", LONG. 118°06'17", ON THE RIGHT (SOUTH) WALL OF THE STORM DRAIN. 150 FEET EAST OF THE EAST END OF MINES AVENUE, ELEVATION OF ZERO GAGE HEIGHT ABOUT 162.22 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 14 FT. X 10 FT. CONCRETE-COVERED DRAIN. THE STAGE-DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET. HIGH FLOWS MEASURED FROM OPENINGS IN TOP OF CHANNEL.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 12, 1932 TO AUGUST 5, 1954; DECEMBER 9, 1954 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 783 SECOND-FEET FEBRUARY 12 AND FEBRUARY 19.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1962-63
MAXIMUM 851 SECOND-FEET MARCH 16.
MINIMUM 0.3 SECOND-FOOT AT VARIOUS TIMES.
1931-61
MAXIMUM 1400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

74D714M Gib 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5	1.9	0.3	0.3	0.5	0.4	0.5	0.6	0.5	0.4	0.4
2	0.3	0.6	8.9	0.5	0.4	0.6	0.3	0.4	0.5	0.5	0.4	0.4
3	0.3	0.6	6.6	0.3	0.4	0.8	0.3	0.6	0.5	0.4	0.4	0.2
4	0.3	0.5	0.4	0.2	0.4	0.6	0.3	0.6	0.5	0.4	0.3	0.2
5	0.4	0.5	0.3	0.3	0.4	0.5	0.4	0.6	0.5	0.5	0.2	0.3
6	0.3	0.6	0.3	0.3	0.4	3.0	0.5	0.6	0.5	0.6	0.3	0.4
7	0.3	0.5	0.4	0.4	2.3	0.8	0.6	0.5	0.5	0.6	0.3	0.5
8	0.3	0.5	0.3	0.4	22.5	0.4	0.5	0.4	0.5	0.5	0.3	0.5
9	0.5	0.6	0.4	0.4	10.1	2.4	0.4	0.8	0.5	0.5	0.3	0.4
10	0.3	0.6	0.4	0.3	12.9	0.4	0.5	0.8	0.5	0.5	0.3	0.4
11	0.5	1.1	0.4	0.4	15.9	0.4	0.6	0.8	1.4	0.5	0.3	0.8
12	0.5	0.6	0.4	11.2	6.3	0.4	0.5	0.5	1.1	0.5	0.3	1.0
13	0.6	0.5	0.3	1.6	1.8	0.4	0.5	0.4	0.8	0.5	0.3	0.5
14	0.6	0.5	9.6	0.1	1.2	0.4	0.8	0.3	0.6	0.5	0.3	2.6
15	0.6	0.5	0.2	0.2	13.0	0.4	0.5	0.2	0.6	0.4	0.4	0.8
16	1.0	0.6	0.2	0.2	2.4	0.4	0.5	0.6	0.6	0.4	0.5	0.8
17	0.8	0.6	0.1	0.2	1.8	0.3	0.6	0.8	0.5	0.4	0.6	2.0
18	0.6	0.6	0.2	0.3	1.1	17.4	0.8	0.8	0.6	0.3	0.5	0.6
19	0.5	0.6	0.2	0.3	12.8	1.0	1.2	0.8	0.6	0.3	0.5	0.6
20	0.6	8.0	0.3	7.5	7.1	0.5	1.1	1.0	1.2	1.1	0.5	1.8
21	0.8	1.8	0.2	11.9	9.8	0.5	0.6	0.5	1.0	0.6	0.5	0.6
22	0.6	0.3	0.3	5.6	1.6	4.6	0.4	0.3	0.6	0.3	0.8	0.8
23	0.6	0.3	0.4	3.1	1.1	0.4	0.8	0.4	0.4	0.3	0.8	1.0
24	0.8	0.2	0.3	0.4	4.4	0.3	0.8	0.4	0.4	0.3	0.5	0.8
25	0.8	3.9	0.2	0.4	1.1	0.3	0.6	0.5	0.4	0.3	0.5	0.8
26	0.6	4.2	0.2	0.3	1.5	0.3	1.0	0.6	0.5	0.4	0.5	0.6
27	0.8	0.3	0.3	0.3	0.6	0.3	1.0	0.5	0.6	0.4	0.4	0.5
28	0.6	0.3	0.2	0.4	0.6	0.3	0.3	0.6	0.5	0.4	0.5	0.5
29	0.6	0.3	0.4	0.4		0.3	0.8	0.5	0.5	0.4	0.4	0.4
30	0.5	8.1	0.4	0.4		0.4	0.5	0.6	0.4	0.4	0.2	0.4
31	0.5		0.3	0.4		0.4		0.5		0.3	0.5	
	16.9	145.9	115.1	166.9	1081.9	66.7	18.1	17.4	18.4	14.0	13.0	21.6
MEAN	0.54	4.86	3.71	5.38	38.6	2.15	0.60	0.56	0.61	0.45	0.42	0.72
ACRE-FEET	34.	289.	228.	331.	2150.	132.	36.	35.	36.	28.	26.	43.

Remarks:

YEAR OR PERIOD MEAN 4.65
ACRE-FEET 3370.

7RDY4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

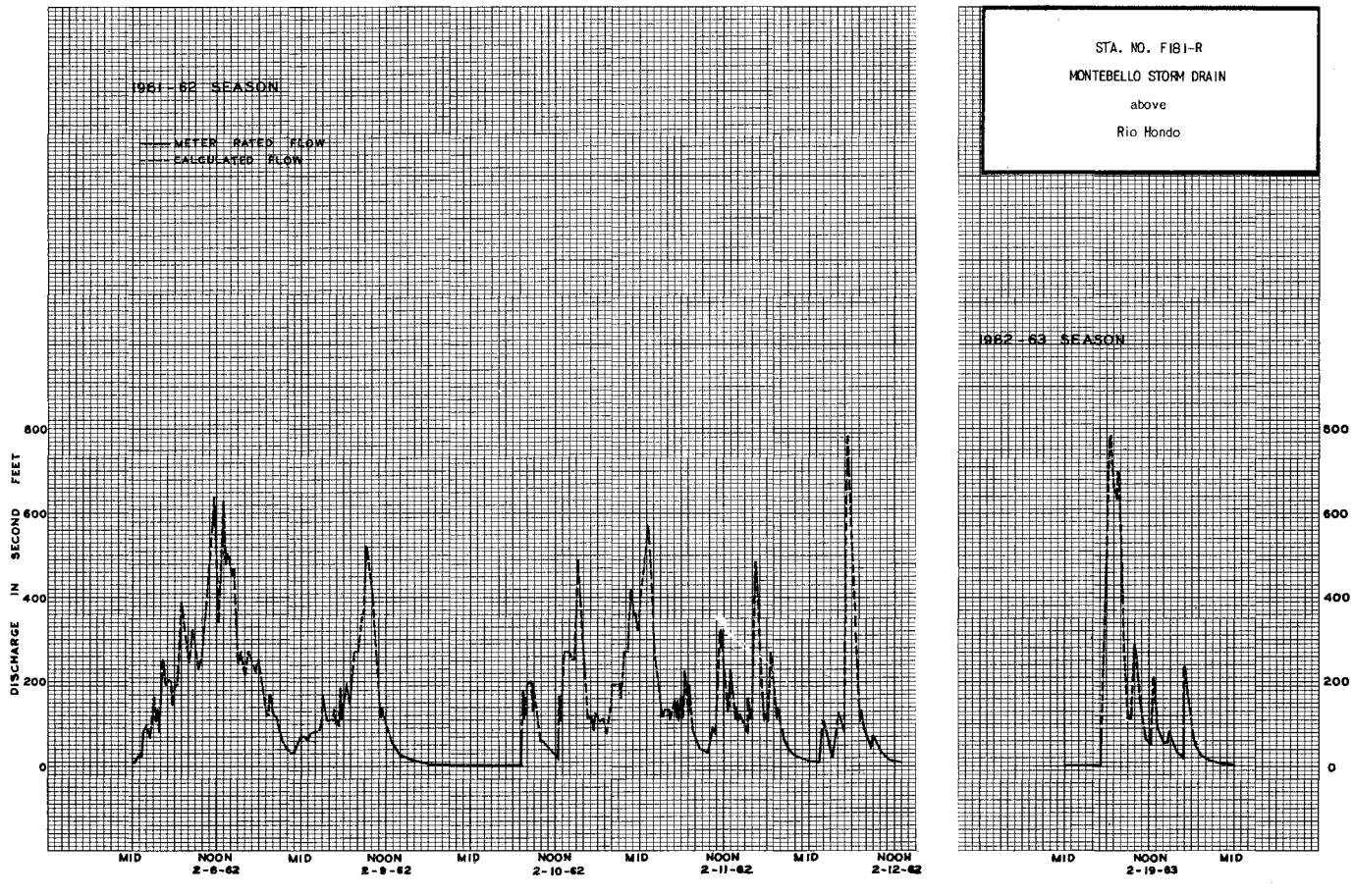
Sta. No. F181-R

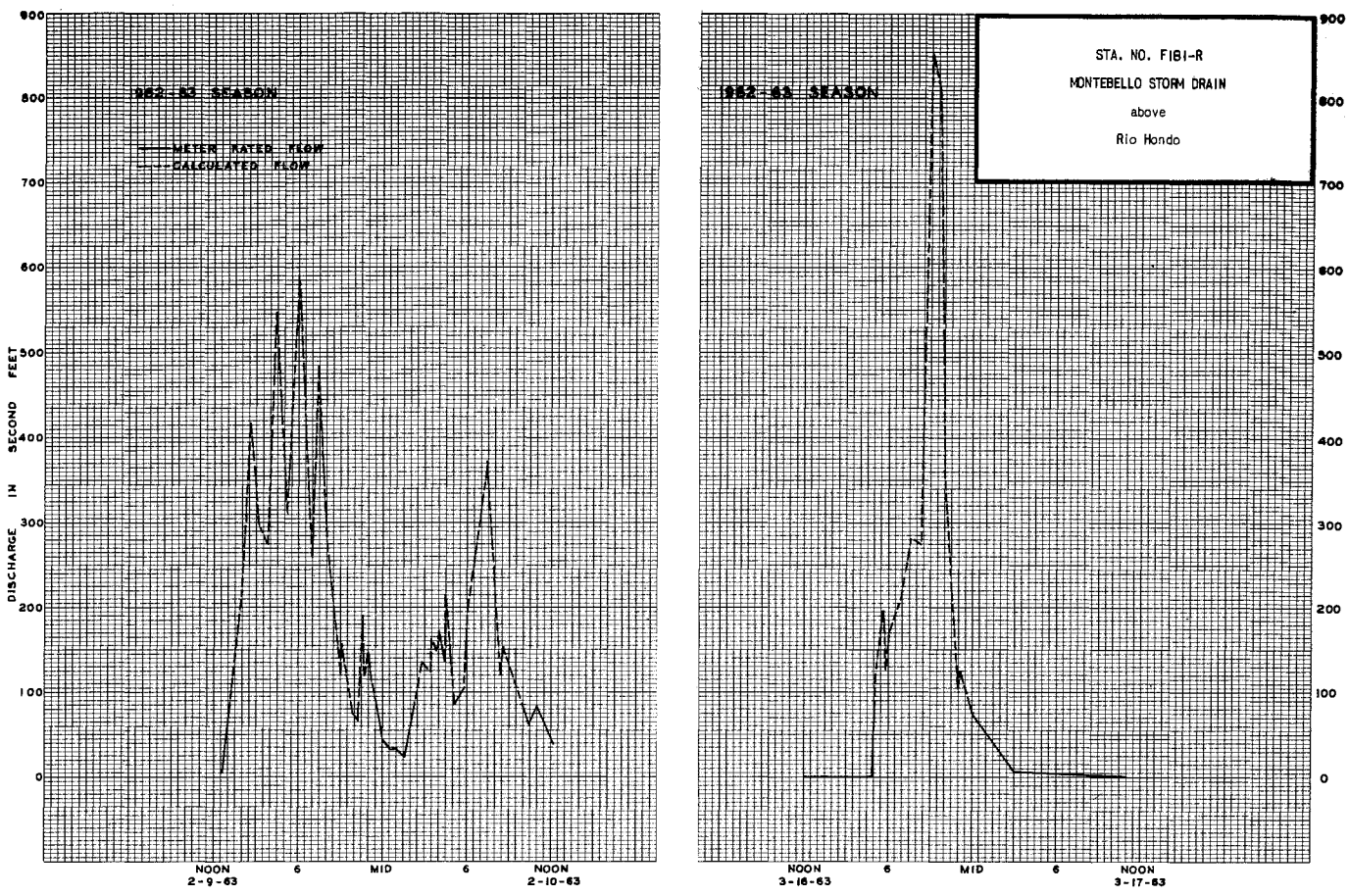
Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5	0.5	0.4	5.9	0.4	0.4	0.4	0.4	0.5	0.6	0.5
2	0.5	0.5	0.5	1.2	0.3	0.5	0.3	0.5	0.4	0.5	0.6	0.4
3	0.5	0.5	0.5	0.5	0.3	0.4	0.3	0.5	0.4	0.5	0.6	0.5
4	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.5	0.3	0.5	0.5	13.7
5	0.5	0.4	0.5	0.4	0.3	1.2	0.3	0.5	0.4	0.5	0.5	0.3
6	0.5	0.3	0.5	0.4	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.5
7	0.5	0.3	0.4	0.4	0.5	0.3	0.3	0.4	0.4	0.5	0.5	0.4
8	0.5	0.4	0.5	0.4	0.6	0.4	1.8	0.4	0.5	0.5	0.5	0.5
9	0.5	0.4	0.5	0.4	129	0.8	0.4	0.4	0.4	0.5	0.5	0.5
10	0.5	0.4	0.4	1.2	70	0.3	0.4	0.5	0.5	0.5	0.5	0.8
11	0.5	0.4	0.4	0.4	0.8	0.3	0.4	0.5	12.6	0.5	0.5	0.5
12	0.5	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.3	0.5	0.5	0.8
13	0.5	0.3	0.4	0.5	0.8	0.4	0.5	0.4	1.0	0.5	0.5	0.6
14	2.1	0.8	0.4	0.6	25	0.5	26	0.5	0.4	0.5	0.5	0.6
15	0.5	0.4	0.4	0.8	0.3	5.5	6.2	0.5	0.5	0.4	0.5	0.5
16	0.5	0.4	0.4	0.4	0.4	96	0.5	0.6	0.6	0.8	0.5	1.1
17	0.5	0.4	0.4	1.0	1.0	10.7	1.7	0.8	0.5	0.6	0.5	30
18	1.7	0.4	0.4	1.0	0.3	0.5	0.4	0.8	0.5	0.5	0.5	5.1
19	0.4	0.4	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	8.9
20	0.5	0.5	0.4	0.3	0.3	0.3	17.1	0.5	0.5	0.5	0.6	0.3
21	0.5	0.5	0.5	0.3	0.3	0.3	4.4	0.5	0.5	0.4	0.6	0.4
22	0.5	0.6	0.4	0.4	0.3	0.5	0.4	0.5	0.5	0.4	0.6	0.8
23	0.4	0.5	0.4	0.6	0.5	16.4	0.4	0.5	0.4	0.5	0.6	0.5
24	0.3	0.5	0.4	0.3	0.4	0.3	0.6	0.5	0.4	0.5	0.6	0.5
25	0.5	0.5	0.4	0.3	0.4	0.3	7.3	0.8	0.4	0.5	0.5	0.6
26	0.5	0.4	0.5	0.3	0.4	0.3	45	0.5	0.5	0.6	0.5	0.6
27	0.5	0.4	0.4	0.3	0.5	0.4	0.5	0.6	0.6	2.0	0.5	0.5
28	0.4	0.4	0.4	0.3	0.5	33	0.4	0.6	0.6	1.2	0.5	0.8
29	0.3	0.4	0.5	0.6		0.3	0.4	0.5	0.5	0.6	0.5	0.5
30	0.5	0.4	0.5	0.5		0.4	0.5	1.0	0.5	0.5	0.5	0.5
31	0.6		0.5	31		0.3		0.5		0.5	0.5	
	17.6	13.1	13.7	46.3	240.7	172.5	118.8	16.6	26.4	18.0	16.3	72.2
MEAN	0.57	0.44	0.44	1.49	8.60	5.56	3.96	0.54	0.88	0.58	0.53	2.41
ACRE-FEET	35.	26.	27.	92.	477.	342.	236.	33.	52.	36.	32.	143.

Remarks:

YEAR OR PERIOD MEAN 2.12
ACRE-FEET 1530.





STATION F118B-R
PACOIMA CREEK FLUME below Pacoima Dam

LOCATION: LAT. 34°20'07", LONG. 118°23'50", FOUR MILES NORTHEAST OF SAN FERN-FERNANDO, AND ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM. FORMER STATION F118-R WAS APPROXIMATELY 450 FEET DOWNSTREAM. FORMER STATION U13-R WAS APPROXIMATELY 0.5 MILE DOWNSTREAM. ELEVATION OF GAGE ABOUT 1650 FEET.

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME. CONTROL - 10-FOOT SAN DIMAS TYPE RUBBLE AND CONCRETE FLUME, 90° V-NOTCH WEIR CAN BE DROPPED IN PLACE TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: REGULATED BY PACOIMA DAM. STATIONS F118-R AND F118B-R DO NOT INCLUDE SPILLWAY DISCHARGES. STATION U13-R WAS SO LOCATED THAT IT WOULD HAVE INCLUDED SPILLWAY DISCHARGE.

DIVERSIONS: WATER PASSING OVER PACOIMA DAM SPILLWAY ENTERS PACOIMA CREEK BELOW STATION F118B-R.

RECORDS AVAILABLE: AT STATION U13-R, PACOIMA CREEK NEAR SAN FERNANDO, CALIFORNIA. AT OFFICE OF U.S. GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, LOS ANGELES, FROM MARCH 1916 TO SEPTEMBER 1929. FROM OCTOBER 1, 1929 TO MARCH 23, 1933. RECORDS BASED ON DAM OUTFLOW RECORDS AND GAGE READINGS AT THE PARSHALL FLUME BELOW PACOIMA DAM. THESE RECORDS ARE AVAILABLE AT THE OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.
AT STATION F118-R - MARCH 24, 1933 TO FEBRUARY 1, 1935.
AT STATION F118B-R - FEBRUARY 9, 1935 TO APRIL 28, 1937 AND JUNE 25, 1937, TO JUNE 15, 1943, AND FROM SEPTEMBER 15, 1943 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 511 SECOND-FEET APRIL 7.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 23. SECOND-FEET SEPTEMBER 25.
MINIMUM PLUS FLOW MOST OF YEAR.
1916-29 (STATION U13-R)
MAXIMUM 1860 SECOND-FEET FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-63 (STATIONS F118-R, AND PARSHALL FLUME AND DAM RECORDS.)
MAXIMUM 685 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: EXCELLENT FOR LIMITS OF FLOW.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 118B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	+	+	+	89	0 2	+	+	0 1	0 1	9 8
2		0	1 8			51	87			0 1	0 1	4 4
3		0	+			10 8	139			0 1	0 1	0 2
4		0				10 8	152			0 1	0 1	a 0 1
5	+	0				10 9	147			0 1	0 1	+
6	0	0			+	11 1	140			0 1	0 1	
7	0	0				14 4	130			0 1	0 1	
8	0	0			0 1	b 18 1	b 14 5			0 1	0 1	
9	0	0			6 0	18 1	14 3			0 1	0 1	
10	0	0			6 0	18 1	12 5			e 0 1	0 1	
11	0	0			32	b 18 1	12 5			ee 0 1	0 1	
12	0	0			119	12 0	11 8			ee 0 1	0 1	
13	0	0			160	1 4	11 7			0 1	7 4	
14	0	0			137	1 4	11 8			0 1	10 8	
15	0	0			69	0 8	10 8			0 1	10 8	
16	0	0			143	0 3	9 8			0 1	10 8	
17	0	0			119	0 2	8 0			0 1	10 8	
18	0	0			101	0 2	8 0			0 1	10 8	
19	0	0		+	12 5	0 2	8 0			0 1	10 8	
20	0	0		5 6	90	0 2	b 0 4			0 1	10 8	
21	0	0		+	111	0 2	+			0 1	10 6	
22	0	0		4 9	76	0 2		+		0 1	10 6	
23	0	0		1 1	98	0 2		0 1		0 1	10 5	
24	0	0		+	100	0 2		0 1		0 1	10 5	
25	0	0			91	0 2		0 2		0 1	10 3	
26	0	0			93	0 2		0 2		0 1	10 3	
27	0	0			94	0 2		0 2		0 1	10 2	
28	0	0			91	0 2		0 2		0 1	10 0	
29	0	+				0 2		0 2	+	0 1	10 0	
30	0	+	+	+		0 2	+	0 2	0 1	0 1	9 9	
31	0					0 2		0 1		0 1	9 8	
	0	+	1 8	11 6	1748 6	289 3	9293	1 5	0 1	3 1	1969	14 5
MEAN	+	+	0.06	0.37	63.1	9.33	31.0	0.05	+	0.1	6.35	0.48
ACRE-FEET	+	+	3.6	3.0	3500.	574.	1840.	3.0	0.2	6.1	391.	29.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.76
ACRE-FEET 6340.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F118B-R

Daily discharge, in second-feet of PACOIMA CREEK FLUME below Pacoima Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	+	+	+	+	+	+
2												
3												
4												
5												
6												
7												
8												
9												
10												+
11												3.8
12												4.8
13												3.0
14												4.0
15												4.0
16												4.0
17												2.9
18												0.3
19												0.3
20												0.2
21												0.2
22												0.2
23												1.4
24												11.1
25												16.3
26												20
27												19.3
28					+							1.6
29												+
30		+					+		+			+
31	+		+	+		+		+		+	+	
	+	+	+	+	+	+	+	+	+	+	+	97.4
MEAN	+	+	+	+	+	+	+	+	+	+	+	3.25
ACRE-FEET	+	+	+	+	+	+	+	+	+	+	+	193.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.27
ACRE-FEET 193.

STATION F305-R
PACOIMA DIVERSION at Branford Street

LOCATION: LAT. 34°14'04", LONG. 118°25'14", ON THE LEFT (NORTHEASTERLY) BANK OF THE CHANNEL, 35 FEET ABOVE BRANFORD STREET BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 844 FEET.

DRAINAGE AREA: 48.8 SQUARE MILES.

CHANNEL AND CONTROL: TRAPEZOIDAL CONCRETE, WITH GROUTED ROCK WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 1963.

REGULATION: FLOW REGULATED BY PACOIMA DAM AND LOPEZ BASIN.

DIVERSIONS: SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO LOPEZ AND PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: OCTOBER 30, 1953 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2960 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 988 SECOND-FEET APRIL 25.
MINIMUM NO FLOW AT VARIOUS TIMES.
1953-63
MAXIMUM 2960 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM NO FLOW VARIOUS TIMES.

ACCURACY: GOOD.

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

FDD 724K Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	4.9	+	+	0	0	+				
2	|	0.2	98	0	+	6.0	0.2	0				
3	|	0.2	4.1	0	0.1	2.0	3.5	+				
4	|	0.2	0	0	+	1.7	0	+				
5	|	0	0	0	0.3	1.7	0	+				
6	|	+	0.2	0	1.9	19.4	0	0				RECORDER STOPPED FOR SUMMER
7	|	+	0	0	12.2	1.0	0	0				
8	|	0.3	0	0	5.4	1.7	0	0				
9	+	+	0	0.6	14.7	10.1	+	+				
10	0.5	0.8	0	0.6	23.4	1.0	0	0				
11	1.3	0.6	+	0	49.6	1.0	0	0	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	
12	0.7	+	+	6.0	23.4	2.0	+	0				+
13	0.1	+	+	+	5.3	1.0	+	0				+
14	0.8	0.1	10.6	0	0	0.8	0	6.2				+
15	0.1	0.6	0	0	7.4	0.6	0	+				1.0
16	0.8	0.8	0	0	4.4	0.4	+	7.6				0.3
17	1.9	+	0	0	19.8	0.4	+	+				0.4
18	0.8	+	0	0	5.2	26	0					0.4
19	1.6	+	0	0	131	2.1	0					+
20	+	54	0	104	14.1	5.9	1.0					+
21	+	+	0	22	+	0.2	+					+
22	+	0	0	37	5.6	4.7	|	RECORDER STOPPED FOR SUMMER				0.3
23	0	0	0	1.3	0	+	|					+
24	0	0	0	+	15.9	0	|					|
25	0	2.4	0	0	+	0	|					|
26	0	0.1	0	0.1	0	0	|					|
27	0	0.1	0	0.1	0	0	|					|
28	0	0.4	0	+	0	0	|					|
29	0	0.4	0	1.3		0	+					|
30	0	11.4	0	0		0	0					+
31	0		0	0		0						
	8.6	94.2	117.8	173.0	1362.1	89.7	4.7	13.8	E +	E +	E +	2.4
MEAN	0.28	3.14	3.80	5.58	48.6	2.89	0.16	0.45	E +	E +	E +	0.08
ACRE-FEET	17.	187.	234.	343.	2700.	178.	9.3	27.	E +	E +	E +	4.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.12
ACRE-FEET 3700.

7-D-7-M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

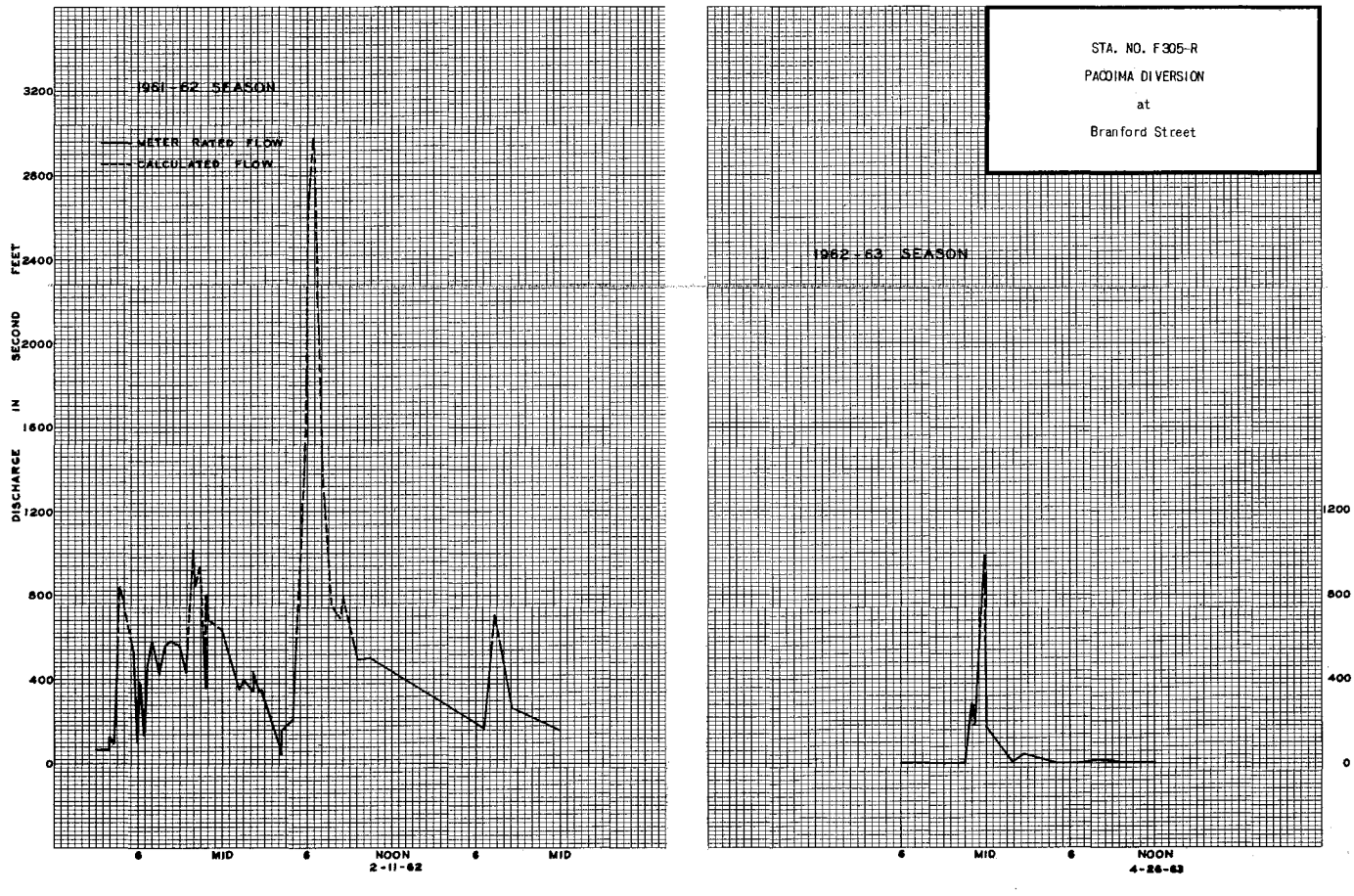
Sta. No. F305-R

Daily discharge, in second-feet of PACOIMA DIVERSION at Branford Street for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	2.8	+	3.2	+	+	+	0.3	0.3
2		+		+	+		+	0.3		+	0.3	0.3
3		+		0.3				0.6		0.4	0.8	0.4
4		0.3		+				0.3		+	0.3	10.3
5		+						0.3			0.4	+
6							+	0.3			0.6	
7							0.3	0.3			0.4	
8			+	+	+	+	13.4	0.3			0.4	
9			0.3	1.4	78	4.3	+	0.3			0.4	
10			+	+	16.0	+	+	0.3	+		1.0	
11			+		1.4		0.4	+	e 16.1		0.3	
12			0.3		0.6		+		5.1		0.3	
13		+	+		0.8		+		+		0.3	
14		0.3	0.3		32	+	17.9	+		+	0.3	
15		+	0.3	+	0.8	2.7	4.2	0.3		0.3	0.4	
16			0.3	0.3	1.0	35	0.6	0.3		0.4	0.4	+
17			0.3	+	0.8	29	2.8	0.4	+	+	0.4	0.8
18			0.3	+	0.4	0.3	0.3	0.4	0.3	+	0.3	3.4
19		+	0.3	0	+	0.3	0.3	0.3	0.4	+	0.3	10.8
20		0.4	+	+	0.3	0.3	8.7	0.3	0.8	0.6	0.4	+
21		0.3	+		+	0.7	2.2	0.4	0.3	0.4	0.4	0.1
22		+	+			1.2	0.3	0.6	0.4	0.3	0.4	+
23		+	0.3			6.1	0.4	0.8	0.4	+	0.4	+
24		0.3	0.3	+		0.4	0.3	0.3	0.3	0.3	0.3	+
25		0.3	+	0.4	+		25	0.3	0.4	+	0.4	0.3
26		+		0.4	+		13.4	0.4	0.3	0.3	0.3	+
27		+		0.4	+		0.4	0.3	0.3	0.3	0.3	
28		+	+	0.6	+	19.4	+	e 0.2	+	0.3	0.3	
29		0.4	0	0.4		0.3	+	0.2	+	0.3	0.4	
30	+	0.6	+	+		0.3	+	0.1	+	0.3	0.4	+
31	0.3		+	28		0.3		e 0.1		0.3	0.4	
	0.3	2.9	3.0	32.2	134.9	100.6	94.1	8.7	25.1	4.5	12.3	26.7
MEAN	+	0.10	0.10	1.04	4.82	3.24	3.14	0.28	0.83	0.14	0.40	0.89
ACRE-FEET	0.6	5.8	6.0	64.	268.	200.	187.	17.	50.	8.9	24.	53.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.22
ACRE-FEET 896.



STATION F15-R
PACOIMA WASH at Van Nuys Boulevard

LOCATION: LAT. 34°12'24", LONG. 118°26'55", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL, 60 FEET ABOVE VAN NUYS BOULEVARD BRIDGE, AND AT UPSTREAM END OF TRANSITION TO CONCRETE-LINED CHANNEL. ELEVATION OF ZERO GAGE HEIGHT 754.12 FEET.

DRAINAGE AREA: INDETERMINATE, SUBJECT TO OPERATIONS AT PROJECT 85.

CHANNEL AND CONTROL: SAND BOTTOM WITH PIPE AND WIRE SIDES, 30 FEET WIDE AND 10 FEET DEEP. WEIR IN TRANSITION TO CONCRETE-LINED CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOW MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA SPREADING GROUNDS AND PROJECT 85 DIVERSION STRUCTURE.

DIVERSIONS: FLOW FROM PACOIMA WASH CAN BE DIVERTED TO PROJECT 85 AT RAYMER STREET.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1963. RECORDS FOR STATION F16-R. PACOIMA WASH AT PARTHENIA STREET. AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:

1961-62
- MAXIMUM 245 SECOND-FEET FEBRUARY 12.
- MINIMUM NO FLOW MOST OF YEAR.

1962-63
- MAXIMUM 106 SECOND-FEET FEBRUARY 9.
- MINIMUM NO FLOW MOST OF YEAR.

1952-63
- MAXIMUM 785 SECOND-FEET NOVEMBER 15, 1952. (PRIOR TO PACOIMA DIVERSION, 1953-54).
- MAXIMUM 576 SECOND-FEET JANUARY 6, 1959, AFTER COMPLETION OF PACOIMA DIVERSION.
- MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PACOIMA WASH DIVERSION CHANNEL DIVERTS ALL OF PACOIMA WASH FLOW ABOVE SHARP STREET, EXCEPT THAT WHICH IS SPREAD IN PACOIMA SPREADING GROUNDS, TO TUJUNGA WASH. DIVERSION WAS COMPLETED PRIOR TO OCTOBER 1953. PROJECT 85 DIVERTS STORM FLOWS TO CAPACITY OF THE DOWNSTREAM CHANNEL TO TUJUNGA WASH. DIVERSION WAS COMPLETED PRIOR TO APRIL 1960.

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

FD17AM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0				
2	0	0	9.4	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				RECORDER STOPPED FOR SUMMER
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0.7	0	0				
7	0	0	0	0	1.4	0	0	0				
8	0	0	0	0	6.7	0	0	0				
9	0	0	0	0	2.4	0	0	0				
10	0	0	0	0	2.8	0	0	0				
11	0	0	0	0	2.0	0	0	0				
12	0	0	0	0	2.4	0	0	0				
13	0	0	0	0	0	0	0	0				0
14	0	0	+	0	0	0	0	0				0
15	0	0	0	0	2.5	0	0	0				0
16	0	0	0	0	0	0	0	+				0
17	0	0	0	0	0	0	0					0
18	0	0	0	0	0	1.5	0					0
19	0	0	0	0	8.2	0.2	0					0
20	0	1.4	0	3.2	0	0.1	0					0
21	0	0	0	0.9	0	0.1	0					0
22	0	0	0	5.4	0	0	0					0
23	0	0	0	0.3	0	0	0					0
24	0	0	0	0	0	0	0					0
25	0	3.1	0	0	0	0	0					0
26	0	0	0	0	0	0	0					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	0	0	0					0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					0
31	0		0	0		0						
	0	4.5	9.4	9.8	93.2	2.6	0	+	E 0	E 0	E 0	E 0
MEAN	0	0.15	0.30	0.32	3.33	0.08	0	+	E 0	E 0	E 0	E 0
ACRE-FEET	0	9.0	19.	20.	185.	5.2	0	+	E 0	E 0	E 0	E 0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 238.

FDD 7-61M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

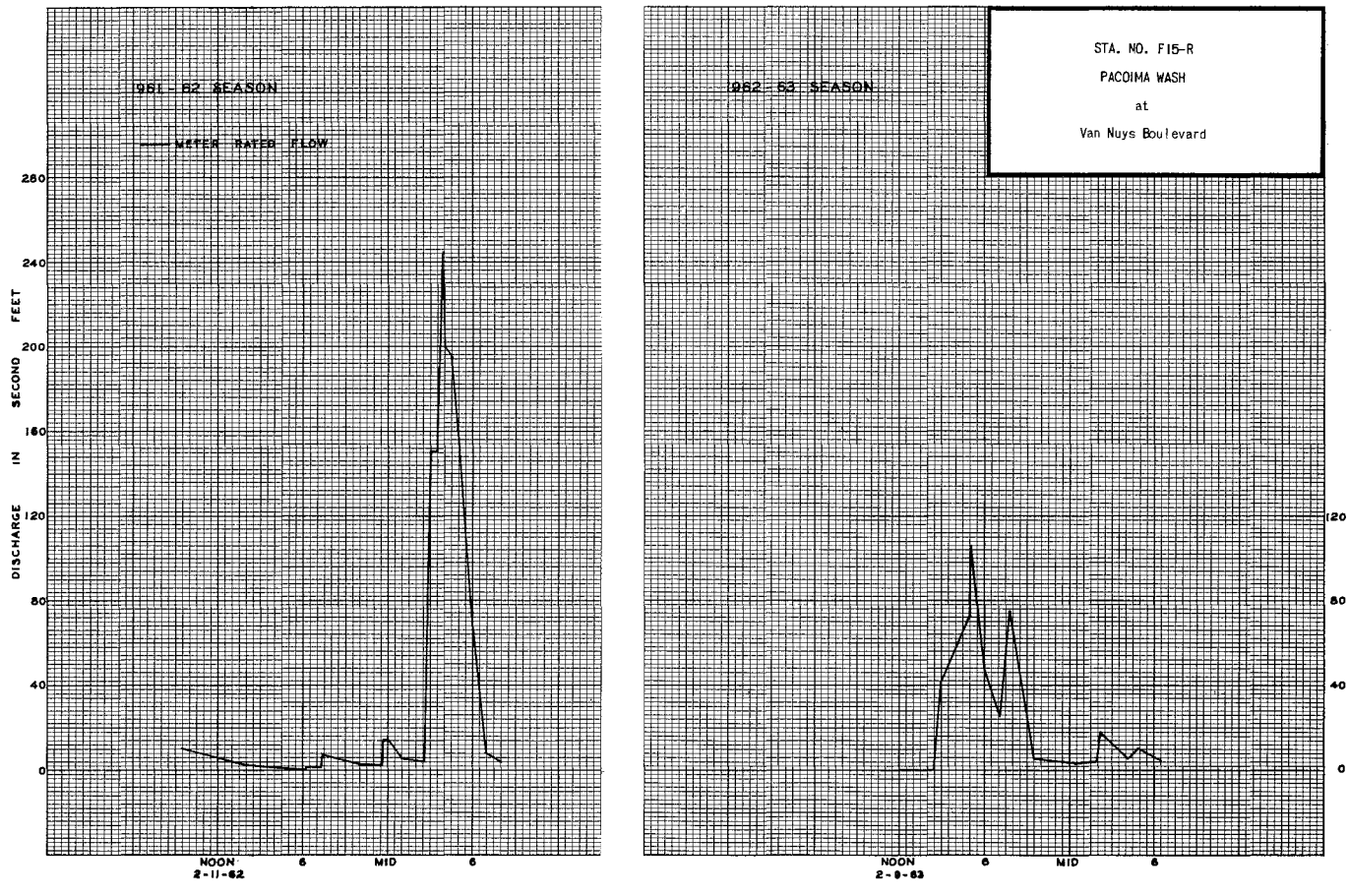
Sta. No. F15-R

Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.3	0	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				0
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	15	0	0	0				0
10	0	0	0	0	4.4	0	0	0				0
11	0	0	0	0	+	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0.4	0	1.3	0				0
15	0	0	0	0	0	0	0	0				0
16	0	0	0	0	0	7.6	0	0				0
17	0	0	0	0	0	0.3	0	0				0
18	0	0	0	0	0	0	0	0				0
19	0	0	0	0	0	0	0	0				0
20	0	0	0	0	0	0	+	0				0
21	0	0	0	0	0	0	+	0				0
22	0	0	0	0	0	0	0	0				0
23	0	0	0	0	0	+	0	0				0
24	0	0	0	0	0	0	0	0				0
25	0	0	0	0	0	0	0.9	0				0
26	0	0	0	0	0	0	1.2	0				0
27	0	0	0	0	0	0	0	0				0
28	0	0	0	0	0	3.1	0	0				0
29	0	0	0	0		0	0					0
30	0	0	0	0		0	0					
31	0		0	1.5		0						
	0	0	0	1.5	20.1	11.0	3.4	E O	E O	E O	E O	E O
MEAN	0	0	0	0.05	0.72	0.36	0.11	E O	E O	E O	E O	E O
ACRE-FEET	0	0	0	3.0	40.	22.	6.7	E O	E O	E O	E O	E O

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 72.



STATION F122-R
PALLETT CREEK at Valyermo Highway

LOCATION: LAT. 34°27'38", LONG. 117°51'53", ON THE LEFT (WEST) BANK AT THE UPSTREAM SIDE OF THE VALYERMO HIGHWAY BRIDGE, 1.3 MILES NORTHWEST OF VALYERMO RANGER STATION. ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 3535 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. NO ARTIFICIAL CONTROL FOR LOW FLOWS. BRIDGE CULVERT FORMS PARTIAL CONTROL FOR EXTREMELY HIGH FLOWS.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 31, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND DIVERSIONS: NONE.

RECORDS AVAILABLE: OCTOBER 31, 1961 TO SEPTEMBER 30, 1963. FOR PREVIOUS MEASUREMENTS SEE STAFF GAGE STATION F122-S.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 259 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 3.0 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES, JULY THROUGH SEPTEMBER.
1961-63
MAXIMUM 259 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

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

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F122-R

Daily discharge, in second-feet of PALLETT CREEK at Valyermo Highway, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	0	0	b 0.1	0.8	0.5	0.4
2	0	0	0.7	0	0	|	0	0	| 0.1	b 0.6	0.4	0.4
3	0	0	0	0	0	|	0	0	| 0.1	0.5	0.4	0.4
4	0	0	0	0	0	|	0	0	| 0.1	0.6	0.4	0.4
5	0	0	0	0	0	+	0	0	b 0.1	0.7	0.4	0.4
6	0	0	0	0	0	e 0.1	0	0	0.1	0.7	0.4	0.4
7	0	0	0	0	0	| 0.1	0	0	| 0.2	0.7	0.4	0.4
8	0	0	0	0	0	| 0.1	0	0	| 0.2	0.7	0.4	0.4
9	0	0	0	0	+	| 0.1	0	0	| 0.3	0.7	0.4	0.4
10	0	0	0	0	| 0.4	| 0.1	0	0	| 0.4	0.7	0.4	0.4
11	0	0	0	0	| 9.2	e | 0.1	0	0	| 0.6	0.7	0.4	0.4
12	0	0	0	0	| 4.5	+	0	0	| 0.5	0.7	0.4	0.4
13	0	0	0	0	| +	|	0	0	| 0.5	0.7	0.4	0.4
14	0	0	0	0	| 0	|	0	0	| 0.7	0.7	0.4	0.4
15	0	0	0	0	| 0	|	0	0	| 0.5	0.6	0.4	0.4
16	0	0	0	0	| 0	|	0	0	| 0.4	0.6	0.4	0.4
17	0	0	0	0	| +	|	0	0	| 0.4	0.6	0.4	0.5
18	0	0	0	0	|	|	0	0	| 0.3	0.6	0.4	0.5
19	0	0	0	0	|	|	0	0	| 0.3	0.6	0.4	0.4
20	0	0	0	0	|	|	0	0	| 0.3	c 0.6	0.4	0.4
21	0	0	0	0	|	+	0	0	| 0.5	0.6	0.4	0.5
22	0	0	0	0	|	0	0	0	| 0.5	0.6	0.4	0.5
23	0	0	0	0	|	0	0	0	| 0.5	0.5	0.4	0.5
24	0	0	0	0	|	0	0	+	| 0.5	0.5	0.4	0.5
25	0	0	0	0	|	0	0	|	| 0.8	c 0.5	0.4	0.5
26	0	0	0	0	|	0	0	|	| 1.0	0.5	0.4	0.5
27	0	0	0	0	|	0	0	|	| 1.1	0.5	0.4	0.5
28	0	0	0	0	| +	0	0	|	| 1.1	0.5	0.4	0.5
29	0	0	0	0	|	0	0	|	| 0.8	0.5	0.4	0.4
30	0	0	0	0	|	0	0	|	| 0.8	0.5	0.4	0.4
31	0		0	0	|	0		+	|	0.5	0.4	
	0	0	0.7	0	9 7 3	0.6	0	+	1 3 .8	1 8 .6	1 2 .5	1 3 .0
MEAN	0	0	0.02	0	3.48	0.02	0	+	0.46	0.61	0.40	0.43
ACRE-FEET	0	0	1.4	0	193.	1.2	0	+	27.	37.	25.	26.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.43
ACRE-FEET 311.

FORM Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

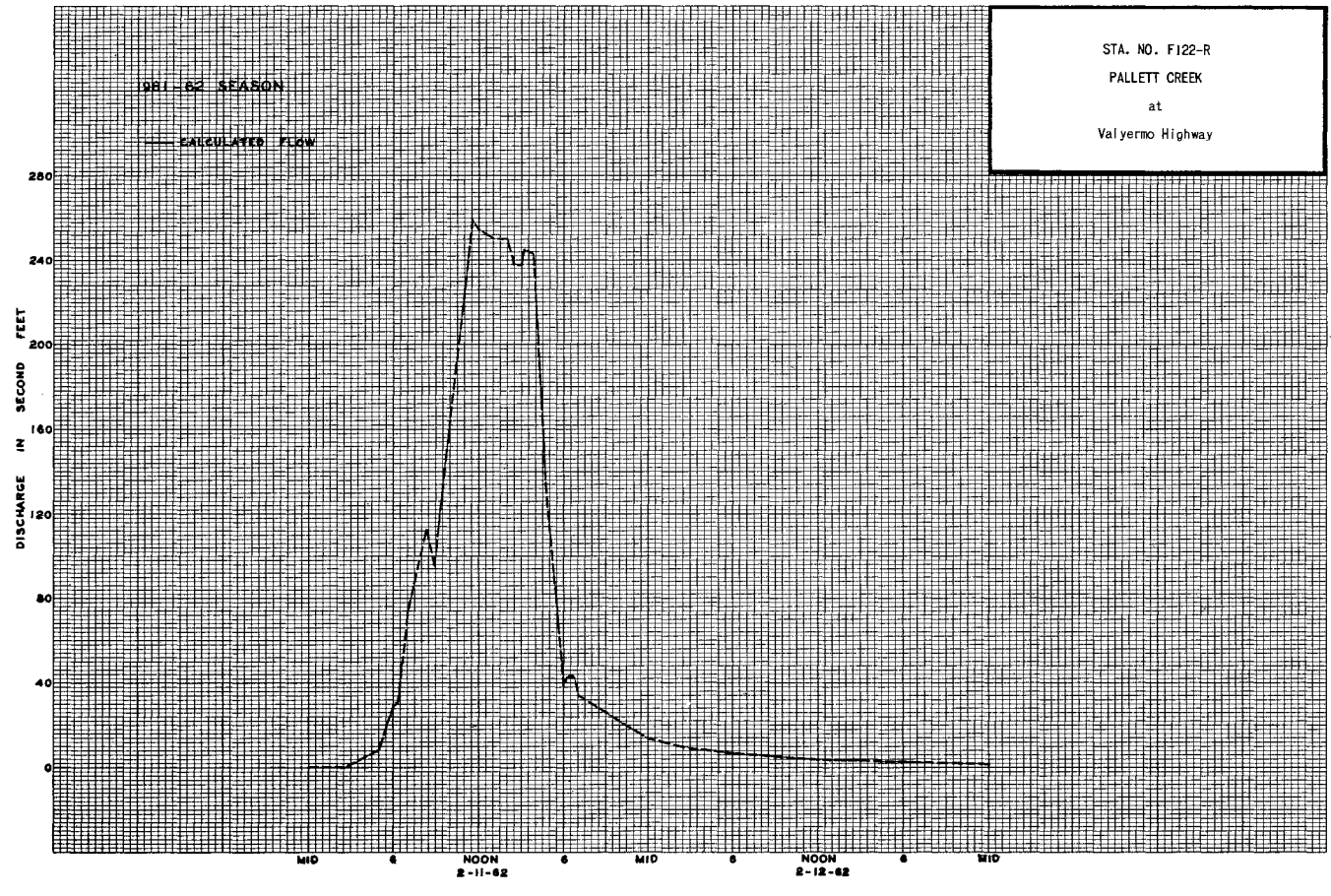
Sta. No. F122-R

Daily discharge, in second-feet of PALLETT CREEK at Valyermo Highway, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.2	+	0	0
2	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.2		0	0
3	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.2	0.2		0	0
4	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.2	0.2		0	0
5	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.2	0.2	+	0	0
6	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.3	0.2	0	0	0
7	0.4	0.4	0.5	0.5	0.4	0.5	0.3	0.3	0.2	0	0	0
8	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.3	0.2	0	0	0
9	0.4	0.4	0.4	0.4	0.6	0.5	0.4	0.3	0.1	0	0	0
10	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.1	0	0	0
11	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.1	0	0	0
12	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0	0	0
13	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0	0	0
14	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0	0	0
15	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0	0	0
16	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0	0	0
17	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0	0	0
18	0.4	0.6	0.4	0.4	0.3	0.4	0.2	0.2	0.1	0	0	0
19	0.4	0.7	0.4	0.4	0.3	0.4	0.2	0.2	0.1	0	0	0
20	0.4	0.7	0.4	0.4	0.3	0.4	0.2	0.2	0.1	0	0	0
21	0.4	0.7	0.4	0.4	0.3	0.4	0.3	0.2	+	0	0	0
22	0.4	0.7	0.4	0.4	0.3	0.4	0.3	0.2		0	0	0
23	0.4	0.7	0.3	0.4	0.3	0.4	0.3	0.2		0	0	0
24	0.4	0.7	0.3	0.4	0.4	0.4	0.3	0.2		0	0	0
25	0.4	0.6	0.3	0.4	0.4	0.4	0.3	0.2		0	0	0
26	0.4	0.6	0.3	0.4	0.4	0.4	0.3	0.2		0	0	0
27	0.4	0.6	0.3	0.4	0.4	0.4	0.2	0.2		0	0	0
28	0.4	0.5	0.3	0.4	0.4	0.4	0.2	0.2		0	0	0
29	0.4	0.5	0.3	0.4		0.4	0.2	0.2		0	0	0
30	0.4	0.5	0.4	0.4		0.4	0.2	0.2	+	0	0	0
31	0.4		0.5	0.4		0.3		0.2		0	0	
	12.4	15.1	12.6	13.2	11.0	13.2	8.6	6.9	2.8	+	0	0
MEAN	0.40	0.50	0.41	0.43	0.39	0.43	0.29	0.22	0.09	+	0	0
ACRE-FEET	25.	30.	25.	26.	22.	26.	17.	14.	5.6	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.26
ACRE-FEET 190.



STATION F135-R
PLACERITA CREEK at Saugus-Ventura Road

LOCATION: LAT. 34°24'52", LONG. 118°32'34", ON THE RIGHT (EAST) BANK AND ON THE UPSTREAM SIDE OF SAUGUS-VENTURA ROAD BRIDGE, ABOUT 700 FEET WEST OF HIGHWAY 6. ELEVATION OF ZERO GAGE HEIGHT 1143.97 FEET.

DRAINAGE AREA: 40.9 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOW MEASURED BY CABLE CAR, 200± FEET UPSTREAM FROM STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1963. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135-S, NEWHALL CREEK.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3410 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 1750 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1947-63
MAXIMUM 6800 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Saugus-Ventura Road, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0		0	0	+	0	0				
2	0	0	7.6	0	0	+	0	0				
3	0	0	3.6	0	0	+	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0.9	0	0				
7	0	0	0	0	1.3	0	0	0				
8	0	0	0	0	16.4	0	0	0				
9	0	0	0	0	10.6	+	0	0				
10	0	0	0	0	90.1	0	0	0				
11	0	0	0	0	104.0	0	0					
12	0	0	0	0	54.5	0	0					
13	0	0	0	0	4.0	0	0					
14	0	0	0	0	6.7	0	0					
15	0	0	0	0	9.8	0	0					
16	0	0	0	0	2.0	0	0					
17	0	0	0	0	5.3	0	0					
18	0	0	0	0	0.5	1.1	0					
19	0	0	0	0	25.1	0	0					
20	0	2.8	0	3.7	3.8	0	0					
21	0	0	0	0.5	11.0	0	0					
22	0	0	0	4.6	4.6	+	0					
23	0	0	0	8.6	3.2	+	0					
24	0	0	0	V 0.1	2.6	0	0					
25	0	2.2	0	0.1	1.6	0	0					
26	0	0	0	0.5	0.2	0	0					
27	0	0	0	0.4	0.1	0	0					
28	0	0	0	0.2	+	0	0					
29	0	0	0	V 0.1		0	0					
30	0	0	0	0		0	0					
31	0		0	0		0						
	0	50.0	79.6	52.1	3240.3	2.0	0	E 0	E 0	E 0	E 0	E 0
MEAN	0	1.67	2.57	1.68	116.	0.06	0	E 0	E 0	E 0	E 0	E 0
ACRE-FEET	0	99.	158.	103.	6430.	4.0	0	E 0	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 9.37
ACRE-FEET 6790.

7ED74M (Ab 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135-R

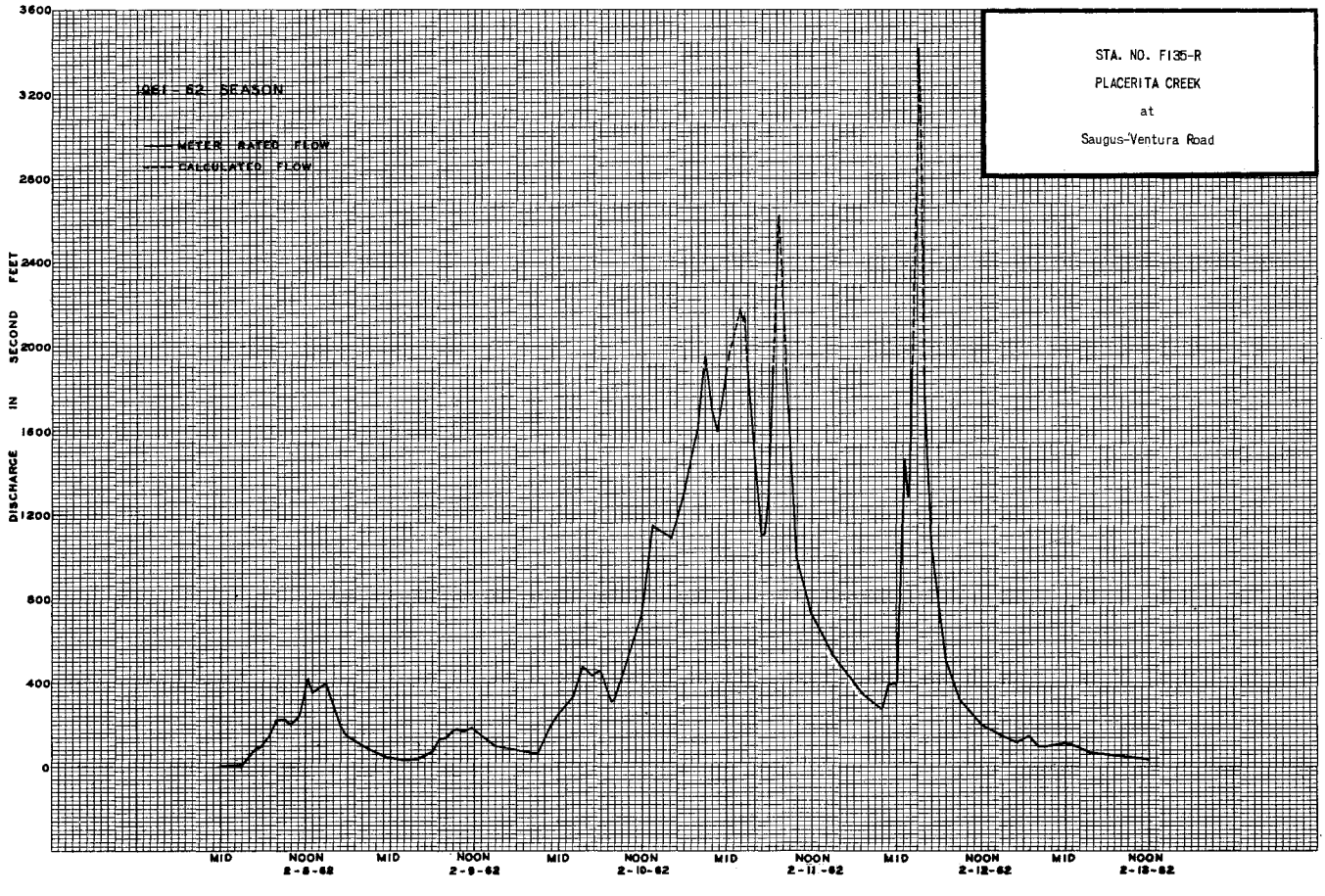
Daily discharge, in second-feet of PLACERITA CREEK at Saugus-Ventura Road for the year ending September 30, 19 63

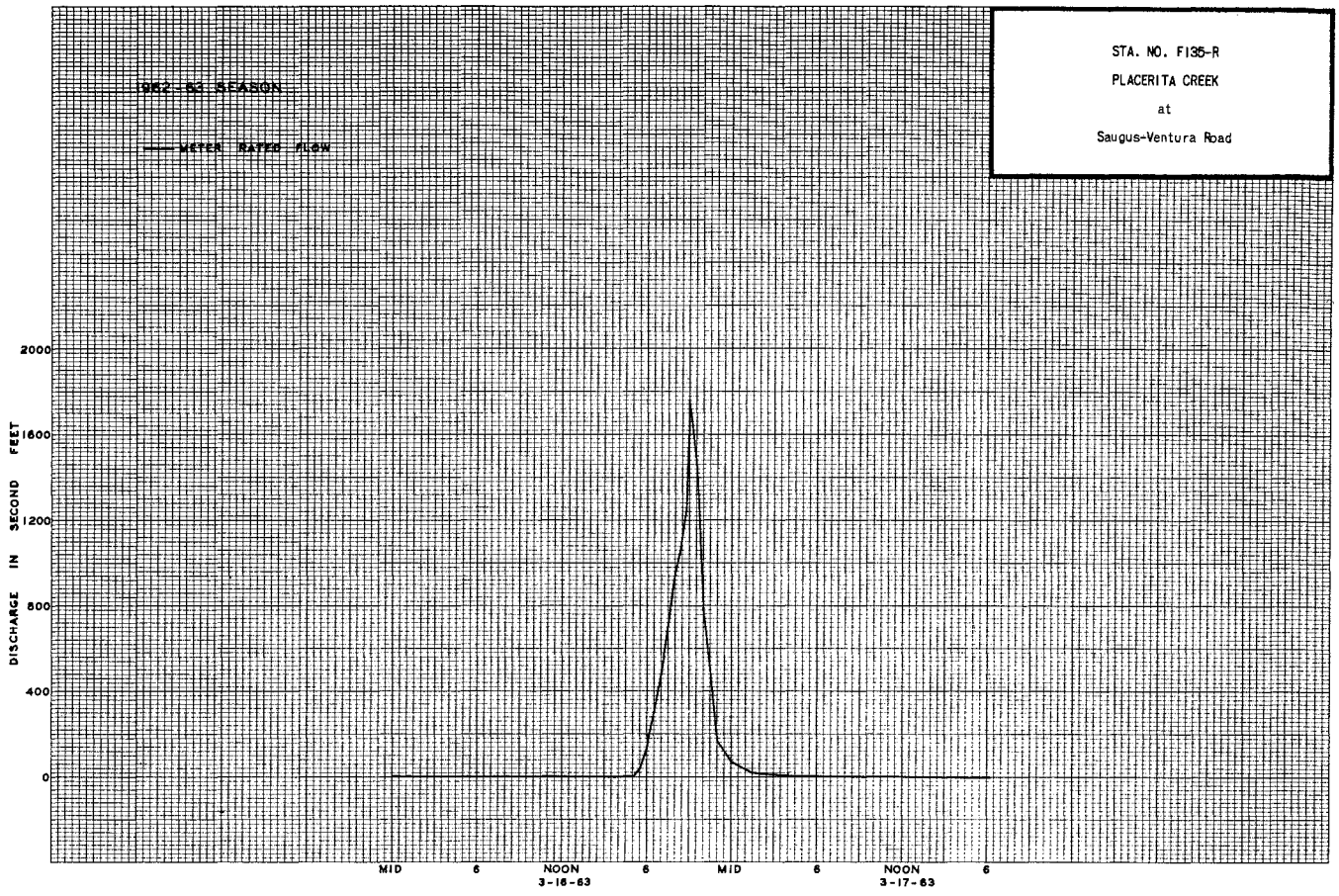
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	+	0	0				
2	0	0	0	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				0
7	0	0	0	0	0	0	0	0				0
8	0	0	0	0	0	0	0	0				0
9	0	0	0	0	111	4.5	0	0				0
10	0	0	0	0	5.4	0.2	0	0				0
11	0	0	0	0	0	0	0	0				0
12	0	0	0	0	0	0	0	0				0
13	0	0	0	0	0	0	0	0				0
14	0	0	0	0	0.8	0	4.1	0				0
15	0	0	0	0	0	0.2	2.9	0				0
16	0	0	0	0	0	176	0	0				0
17	0	0	0	0	0	4.4	0	+				0
18	0	0	0	0	0	0	0					0
19	0	0	0	0	0	0	+					0
20	0	0	0	0	0	0	0					0
21	0	0	0	0	0	0	2.2					0
22	0	0	0	0	0	0	0					0
23	0	0	0	0	0	1.1	0					0
24	0	0	0	0	0	0	+					0
25	0	0	0	0	0	0	2.9					0
26	0	0	0	0	0	0	43					0
27	0	0	0	0	0	0	0					0
28	0	0	0	0	+	44	0					0
29	0	0	0	0		0.0	0					0
30	0	0	0	0		0.0	0					0
31	0		0	0		0.0						
	0	0	0	0	117.2	230.4	55.1	E 0	E 0	E 0	E 0	E 0
MEAN	0	0	0	0	4.19	7.43	1.84	E 0	E 0	E 0	E 0	E 0
ACRE-FEET	0	0	0	0	232.	457.	109.	E 0	E 0	E 0	E 0	E 0

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.10
ACRE-FEET 799.





STATION F140-R
PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: LAT. 34°05'35", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT 824.80 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE. CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

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

RECORDER: CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND/OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM. METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL AND RELEASES ZONE 1 WATER INTO LIVE OAK WASH BELOW SEVENTH STREET, LA VERNE, WHICH IS MEASURED BY STATION F311-R. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION AND ALSO RELEASES WATER TO PUDDINGSTONE DIVERSION CHANNEL AT JUANITA STREET STATION F307-R, FOR PURCHASE BY LOS ANGELES COUNTY PARKS AND RECREATION DEPARTMENT.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1.5 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 21 SECOND-FEET NOVEMBER 28.
MINIMUM PLUS FLOW VARIOUS TIMES OF YEAR.
1929-63
MAXIMUM 414 SECOND-FEET APRIL 26, 1957.
MINIMUM NO FLOW AUGUST 1951.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.05	0.02	0.03	0.03	0.04	0.03	0.03	0.02	0.03	0.01
2	0.1	0.1	0.5	0.02	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.01
3	0.1	0.1	0.1	0.02	0.03	0.03	1.5	0.04	0.03	0.02	0.02	0.01
4	0.1	0.1	0.03	0.02	0.03	0.03	0.1	0.04	0.1	0.01	0.02	0.03
5	0.1	0.1	0.02	0.02	0.03	0.03	0.1	0.04	0.05	0.01	0.02	0.03
6	0.1	0.1	0.02	0.02	0.03	0.1	0.1	0.03	0.05	0.01	0.02	0.03
7	0.1	0.1	0.02	0.02	0.05	0.04	0.1	0.03	0.05	0.01	0.02	0.04
8	0.1	0.2	0.02	0.02	0.6	0.05	0.1	0.03	0.03	0.01	0.02	0.04
9	0.1	0.2	0.01	0.02	0.5	0.05	0.1	0.03	0.03	0.01	0.02	0.04
10	0.1	0.2	0.01	0.02	0.2	0.03	0.1	0.03	0.03	0.01	0.02	0.04
11	0.1	0.2	0.02	0.02	0.6	0.04	0.1	0.02	0.03	+	0.02	0.04
12	0.1	0.2	0.01	0.03	0.3	0.05	0.2	0.03	0.03	+	0.02	0.04
13	0.1	0.2	0.03	0.03	0.1	0.04	0.2	0.03	0.03	0.01	0.02	0.03
14	0.1	0.2	0.03	0.01	0.1	0.04	0.2	0.05	0.03	0.01	0.02	0.03
15	0.1	0.2	0.03	0.01	0.3	0.04	0.2	0.05	0.04	0.02	0.02	0.03
16	0.1	0.1	0.03	0.01	0.3	0.04	0.2	0.05	0.04	0.02	0.02	0.03
17	0.1	0.02	0.03	0.01	0.1	0.04	0.2	0.03	0.03	0.02	0.02	0.03
18	0.1	0.02	0.03	0.01	0.1	0.04	0.2	0.02	0.03	0.02	0.02	0.03
19	0.1	0.02	0.03	0.01	0.7	0.04	0.2	0.02	0.03	0.03	0.02	0.03
20	0.1	0.2	0.03	0.3	0.5	0.04	0.2	0.02	0.02	0.03	0.02	0.03
21	0.1	0.02	0.02	0.1	0.5	0.04	0.2	0.1	0.02	0.03	0.03	0.03
22	0.1	0.01	0.02	0.2	0.3	0.05	0.2	0.02	0.01	0.03	0.03	0.03
23	0.1	0.01	0.02	0.1	0.1	0.03	0.1	0.02	0.01	0.03	0.03	0.03
24	0.1	0.02	0.02	0.04	0.1	0.03	0.04	0.02	0.01	0.03	0.03	0.03
25	0.1	0.2	0.02	0.03	0.1	0.03	0.03	0.02	0.01	0.03	0.03	0.03
26	0.1	0.04	0.02	0.03	0.05	0.03	0.03	0.02	0.03	0.04	0.03	0.03
27	0.1	0.04	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.04	0.04	0.02
28	0.1	0.04	0.02	0.03	0.03	0.03	0.04	0.02	0.03	0.03	0.03	0.02
29	0.1	0.04	0.02	0.03		0.04	0.03	0.02	0.03	0.03	0.03	0.02
30	0.1	0.05	0.02	0.03		0.04	0.03	0.03	0.02	0.03	0.02	0.02
31	0.1		0.02	0.03		0.04		0.03		0.03	0.01	
	3.1	3.13	1.27	1.30	5.84	1.22	4.91	0.97	0.94	0.64	0.72	0.86
MEAN	0.10	0.10	0.04	0.04	0.21	0.04	0.16	0.03	0.04	0.02	0.02	0.03
ACRE-FEET	6.1	6.2	2.5	2.6	12.	2.4	9.7	1.9	1.9	1.3	1.4	1.7

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 50.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F40-R

Daily discharge, in second-feet of PUDDINGSTONE CREEK below Puddingstone Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.04	21	0.03	0.03	0.02	0.03	0.04	0.02	0.03	0.03	0.02
2	0.02	0.04	20	0.03	0.03	0.02	0.03	0.04	0.02	0.03	0.03	0.02
3	0.02	0.04	20	0.03	0.03	0.02	0.03	0.04	0.02	0.03	0.03	0.02
4	0.02	0.04	20	0.03	0.03	0.02	0.04	0.04	0.02	0.03	0.03	0.02
5	0.02	0.04	20	0.03	0.04	0.02	0.04	0.04	0.02	0.03	0.03	0.02
6	0.02	0.03	20	0.03	0.04	0.02	0.04	0.04	0.02	0.02	0.03	0.02
7	0.02	0.03	20	0.02	0.04	0.02	0.04	0.04	0.02	0.02	0.03	0.02
8	0.02	0.02	19.3	0.02	0.04	0.02	0.04	0.04	0.02	0.02	0.03	0.02
9	0.02	0.03	15.4	0.02	0.2	0.02	0.04	0.04	0.02	0.02	0.03	0.02
10	0.02	0.03	0.1	0.02	0.3	0.02	0.04	0.03	0.02	0.02	0.03	0.02
11	0.02	0.03	0.1	0.02	0.08	0.02	0.03	0.03	0.02	0.02	0.03	0.02
12	0.02	0.04	0.2	0.01	0.05	0.02	0.03	0.03	0.02	0.02	0.03	0.02
13	0.02	0.04	0.2	0.01	0.04	0.02	0.03	0.03	0.02	0.02	0.03	0.02
14	0.02	0.04	0.1	0.01	0.03	0.02	0.04	0.03	0.02	0.02	0.03	0.02
15	0.02	0.05	0.02	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.02
16	0.02	0.05	0.02	0.01	0.02	0.08	0.03	0.02	0.02	0.02	0.02	0.02
17	0.02	0.05	0.02	0.02	0.02	0.12	0.04	0.02	0.02	0.02	0.02	0.02
18	0.03	0.05	0.02	0.02	0.02	0.1	0.04	0.02	0.02	0.02	0.02	0.1
19	0.03	0.05	0.02	0.02	0.02	0.08	0.04	0.02	0.02	0.02	0.02	0.12
20	0.03	0.05	0.02	0.02	0.02	0.06	0.05	0.01	0.02	0.02	0.02	0.05
21	0.03	0.05	0.02	0.02	0.02	0.04	0.1	0.01	0.02	0.02	0.02	0.02
22	0.03	0.05	0.02	0.02	0.02	0.04	0.05	0.01	0.02	0.02	0.02	0.02
23	0.03	0.05	0.02	0.02	0.02	0.04	0.04	0.01	0.02	0.02	0.02	0.03
24	0.03	0.05	0.02	0.02	0.02	0.04	0.04	0.01	0.02	0.02	0.02	0.03
25	0.03	0.05	0.02	0.02	0.02	0.04	0.04	0.01	0.03	0.02	0.02	0.03
26	0.03	0.05	0.02	0.02	0.02	0.04	0.12	0.01	0.03	0.02	0.02	0.02
27	0.03	0.05	0.02	0.02	0.02	0.03	0.05	0.02	0.03	0.02	0.02	0.02
28	0.04	14.2	0.02	0.02	0.02	0.05	0.05	0.02	0.03	0.02	0.02	0.02
29	0.04	21	0.02	0.02		0.03	0.04	0.02	0.03	0.02	0.02	0.02
30	0.04	21	0.02	0.02		0.03	0.04	0.02	0.03	0.03	0.02	0.02
31	0.04		0.02	0.04		0.03		0.02		0.03	0.02	
	0.80	57.34	176.74	0.65	1.26	1.20	1.30	0.78	0.66	0.69	0.77	0.84
MEAN	0.03	1.89	5.76	0.02	0.04	0.04	0.04	0.03	0.02	0.02	0.02	0.03
ACRE-FEET	1.6	114.	351.	1.3	2.5	2.3	2.6	1.5	1.3	1.4	1.5	1.7

Remarks:

YEAR OR PERIOD MEAN 0.67
ACRE-FEET 483.

STATION F192B-R
RIO HONDO at Lower Azusa Road

LOCATION: LAT. 34°05'31", LONG. 118°01'51", ON THE RIGHT (WEST) BANK ABOUT 300 FEET DOWNSTREAM FROM LOWER AZUSA ROAD AND ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 278.73 FEET. FORMER STATION F192-R WAS ON THE LOWER AZUSA ROAD BRIDGE.

DRAINAGE AREA: 40.9 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL CONCRETE, DEPTH = 14 FEET. BOTTOM WIDTH IS 80 FEET. TOP WIDTH IS 143 FEET. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATIONS: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM. BIG SANTA ANITA DAM, SAWPIT DAM, SPILLWAY AND DIVERSION AT SANTA FE DAM, PECK ROAD PIT, BUENA VISTA PIT AND SEVERAL DEBRIS BASINS.

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. AT STATION F192-R RECORDER RECORDS FROM MARCH 29, 1932 TO MAY 7, 1958 AND FROM DECEMBER 18, 1958 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 856 SECOND-FEET FEBRUARY 12 AND FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES.

1962-63
MAXIMUM 182 SECOND-FEET MARCH 16.
MINIMUM NO FLOW AT VARIOUS TIMES.

1932-63
MAXIMUM 31,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF YEAR FOR SEVERAL YEARS.

ACCURACY: FAIR.

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

75D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192B-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.6	0	0	117	0.1	0	+	0	0	+
2	0	0	18.4	0	0	192	0.1	0	+	0	0	+
3	0	0	0.6	0	0	72	0.6	0	0	0	0	0
4	0	0	0	0	0	132	0.4	0	0	0	0	0
5	0	0	+	0	0	132	0.2	0	0	0	+	0
6	0	0	0	0	0	114	+	+	0	0	+	0
7	+	0	0	0	1.6	138	+	0	0	0	0	0
8	0	0	+	+	21	172	+	0	0	0	0	0
9	0	0	+	0	10.8	187	0	0	0	0	0	0
10	0	0	0	0	7.0	33	0	0	0	+	0	0
11	0	0	+	0	60	0.8	0	0	0	+	0	0
12	0	0	0	0.7	377	0.8	+	+	0	0	0	0
13	0	0	0	0.1	630	0.6	+	+	0	0	+	0
14	0	0	0.7	0	381	0.4	0	2.2	0	0	0	0
15	0	0	0	0	270	0.3	0	+	0	0	+	0
16	0	0	0	0	50	0.3	+	1.4	0	0	0	0
17	0	+	0	0	236	0.4	|	+	0	0	0	0
18	0	0	0	0	137	0.8	0	0	0	0	0	0
19	0	0	0	0	188	0.4	+	0	0	0	+	0
20	0	21	0	16.1	188	0.4	0	0	+	0	0	0
21	0	+	0	1.8	251	0.3	+	0	+	+	+	0
22	0	+	0	6.9	105	0.8	+	0	0	+	0	0
23	0	+	0	0.1	105	0.3	0	0	0	0	0	0
24	0	0	0	0	132	0.3	0	0	0	0	0	0
25	0	3.7	0	0	105	0.3	+	0	0	0	0	0
26	0	0.4	0	0	100	0.3	0	0	+	0	0	0
27	0	0	0	0	76	0.3	0	0	+	0	0	0
28	0	0	0	0	67	0.4	0	0	0	+	+	0
29	+	0	0	0		0.6	0	0	0	+	0	0
30	0	0.7	0	0		0.6	0	0	0	0	0	0
31	0		0	0		0.1				0	0	
	+	25.8	203	25.7	3498.4	1195.9	1.4	3.6	+	+	+	+
MEAN	+	0.86	0.65	0.83	1.25	38.6	0.05	0.12	+	+	+	+
ACRE-FEET	+	51.	40.	51.	6940.	2370.	2.8	7.1	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 13.1
ACRE-FEET 9460.

76D74M Gfb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

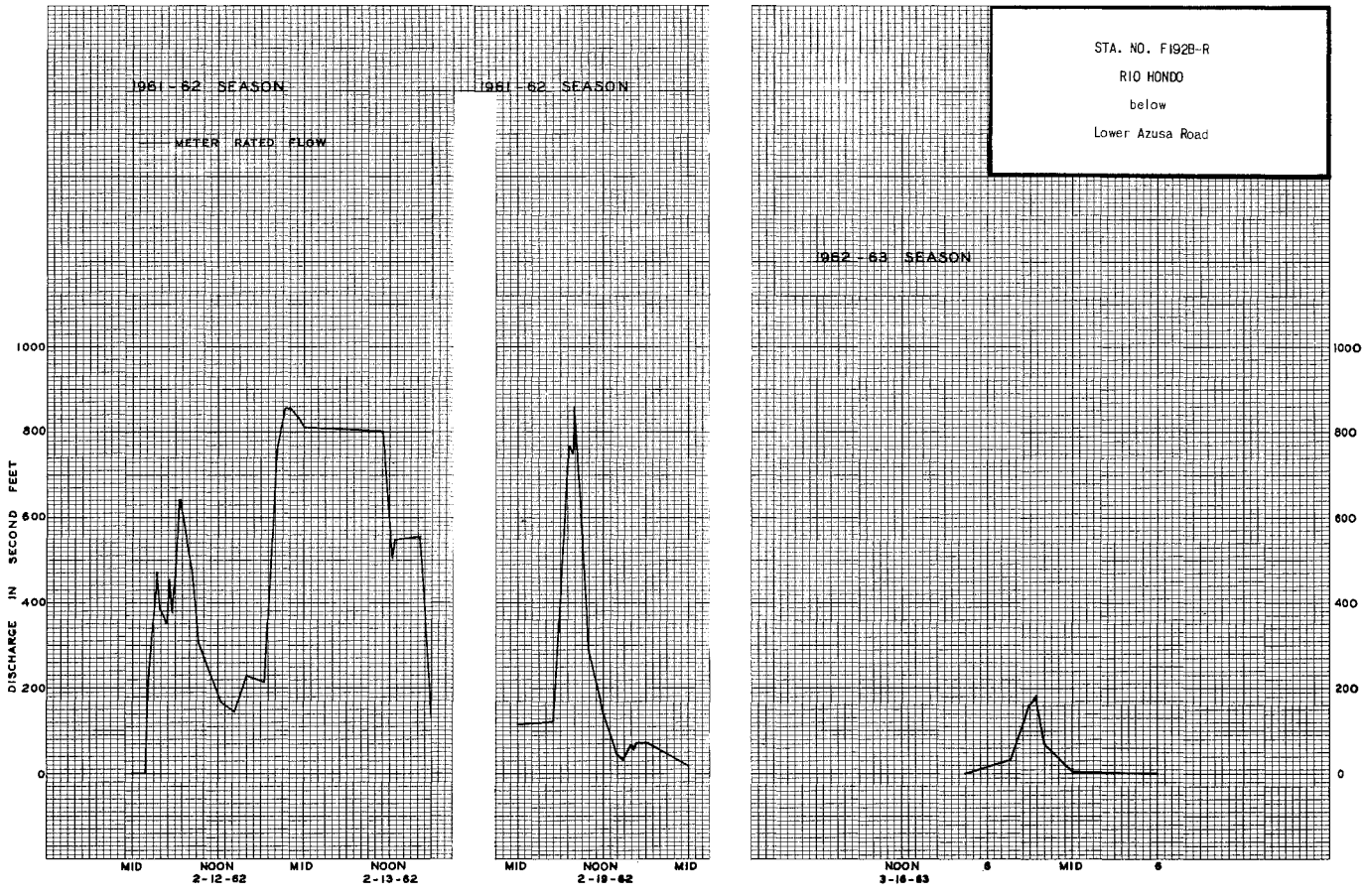
Sta. No. F192B-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0.6	1.9	+	0.9	+	+	0	+
2	0	0	0	0	+	1.9	0	0.8			+	+
3	0	0	0	0	0	0	0	0.7				+
4	0	0	0	0	0	2.0	0	0				2.2
5	0	0	0	0	0	1.5	0	0				+
6	0	0	0	0	+	0	+	0				
7	0	0	0	0	0	0	0	0.1				
8	0	0	0	0	0	0	0.2	0.7				
9	0	0	0	+	2.8	+	0	0				
10	0	0	0	+	7.6	0	0	+	+			
11	0	0	0	0	+	0	+		2.1			
12	0	0	0	0	+	+	+		+			
13	0	0	0	0	+	+	0.1		0.9			
14	0.2	0	0	0	2.9	0	3.7	+	0			
15	+	0	0	0	0.1	0.5	0.5	0	+			
16	0	0	0	0	0.3	16.9	+	0	+			+
17	0	0	+	0	+	1.3	0.5	0	+			3.7
18	+	0	0	0	0.3	+	+	+	0			7.4
19	0	0	0	0	+	0	+		0			2.2
20	0	0	0	0		0	1.3		0			+
21	0	0	0	0		0	0.6		+		+	0
22	0	0	0	0		0	+		0		0	0
23	0	0	0	0		0.3	0		0		0	0
24	0	+	0	0	+	0	0		0		+	0
25	0	+	0	0	0	0	+		+		+	+
26	0	0	0	0	0	0	6.5					
27	0	0	0	0	0.7	0	+					
28	0	0	0	0	1.7	3.6	+					
29	0	0	0	+		0	+			+		
30	0	0	0	+		0	0.5		+	0	+	+
31	0		0	3.0		0		+		0	+	
	0.2	+	+	3.0	42.4	29.9	13.9	3.2	3.0	+	+	15.5
MEAN	0.01	+	+	0.10	1.51	0.96	0.46	0.10	0.10	+	+	0.52
ACRE-FEET	0.4	+	+	6.0	84.	59.	28.	6.3	6.0	+	+	31.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.30
ACRE-FEET 221.



STATION E326-R
RIO HONDO below Garvey Avenue

LOCATION: LAT. 34°03'30", LONG. 118°04'15", ON RIGHT (WEST) BANK 0.3 MILE BELOW GARVEY AVENUE, 0.4 MILE BELOW RUBIO WASH AND 2.2 MILES WEST OF EL MONTE. ELEVATION OF GAGE ABOUT 220 FEET.

RECORDS AVAILABLE: FEBRUARY 1956 TO SEPTEMBER 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 6650 SECOND-FEET FEBRUARY 11, (GAGE HEIGHT, 4.40 FEET).
MINIMUM 0.1 SECOND-FEET MAY 13, 20.

1962-63
MAXIMUM 4400 SECOND-FEET FEBRUARY 9, (GAGE HEIGHT 3.65 FEET).
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1956-63
MAXIMUM 8150 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW AT VARIOUS TIMES.

REMARKS: RECORDS GOOD. PARTIALLY REGULATED BY BIG SANTA ANITA, SAWPIT, AND EATON DAMS, AND SEVERAL DEBRIS BASINS, MANY DIVERSIONS FOR DOMESTIC AND IRRIGATION USE. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

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

TSD74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.2	50	0.3	0.6	134	0.6	1.0	0.5	0.4	1.6	2.6
2	1.0	0.6	845	0.6	0.7	227	0.7	1.0	0.3	0.8	2.0	1.2
3	2.1	0.5	35	0.7	1.2	69	0.7	1.2	0.5	0.9	2.0	1.5
4	1.6	0.7	3.3	0.6	1.8	130	0.4	1.2	0.7	0.3	2.0	2.4
5	1.8	0.6	2.6	0.6	1.9	142	1.2	0.4	0.8	1.3	2.5	2.1
6	1.9	0.7	0.3	0.7	4.4	75	0.5	0.2	2.6	1.2	2.5	2.1
7	4.4	1.2	0.3	0.6	87	118	1.6	0.8	3.6	0.7	2.5	2.0
8	4.4	0.8	0.3	0.8	1200	164	0.8	0.8	3.2	0.4	2.6	2.0
9	1.9	1.0	1.2	0.9	621	201	1.0	0.8	0.6	0.9	1.9	2.0
10	0.8	0.8	0.3	0.7	645	34	0.9	0.8	0.3	1.3	1.6	2.0
11	1.0	0.7	0.5	0.7	2470	1.6	1.8	0.6	1.6	1.8	0.8	2.0
12	1.9	0.6	0.4	20	1050	1.9	3.4	0.2	3.2	1.6	0.8	2.0
13	1.9	0.6	0.3	5.6	1590	1.8	3.8	0.1	3.2	1.8	1.4	2.0
14	2.4	0.5	21	0.2	750	1.6	4.0	71	3.0	0.8	1.8	2.0
15	1.9	0.5	0.7	0.3	1200	2.0	3.4	1.6	4.0	0.6	1.9	2.0
16	2.4	0.5	0.6	0.4	254	2.5	3.0	103	4.0	0.6	1.6	2.0
17	2.8	0.5	0.3	0.5	433	2.2	1.4	0.6	4.0	1.2	3.4	2.0
18	2.8	0.3	0.6	0.6	186	83	1.4	0.9	4.0	1.0	2.4	2.3
19	3.6	0.2	0.5	0.7	1130	9.6	0.9	0.2	3.6	1.6	1.8	1.6
20	5.6	493	0.5	889	705	9.7	0.9	0.1	0.8	2.1	2.8	1.6
21	1.3	1.9	0.6	28	476	2.8	0.9	0.5	0.9	1.3	3.0	1.6
22	0.4	0.3	0.6	400	92	20	0.6	0.9	0.7	0.7	2.6	1.2
23	1.3	0.2	0.5	72	92	2.7	1.2	0.9	0.3	1.3	1.4	0.7
24	1.6	0.2	0.3	0.7	164	0.6	1.8	1.3	0.2	1.4	1.6	1.6
25	2.4	113	0.3	0.6	87	0.6	1.6	0.9	0.8	1.3	2.6	2.4
26	1.9	10	0.4	0.4	67	1.4	1.0	0.4	1.2	1.6	1.6	2.6
27	1.0	0.7	0.3	0.4	77	0.9	0.9	0.4	0.8	1.4	1.8	2.4
28	0.4	0.3	0.4	0.4	72	1.3	0.4	0.9	1.0	1.2	1.8	2.1
29	0.2	0.8	0.3	0.6		1.9	0.7	0.8	1.0	0.6	2.1	1.6
30	0.6	29	0.2	1.0		1.3	0.8	0.4	0.6	1.0	2.1	1.8
31	0.2		0.3	0.5		0.5		0.6		1.6	2.6	
	579	660.9	9679	1364.3	13458.6	1443.9	423	194.5	520	347	631	57.4
MEAN	1.87	22.0	31.2	44.0	484.	46.6	1.41	6.27	1.73	1.12	2.04	1.91
ACRE-FEET	115.	1310.	1920.	2710.	26690.	2860.	84.	386.	103.	69.	125.	114.

Remarks:

YEAR OR PERIOD MEAN 50.4
ACRE-FEET 36,490.

9M574M Gib 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E326-R

Daily discharge, in second-feet of RIO HONDO below Garvey Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	1.8	.8	.4	9.2	4.0	1.3	2.3	.6	1.0	2.1	1.0
2	1.9	1.0	.7	.5	.9	3.2	.8	1.0	.5	1.4	1.8	1.3
3	2.4	.9	.7	.5	.5	.2	.8	.7	1.9	1.3	1.8	3.0
4	6.0	1.0	.8	.6	1.0	3.5	1.0	.6	.6	.5	1.2	56
5	1.6	1.0	.9	.6	1.3	3.3	1.0	.2	.7	1.2	1.3	3.0
6	1.2	1.0	1.2	.3	.9	.6	.5	.1	.9	.5	2.1	2.6
7	.9	1.6	1.2	.4	.9	.4	.4	.2	.7	.5	2.3	2.1
8	1.3	2.1	.7	1.2	.8	.4	3.4	.2	.5	1.6	3.0	2.1
9	1.4	1.8	.6	.9	1080	1.8	.5	.2	.5	2.1	1.9	2.4
10	1.8	1.3	.7	1.8	314	.3	1.5	.2	5.7	2.1	1.9	2.1
11	1.6	1.2	.6	.5	3.4	.7	.9	.2	17.0	2.4	2.1	2.1
12	1.6	1.0	1.0	.4	1.6	1.3	1.8	.2	2.0	4.6	2.3	3.1
13	1.0	1.6	1.2	.1	5.2	.7	2.5	.2	1.8	4.6	3.0	2.4
14	6.8	1.6	.7	.1	179	.5	204	.8	.8	4.6	2.8	2.6
15	.7	.8	.6	.6	2.4	20	130	.8	.4	6.6	2.4	2.4
16	.7	.8	.7	.4	1.3	476	.9	.9	.5	7.1	2.4	2.6
17	.7	.7	1.2	.2	.4	160	7.8	1.2	.9	6.6	2.1	92
18	2.9	.7	.7	.3	.6	1.9	.6	.7	1.4	6.3	2.1	116
19	1.0	.7	.9	.2	.6	.3	.7	.6	1.2	6.1	2.3	37
20	1.0	1.4	1.3	.1	.6	.5	95	.7	1.0	4.9	2.3	1.9
21	1.0	.9	1.0	.8	.5	.5	36	1.0	.9	1.6	2.4	1.8
22	1.0	.8	.5	.3	.6	.4	.2	1.2	.6	3.8	2.8	.7
23	1.0	.8	.5	.5	.2	8.6	.3	1.6	.4	3.0	3.0	1.3
24	1.0	.8	.6	.7	.2	.2	.6	1.2	1.0	1.9	3.0	1.6
25	.5	.8	.4	.6	.6	.6	.8	.5	1.2	2.3	3.0	1.6
26	.5	.9	.2	.4	.6	1.1	252	.3	1.2	1.6	3.0	1.4
27	.5	.7	.6	.4	1.0	.5	.9	.6	.9	1.2	4.0	1.4
28	.5	.8	1.2	.3	3.2	108	.3	.7	1.0	.6	3.4	1.4
29	.5	.7	.3	.4		.9	1.4	.8	.5	.8	2.4	1.2
30	.5	.9	.3	.6		.3	1.8	.9	.3	1.0	2.6	1.0
31	1.4		.5	110		.4		.6		1.4	1.3	
	46.5	32.1	23.3	125.1	1611.5	657.1	632.7	21.4	47.6	85.2	74.1	351.1
MEAN	1.50	1.07	0.75	4.04	57.6	21.2	21.1	0.69	1.59	2.75	2.39	11.7
ACRE-FEET	92.	64.	46.	248.	3200.	1300.	1250.	42.	94.	169.	147.	696.

Remarks:

YEAR OR PERIOD MEAN 10.2
ACRE-FEET 7350.

STATION F64-R
RIO HONDO above Mission Bridge

LOCATION: LAT. 34°01'55", LONG. 118°04'18", ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION BRIDGE (SAN GABRIEL BOULEVARD) AND TWO MILES NORTHEAST OF MONTEBELLO. ELEVATION OF ZERO HEIGHT, 194.63 PRIOR TO OCTOBER 15, 1956, 192.83 UNTIL SEPTEMBER 15, 1962, THEN 190.77. (STATION WAS MOVED 67 FEET DOWN STREAM SEPTEMBER 15, 1962.)

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 7 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, SEVERAL DEBRIS BASINS AND SPREADING AREAS, AND RELEASE FROM METROPOLITAN WATER DISTRICT'S MIDDLE FEEDER TO ALHAMBRA WASH.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM SAWPIT CREEK AND MONROVIA CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: JULY 1928 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO JULY 1928 SEE STATE DIVISION OF WATER RIGHTS BULLETINS.) (RECORDS FROM MARCH 6, 1938 TO MARCH 15, 1938 ARE FROM STATION F64B-R.)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 6070 SECOND-FEET JANUARY 20.
MINIMUM 3.4 SECOND-FEET OCTOBER 22.
1962-63
MAXIMUM 4900 SECOND-FEET MARCH 16.
MINIMUM 1.0 SECOND-FOOT ESTIMATED AT VARIOUS TIMES.
1928-63
MAXIMUM 28,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM 0.4 SECOND-FOOT JULY 30, 1961.

ACCURACY: FAIR.

REMARKS: WATER PURCHASED FROM METROPOLITAN WATER DISTRICT PASSES THIS LOCATION FOR SPREADING IN THE COASTAL BASIN. DURING 1961-62 THESE IMPORTATIONS TOTALED 73,690 ACRE FEET AND IN 1962-63, 20,340 ACRE FEET.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	141	204	v147	v147	131	128	75	143	119	231	b 6.4
2	83	141	793	147	147	211	126	47	141	119	215	6.2
3	72	141	157	147	147	99	128	92	141	123	208	6.0
4	65	142	191	147	147	153	128	145	128	121	217	5.5
5	57	142	v147	147	147	158	132	143	107	51	224	4.7
6	52	141	147	147	v142	245	132	141	115	f 3.8	186	4.0
7	53	141	147	147	208	158	128	139	138	4.4	149	4.2
8	55	141	147	147	1050	191	128	145	153	4.4	149	4.4
9	55	142	147	147	529	229	127	219	151	4.4	147	4.6
10	56	142	147	v147	491	165	120	143	151	5.4	v176	4.6
11	58	142	147	147	1800	231	119	145	153	7.2	248	5.0
12	60	142	147	165	659	95	124	149	157	5.9	248	5.1
13	63	139	147	159	737	8.5	124	153	155	5.4	168	5.2
14	35	139	v161	v147	443	35	128	195	v155	5.0	v 4.1	4.9
15	9.0	139	67	147	928	64	128	159	155	4.4	f 4.4	4.3
16	107	141	v147	147	217	59	128	234	155	106	f 4.7	3.6
17	125	142	147	147	241	12	124	157	v155	233	f 5.4	23
18	9.0	144	147	147	223	90	101	153	b137	241	5.9	56
19	60	131	147	v157	928	159	87	157	b 70	248	4.4	55
20	221	634	147	992	f405	185	87	157	f 93	253	6.8	54
21	154	84	147	63	343	f 75	93	161	83	255	9.4	b 55
22	3.4	143	147	311	151	166	85	115	47	255	89	55
23	38	141	147	102	141	8.1	61	63	48	253	229	55
24	82	162	147	v147	187	62	45	63	46	250	217	27
25	124	299	147	147	145	124	52	57	95	250	220	5.0
26	139	89	147	147	123	126	65	50	132	248	226	4.7
27	141	156	147	147	153	130	68	60	128	248	236	30
28	141	141	147	147	107	134	68	107	123	248	233	54
29	141	136	147	147		134	85	147	123	248	229	54
30	141	112	147	147		130	89	145	123	243	104	55
31	146		v147	v147		126		145		241	6.5	

2628.4 4770.0 5248.0 5477.0 11086.0 3893.6 3138.0 4061.0 3701.0 4403.3 4403.3 661.6

MEAN	84.8	159.	169	177.	396.	126.	105.	131.	123.	142.	142.	22.0
ACRE-FEET	5210.	9460.	10410	10860.	21990.	7720.	6220.	8050.	7340.	8730.	8730.	1310.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 146.
ACRE-FEET 106,030.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F64-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	5.4	193	13	41	157	170	5.2	3.6	3.6	3.1	e 1.0
2	70	5.0	175	13	9.0	141	168	3.6	2.1	7.0	3.1	e 1.0
3	97	9.4	107	12	12	153	170	3.6	4.7	5.2	2.6	3.6
4	146	14	34	22	12	166	170	2.1	2.6	3.1	1.0	108
5	161	20	31	3.2	4.1	105	170	1.6	2.1	2.6	1.0	8.8
6	151	3.5	32	2.6	3.8	22	168	2.1	3.6	3.1	1.6	5.2
7	143	3.5	33	2.6	3.8	18	168	3.6	2.6	2.6	2.6	4.7
8	126	4.4	53	3.2	4.1	27	175	5.8	2.1	3.6	3.6	4.7
9	88	3.6	16	3.6	1.170	b 6.0	166	4.7	1.6	8.2	3.6	3.1
10	78	3.6	17	17	352	b 5.2	161	5.8	11	6.4	4.2	2.6
11	93	3.5	16	31	97	4.2	159	4.2	36	7.0	3.1	2.1
12	75	3.5	39	15	156	4.7	100	2.6	b 3.0	7.6	3.6	7.6
13	57	3.5	34	12	71	42	15	2.6	9.7	7.6	4.2	3.1
14	22	4.4	31	14	332	3.6	196	3.6	1.6	5.8	3.6	2.1
15	7.6	3.5	29	12	65	48	123	5.8	1.6	7.0	4.7	2.1
16	55	3.2	31	22	61	547	200	5.2	1.0	8.2	3.6	1.6
17	98	3.5	25	3.5	60	66	210	5.2	2.1	8.2	3.1	177
18	117	3.5	33	3.5	60	43	117	4.2	3.6	8.2	2.6	122
19	112	3.2	39	3.5	59	48	4.2	2.1	3.6	8.2	3.1	110
20	84	42	39	3.2	84	49	67	3.1	3.6	7.0	4.7	4.2
21	78	4.1	27	3.5	137	60	68	4.2	3.6	4.2	3.6	3.6
22	75	10	b 3.4	3.8	126	67	4.2	4.2	2.6	5.8	4.2	1.0
23	86	18	3.4	3.8	117	104	3.6	4.2	1.0	8.2	3.6	1.0
24	86	38	3.3	3.5	124	67	4.2	4.7	2.1	4.7	3.1	2.6
25	86	3.5	b 3.3	3.2	128	64	5.7	4.2	4.2	4.7	1.6	2.6
26	87	3.5	3.2	4.1	124	65	279	4.2	3.1	4.2	2.1	14
27	80	3.5	3.2	3.5	139	95	4.7	b 4.0	3.1	4.2	3.1	7.0
28	72	3.5	4.4	3.2	164	242	3.1	b 3.8	3.6	2.6	3.6	5.8
29	75	3.5	3.2	15		14	3.6	3.6	3.1	3.6	2.6	4.2
30	76	94	2.9	11		76	4.7	5.8	1.6	4.2	3.1	3.1
31	59		34	143		153		3.6		3.6	3.1	

2695.6 328.2 1098.3 409.5 3715.8 2624.9 3258.0 123.2 129.8 170.2 96.4 619.4

MEAN	87.0	10.9	35.4	13.2	133.	84.7	109.	3.97	4.33	5.49	3.11	20.6
ACRE-FEET	5350.	651.	2180.	812.	7370.	5210.	6460.	244.	257.	338.	191.	1230.

Remarks:

YEAR OR PERIOD MEAN 41.8
ACRE-FEET 30,290.

STA. NO. F64-R
RIO HONDO
above
Mission Bridge

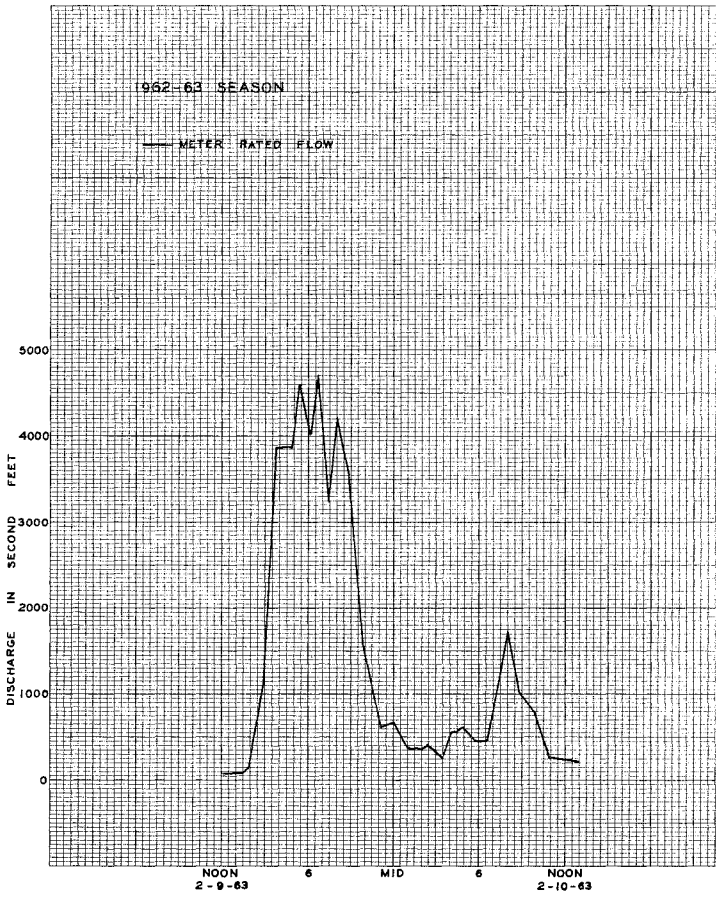
1961-62 SEASON

METER RATED FLOW

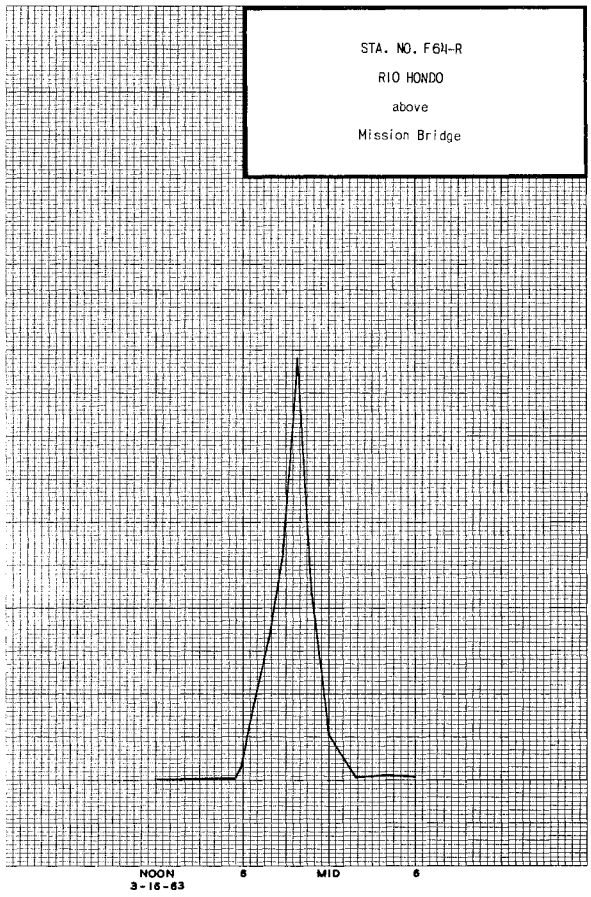
DISCHARGE IN SECOND FEET

7000
6000
5000
4000
3000
2000
1000
0

MID NOON MID MID NOON MID MID NOON MID MID NOON MID MID NOON MID MID NOON MID
1-20-62 2-8-62 2-9-62 2-10-62 2-11-62 2-12-62



STA. NO. F64-R
RIO HONDO
above
Mission Bridge



STATION F313-R
RIO HONDO BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: LAT. 34°01'49", LONG. 118°02'53", ON THE LEFT (SOUTH) BANK OF THE CHANNEL, 400 FEET BELOW DIVERSION HEADWORKS, ABOUT 2.8 MILES NORTHEAST OF PICO.

CHANNEL AND CONTROL: CHANNEL - SOIL, SAND AND CLAY. ARTIFICIAL CONTROLS BELOW STATION.

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

RECORDER: A WEEKLY RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS INSTALLED TO DIVERT A PORTION OF ZONE 1 WATER FROM SAN GABRIEL RIVER TO RIO HONDO.

ACCURACY: GOOD.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO RIO HONDO SPREADING GROUNDS.

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

7SDT4M C2b 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F313-R

Daily discharge, in second-feet of RIO HONDO BYPASS CHANNEL above Whittier Narrows Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	16	96	99	0	76	149	58	75	0	41
2	0	0	4.9	95	110	0	75	148	42	77	0	32
3	0	0	0	94	103	0	72	117	a 46	76	0	49
4	0	0	23	45	97	0	65	58	f 35	73	0	56
5	0	0	120	1.0	93	0	62	53	22	57	0	73
6	0	0	62	+	86	0	58	30	32	21	0	91
7	0	0	0.1	+	70	0	57	1.5	49	20	0	86
8	0	0	0	+	4.7	0	57	1.1	59	30	0	101
9	0	0	0.1	0	0	0	40	0.2	64	26	0	107
10	0	0	0.1	42	0	0	21	29	a 70	33	0	92
11	0	0	0.1	64	0	0	16	31	a 88	30	0	89
12	0	0	12	74	0	29	3.2	47	f113	21	0	90
13	0	0	52	94	0	137	10.0	49	91	20	0	105
14	0	0	44	83	0	131	42	65	42	22	0	124
15	0	0	15	84	0	122	58	77	46	26	0	124
16	0	0	71	86	0	145	55	97	68	25	0	128
17	0	0	77	85	0	12	47	100	73	112	0	125
18	0	0	85	84	0	0	17	98	74	153	0	124
19	0	0	87	76	0	8.2	44	96	64	151	0	125
20	0	0	89	0.5	0	67	59	95	35	148	0	126
21	0	4.2	90	0	0	12	60	96	11	153	0	127
22	0	74	91	0	0	52	62	92	28	149	0	128
23	0	118	92	0.3	0	1.5	62	82	32	148	0	128
24	0	102	93	4.4	0	0.3	65	58	33	142	0	105
25	0	0.4	95	2.8	0	60	66	52	49	144	0	85
26	0	21	95	2.4	0	67	73	52	82	121	0	119
27	0	78	95	2.1	0	63	69	56	78	1.0	0	131
28	0	82	92	2.1	0	69	58	57	68	0.2	0	148
29	0	75	92	1.9		77	56	62	74		0	152
30	0	2.1	92	1.7		78	97	59	77		14	151
31	0		94	65		76		65		0	45	
	0	556.7	1779.3	1186.2	662.7	1207.0	1602.2	2072.8	1703.0	2054.2	59.0	3162.0
MEAN	0	18.6	57.4	38.3	23.7	38.9	53.4	66.9	56.8	66.3	1.9	105.
ACRE-FEET	0	1100.	3530.	2350.	1310	2390.	3180.	4110.	3380.	4070.	117.	6270.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 44.0
ACRE-FEET 31810.

75DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F313-R

Daily discharge, in second-feet of RIO HONDO BY-PASS above Whittier Narrows Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	137	+	+	0	1.5	0	0	0	0	0	0	0
2	96	0	0	0	0	0	0	0	0	0	0	0
3	62	0	0.4	0	0	0	0	0	0	0	0	0
4	34	0	1.9	9.3	4.8	0	0	0	0	0	0	0
5	40	5.9	+	46	39	0	0	0	0	0	0	0
6	62	41	0	48	35	0	0	0	0	0	0	0
7	61	42	+	46	35	0	0	0	0	0	0	0
8	70	42	+	48	40	0	0	0	0	0	0	0
9	86	42	0	52	25	20	0	0	0	0	0	0
10	87	42	0	58	0	36	0	0	0	0	0	0
11	83	42	0	26	0	33	0	0	0	0	0	0
12	59	42	+	+	0	34	0	0	0	0	0	0
13	2.4	37	0.1	0	0	38	0	0	0	0	0	0
14	+	34	+	0	0	36	0	0	0	0	0	0
15	+	40	+	0	0	25	0	0	0	0	0	0
16	5.3	29	0	7.9	0	2.0	0	0	0	0	0	0
17	77	32	0	41	0	0	0	0	0	0	0	0
18	72	32	0	43	0	0	0	0	0	0	0	0
19	67	31	0	44	0	0	0	0	0	0	0	0
20	68	13	0	44	0	0	0	0	0	0	0	0
21	69	0	15	48	0	0	0	0	0	0	0	0
22	68	0	35	44	0	0	0	0	0	0	0	0
23	68	0	38	46	0	0	0	0	0	0	0	0
24	69	3.1	40	48	0	0	0	0	0	0	0	0
25	71	28	40	74	0	0	0	0	0	0	0	0
26	76	34	36	108	0	0	0	0	0	0	0	0
27	76	39	28	108	0	0	0	0	0	0	0	0
28	85	39	27	108	0	0	0	0	0	0	0	0
29	75	39	27	58		0	0	0	0	0	0	0
30	70	23	30	0		0	0	0	0	0	0	0
31	42		25	6.1		0		0		0	0	
	1937.7	752.0	343.4	1161.3	180.3	224.0	0	0	0	0	0	0
MEAN	62.5	25.1	11.1	37.5	6.44	7.23	0	0	0	0	0	0
ACRE-FEET	3840.	1490.	681.	2300.	358.	444.	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 12.5
ACRE-FEET 9110.

STATION F45B-R

RIO HONDO above Stewart and Gray Road

LOCATION: LAT. 33°56'46", LONG. 118°09'44", ON THE LEFT (EAST) BANK OF CHANNEL, 0.6 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 91.4 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 100 FEET WIDE WITH 2.25:1 RIP-RAPPED SLOPES. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW IS SUBJECT TO SAME REGULATIONS AS STATION F64-R PLUS WHITTIER NARROWS DAM AND RIO HONDO SPREADING GROUNDS.

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 AND FROM SAN GABRIEL RIVER ABOVE WHITTIER NARROWS DAM.

RECORDS AVAILABLE: MARCH 1928 TO APRIL 18, 1951, AND FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO MARCH, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7100 SECOND-FEET FEBRUARY 19.
MINIMUM NO FLOW AT VARIOUS TIMES
1962-63
MAXIMUM 4240 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-63
MAXIMUM 24,400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F45B-R

Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.7	0	+	+	0.2	+	+	0.5	0	0.4
2	0	0	223	0		0.2	0.2	e 0.1		0.4	0	0.4
3	0	0	14.1	0		0.5	0.2	0.3		0.4	+	0.3
4	0	0	0.1	0		0.4	0.2	+		0.4		0.4
5	0	0	0	0	+	0.5	0.1	e 0.1		0.4		+
6	0	0	+	0	0	86	+	e 0.2		0.4		
7	0	0	0	0	30	0.6	0.1	0		0.4		
8	0	0	0	0	1080	0.3	0.1	+		0.4		
9	0	0	0	0	684	0.9	0.2			0.3		
10	0	0	0	0	460	0.1	0.1			0.4		
11	0	0	0	0	2080	+	0.1			0.4		
12	0	0	0	35	1200		0.2			0.5		
13	0	0	0	131	694		0.1			0.4		
14	0.2	0	10.6	0	70		0.1			0.4		
15	0.9	0	0.1	0	702	+	0.1	+		0.2		
16	0.5	0	0	0	664	0.1	0.1	0		0.1		+
17	0.4	0	0	0	14.3	0.1	0.1	e 0.2		0.1		e 0.2
18	0	0	0	0	28	17.2	0.1	+		0.2		+
19	0	0	0	0	1830	0.6	0.2	e 0.4		+		+
20	0	389	0	231	404	0.5	0.1	+	+			+
21	0	a 3.7	0	19.2	304	0.9	0.1		0.1			0.4
22	0	0.3	0	89	3.4	3.1	0.1		0.1			0.4
23	0	0	0	11.9	3.4	0.5	0.1		0.2			+
24	0	a 0	0	0.1	6.3	0.2	0.2		0.2			
25	0	59	0	0	2.4	0.2	0.2		0.2			
26	0	8.2	0	+	1.6	0.3	0.3		0.4		+	
27	0	0.1	0	0	0.4	0.4	0.4		0.5		0.2	
28	0	0.1	0	+	0.2	0.4	0.2		0.5		0.3	+
29	0	+	0	+		0.3	0.2		0.5		0.3	0
30	0	10.2	0	0		0.4	0.1		0.5		0.4	+
31	0		0	0		0.2		+		+	0.5	+
	2.0	470.6	248.8	367.5	10262.0	114.9	4.5	1.3	3.2	6.3	1.7	2.5
MEAN	0.06	15.7	8.03	11.9	366.	3.71	0.15	0.04	0.11	0.20	0.05	0.08
ACRE-FEET	4.0	933.	493.	729.	20350.	228.	8.9	2.6	6.3	12.	3.4	5.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 31.4
ACRE-FEET 22,780.

76D74M C6b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

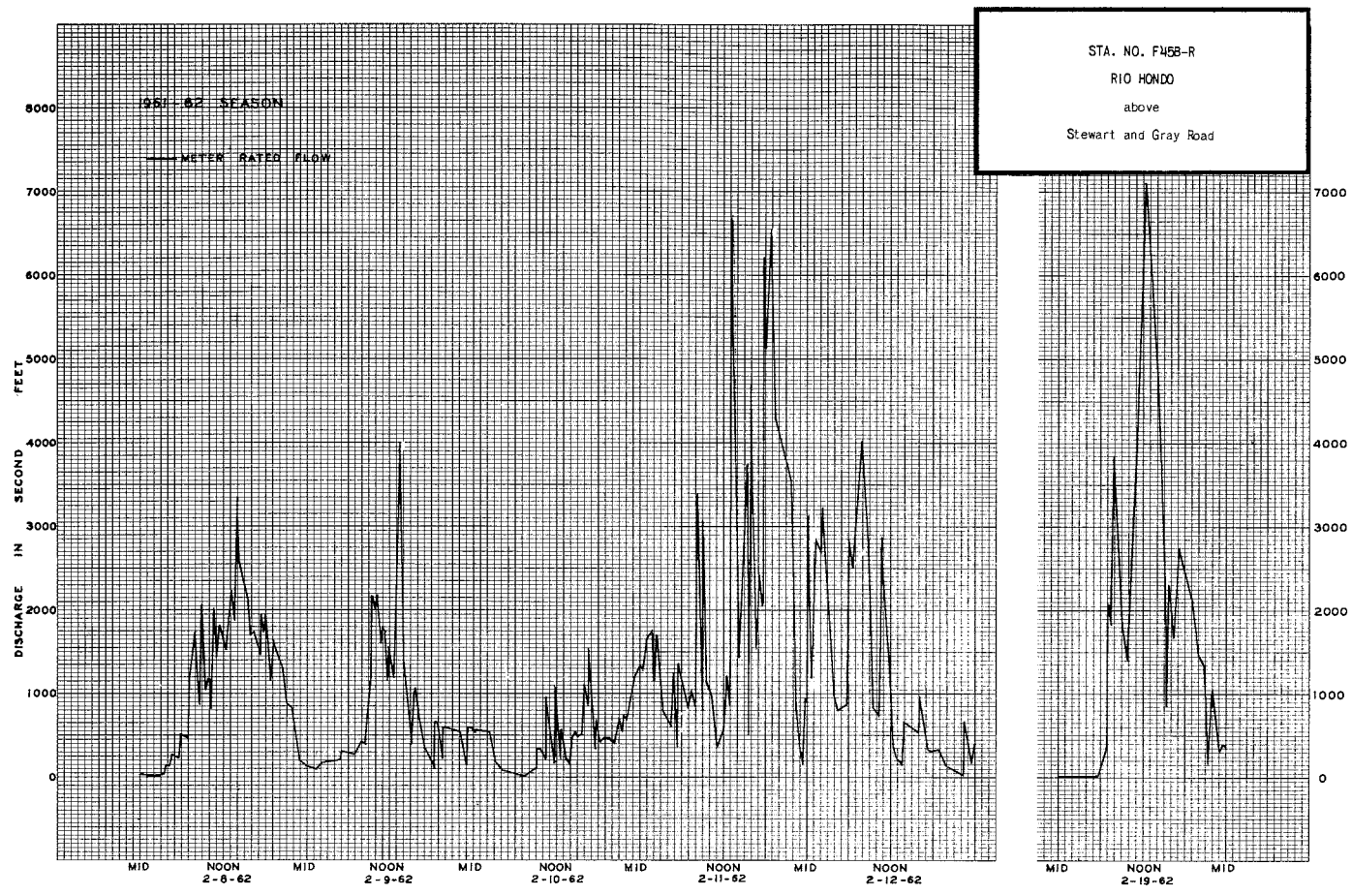
Sta. No. F45B-R

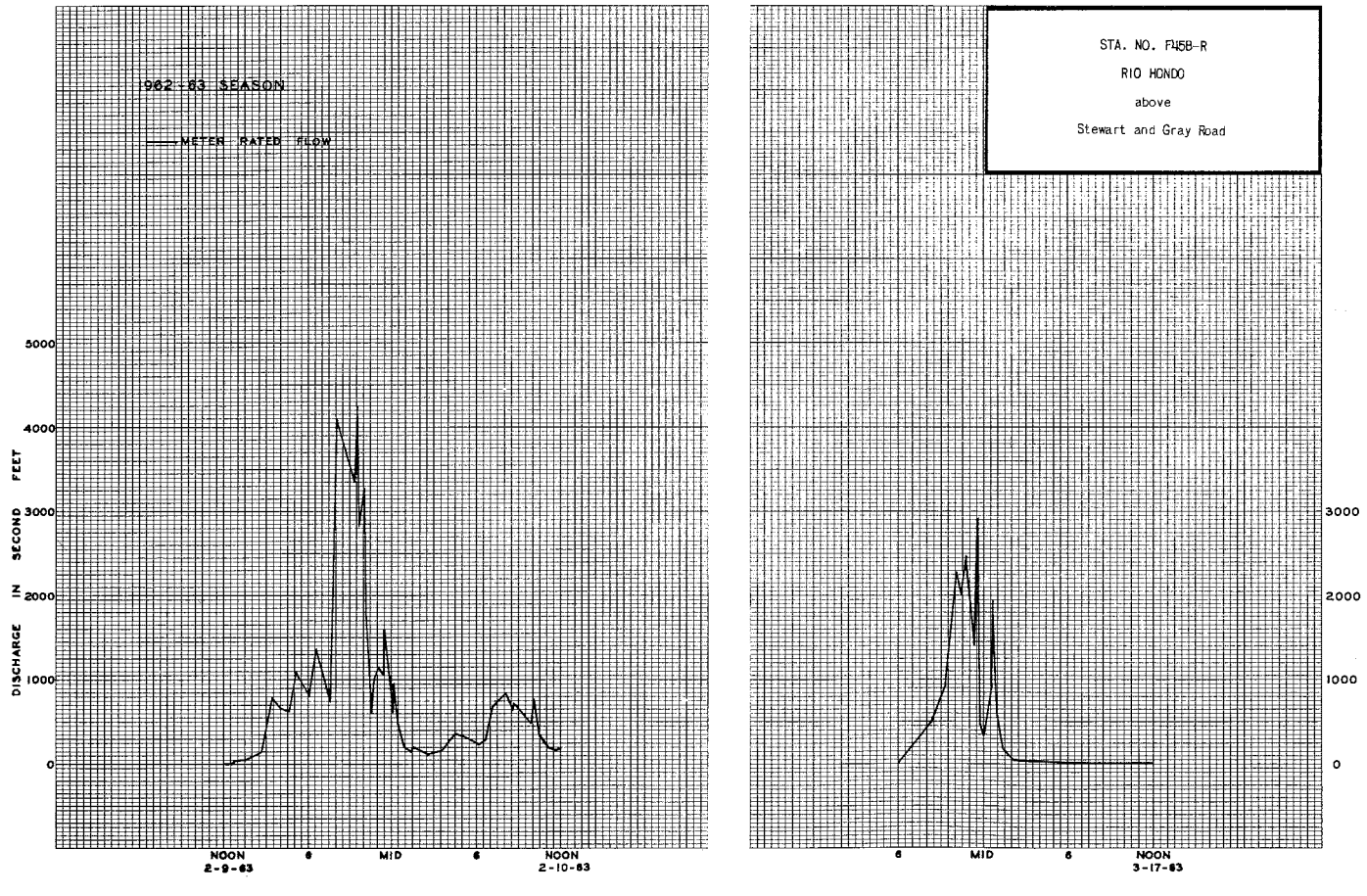
Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0	0	10.7	+	0.1	0.3	0.3	+	+	+
2		+	0	0	0.4	+	+	0.3	0.5			+
3		+	1.2	+	0.1	+	0	0.2	0.5			+
4	+	0	0.4	+	+	0	+	0.2	0.5			20
5	0	0	0.3	0		0		0.2	0.5			0.3
6	b 2.4	0	0.4	0		0		0.2	0.4			+
7	+	+	0.5	0		+	+	+	0.4			
8	+		+	0	+	+	0.6	0	0.5			
9	0	+	+	0	620	e 0.1	0.1	0	0.5	+		
10	+	0	0	0	210	e 0.1	+	+	0.5	0.2		
11		+	+	0	12.1	+		+	13.2	+	+	
12		0		0	2.0	+		0	0.6		e 0.1	
13	+	0		0	3.0	e 0.1	+	+	a 0.1		e 0.2	
14	b 0.1	0	+	0	38	e 0.3	33		+		e 0.3	
15	b 0.4	0	0	0	+	6.6	3.4				+	+
16	+	0	0	0	a 0.1	259	+					0.1
17	+	0	+	0	+	48	0.4					84
18	b 0.5	0	+	0	+	0.2	+					1.6
19	b 0.2	0	0	0	0	+	+					20
20	+	0	+	0	0	0	9.4					0.4
21		0	0	0	0	0	14.3					+
22		0	0	0	+	+	0					
23	+	0	0	0		30	0					
24	0	+	0	0		e 0.2	0	+				
25	+	+	0	0	+	+	0.1	0				
26		+	0	0	0	+	93	+				
27		0	0	0	+	+	0.2					
28		+	0	0	+	71	0.1					
29		0	0	0		0.3	0.1	+				
30	+	0	0	0		0.2	0.2	0.2	+			+
31	b 0.2		0	32		0.2		0.3		+	+	
	3.8	+	2.8	32.0	896.4	418.3	155.0	1.9	18.5	0.2	0.6	126.4
MEAN	0.12	+	0.09	1.03	32.0	13.5	5.17	0.06	0.62	0.01	0.02	4.21
ACRE-FEET	7.5	+	5.6	63.	1780.	830.	307.	3.8	37.	0.4	1.2	251.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.54
ACRE-FEET 3280.


STA. NO. F45B-R
RIO HONDO
above
Stewart and Gray Road
1961-62 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
8000
7000
6000
5000
4000
3000
2000
1000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-19-62
MID


STA. NO. F45B-R
RIO HONDO
above
Stewart and Gray Road
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
5000
4000
3000
2000
1000
0
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6
NOON
3-17-63

STATION U6-R
ROGERS CREEK above Mouth of Canyon

LOCATION: LAT. 34°09'55", LONG. 117°54'20", IN NW 1/4, NW 1/4 SEC. 23, T.1N, R10W, 0.5 MILE UPSTREAM FROM MOUTH AND 2.2 MILES NORTH OF AZUSA. ALTITUDE OF GAGE ABOUT 800 FEET. SUPPLEMENTARY RECORDER 300 FEET DOWNSTREAM BEGINNING JUNE 26, 1959.

DRAINAGE AREA: 6.4 SQUARE MILES.

RECORDS AVAILABLE: MAY 1916 TO JUNE 1917. (DISCHARGE MEASUREMENTS ONLY). OCTOBER 1917 TO SEPTEMBER 1962. (DISCONTINUED)

AVERAGE DISCHARGE: 45 YEARS, 2.85 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM DISCHARGE 700 SECOND-FEET FEBRUARY 11. (GAGE HEIGHT 7.1 FEET).
MINIMUM NO FLOW DURING SOME MONTHS.
1917-62
MAXIMUM DISCHARGE (REVISED) ABOUT 2400 SECOND-FEET JANUARY 6, 1959.
MINIMUM NO FLOW DURING PART OF EACH YEAR.

REMARKS: RECORDS POOR PRIOR TO MARCH 26, GOOD THEREAFTER. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION.

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

74D74M C/b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.6	13	4.0	2.2	1.3	0.5	0.2	0
2	0	0	26	0	0.5	12	3.6	2.2	1.3	0.4	0.2	0
3	0	0	10	0	0.5	12	3.6	2.0	1.3	0.4	0.1	0
4	0	0	1.3	0	0.5	11	3.6	1.7	1.3	0.4	0.1	0
5	0	0	1.1	0	0.5	10	3.6	1.7	1.3	0.4	0.1	0
6	0	0	1.0	0	0.5	11	3.6	1.7	1.3	0.4	0.1	0
7	0	0	0.9	0	0.5	10	3.6	1.7	1.3	0.3	0.1	0
8	0	0	0.4	0	2.1	9.0	3.6	1.5	1.3	0.3	0.1	0
9	0	0	0.3	0	4.4	8.5	3.6	1.5	1.3	0.3	0.1	0
10	0	0	0.3	0	5.0	8.0	3.6	1.5	1.3	0.3	0	0
11	0	0	0.3	0	25.8	8.0	3.2	1.5	1.5	0.3	0	0
12	0	0	0.3	0	13.5	7.5	3.2	1.5	1.5	0.4	0	0
13	0	0	0.3	0	5.0	7.0	3.2	1.7	1.5	0.4	0	0
14	0	0	0.4	0	4.5	6.4	3.2	2.5	1.5	0.5	0	0
15	0	0	0.4	0	6.0	5.8	3.2	2.8	1.5	0.5	0	0
16	0	0	0.4	0	4.0	5.8	3.2	3.2	1.5	0.5	0	0
17	0	0	0.3	0	3.5	5.8	3.2	2.5	1.5	0.5	0	0
18	0	0	0.2	0	3.0	5.8	3.2	1.7	1.5	0.5	0	0
19	0	0	0.1	0	3.5	5.8	3.2	1.7	1.3	0.5	0	0
20	0	0.5	0	3.0	5.0	5.8	2.8	1.7	1.1	0.4	0	0
21	0	0	0	1.4	4.5	5.8	2.8	1.5	1.1	0.3	0	0
22	0	0	0	6.2	4.0	6.9	2.8	1.5	0.9	0.3	0	0
23	0	0	0	3.6	3.5	6.0	2.8	1.5	0.8	0.3	0	0
24	0	0	0	2.5	2.5	5.5	2.8	1.5	0.8	0.3	0	0
25	0	0	0	1.5	2.0	5.0	2.8	1.5	0.6	0.3	0	0
26	0	0	0	1.3	1.7	4.6	2.8	1.5	0.6	0.3	0	0
27	0	0	0	1.2	1.5	4.6	2.8	1.5	0.6	0.3	0	0
28	0	0	0	1.0	1.4	4.6	2.8	1.5	0.6	0.2	0	0
29	0	0	0	0.9		4.6	2.8	1.5	0.6	0.2	0	0
30	0	0	0	0.8		4.6	2.5	1.5	0.6	0.2	0	0
31	0		0	0.7		4.0		1.3		0.2	0	
	0	0.5	44.0	63.7	1067.6	224.4	95.7	54.8	34.6	11.1	1.1	0
MEAN	0	0.02	1.42	2.05	38.1	7.24	3.19	1.77	1.15	0.36	0.04	0
ACRE-FEET	0	1.0	87.	126.	2120.	445.	190.	109.	69.	22.	2.2	0

Remarks:

YEAR OR PERIOD MEAN 4.38
ACRE-FEET 3170.

STATION F338-R
RUBIO DIVERSION CHANNEL
below Gooseberry Canyon Inlet

LOCATION: LAT. 34°11'32", LONG. 118°07'02", ON THE LEFT (NORTHERLY) BANK; 375 FEET UPSTREAM OF CREST DRIVE; 3½ MILES NORTHEAST OF PASADENA. ELEVATION OF ZERO GAGE HEIGHT 1399.0.

DRAINAGE AREA: 2.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 12 FEET WIDE AND 11 FEET DEEP. BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM STEEL FOOTBRIDGE 27 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM DECEMBER 16, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: FLOW PARTIALLY REGULATED BY RUBIO AND GOOSEBERRY DEBRIS BASINS. RUBIO CANYON LAND AND WATER ASSOCIATION DIVERTS LOW FLOWS IN RUBIO CANYON.

RECORDS AVAILABLE: DECEMBER 16, 1959 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 22 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 32 SECOND-FEET FEBRUARY 10.
MINIMUM NO FLOW AT VARIOUS TIMES.
1959-63
MAXIMUM 32 SECOND-FEET FEBRUARY 10, 1963.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

150714K Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F338-R

Daily discharge, in second-feet of RUBIO DIVERSION CHANNEL below Gooseberry Canyon Inlet, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	0	+	+	+	+	+	0	0
2	0	0	1.7	0	0	|	|	|	+	0	0	0
3	0	0	+	0	0	|	|	|	0	0	0	+
4	0	0	+	0	0	|	|	|	0	0	0	|
5	0	0	+	0	+	+	|	|	0	0	0	|
6	0	0	0	+	+	0.3	|	|	+	0	0	+
7	0	0	0	|	0.2	+	+	|	0	0	0	0
8	0	0	0	|	0.7	|	0	+	+	0	0	0
9	0	0	0	+	1.1	|	0	0	0	0	0	0
10	0	0	0	0	1.4	|	0	0	0	0	0	0
11	0	0	0	0	7.9	|	|	0	0	0	0	0
12	+	0	0	0.8	2.4	|	|	0	0	+	0	0
13	|	0	0	0.1	1.1	|	|	0	0	+	0	0
14	|	0	0.1	+	2.0	|	|	0	0	+	0	0
15	|	0	+	|	1.4	|	|	0	0	0	0	0
16	|	0	|	|	2.0	|	0	0	0.1	+	0	0
17	|	0	|	|	1.4	+	0	0	|	|	0	0
18	+	0	|	|	0.5	0.1	0	0	|	|	0	0
19	0	0	|	+	1.1	+	+	0	|	+	0	0
20	0	0.2	|	2.1	1.1	+	+	+	|	0	0	0
21	0	0	|	0.2	+	0	0	0	|	0	0	0
22	0	0	+	0.5	|	0.1	+	+	|	0	0	0
23	0	+	0	+	|	0	0	+	|	0	0	0
24	0	+	0	|	|	0	0	0	|	0	0	0
25	0	0.6	0	|	|	0	+	0	|	0	0	0
26	0	0.1	0	|	|	0	|	+	|	0	0	0
27	0	0	0	|	|	0	|	0	|	0	0	0
28	0	0	0	|	+	0	|	0	|	0	0	0
29	0	0	0	+	|	0	|	0	|	0	0	0
30	0	0	0	0	|	0	+	0	+	0	0	0
31	0	0.1	0	0	|	0	|	0	|	0	0	0
	0	0	0	0	|	0	|	0	|	0	0	0
	+	1.0	1.8	3.7	24.3	0.5	+	0.1	+	+	0	+
MEAN	+	0.03	0.06	0.12	0.87	0.02	+	+	+	+	0	+
ACRE-FEET	+	2.0	3.6	7.3	48.	1.0	+	0.2	+	+	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.09
ACRE-FEET 62.

74D76M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

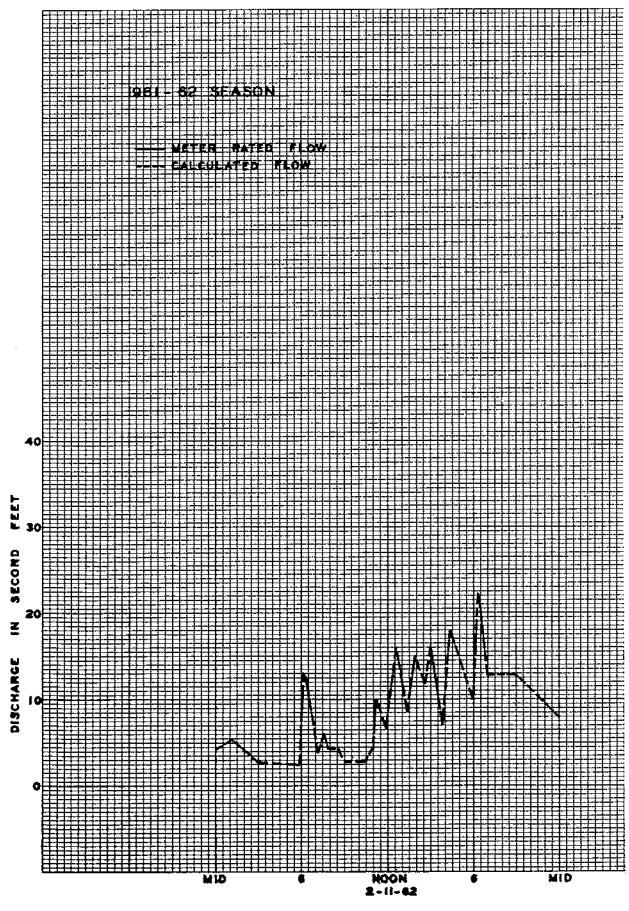
Sta. No. F338-R

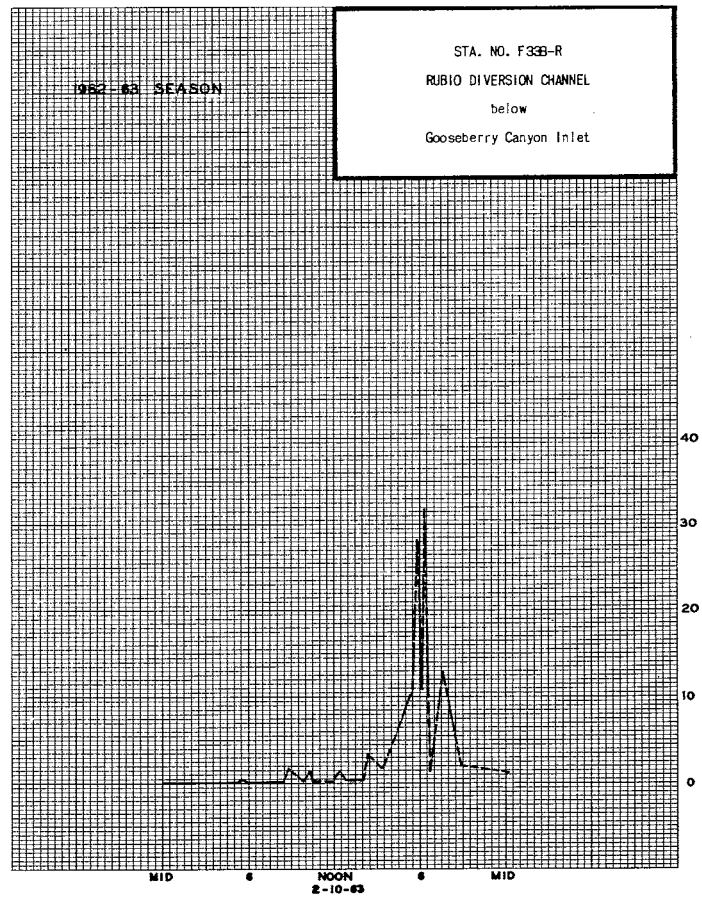
Daily discharge, in second-feet of RUBIO DIVERSION CHANNEL below Gooseberry Canyon Inlet, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	+	+	0.1	+	0.1	+	+	0	+	0
2		0			+		+			+	0	0
3		0			+						0	0
4		+			+						+	0
5					0				+	+	0	0
6					0				0	0	0	+
7					0				0	0	0	0
8				+	0				0	0	+	+
9	+			0.1	2.6				0	+	0	
10	0			0.1	0.9				0.4		0	
11	0			+	0.7				0.4		0	
12	0			+	0.3				+		+	
13	0			0	0.4		+		0		0	
14	0	+		0	0.5		0.3		0		+	+
15	0	0		0	+	+	+		0			0
16	0	0		0		0.4			0			0
17	0	0		0		0.2			0		+	0.5
18	0	0		0		+			+		0	0.4
19	0	0		+			+				+	0.2
20	0	0					0.3				0	+
21	0	0					+				0	
22	0	0	+			+					+	
23	0	0									0	
24	0	0	0			0.1	+				0	
25	0	0	0			+	0.4			+	+	
26	0	0	0			+	+			0	0	
27	0	0				0				+	0	
28	0	0	+		+	0.5			+	+	0	
29	0	0				+			0	+	+	
30	0	0		+		+	+		+	0	0	+
31	0		+	0.3		+		+		0	0	
	+	+	+	0.5	5.5	1.2	1.1	+	0.8	+	+	1.1
MEAN	+	+	+	0.02	0.20	0.04	0.03	+	0.03	+	+	0.04
ACRE-FEET	+	+	+	1.0	11.	2.4	2.0	+	1.6	+	+	2.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 20.





STATION F82C-R
RUBIO WASH at Glendon Way

LOCATION: 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: 11.1 SQUARE MILES. (13.4 SQUARE MILES PRIOR TO OCTOBER 1959)

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 48.1 FEET WIDE X 10.5 FEET DEEP TO BOTTOM OF 0.5 FOOT INVERT WITH 0.5 FOOT FILLETS AT VERTICAL SIDE WALLS.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION F82-R, LAS TUNAS DRIVE, JANUARY 13, 1930 TO SEPTEMBER 30, 1930; AT STATIONS F107-R AND F82B-R, BROADWAY, OCTOBER 1, 1930 TO NOVEMBER 6, 1936; AT STATION F82C-R NOVEMBER 6, 1936 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1200 SECOND-FEET JANUARY 20.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
1962-63
MAXIMUM 1180 SECOND-FEET FEBRUARY 9.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES OF YEAR.
1930-63 (STATIONS F82-R, F82B-R, F82C-R).
MAXIMUM 3020 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

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

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.2	13.0	0.2	0.2	0.4	0.2	0.2	0.6	0.2	c 0.4	0.6
2	1.0	0.2	153	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.4	0.4
3	1.0	0.4	12.5	0.2	0.2	0.2	0.2	0.2	0.6	0.2	0.4	0.4
4	0.6	0.2	1.0	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.4	0.4
5	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.4	0.2
6	0.6	0.2	0.2	0.2	3.4	58	0.2	0.2	0.6	0.4	c 0.4	0.2
7	0.6	0.2	0.2	0.2	33	0.6	0.2	0.2	0.6	0.4	0.4	1.0
8	0.6	0.2	0.2	0.2	174	1.0	0.2	0.2	0.4	0.4	0.4	1.0
9	0.6	0.4	0.2	0.2	88	6.7	0.2	0.2	0.4	0.4	0.4	0.2
10	0.6	0.2	0.2	0.2	144	0.2	0.2	0.2	0.4	0.4	0.2	1.9
11	0.6	0.2	0.4	0.2	281	0.2	0.2	0.4	0.4	0.6	0.4	1.9
12	0.6	0.2	0.4	11.7	83	0.2	0.6	0.2	0.4	0.4	0.4	1.0
13	0.4	0.2	0.4	2.6	1.4	0.2	1.0	0.2	0.4	0.4	0.4	1.4
14	0.2	0.2	12.4	0.2	1.0	0.2	1.0	13.5	0.2	0.4	0.4	1.4
15	0.4	0.2	0.4	0.2	92	0.2	1.0	1.0	0.2	0.4	0.4	1.0
16	0.4	0.4	0.2	0.2	25	0.2	0.6	27	0.2	0.4	0.4	0.4
17	0.4	0.2	0.2	0.2	1.4	0.2	0.4	0.6	0.2	0.4	0.6	0.6
18	0.4	0.4	0.2	0.4	0.4	22	0.4	0.6	0.2	0.4	0.4	0.4
19	1.0	0.2	0.2	0.4	152	8.6	0.4	0.4	0.2	0.4	0.4	0.2
20	1.0	102	0.2	161	41	9.7	0.4	0.2	0.2	0.4	0.4	0.2
21	0.4	1.4	0.2	23	6.1	0.6	0.2	0.2	0.2	0.4	0.4	0.2
22	0.4	0.2	0.2	93	0.2	11.5	0.2	0.2	0.2	0.4	0.4	0.2
23	0.4	0.2	0.2	4.1	0.2	0.4	0.2	0.2	0.2	0.4	0.4	0.2
24	0.4	0.2	0.1	0.4	10.6	0.2	0.2	0.4	0.2	0.4	0.4	0.2
25	0.4	54	0.1	0.2	1.0	0.2	0.4	0.4	0.2	0.4	0.4	0.2
26	0.4	13.6	0.2	0.2	1.0	0.2	0.2	0.4	0.2	0.4	0.4	0.2
27	0.4	1.0	0.2	0.2	0.4	0.2	0.2	0.4	0.2	c 0.4	0.4	0.2
28	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2
29	0.2	0.2	0.2	0.2		0.2	0.2	0.2	0.2	0.4	0.2	0.2
30	0.2	7.9	0.2	0.2		0.2	0.3	0.2	0.2	0.4	0.4	0.2
31	0.2		0.2	0.2		0.2		0.2		c 0.4	0.6	
	164	185.5	197.7	301.0	1141.3	123.5	10.2	49.5	9.6	11.6	12.4	16.8
MEAN	0.53	6.18	6.38	9.71	40.8	3.98	0.34	1.60	0.32	0.37	0.40	0.56
ACRE-FEET	33.	368.	392.	597.	2260.	245.	20.	98.	19.	23.	25.	33.

Remarks:

YEAR OR PERIOD MEAN 5.69
ACRE-FEET 4120.

74DT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

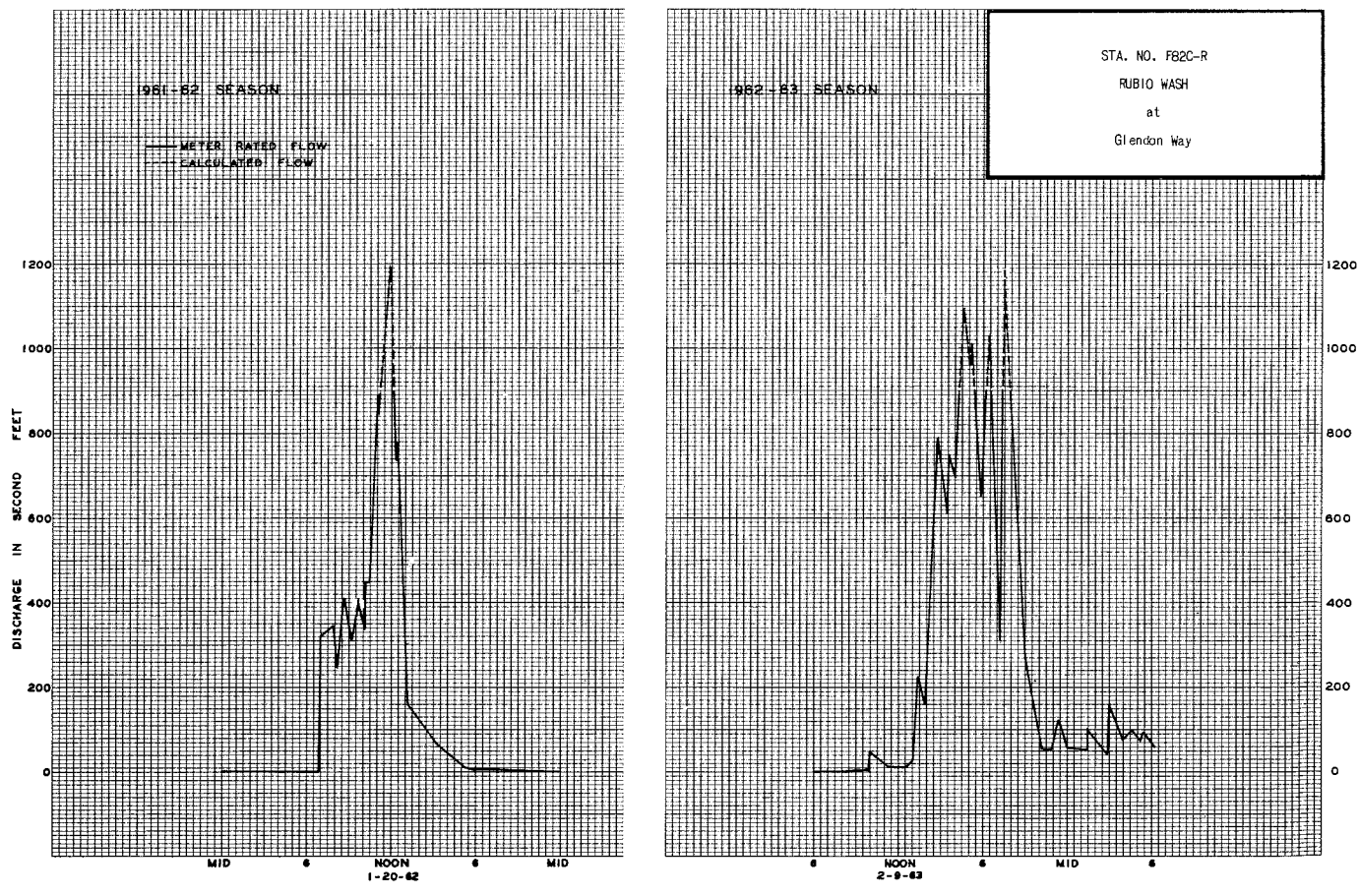
Sta. No. F82C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	0.4	0.2	7.3	0.1	2.9	0.2	0.2	0.2	0.4	0.4
2	0.4	0.4	0.4	0.2	0.6	0.2	0.2	0.4	0.4	0.2	0.4	0.6
3	0.4	0.4	0.4	0.2	0.4	0.2	0.2	0.6	0.4	0.2	0.4	0.6
4	3.2	0.4	0.4	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.4	23
5	0.6	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.6
6	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.4	1.0
7	0.6	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
8	0.4	0.2	0.2	0.2	0.2	0.2	2.6	0.2	0.4	0.6	0.4	0.2
9	0.6	0.4	0.4	0.6	246	0.2	0.2	0.2	0.4	0.6	0.4	0.2
10	0.4	0.4	0.2	0.6	58	0.2	0.2	0.2	1.0	1.4	0.4	0.2
11	0.4	0.4	0.2	0.4	1.4	0.2	0.2	0.2	8.8	1.4	0.4	0.2
12	0.4	0.4	0.2	0.4	0.2	0.2	0.2	0.2	0.4	2.5	0.4	0.6
13	0.4	0.6	0.2	0.2	1.0	0.2	0.2	0.2	0.4	2.5	0.6	0.4
14	3.2	0.6	0.2	0.4	39	0.2	29	0.2	0.2	3.6	0.4	0.4
15	0.2	0.4	0.2	0.4	0.6	4.7	3.4	0.2	0.1	4.8	0.6	0.4
16	0.2	0.4	0.4	0.2	0.2	87	0.2	0.2	0.1	4.8	0.6	0.4
17	0.2	0.2	0.4	0.2	0.2	11.4	1.4	0.2	0.1	4.8	0.4	28
18	0.2	0.2	0.4	0.2	0.2	1.0	0.2	0.2	0.2	4.8	0.6	27
19	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	4.8	0.4	14.8
20	0.2	0.2	0.4	0.2	0.2	0.1	26	0.2	0.2	2.5	0.4	0.2
21	0.2	0.2	0.4	0.2	0.2	0.2	4.5	0.2	0.2	1.0	0.4	0.2
22	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.2	1.0	0.2	0.2
23	0.2	0.4	0.4	0.2	0.2	9.2	0.2	0.2	0.2	1.0	0.2	0.2
24	0.2	0.2	0.4	0.2	0.1	0.2	0.2	0.2	0.2	1.0	0.2	0.2
25	0.2	0.2	0.4	0.2	0.1	0.2	2.2	0.4	0.2	0.6	0.2	0.2
26	0.2	0.2	0.4	0.2	0.1	0.2	52	0.4	0.2	0.6	0.4	0.2
27	0.4	0.2	0.4	0.2	0.1	26	0.6	0.4	0.2	0.6	0.4	0.2
28	0.4	0.2	0.4	0.2	0.1	2.9	0.2	0.2	0.2	0.4	0.2	0.2
29	0.6	0.2	0.2	0.4		0.6	0.4	0.2	0.2	0.6	0.4	0.4
30	0.4	0.2	0.2	0.6		0.2	0.2	0.2	0.2	0.4	0.4	0.4
31	0.2		0.2	24		0.2		0.2		0.6	0.6	
	16.0	9.6	10.4	32.2	357.8	147.2	128.4	7.6	16.7	48.5	12.4	102.0
MEAN	0.52	0.32	0.34	1.04	12.8	4.75	4.28	0.25	0.56	1.56	0.40	3.40
ACRE-FEET	32.	19.	21.	64.	710.	292.	255.	15.	33.	96.	25.	202.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.44
ACRE-FEET 1760.



STATION U15-R

SAN ANTONIO CREEK below Edison Co. Power Plant Diversion

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°12'58" LONG. 117°40'04", IN SE 1/4, SW 1/4, NW 1/4 SEC. 36 T.2N, R.8W, ON RIGHT BANK, 0.5 MILE UPSTREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8.8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1963.

AVERAGE DISCHARGE: 46 YEARS (1917-63), 8.67 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT; 58 YEARS (1901-63), 21.5 SECOND-FEET.

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 182 SECOND-FEET FEBRUARY 16, GAGE HEIGHT 2.83 FEET.
MINIMUM DAILY 0.1 SECOND-FOOT OCTOBER 1 TO 18.

1962-63
MAXIMUM 36 SECOND-FEET FEBRUARY 9, GAGE HEIGHT 2.01 FEET.
MINIMUM 0.2 SECOND-FOOT ON SEVERAL DAYS.

1917-63
MAXIMUM 21,400 SECOND-FEET MARCH 2, 1938. (REVISED BY HYDROLOGIC STUDIES).
MINIMUM NO FLOW AT TIMES IN 1931 AND 1951.

REMARKS: RECORDS GOOD. SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT DIVERTS WATER ABOVE STATION AND COMBINED FLOW IS PUBLISHED HEREWITH.

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

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant Diversion, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.5	0.4	0.6	11	3.0	7.0	1.0	0.8	0.5	0.4
2	0.1	0.2	20	0.4	0.6	9.1	3.7	6.1	1.0	0.8	0.5	0.4
3	0.1	0.2	3.4	0.4	0.6	7.7	4.9	5.6	1.0	0.8	0.5	0.4
4	0.1	0.2	2.0	0.4	0.6	6.6	7.5	4.9	1.0	0.8	0.5	0.5
5	0.1	0.2	1.5	0.4	0.6	6.1	13	4.4	1.0	0.8	0.5	0.5
6	0.1	0.2	1.3	0.4	0.6	8.4	12	3.9	1.0	0.7	0.5	0.5
7	0.1	0.2	1.0	0.4	0.6	6.3	7.0	3.4	1.0	0.7	0.5	0.5
8	0.1	0.2	0.8	0.4	10	5.8	8.8	3.2	0.9	0.6	0.5	0.4
9	0.1	0.2	0.8	0.4	29	5.6	9.8	2.8	0.8	0.6	0.5	0.4
10	0.1	0.2	0.7	0.4	22	5.1	12	2.5	0.8	0.6	0.5	0.4
11	0.1	0.2	0.6	0.4	84	4.1	12	2.0	0.8	0.7	0.5	0.4
12	0.1	0.2	0.6	0.4	111	3.6	13	1.9	0.8	0.8	0.5	0.4
13	0.1	0.2	0.6	0.4	64	3.2	14	1.8	0.8	0.8	0.4	0.4
14	0.1	0.2	0.6	0.4	50	2.8	15	2.0	0.8	0.8	0.4	0.4
15	0.1	0.2	0.6	0.4	49	2.5	17	1.8	0.8	0.8	0.4	0.4
16	0.1	0.2	0.5	0.4	42	2.5	15	2.1	0.8	0.7	0.4	0.4
17	0.1	0.2	0.5	0.4	37	2.3	15	1.7	0.8	0.6	0.4	0.4
18	0.1	0.2	0.4	0.4	33	2.5	14	1.6	0.8	0.6	0.4	0.4
19	0.2	0.2	0.4	0.4	33	2.5	14	1.5	0.8	0.6	0.4	0.4
20	0.2	4.1	0.4	4.0	31	2.5	14	1.4	0.8	0.6	0.4	0.4
21	0.2	0.4	0.4	0.9	32	2.5	13	1.3	0.8	0.6	0.4	0.4
22	0.2	0.4	0.4	0.8	31	2.8	11	1.2	0.8	0.6	0.4	0.4
23	0.2	0.4	0.4	0.8	26	2.6	9.8	1.1	0.8	0.7	0.4	0.4
24	0.2	0.4	0.4	0.7	24	2.7	9.1	1.1	0.8	0.7	0.4	0.4
25	0.2	0.6	0.4	0.7	23	2.5	9.4	1.1	0.8	0.7	0.4	0.4
26	0.2	0.5	0.4	0.6	19	2.5	9.1	1.2	0.8	0.7	0.4	0.4
27	0.2	0.6	0.4	0.6	15	2.7	8.4	1.2	0.8	0.6	0.4	0.4
28	0.2	0.6	0.4	0.6	12	2.8	8.0	1.2	0.8	0.6	0.4	0.4
29	0.2	0.6	0.4	0.6		2.8	7.7	1.3	0.8	0.5	0.4	0.4
30	0.2	0.5	0.4	0.6		2.8	7.4	1.1	0.8	0.5	0.4	0.4
31	0.2		0.4	0.6		2.6		1.0		0.5	0.4	
	4.4	12.9	41.6	19.1	781.2	129.9	317.6	74.4	25.5	20.9	13.6	12.4
MEAN	0.14	0.43	1.34	0.62	27.9	4.19	10.6	2.40	0.85	0.67	0.44	0.41
ACRE-FEET	8.7	26.	83.	38.	1550.	258.	630.	148.	51.	41.	27.	25.

Remarks:

YEAR OR PERIOD MEAN 3.98
ACRE-FEET 2890.

74D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Co. Power Plant Diversion for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.6	.6	6.3	.6	.5	.6	.8	2.1	.6	.3	.2	.3
2	.6	.6	.6	.6	.4	.6	.8	3.2	.5	.3	.2	.3
3	.6	.6	.5	.6	.4	.6	.8	3.0	.5	.2	.2	.4
4	.6	.6	.4	.6	.4	.5	.8	1.5	.5	.2	.2	.4
5	.6	.6	.4	.6	.4	.5	.7	1.0	.4	.2	.2	.4
6	.6	.6	.4	.6	.4	.4	.7	.9	.5	.2	.2	.3
7	.6	.6	.4	.6	.4	.4	.7	.9	.5	.3	.2	.3
8	.6	.6	.4	.6	.4	.4	.7	.9	.5	.3	.2	.3
9	.6	.6	.4	.6	8.2	.4	.7	.8	.4	.3	.2	.3
10	.6	.6	.4	.7	6.1	.4	.7	.8	.4	.3	.2	.3
11	.6	.6	.4	.7	1.4	.4	.7	.8	.4	.3	.2	.3
12	.6	.6	.5	.7	1.3	.4	.6	.7	.4	.3	.2	.3
13	.6	.6	.5	.5	1.0	.5	.6	.7	.4	.3	.2	.3
14	.6	.6	.5	.5	1.0	.6	.7	.6	.4	.2	.2	.3
15	.6	.6	.5	.4	.9	.6	.7	.6	.4	.2	.2	.3
16	.6	.7	.5	.4	.9	.8	.7	.6	.4	.2	.2	.3
17	.6	.6	.5	.4	.8	.8	.7	.6	.4	.2	.4	.4
18	.6	.6	.5	.4	.8	.8	.7	.6	.4	.2	.3	.5
19	.6	.6	.5	.4	.8	.8	.7	.6	.4	.2	.3	.9
20	.6	.6	.5	.4	.8	.7	1.0	.4	.4	.2	.3	1.0
21	.6	.5	.5	.4	.8	.7	1.2	.5	.4	.2	.3	.8
22	.6	.5	.5	.4	.7	.7	1.0	.5	.5	.2	.3	.7
23	.6	.5	.4	.4	.7	.7	1.0	.5	.4	.2	.3	.5
24	.6	.5	.4	.4	.7	.7	.9	.5	.4	.2	.3	.5
25	.6	.5	.4	.4	.6	.6	.8	.5	.4	.2	.3	.4
26	.6	.5	.4	.4	.6	.6	1.1	.5	.4	.2	.3	.4
27	.6	.5	.4	.4	.6	.6	1.0	.6	.4	.2	.3	.4
28	.6	.6	.4	.4	.6	.9	1.0	.6	.4	.2	.3	.3
29	.6	.6	.4	.4		.9	1.0	.6	.3	.2	.3	.3
30	.6	1.6	.5	.4		.9	1.0	.6	.3	.2	.3	.3
31	.6		.5	.4		.9		.6		.2	.3	
	17.3	18.4	19.9	15.3	32.6	19.2	24.5	27.3	12.7	7.1	7.8	12.5
MEAN	0.56	0.61	0.64	0.49	1.16	0.62	0.82	0.88	0.42	0.23	0.25	0.42
ACRE-FEET	34.	36.	39.	30.	65.	38.	49.	54.	25.	14.	15.	25.

Remarks:

YEAR OR PERIOD MEAN 0.59
ACRE-FEET 424.

74D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of SAN ANTONIO CREEK and Southern California Edison Co.'s Conduit for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1	3.2	4.1	5.0	5.6	3.6	2.9	3.2	1.9	1.5	1.0	9.1
2	3.1	3.2	2.8	5.0	5.6	3.4	2.9	3.1	1.9	1.5	1.0	8.8
3	3.1	3.2	7.7	5.0	5.6	3.3	3.0	3.1	1.9	1.5	1.0	8.8
4	3.1	3.2	6.5	5.0	5.4	3.2	2.2	3.0	1.9	1.4	1.0	8.5
5	3.1	3.2	6.1	5.0	5.5	3.1	1.3	2.9	1.9	1.4	1.0	8.5
6	3.1	3.2	5.7	5.0	5.5	3.3	1.5	2.9	1.9	1.4	1.0	8.5
7	3.1	3.2	5.3	5.0	5.7	3.1	3.2	2.8	1.9	1.4	1.0	8.5
8	3.3	3.2	5.2	5.0	1.8	3.1	3.4	2.8	1.8	1.4	1.0	8.8
9	3.3	3.2	5.0	5.0	3.6	3.1	3.5	2.8	1.8	1.4	1.0	8.4
10	3.3	3.2	5.0	5.0	3.0	3.0	3.7	2.8	1.8	1.4	1.0	8.6
11	3.3	3.2	4.8	5.0	9.3	2.9	3.7	2.7	1.8	1.4	1.0	8.4
12	3.1	3.2	4.8	5.0	11.9	2.9	3.8	2.7	1.7	1.4	1.0	8.4
13	3.1	3.2	4.8	5.0	7.8	2.8	3.9	2.7	1.7	1.4	9.7	8.4
14	3.1	3.2	4.8	5.0	6.7	2.8	4.0	2.7	1.8	1.3	9.7	8.4
15	3.1	3.2	4.9	5.0	6.8	2.8	4.2	2.7	1.8	1.3	9.7	8.4
16	3.1	3.2	4.8	5.0	6.2	2.8	4.0	2.7	1.7	1.3	9.7	8.1
17	3.1	3.2	4.8	5.0	5.7	2.7	4.1	2.7	1.7	1.3	9.4	8.1
18	3.1	3.2	4.7	5.0	5.5	2.8	4.0	2.6	1.7	1.3	9.4	7.8
19	3.2	3.2	4.7	4.8	5.5	2.8	4.0	2.6	1.7	1.3	9.4	7.8
20	3.2	8.4	4.7	1.0	5.3	2.6	4.0	2.5	1.7	1.3	9.4	7.6
21	3.2	3.8	4.7	5.7	5.4	2.6	3.9	2.4	1.7	1.3	9.4	8.1
22	3.2	3.7	4.7	5.3	5.2	2.8	3.7	2.4	1.6	1.3	9.4	7.8
23	3.2	3.7	4.8	5.5	4.8	2.8	3.5	2.3	1.6	1.2	9.4	7.8
24	3.2	3.5	4.8	5.5	4.7	2.7	3.4	2.3	1.6	1.2	9.1	7.8
25	3.2	4.6	5.0	5.6	4.7	2.6	3.4	2.3	1.5	1.2	9.1	7.8
26	3.2	4.1	5.0	5.6	4.3	2.6	3.4	2.3	1.5	1.2	9.1	7.8
27	3.2	4.2	5.0	5.7	4.0	2.7	3.3	2.2	1.5	1.2	9.1	7.8
28	3.2	4.2	5.0	5.4	3.7	2.7	3.3	2.2	1.5	1.2	9.1	7.8
29	3.2	4.2	5.0	5.5		2.7	3.3	2.1	1.5	1.2	9.1	7.8
30	3.2	4.1	5.0	5.5		2.8	3.2	2.0	1.5	1.2	9.1	7.6
31	3.2		5.0	5.5		2.8		1.9		1.2	9.1	
	98.2	109.5	180.4	165.6	1197.9	89.9.0	1017.0	80.4.0	51.5.0	41.0.0	297.4	246.6
MEAN	3.17	3.65	5.82	5.34	42.8	29.0	33.9	25.9	17.2	13.2	9.59	8.22
ACRE-FEET	195.	217.	358.	328.	2380.	1780.	2020.	1580.	1020.	813.	590.	489.

Remarks:

YEAR OR PERIOD MEAN 16.3
ACRE-FEET 11,780.

F6D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of SAN ANTONIO CREEK AND SOUTHERN CALIFORNIA EDISON CO.'S CONDUIT, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	7.5	8.4	6.6	6.5	7.9	7.7	6.3	8.2	7.2	5.9	5.0
2	8.0	7.5	7.3	6.6	6.4	7.9	7.7	7.0	8.5	7.2	5.6	5.0
3	8.0	7.5	7.0	6.6	6.1	7.9	7.7	7.2	8.5	7.1	5.6	5.1
4	8.1	7.5	7.0	6.6	6.1	7.8	7.5	8.6	8.5	6.8	5.6	5.6
5	8.1	7.5	7.0	6.6	6.1	7.8	7.4	8.6	8.4	6.5	5.6	5.3
6	8.1	7.5	7.0	6.6	6.1	7.5	7.4	8.3	8.4	6.5	5.6	5.0
7	8.1	7.5	7.0	6.6	6.1	7.8	7.4	8.4	8.1	6.6	5.6	5.0
8	7.7	7.5	7.0	6.6	6.1	7.8	7.4	8.4	8.2	6.6	5.4	5.0
9	7.7	7.5	7.0	6.6	1.4	8.1	7.4	8.3	8.1	6.6	5.4	4.8
10	7.7	7.2	6.7	6.7	1.5	7.8	7.5	8.3	8.1	6.6	5.4	4.8
11	7.7	7.2	6.7	6.7	8.7	7.8	7.5	8.3	8.1	6.6	5.1	4.8
12	7.7	7.2	6.5	6.7	8.6	7.8	7.7	8.2	8.1	6.6	5.1	4.8
13	7.7	7.2	6.5	6.5	8.5	7.9	7.7	8.2	7.8	6.6	4.9	4.8
14	7.7	7.2	6.5	6.5	8.4	8.0	8.1	8.1	7.8	6.5	4.9	4.8
15	7.8	7.2	6.5	6.4	8.2	8.0	7.7	8.2	7.5	6.5	4.9	4.8
16	7.8	7.3	6.5	6.4	8.0	8.2	7.7	7.9	7.2	6.5	4.7	4.8
17	7.8	7.2	6.5	6.4	7.7	8.0	7.7	8.2	7.5	6.2	5.1	5.6
18	8.1	7.2	6.5	6.4	7.8	8.3	7.7	8.2	7.6	6.2	5.0	6.2
19	7.8	7.2	6.5	6.4	7.6	8.3	7.7	8.2	7.6	6.2	5.0	6.9
20	7.8	7.2	6.5	6.4	7.6	8.2	8.2	8.0	7.6	6.2	5.0	5.9
21	7.8	7.1	6.5	6.4	7.6	7.9	9.0	8.1	7.6	5.9	5.0	5.7
22	7.8	7.1	6.5	6.4	7.9	8.0	8.3	8.4	7.6	5.9	5.0	5.6
23	7.8	7.1	6.4	6.4	7.9	7.9	8.4	8.4	7.5	5.9	5.0	5.4
24	7.8	7.1	6.4	6.4	8.0	8.0	8.3	8.4	7.5	5.9	5.0	5.2
25	7.5	7.1	6.4	6.4	7.9	8.0	8.2	8.4	7.3	5.9	5.0	5.1
26	7.5	7.1	6.4	6.4	7.9	7.8	9.1	8.4	7.3	5.9	5.0	5.1
27	7.5	7.1	6.4	6.4	7.9	7.7	8.5	8.5	7.3	5.9	5.0	5.1
28	7.5	7.2	6.4	6.4	7.9	8.3	8.2	8.5	7.3	5.9	5.0	5.0
29	7.4	7.2	6.4	6.1		8.0	8.3	8.5	7.2	5.9	5.0	5.0
30	7.4	6.2	6.5	6.1		7.7	8.3	8.5	7.2	5.9	5.0	5.0
31	7.4		6.5	6.7		7.8		8.5		5.9	5.0	
	240.8	217.1	207.4	201.0	222.6	245.9	237.4	253.5	233.6	196.7	160.4	156.2
MEAN	7.77	7.24	6.69	6.48	7.95	7.93	7.91	8.18	7.79	6.35	5.17	5.21
ACRE-FEET	478.	431.	411.	399.	442.	488.	471.	503.	463.	390.	318.	310.

Remarks:

YEAR OR PERIOD MEAN 7.05
ACRE-FEET 5100.

STATION F323-R
SAN ANTONIO CREEK above Stoddard Canyon

LOCATION: LAT. 34°10'40", LONG. 117°40'30", ON THE DOWNSTREAM SIDE OF BRIDGE, CAMP BALDY ROAD, 1.4 MILES ABOVE SAN ANTONIO DAM. ELEVATION OF ZERO GAGE HEIGHT 2465 FEET.

DRAINAGE AREA: 22.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL, ROCKY, BOULDERS AND GRAVEL. CONTROL IS A CONCRETE AND RUBBLE WALL 82 FEET LONG, 13.5 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CAT-WALK ON UPSTREAM SIDE OF BRIDGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: AT STATION F151-R, FEBRUARY 20, 1931 TO MARCH 31, 1955 AND AT STATION F323-R, FEBRUARY 1, 1956 TO SEPTEMBER 30, 1963. NO RECORD FROM MARCH 31, 1955 TO FEBRUARY 1, 1956 DUE TO SAN ANTONIO DAM CONSTRUCTION.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 206 SECOND-FEET ESTIMATED FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 68 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1930-63
MAXIMUM 23,400 SECOND-FEET ESTIMATED MARCH 2, 1938 AT STATION F151-R.
MINIMUM NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: POOR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F323-R

Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	16	5.4	11	1.3	0	0	0
2	0	0	28	0	0	16	7.7	12	0.8	0	0	0
3	0	0	5.7	0	0	16	11	11	1.6	0	0	0
4	0	0	1.1	0	0	12	16	11	1.8	0	0	0
5	0	0	0	0	0	12	25	8.9	1.6	0	0	0
6	0	0	0	0	0	16	20	8.9	1.3	0	0	0
7	0	0	0	0	0	16	10	8.9	1.1	0	0	0
8	0	0	0	0	10	15	11	8.9	1.1	0	0	0
9	0	0	0	0	31	17	14	8.9	1.1	0	0	0
10	0	0	0	0	28	16	17	10	1.3	0	0	0
11	0	0	0	0	76	16	15	10	1.1	0	0	0
12	0	0	0	0	102	15	16	10	0.4	0	0	0
13	0	0	0	0	56	11	17	10	+	0	0	0
14	0	0	+	0	54	10	17	11	0	0	0	0
15	0	0	0	0	64	10	17	11	0	0	0	0
16	0	0	0	0	57	10	17	10	0	0	0	0
17	0	0	0	0	52	12	18	11	0	0	0	0
18	0	0	0	0	49	12	18	8.9	0	0	0	0
19	0	0	0	0	57	14	18	7.7	0	0	0	0
20	0	8.8	0	8.7	52	23	20	8.3	0	0	0	0
21	0	0.4	0	3.7	46	a 21	17	6.5	0	0	0	0
22	0	0	0	0.9	37	19	15	4.8	0	0	0	0
23	0	0	0	0.4	35	17	14	4.8	0	0	0	0
24	0	0	0	0.6	33	16	15	6.0	0	0	0	0
25	0	0.2	0	+	27	14	17	5.4	0	0	0	0
26	0	+	0	0	25	12	16	5.4	0	0	0	0
27	0	+	0	+	23	10	15	5.4	0	0	0	0
28	0	0	0		17	a 8.3	16	4.2	0	0	0	0
29	0	0	0			8.3	15	2.3	0	0	0	0
30	0	0	0			7.7	14	2.3	0	0	0	0
31	0		0	+		5.4		1.8		0	0	
	0	9.4	34.8	14.3	931.0	423.7	473.1	246.3	14.5	0	0	0
MEAN	0	0.31	1.12	0.46	33.2	13.7	15.8	7.96	0.48	0	0	0
ACRE-FEET	0	19.	69.	28.	1847.	840.	938.	490.	29.	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 5.88
ACRE-FEET 4260.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F323-R

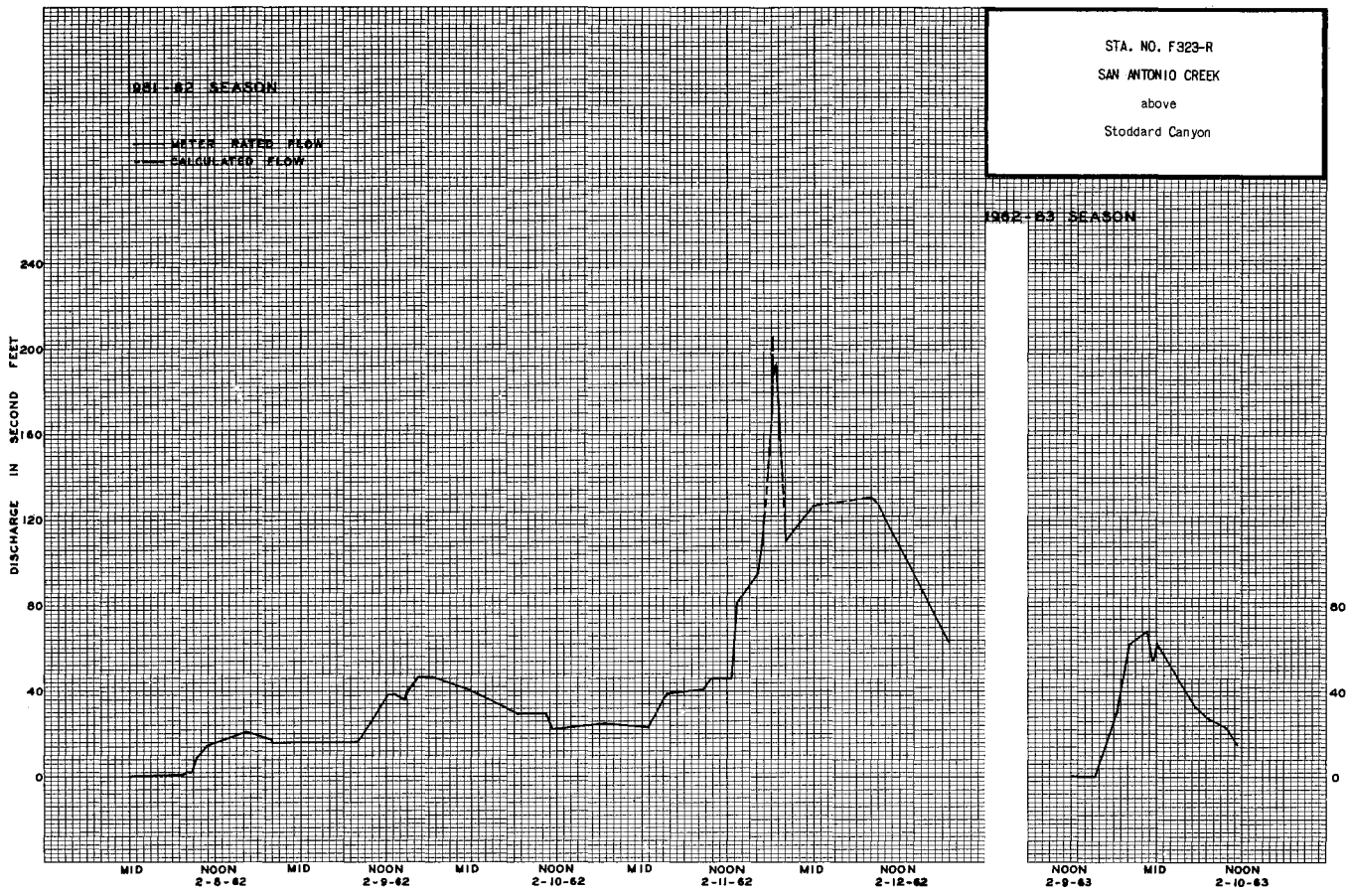
Daily discharge, in second-feet of SAN ANTONIO CREEK above Stoddard Canyon, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.8	1.1	0.8	0			
2	0	0	0	0	0	1.1	1.1	1.1	0			
3	0	0	0	0	0	1.3	0.8	1.1	0			
4	0	0	0	0	0	1.1	0.6	1.1	0			
5	0	0	0	0	0	0.8	0.5	0.6	0			RECORDER STOPPED FOR SUMMER
6	0	0	0	0	0	0.6	0.5	0.4	0			
7	0	0	0	0	0	0.6	0.5	0.2	0			
8	0	0	0	0	0	a 0.6	0.6	0.1	0			
9	0	0	0	+	15	0.6	0.5	+	0			
10	0	0	0	0	16	0.6	0.5	0	0			
11	0	0	0	0	4.8	0.6	0.5	0	0			
12	0	0	0	0	2.5	0.6	0.4	0	0			
13	0	0	0	0	1.8	0.6	0.4	0	0			
14	0	0	0	0	1.8	a 0.6	0.4	0	0			0
15	0	0	0	0	1.6	1.1	0.5	0	0			0
16	0	0	0	0	1.3	1.1	0.5	0	0			0
17	0	0	0	0	1.3	1.6	0.6	0	0			+
18	0	0	0	0	1.3	1.6	0.6	0	0			+
19	0	0	0	0	1.3	1.1	0.6	0	0			0
20	0	0	0	0	1.3	1.1	1.3	0	0			0
21	0	0	0	0	1.1	1.1	2.8	0				0
22	0	0	0	0	0.8	1.3	1.6	0				0
23	0	0	0	0	0.6	2.0	1.3	0				0
24	0	0	0	0	0.6	1.8	1.1	0				0
25	0	0	0	0	0.6	1.3	1.3	0				0
26	0	0	0	0	0.8	1.6	2.8	0				0
27	0	0	0	0	0.8	1.3	2.3	0				0
28	0	0	0	0	0.8	1.3	1.6	0				0
29	0	0	0	0		1.3	0.6	0				0
30	0	0	0	0		1.1	0.6	0				0
31	0		0	0		1.1		0				
	0	0	0	+	56.0	33.3	28.5	5.4	0	0	0	+
MEAN	0	0	0	0	2.00	1.07	0.95	0.17	0	0	0	+
ACRE-FEET	0	0	0	0	111.	66.	57.	11.	0	0	0	+

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.34
ACRE-FEET 245.



STATION F332-R
SAN ANTONIO WATER COMPANY DIVERSION
near Ontario No. 1 Power House

LOCATION: LAT. 34°10'23", LONG. 117°40'32", ON THE RIGHT (NORTH) BANK OF THE DIVERSION CHANNEL ABOVE WATER COMPANY'S DISTRIBUTION BOX AT ONTARIO NO. 1 POWER HOUSE.

CHANNEL AND CONTROL: CHANNEL, RECTANGULAR CONCRETE 10 FEET WIDE AND 46 INCHES DEEP. CONTROL IS WIDE CRESTED WEIR BUILT INTO CHANNEL.

DISCHARGE MEASUREMENTS: MEASUREMENTS MADE ABOVE WEIR.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1959 TO SEPTEMBER 30, 1963.

REGULATION: FLOW CAN BE REGULATED BY DIVERSION GATES AT SAN ANTONIO CREEK.

RECORDS AVAILABLE: FEBRUARY 4, 1957 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 23 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 4.6 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1957-63
MAXIMUM 28 SECOND-FEET JANUARY 7, 1958.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

7ADT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER CO. DIVERSION near Ontario #1 Power House, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	a 1.5	3.1	4.1	0.5			
2	0	0	0	0	0	1.6	4.8	4.6	0.5			
3	0	0	0	0	0	1.7	5.1	4.6	0.6			
4	0	0	0	0	0	1.8	f 5.5	4.3	0.5			
5	0	0	0	0	0	a 1.9	c 5.9	3.8	0.5			
6	0	0	0	0	0	f 1.0	c 5.9	3.5	0.3			
7	0	0	0	0	0	1.3	5.9	3.5	0.2			
8	0	0	0	0	0	2.0	7.2	5.9	+			
9	0	0	0	0	4.4	2.0	7.2	7.6				
10	0	0	0	0	10	2.0	6.8	7.2				
11	0	0	0	0	5.2	2.0	7.2	6.8	+			
12	0	0	0	0	2.1	a 1.7	7.6	6.4	0			
13	0	0	0	0	2.8	a 1.5	6.4	5.9	0			
14	0	0	0	0	2.0	1.4	5.1	6.4	0			
15	0	0	0	0	2.4	1.4	4.3	5.9	0			
16	0	0	0	0	1.8	1.4	4.1	e 5.5	0			
17	0	0	0	0	3.7	1.4	3.6	e 5.1	0			
18	0	0	0	0	3.8	1.4	4.1	4.8	0			
19	0	0	0	0	1.3	1.5	4.8	4.6	0			
20	0	0	0	0	2.5	1.5	4.8	4.6	0			
21	0	0	0	0	3.0	1.2	4.6	4.3	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER	RECORDER STOPPED FOR SUMMER
22	0	0	0	0.2	2.5	0.9	4.6	4.1				
23	0	0	0	0.4	2.0	1.3	5.1	4.3				
24	0	0	0	0.4	1.4	1.5	4.6	3.8				
25	0	0	0	0	a 1.4	1.4	4.6	3.5				
26	0	0	0	0	1.4	1.1	4.6	3.5				
27	0	0	0	0	1.4	0.7	4.6	2.8				
28	0	0	0	0	a 1.4	0.4	4.6	2.3				
29	0	0	0	0		0.4	4.6	1.5				
30	0	0	0	0		0.6	4.3	1.4				
31	0		0	0		0.3		0.9				
	0	0	0	1.0	56.5	41.8	156.0	137.7	3.4	0	0	0
MEAN	0	0	0	0.03	2.02	1.35	5.20	4.44	0.11	0	0	0
ACRE-FEET	0	0	0	2.0	112.	83.	309.	273.	6.7	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.09
ACRE-FEET 786.

7ADT4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F332-R

Daily discharge, in second-feet of SAN ANTONIO WATER CO. DIVERSION near Ontario #1 Power House, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	0	0.2	0.4	0.4	0	0	0	0
2		0	0	0	0	0.3	0.3	0.4	0	0	0	0
3		0	0	0	0	0.3	0.3	0.4	0	0	0	0
4		0	0	0	0	0.2	0.3	0.4	0	0	0	0
5		0	0	0	0	0.2	0.3	0.3	0	0	0	0
6		0	0	0	0	0.1	0.3	0.1	0	0	0	0
7		0	0	0	0	0.2	0.3	0	0	0	0	0
8		0	0	0	0	0.1	0.4	0	0	0	0	0
9		0	0	0	0	0.1	0.4	0	0	0	0	0
10		0	0	0	+	0.2	0.4	0	0	0	0	0
11		0	0	0	1.6	0.2	0.3	0	0	0	0	0
12		0	0	0	2.2	0.2	0.1	0	0	0	0	0
13		0	0	0	1.4	0.2	0.1	0	0	0	0	0
14		0	0	0	1.0	0.2	0.3	0	0	0	0	0
15	0	0	0	0	1.1	0.3	0.3	0	0	0	0	0
16	0	0	0	0	1.0	0.8	0.3	0	0	0	0	0
17	0	0	0	0	0.9	1.1	0.3	0	0	0	0	0
18	0	0	0	0	0.8	1.2	0.4	0	0	0	0	0
19	0	0	0	0	0.7	0.8	0.3	0	0	0	0	0
20	0	0	0	0	0.6	0.6	0.3	0	0	0	0	0
21	0	0	0	0	0.5	0.4	0.8	0	0	0	0	0
22	0	0	0	0	0.4	0.4	0.5	0	0	0	0	0
23	0	0	0	0	0.4	0.4	0.4	0	0	0	0	0
24	0	0	0	0	0.3	0.4	0.4	0	0	0	0	0
25	0	0	0	0	0.2	0.4	0.4	0	0	0	0	0
26	0	0	0	0	0.1	0.4	0.7	0	0	0	0	0
27	0	0	0	0	0.1	0.4	0.5	0	0	0	0	0
28	0	0	0	0	0.3	0.7	0.4	0	0	0	0	0
29	0	0	0	0		0.5	0.4	0	0	0	0	0
30	0	0	0	0		0.4	0.4	0	0	0	0	0
31	0		0	0		0.4		0		0	0	
	0	0	0	0	13.6	12.3	11.0	2.0	0	0	0	0
MEAN	0	0	0	0	0.49	0.40	0.37	0.07	0	0	0	0
ACRE-FEET	0	0	0	0	27.	24.	22.	4.0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.11
ACRE-FEET 77.

STATION F303-R
SAN DIMAS CREEK below San Dimas Dam

LOCATION: LAT. 34°09'11", LONG. 117°45'55", ON THE LEFT (EAST) BANK OF SAN DIMAS CREEK, 1000 FEET BELOW SAN DIMAS DAM, ELEVATION OF ZERO GAGE HEIGHT 1331.02.

DRAINAGE AREA: 16.2 SQUARE MILES.

CHANNEL AND CONTROL: NATURAL CHANNEL. A CONCRETE CONTROL INSTALLED BELOW STATION TO KEEP LOW FLOW AT LEFT BANK.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 25 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1959 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY SAN DIMAS DAM AND PARTIALLY BY OLD WATER TUNNEL 150 FEET ABOVE STATION.

RECORDS AVAILABLE: DECEMBER 24, 1951 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 215 SECOND-FEET DECEMBER 3.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 404 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1951-63
MAXIMUM 404 SECOND-FEET FEBRUARY 9, 1963.
MINIMUM NO FLOW AT TIMES.

ACCURACY: GOOD.

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

76D74M Gth 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.05	0.1	0.2	0.1	0.1	74	0	+	b 0.1	b 0.1	b 0.1	b 0.1
2	0.05	0.1	13.4	0.1	0.2	77	+		0.1	0.1	0.1	0.1
3	0.1	0.1	55	0.1	0.2	d 10.0	b 0.1		0.1	0.1	0.1	0.1
4	0.1	0.1	59	0.1	0.2	6.4	0.3		0.2	0.1	0.1	0.1
5	0.1	0.1	72	0.1	0.2	b 5.0	0.4		0.2	0.1	0.1	0.1
6	0.1	0.1	0.1	0.1	0.2	b 0.6	0.5		0.2	0.1	0.1	0.1
7	0.1	0.1	0.1	0.1	0.3	20	0.5		0.2	0.1	0.1	0.1
8	0.1	0.05	0.2	0.1	24	9.4	0.6		0.2	0.1	0.1	0.1
9	0.1	0.05	a 0.2	0.1	52	b 9.0	0.6		0.2	0.1	0.1	0.1
10	0.1	0.05	0.2	0.1	59	9.0	0.6		0.2	0.1	0.1	0.1
11	0.05	0.05	0.2	0.1	68	7.0	0.6		0.1	0.1	0.1	0.1
12	0.05	0.05	0.2	0.1	136	5.0	0.6		0.1	0.1	0.1	0.1
13	0.03	0.05	0.2	0.2	0.3	4.0	b 0.6	+	0.1	0.1	0.1	0.1
14	0.03	0.05	a 0.2	0.1	0.3	4.0	+	b 0.1	0.1	0.1	0.1	0.1
15	0.03	0.05	0.1	0.1	0.3	4.0		0.1	0.1	0.1	0.1	0.2
16	0.03	0.05	6.9	0.1	0.3	5.0		0.1	0.1	0.1	0.1	0.3
17	0.05	0.05	6.6	0.1	32	5.0		0.1	0.1	0.1	0.1	0.3
18	0.1	0.05	3.3	0.1	38	5.0		0.1	0.1	0.1	0.1	0.4
19	0.1	0.03	0.2	0.1	10.9	7.0		0.1	0.1	0.1	0.1	0.4
20	0.1	7.0	0.2	30	71	6.0		0.1	0.1	0.2	0.1	0.4
21	0.1	36	0.1	0.3	143	5.0		0.1	0.1	0.2	0.1	0.4
22	0.1	3.1	0.1	62	0.2	10.0		0.1	0.1	0.2	0.1	0.3
23	0.1	0.3	0.1	40	0.2	8.0		0.1	0.1	0.2	0.1	0.3
24	0.1	0.3	0.1	0.1	0.2	5.0		0.1	0.1	0.2	0.1	0.2
25	0.1	0.1	0.1	0.1	0.2	5.0		0.1	0.2	0.2	0.1	0.2
26	0.1	0.1	0.2	0.1	0.2	5.0		0.1	0.2	0.2	0.1	0.1
27	0.1	0.1	0.1	0.1	61	5.0		0.1	0.2	0.2	0.1	0.1
28	0.1	0.2	0.1	0.1	47	b 5.0		0.1	0.2	0.2	0.1	1.8
29	0.1	0.2	0.1	0.2		0		0.1	0.2	0.1	0.1	3.1
30	0.1	0.2	0.1	0.2		0	+	0.1	b 0.2	0.1	0.1	b 3.1
31	0.1		0.1	0.2		0		b 0.1		b 0.1	b 0.1	
	2.57	48.88	219.7	135.4	616.8	320.4	5.4	1.8	4.3	4.0	3.1	13.0
MEAN	0.08	1.63	7.09	4.37	22.0	11.0	0.18	0.06	0.14	0.13	0.10	0.43
ACRE-FEET	5.1	97.	436.	269.	1220.	634.	11.	3.6	8.6	8.0	6.2	26.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 3.89
ACRE-FEET 2820.

7ED74M Gls 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	a 0.1	0.06	0.08	0.1	0.1	0.1	0.2	0.3	0.3	a 0.2	2.7
2	33	0.1	0.06	0.08	0.1	0.1	0.1	0.1	0.3	0.3	0.2	2.7
3	18.2	0.1	0.08	0.08	0.06	0.1	0.1	0.1	0.3	0.2	0.2	2.7
4	2.6	0.09	0.08	0.1	0.06	0.1	0.1	0.1	0.3	0.2	0.2	2.7
5	2.7	0.09	0.08	0.1	0.06	0.1	0.1	0.2	0.3	0.3	0.2	2.6
6	3.3	0.08	0.08	0.08	0.06	0.1	0.1	0.2	0.2	0.3	0.2	2.6
7	3.5	0.08	0.08	0.08	0.06	0.1	0.1	0.2	0.2	0.3	0.2	2.6
8	3.3	0.07	0.08	0.08	0.06	a 0.1	0.1	0.2	0.2	0.3	a 0.1	2.6
9	3.5	0.07	0.06	0.1	59	0.1	0.1	0.4	0.2	0.3	0.1	2.6
10	3.6	0.07	0.06	0.1	83	0.1	0.1	0.3	0.2	0.3	0.1	2.7
11	3.6	0.07	0.06	0.1	b 0.3	0.1	0.1	0.3	0.3	0.3	0.1	2.7
12	3.6	0.06	0.06	0.1	a 0.2	0.1	0.1	0.3	0.3	0.3	0.1	2.7
13	3.6	0.06	0.06	0.1	0.2	0.1	0.1	0.5	0.3	0.3	0.1	2.7
14	3.6	0.05	0.08	0.08	0.2	0.1	9.8	0.3	0.3	0.3	0.1	2.9
15	3.5	a 0.05	0.08	0.08	0.2	0.1	7.0	0.5	0.3	2.4	0.1	2.9
16	3.5	0.06	0.08	0.08	0.1	0.1	0.3	0.5	0.3	a 3.5	0.1	2.9
17	3.5	0.06	0.08	0.08	0.1	0.1	0.3	0.4	0.3	1.3	0.1	3.1
18	3.5	0.04	0.08	0.08	0.1	0.1	0.3	0.3	0.3	0.2	0.1	2.3
19	3.5	0.04	0.08	0.08	0.1	a 0.1	0.3	0.2	0.3	0.2	1.8	0.2
20	3.5	0.04	0.08	0.08	a 0.08	0.1	0.3	0.2	0.2	0.2	2.6	0.2
21	3.5	0.04	0.08	0.1	0.06	35	0.3	0.1	0.3	0.2	2.4	0.2
22	3.5	0.04	0.08	0.08	0.06	34	0.3	0.1	0.3	0.2	2.4	0.2
23	3.5	0.06	0.08	0.08	0.06	0.2	0.2	0.1	0.3	0.2	2.4	0.2
24	3.5	0.08	0.08	0.08	0.08	0.2	0.2	0.2	0.2	0.2	2.6	0.2
25	3.6	0.06	0.08	0.08	0.08	0.1	0.2	0.2	0.2	0.2	2.6	0.2
26	3.6	0.06	0.06	0.08	0.08	0.1	32	0.3	0.2	0.2	2.6	0.2
27	3.6	0.06	0.06	0.08	0.08	0.1	0.7	0.3	0.2	0.2	2.6	0.2
28	3.6	0.06	0.06	0.08	0.08	14.1	0.2	0.3	0.2	0.2	2.7	0.2
29	3.6	0.06	0.08	0.08		0.3	0.1	0.3	0.2	0.2	2.7	0.2
30	3.6	0.06	0.08	0.08		0.2	0.1	0.1	0.2	0.3	2.7	0.2
31	2.8		0.08	0.1		0.1		0.2		a 0.2	2.7	
	148.9	1.96	2.28	2.66	144.72	86.4	53.9	7.7	7.7	14.1	35.3	51.1
MEAN	4.77	0.07	0.07	0.09	5.17	2.78	1.80	0.25	0.25	0.45	1.14	1.70
ACRE-FEET	293.	3.9	4.5	5.3	287.	171.	107.	15.	15.	28.	70.	101.

Remarks:

YEAR OR PERIOD MEAN 1.52
ACRE-FEET 1100.

STATION F218-R

SAN DIMAS WASH below Puddingstone Diversion Dam

LOCATION: LAT. 34°07'52", LONG. 117°46'58", ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF ZERO GAGE HEIGHT, 1126.86 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES. 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - 3 FEET X 3 FEET SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1959 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. SPILLWAY DISCHARGE ENTERS WASH BELOW THE STATION. PUDDINGSTONE CHANNEL DIVERTS FLOW TO PUDDINGSTONE DAM. INFLOW TO PUDDINGSTONE DIVERSION DAM IS REGULATED BY SAN DIMAS DAM. SAN DIMAS WATER COMPANY AND SAN DIMAS LAND AND WATER COMPANY DIVERTS WATER BELOW SAN DIMAS DAM FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1963. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 43 SECOND-FEET APRIL 6.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 16 SECOND-FEET OCTOBER 25.
MINIMUM NO FLOW MOST OF YEAR.
1945-63
MAXIMUM 43 SECOND-FEET APRIL 6, 1962.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: EXCELLENT.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS CREEK below Puddingstone Diversion Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.0	0	0	0	0	0	0	0	0	0
2	0	0	0.3	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	0.1	0	0	0	0.6	0	0	0	0	0
6	0	0	0	0	0	0	0.4	0	0	0	0	0
7	0	0	0	0	0	0	0.2	0	0	0	0	0
8	0	0	0.3	0	0	0	0.3	0	0	0	0	0
9	0	0	0	0	0	0	0.3	0	0	0	0	0
10	0	0	0	0	0	0	b 0.6	0	0	0	0	0
11	0	0	0	0	0	0	0.6	0	0	0	0	0
12	0	0	0	0	0	0	0.6	0	0	0	0	0
13	0	0	0	0	0	0	0.6	0	0	0	0	0
14	0	0	0	0	0	0	0.6	0	0	0	0	0
15	0	0	0	0	0	0	b 0.6	0	0	0	0	0
16	0	0	0	0	0	0	0.5	0	0	0	0	0
17	0	0	0	0	0	0	0.3	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	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	1.0	0	0	0	0	0	0	0
22	0	0	0	0	0.8	0	0	0	0	0	0	0
23	0	0	0	0	0.5	0	0	0	0	0	0	0
24	0	0	0	0	0.6	0	0	0	0	0	0	0
25	0	1.8	0	0	0.4	0	0	0	0	0	0	0
26	0	2.9	0	0	0.2	0	0	0	0	0	0	0
27	0	2.9	0	0.5	0	0	0	0	0	0	0	0
28	0	1.9	0	+	0	0	0	0	0	0	0	0
29	0	3.4	0	0		0	0	0	0	0	0	0
30	0	0.7	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	13.6	1.7	0.5	3.5	0	6.3	0	0	0	0	0
MEAN	0	0.45	0.05	0.01	0.15	0	0.21	0	0	0	0	0
ACRE-FEET	0	27.	3.2	1.0	6.9	0	12.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 50.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F218-R

Daily discharge, in second-feet of SAN DIMAS WASH below Puddingstone Diversion Dam, for the year ending September 30, 19 63

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	5.8	0	0	0	0	0	0	0
11	0	0	0	0	3.3	0	0	0	0	0	0	0
12	0	0	0	0	2.6	0	0	0	0	0	0	0
13	0	0	0	0	5.0	0	0	0	0	0	0	0
14	0	0	0	0	8.0	0	0	0	0	0	0	0
15	0	0	0	0	4.6	0	3.0	0	0	0	0	0
16	0	0	0	0	1.9	0	3.9	0	0	0	0	0
17	0	0	0	0	1.9	0	0.8	0	0	0	0	0
18	0	0	0	0	3.6	0	0	0	0	0	0	0
19	0	0	0	0	4.3	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	2.8	0	0	0	0	0	0
22	0	0	0	0	0	6.8	0	0	0	0	0	0
23	0	0	0	0	0	6.4	0	0	0	0	0	0
24	0	0	0	0	0	6.0	0	0	0	0	0	0
25	6.8	0	0	0	0	5.4	0	0	0	0	0	0
26	9.7	0	0	0	0	4.6	5.7	0	0	0	0	0
27	2.5	0	0	0	0	4.2	7.3	0	0	0	0	0
28	0.5	0	0	0	0	4.1	2.4	0	0	0	0	0
29	0.5	0	0	0		4.2	4.5	0	0	0	0	0
30	1.3	0	0	0		3.5	2.9	0	0	0	0	0
31	1.2		0	0		2.2		0		0	0	
	22.5	0	0	0	41.0	50.2	30.5	0	0	0	0	0
MEAN	0.73	0	0	0	1.46	1.62	0.10	0	0	0	0	0
ACRE-FEET	45.	0	0	0	81.	100.	60.	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.39
ACRE-FEET 286.

STATION F209-R
SAN GABRIEL RIVER - WEST FORK below Cogswell Dam

LOCATION: LAT. 34°14'39", LONG. 117°57'25", ON THE LEFT (NORTHEAST) BANK OF THE WEST FORK OF THE SAN GABRIEL RIVER ABOUT SEVEN MILES ABOVE JUNCTION OF THE EAST AND WEST FORKS AND 0.5 MILE DOWNSTREAM FROM COGSWELL DAM. ELEVATION OF ZERO GAGE HEIGHT, 2083.37 FEET.

DRAINAGE AREA: 41.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS.
CONTROL - CONCRETE CONTROL WITH LOW FLOW NOTCH ABOUT 35 FEET BELOW THE STATION.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: 40.4 SQUARE MILES REGULATED BY COGSWELL DAM. 0.6 SQUARE MILES UNREGULATED.

DIVERSIONS: NONE.

RECORDS AVAILABLE: MAY 26, 1932 TO DECEMBER 8, 1933 STREAM MEASUREMENTS ONLY. RECORDER RECORDS DECEMBER 8, 1933 TO FEBRUARY 21, 1938; MARCH 10, 1938 TO MAY 30, 1938, AND JULY 8, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2370 SECOND-FEET FEBRUARY 11.
MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES, OCTOBER THROUGH JANUARY.
1962-63
MAXIMUM 53 SECOND-FEET OCTOBER 16.
MINIMUM 0.1 SECOND-FOOT VARIOUS DAYS.
1933-63
MAXIMUM 25,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM LESS THAN 0.1 SECOND-FOOT AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM COGSWELL DAM.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.1	0.2	0.2	0.3	116	4.6	6.2	11.9	24	33	30
2	0.6	0.1	8.3	0.2	0.3	113	4.7	6.5	11.9	24	33	30
3	0.7	0.1	1.5	0.2	0.3	111	4.9	6.5	11.9	24	33	30
4	0.7	0.1	0.4	0.1	0.3	111	4.9	6.5	11.9	24	33	34
5	0.7	0.1	0.2	0.1	0.3	109	4.9	6.5	11.9	24	33	41
6	0.7	5.3	0.2	0.1	0.3	78	4.9	6.5	11.9	23	33	41
7	0.7	0.1	0.2	0.1	0.4	60	4.9	6.2	11.9	23	33	41
8	0.6	0.1	0.2	0.1	4.9	26	4.7	6.2	11.9	23	33	41
9	0.6	0.1	0.2	0.2	10.1	4.2	4.7	6.2	11.9	23	33	40
10	0.6	0.1	0.2	0.2	9.0	4.0	5.1	6.2	11.9	23	33	40
11	0.6	0.1	0.2	0.2	1120	4.0	5.1	6.2	11.9	23	33	39
12	0.6	0.1	0.2	0.2	1810	3.6	5.1	6.2	12.0	23	33	38
13	0.6	0.1	0.2	0.2	512	3.6	5.1	6.2	12.9	24	33	38
14	0.6	0.1	0.2	0.2	462	3.4	5.1	6.5	12.9	33	33	40
15	0.6	0.1	0.2	0.2	454	3.4	5.1	6.7	12.9	32	33	44
16	0.6	0.1	0.2	0.2	427	3.4	5.3	6.7	12.9	35	31	43
17	0.6	0.1	0.2	0.2	441	3.6	5.3	6.7	12.9	27	33	43
18	0.6	0.1	0.2	0.2	316	3.8	5.6	6.7	12.6	26	33	43
19	0.7	0.1	0.2	0.2	188	3.8	5.6	6.7	12.6	28	33	42
20	0.7	1.3	0.2	2.2	188	4.0	5.6	6.5	12.6	33	33	42
21	0.7	0.2	0.2	0.4	191	3.8	5.6	6.5	12.6	33	32	42
22	0.7	0.1	0.2	0.7	191	3.8	5.6	6.2	12.6	33	32	41
23	0.8	0.1	0.2	0.6	168	3.8	5.6	6.2	12.6	33	32	41
24	0.6	0.1	0.2	0.4	131	3.7	5.8	6.2	12.6	33	32	42
25	0.7	1.0	0.2	0.3	122	3.7	5.8	6.2	12.6	34	32	42
26	0.7	0.2	0.2	0.3	120	3.8	5.8	6.2	12.6	34	32	42
27	0.7	0.1	0.2	0.3	118	3.8	5.8	6.2	15.9	34	32	41
28	0.7	0.1	0.2	0.3	116	4.0	6.0	6.2	25	33	31	41
29	0.7	0.1	0.2	0.3		4.0	6.0	9.6	24	33	30	41
30	1.60	0.1	0.2	0.3		4.2	6.2	12.2	24	33	29	41
31	14.0		0.2	0.3		4.4		11.9		33	30	
	1932	10.5	15.8	9.7	71012	811.8	1594	212.2	409.7	885.0	1002.0	1194.0
MEAN	6.23	0.35	0.51	0.31	254.	26.2	5.31	6.85	13.7	28.5	32.3	39.8
ACRE-FEET	383.	21.	31.	19.	14100	1610	316.	421.	813.	1760.	1990.	2370.

Remarks:

YEAR OR PERIOD MEAN 32.9
ACRE-FEET 23800.

T6D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F209-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Cogswell Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	0.2	0.2	0.2	0.4	0.6	0.9	0.8	19.9	16.4	0.1	0.6
2	42	0.2	0.2	0.2	0.4	0.6	0.9	0.9	19.9	16.4	0.1	0.6
3	43	0.2	0.2	0.2	0.4	0.6	0.9	1.0	19.9	16.4	0.1	0.6
4	42	0.2	0.2	0.2	0.3	0.6	0.9	1.0	19.9	16.0	0.1	0.2
5	44	0.2	0.2	0.2	0.6	0.6	1.0	1.0	19.9	16.0	0.1	0.1
6	47	0.2	0.2	0.2	0.2	0.6	1.0	1.0	19.9	16.0	0.1	0.1
7	47	0.2	0.2	0.2	0.2	0.6	1.0	1.0	19.9	16.4	0.1	0.1
8	46	0.2	0.2	0.2	0.2	0.6	0.9	1.0	19.9	17.3	0.1	0.1
9	46	0.2	0.2	0.2	6.8	0.6	0.9	0.8	19.9	16.8	0.1	0.1
10	46	0.2	0.2	0.2	2.9	0.6	1.0	0.8	19.9	16.8	0.1	0.1
11	45	0.1	0.2	0.2	0.6	0.7	0.9	0.7	19.4	16.8	0.1	0.1
12	45	0.1	0.2	0.2	0.7	0.7	0.9	0.7	19.4	16.8	0.1	0.1
13	44	0.1	0.2	0.2	0.7	0.7	0.9	10.4	17.6	16.8	0.2	0.1
14	44	0.1	0.2	0.2	0.6	0.7	1.0	16.4	19.0	16.8	0.6	0.1
15	43	0.2	0.2	0.2	0.6	0.7	1.0	16.4	18.5	16.4	0.8	0.1
16	37	0.2	0.2	0.2	0.6	0.8	1.0	16.4	18.1	19.4	0.5	0.1
17	42	0.2	0.2	0.2	0.6	0.9	1.0	16.4	17.6	19.4	0.1	0.1
18	42	0.3	0.2	0.2	0.6	0.9	0.9	16.4	17.6	19.4	0.2	0.3
19	41	0.2	0.2	0.2	0.6	0.8	0.9	16.0	17.2	19.4	0.6	0.3
20	40	0.2	0.2	0.2	0.6	0.7	1.0	16.0	17.2	19.4	0.6	0.2
21	39	0.2	0.2	0.2	0.6	0.7	1.2	15.6	17.2	19.4	0.7	0.1
22	29	0.2	0.2	0.2	0.6	0.7	1.0	15.6	17.2	19.0	0.7	0.1
23	0.2	0.2	0.2	0.2	0.6	0.7	1.0	15.6	17.2	19.0	0.8	0.1
24	0.2	0.2	0.2	0.2	0.6	0.8	0.9	15.6	17.2	18.5	0.8	0.1
25	0.2	0.2	0.2	0.2	0.6	0.8	0.9	15.6	16.8	18.1	0.7	0.1
26	0.2	0.2	0.2	0.2	0.6	0.8	1.3	16.0	16.8	18.1	0.6	0.1
27	0.2	0.2	0.2	0.2	0.7	0.9	0.9	15.6	16.8	17.6	0.5	0.1
28	0.2	0.2	0.2	0.3	0.7	1.2	0.9	18.5	16.8	17.2	0.5	0.1
29	0.2	0.2	0.2	0.3		0.9	0.8	19.9	16.8	9.6	0.3	0.1
30	0.2	0.2	0.2	0.3		0.9	0.8	19.9	16.8	0.1	0.7	0.1
31	0.2		0.2	0.4		0.9		19.9		0.1	0.6	
	936.8	5.7	6.2	6.7	23.8	22.9	28.6	322.9	550.2	501.8	11.7	5.1
MEAN	30.2	0.19	0.20	0.22	0.85	0.74	0.95	10.4	18.3	16.2	0.38	0.17
ACRE-FEET	1850.	11.	12.	13.	47.	46.	57.	640.	1090.	995.	23.	10.

Remarks:

YEAR OR PERIOD MEAN 6.63
ACRE-FEET 4800.

STATION P3-R
SAN GABRIEL RIVER - WEST FORK above Forks

LOCATION: LAT. 34°14'30", LONG. 117°51'45", ON THE RIGHT (SOUTH) BANK, 0.2 MILE ABOVE RINCON RANGER STATION, 1.5 MILES ABOVE EAST FORK AND ABOUT 13.5 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1474.94 FEET.

DRAINAGE AREA: 102 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS.
CONTROL - CONCRETE DIP CROSSING ABOUT 100 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 75 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1963 FOR RECORDS PRIOR TO DECEMBER 3, 1930 AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER - WEST FORK 0.5 MILE ABOVE FORKS. RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938 ARE FROM STATION P38-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7830 SECOND-FEET FEBRUARY 11.
MINIMUM 1.5 SECOND-FEET SEPTEMBER 10.
1962-63
MAXIMUM 2010 SECOND-FEET FEBRUARY 9.
MINIMUM 1.9 SECOND FEET SEPTEMBER 11.
1930-63 (STATIONS P1-R, P3-R, P38-R).
MAXIMUM 34,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM 0.3 SECOND-FOOT OCTOBER 17, 1931.

ACCURACY: GOOD.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THIS STATION WAS LATER TAKEN OVER, RECONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BOARD.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. P3-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	44	82	v 11	v 17	243	78	47	39	41	43	37
2	17	35	503	10	17	237	78	45	37	42	43	37
3	17	33	110	10	17	234	78	44	38	41	43	37
4	15	31	45	96	16	231	78	43	38	40	43	39
5	17	25	29	95	v 16	231	76	42	38	38	42	49
6	17	12	20	94	15	236	74	42	37	38	42	48
7	21	44	18	93	17	196	72	42	37	38	42	49
8	23	31	v 17	92	212	158	71	42	36	38	42	49
9	25	27	v 16	92	542	119	71	41	36	39	42	49
10	25	27	v 15	91	589	113	70	41	36	38	42	49
11	27	25	14	90	3800	106	67	41	36	38	41	49
12	25	23	v 14	90	3070	100	66	41	36	38	40	49
13	19	21	13	10	1090	96	63	41	38	37	40	49
14	19	25	13	90	815	96	61	46	40	45	40	50
15	19	25	13	v 88	819	95	59	45	41	45	41	52
16	19	27	12	87	715	94	56	49	39	49	39	51
17	19	27	11	84	617	91	56	43	37	41	42	50
18	21	29	10	91	536	91	56	41	34	40	42	49
19	21	29	99	v 91	518	89	57	39	34	40	42	48
20	23	25	96	103	452	88	56	41	34	45	42	47
21	27	11	93	v 32	414	83	53	40	33	44	42	47
22	29	69	97	28	387	85	53	39	33	43	41	47
23	29	62	10	27	374	85	51	38	33	43	40	48
24	29	56	10	24	353	82	51	39	33	43	39	48
25	29	22	11	20	324	80	52	39	33	42	38	49
26	29	19	11	20	297	79	50	39	32	42	39	50
27	31	11	12	20	280	80	50	40	42	42	38	50
28	31	84	12	20	259	82	50	39	42	43	37	50
29	31	69	12	20		85	51	39	42	43	38	50
30	112	72	11	19		85	49	42	42	44	38	49
31	49		v 11	v 18		80		40		43	38	
	2283		10197	16578.0		18530		11060		12610		
		1940		5284	3850.0		1290.0		1283.0		1425.0	
MEAN	7.36	6.47	32.9	17.0	592.	124.	61.8	41.6	36.9	41.4	40.7	47.5
ACRE-FEET	453.	385.	2020.	1050.	32880.	7640.	3680.	2560.	2190.	2540.	2500.	2830.

Remarks:

YEAR OR PERIOD MEAN 83.9
ACRE-FEET 60,730.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

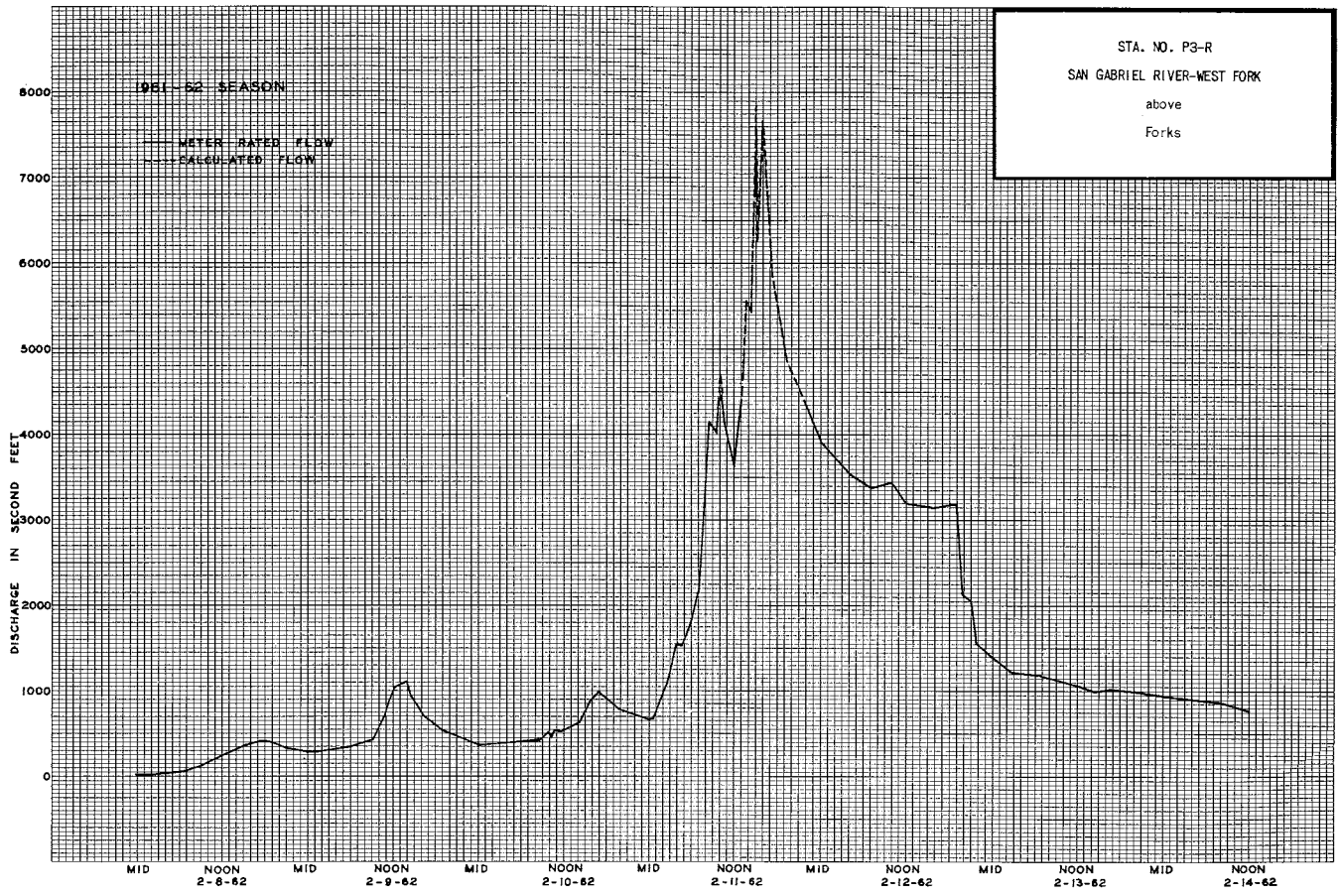
Sta. No. P3-R

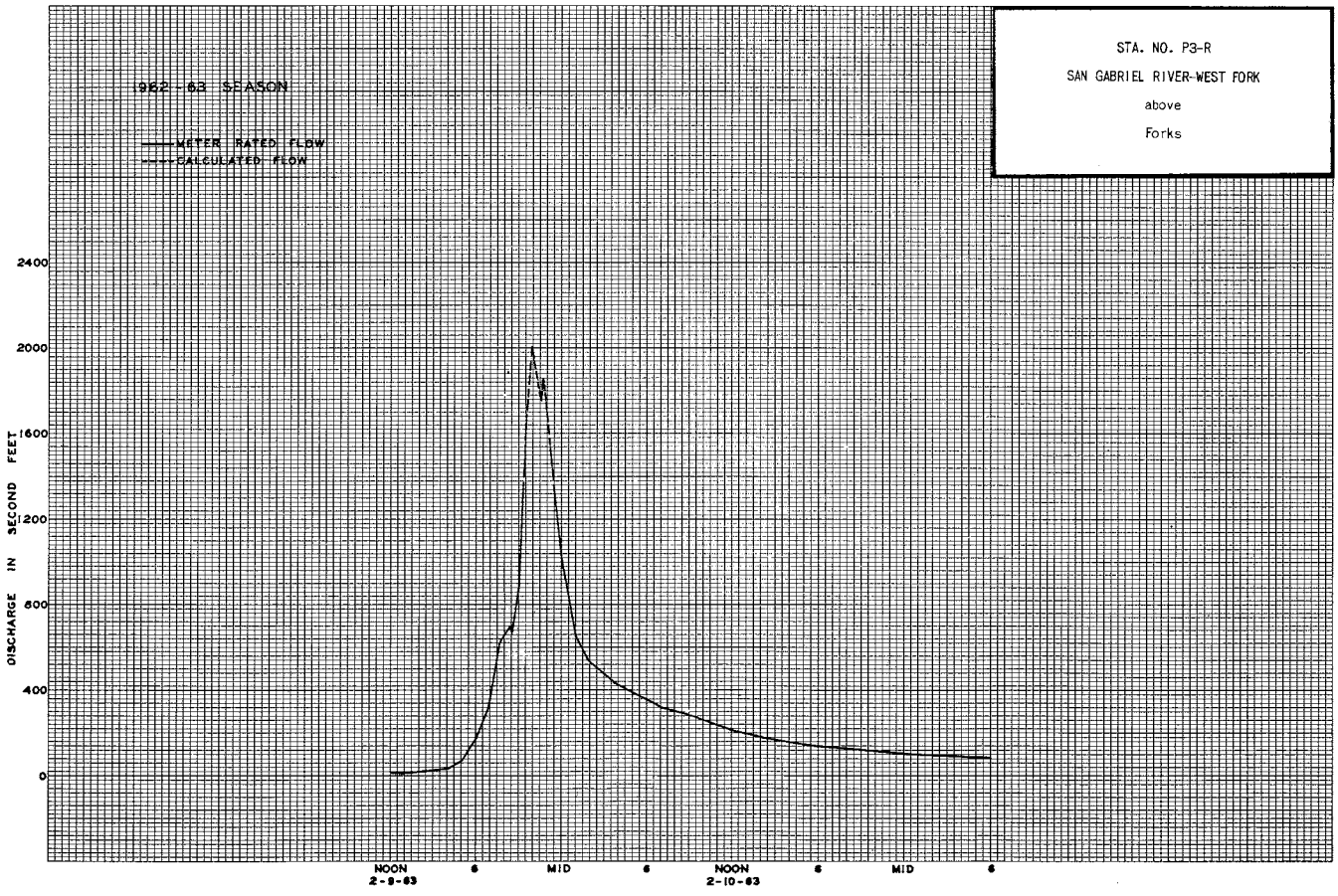
Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	84	98	12	17	15	19	20	30	23	47	33
2	50	84	10	12	15	15	18	20	30	23	47	33
3	51	84	98	12	14	14	18	20	30	22	44	31
4	51	84	98	12	13	14	17	19	30	21	41	52
5	52	87	98	12	12	14	17	18	31	22	38	56
6	56	87	98	11	12	15	16	17	32	22	41	38
7	56	87	98	11	11	15	17	17	31	22	44	35
8	56	87	98	11	11	14	17	16	31	22	44	29
9	56	87	95	11	276	14	17	16	30	21	41	27
10	56	91	95	12	273	14	17	16	30	21	38	25
11	55	91	95	12	71	14	16	16	30	20	38	25
12	55	95	98	12	45	14	16	16	30	20	35	27
13	53	98	98	12	34	14	15	19	29	20	33	29
14	53	10	98	12	30	14	18	30	28	20	31	27
15	52	10	98	12	27	15	18	30	27	18	31	29
16	47	10	10	12	25	17	16	29	25	21	31	31
17	50	98	11	12	23	26	16	29	25	21	31	56
18	49	98	11	12	21	21	16	29	25	21	31	16
19	48	95	11	12	21	20	16	29	25	21	29	54
20	47	95	10	11	21	18	18	29	25	21	29	20
21	47	95	10	11	20	18	28	29	25	21	31	14
22	44	95	10	11	20	17	21	29	25	22	35	11
23	15	98	10	11	18	19	19	29	25	21	38	84
24	95	98	11	11	17	17	18	29	25	21	38	76
25	87	10	11	11	17	16	18	28	25	21	35	72
26	87	98	11	11	16	16	32	27	24	21	35	65
27	87	98	11	11	16	15	25	27	23	20	33	62
28	87	98	11	11	16	27	24	29	23	20	31	59
29	87	10	11	11		24	21	32	23	18	31	53
30	87	98	11	12		21	20	31	23	75	33	50
31	84		11	16		20		31		50	33	
	12181		3173	11120		5270	5640		8150		1117	
		2810		3620				7560		6195		2254
MEAN	39.3	9.37	10.2	11.7	39.7	17.0	18.8	24.4	27.2	20.0	3.60	7.51
ACRE-FEET	2420.	557.	629.	718.	2210.	1050.	1120.	1500.	1620.	1230.	222.	447.

Remarks:

YEAR OR PERIOD MEAN 18.9
ACRE-FEET 13,720.


STA. NO. P3-R
SAN GABRIEL RIVER-WEST FORK
above
Forks
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
8000
7000
6000
5000
4000
3000
2000
1000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-13-62
MID
NOON
2-14-62


STA. NO. P3-R
SAN GABRIEL RIVER-WEST FORK
above
Forks
1962-63 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
2400
2000
1600
1200
800
400
0
NOON
2-9-63
6
MID
6
NOON
2-10-63
6
MID
6

STATION P4B-R
SAN GABRIEL RIVER - EAST FORK above Forks

LOCATION: LAT. 34°14'09", LONG. 117°48'18", ON THE RIGHT (NORTH) BANK ABOVE THE HIGH WATER LINE OF SAN GABRIEL DAM, 2.5 MILES ABOVE THE WEST FORK AND 8 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1567.04 FEET. FORMER STATION P4-R WAS ABOUT 0.6 MILE DOWNSTREAM.

DRAINAGE: 88.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS.
CONTROL - A CONCRETE CONTROL WITH A 20-FOOT LOW FLOW NOTCH WAS CONSTRUCTED IN NOVEMBER 1947. CONTROL HEIGHT INCREASED 2.0 FEET SEPTEMBER 1955.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R, NOVEMBER 30, 1932 TO SEPTEMBER 30, 1961.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 3600 SECOND-FEET FEBRUARY 11.
MINIMUM 2.3 SECOND-FEET OCTOBER 4 TO 6.
1962-63
MAXIMUM 607 SECOND-FEET FEBRUARY 9.
MINIMUM 4.5 SECOND-FEET SEPTEMBER 11.
1932-63
MAXIMUM 46,000 SECOND-FEET MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY).
MINIMUM 1.6 SECOND-FEET SEPTEMBER 4, 1961.
NOTE - MINIMUM FLOW OF RECORD AS PREVIOUSLY SHOWN, (1.5 SECOND-FEET ON OCTOBER 1, 1934) WAS FOUND TO BE IN ERROR. MINIMUM FLOW PRIOR TO 1960-61 WAS 1.7 SECOND-FEET AT VARIOUS TIMES IN SEPTEMBER, 1951.

ACCURACY: LOW FLOWS - GOOD; HIGH FLOWS - FAIR.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THE STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCHES.

TEDTYCM Gib 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	4.0	11	15	28	168	144	105	59	41	27	19
2	2.9	4.2	345	15	28	161	148	100	58	39	27	19
3	2.4	4.2	102	15	28	159	150	96	59	39	27	18
4	2.3	4.2	51	15	28	152	146	96	60	38	26	18
5	2.3	4.0	38	15	27	154	148	94	58	37	25	18
6	2.3	3.4	36	17	27	172	154	93	55	37	25	18
7	2.9	3.4	33	15	29	164	156	93	53	36	25	18
8	3.4	3.7	28	15	206	159	159	90	51	35	25	19
9	3.4	4.0	27	15	520	158	166	88	51	34	25	18
10	3.7	4.2	25	15	468	152	161	88	51	34	25	18
11	3.4	4.2	23	16	1760	148	154	87	50	34	25	18
12	3.4	4.0	22	16	1100	146	148	85	49	35	e 23	18
13	2.9	3.7	22	17	596	142	148	83	50	36	e 23	18
14	2.7	4.2	22	15	479	135	148	91	53	34	22	17
15	2.7	4.5	21	15	502	133	144	85	54	32	21	17
16	2.7	4.5	20	16	461	129	139	85	53	31	21	16
17	2.9	4.7	19	15	418	127	135	83	48	31	21	15
18	2.9	4.7	17	15	363	131	133	76	46	31	21	15
19	2.9	5.4	17	15	376	133	129	75	45	32	21	14
20	3.2	37	16	79	350	129	131	72	45	32	21	14
21	3.4	22	16	38	345	127	127	69	45	31	21	15
22	3.7	11	16	30	268	130	121	66	45	30	21	15
23	3.7	10	16	30	254	127	119	66	42	29	21	14
24	3.7	10	16	27	259	117	117	66	41	30	20	15
25	3.7	16	16	24	235	113	121	66	42	30	20	16
26	3.7	17	16	24	205	115	117	64	42	29	20	16
27	3.7	14	16	23	186	123	113	64	40	29	20	17
28	3.7	12	16	24	173	131	117	64	40	27	20	17
29	4.0	11	15	25		137	119	61	42	27	20	17
30	4.0	10	15	27		142	113	60	42	27	20	16
31	4.0		15	28		142		60		27	20	
	995	2492	10680	671.0	97990	4356.0	4125.0	2471.0	1469.0	1014.0	699.0	503.0
MEAN	3.21	8.31	34.4	21.6	350.0	140.5	137.5	79.7	49.0	32.7	22.5	16.8
ACRE-FEET	197.	494.	2120.	1330.	19440.	8640.	8180.	4900.	2910.	2010.	1390.	1000.

Remarks:

YEAR OR PERIOD MEAN 72.7
ACRE-FEET 52610.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

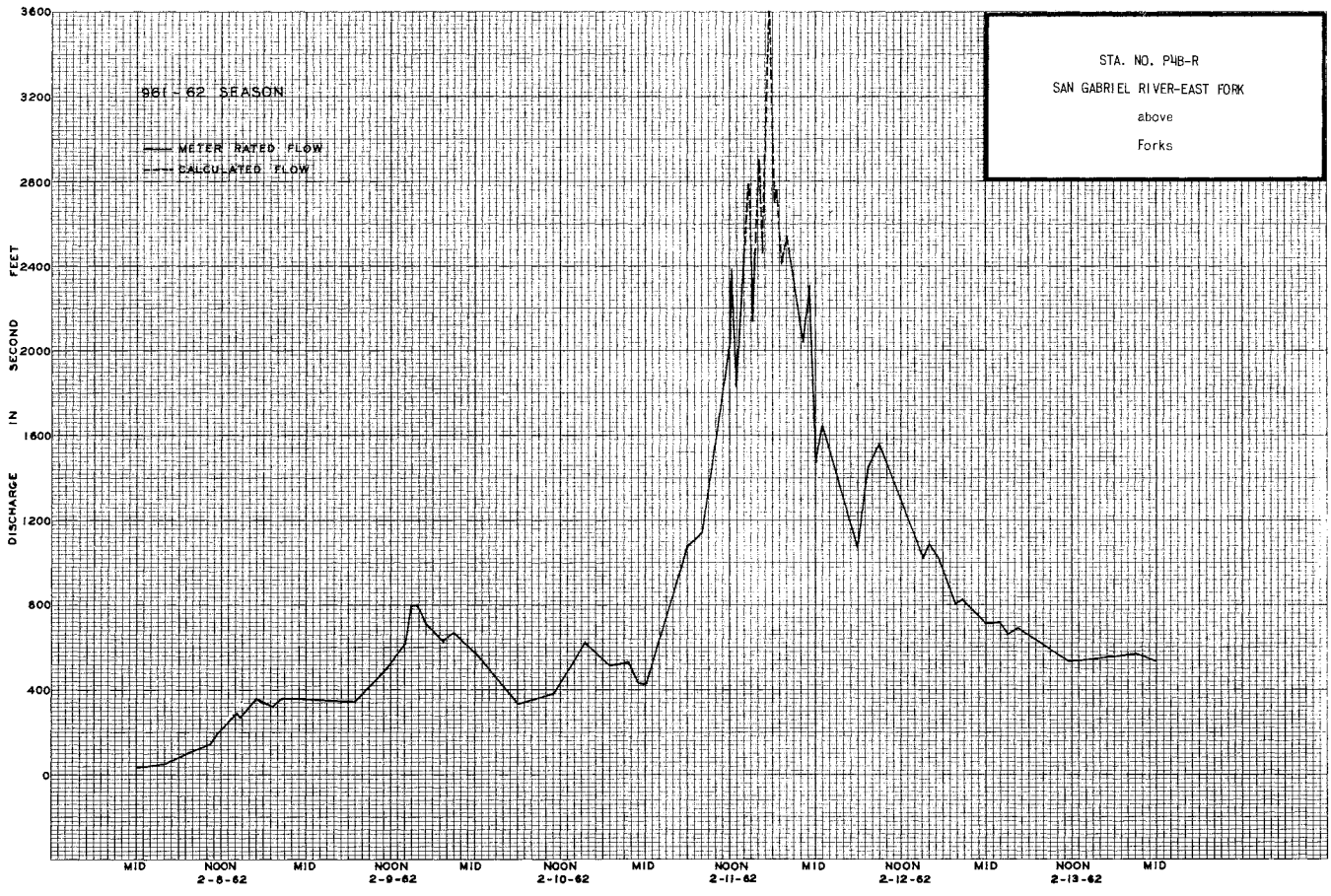
Sta. No. P4B-R

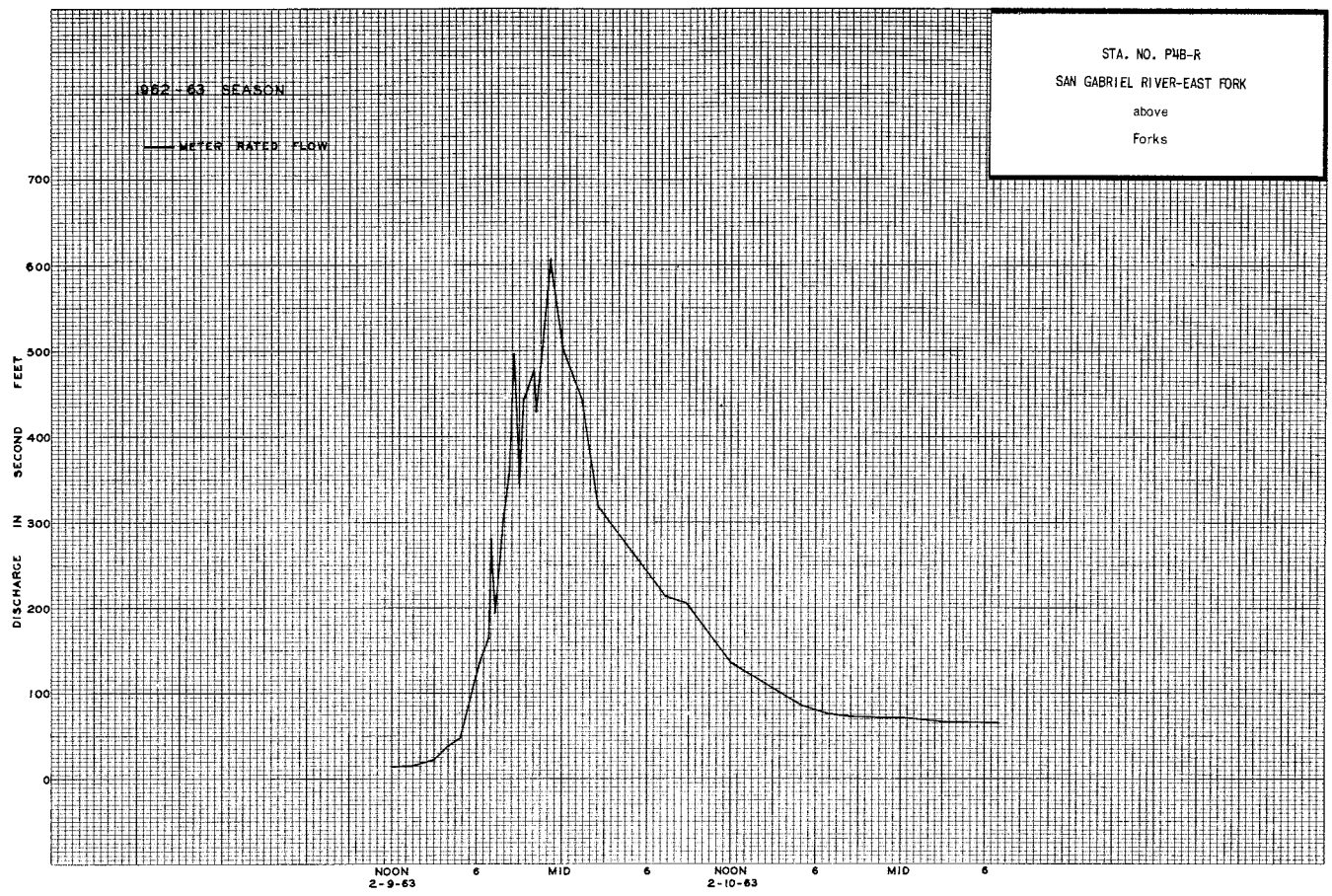
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	15	15	15	17	20	26	36	21	12	6.7	5.9
2	15	15	15	15	16	20	25	36	20	12	7.2	5.4
3	16	14	15	15	16	20	24	36	20	12	6.7	5.4
4	17	14	15	15	15	20	24	35	19	f 12	6.3	6.3
5	17	14	15	15	15	20	23	33	20	c 11	6.3	7.2
6	17	14	15	14	15	20	22	32	21	f 11	6.3	6.3
7	17	14	15	14	14	20	22	32	20	11	6.3	5.9
8	16	14	15	14	14	20	23	31	20	11	7.6	5.4
9	15	14	15	15	112	20	23	31	20	10	7.6	5.4
10	15	14	14	15	186	20	23	31	20	10	7.6	5.4
11	15	14	14	15	61	19	23	30	20	10	7.2	5.0
12	15	14	14	15	46	19	21	29	20	9.9	6.3	4.7
13	15	14	14	15	38	20	20	28	18	9.3	6.3	4.7
14	16	15	14	15	36	20	22	27	17	8.9	5.9	5.0
15	17	15	14	14	33	20	25	27	16	8.9	5.4	5.4
16	16	15	14	14	31	23	25	26	15	8.9	6.7	5.9
17	16	15	14	14	29	28	25	24	14	8.4	6.7	9.4
18	18	15	14	14	28	23	25	24	14	8.0	6.7	20
19	18	14	14	14	26	22	24	23	15	8.0	6.7	56
20	17	14	14	14	25	21	26	22	15	8.0	6.7	30
21	16	14	15	14	24	21	35	23	16	7.2	6.3	23
22	15	14	15	14	23	21	26	24	17	7.5	6.3	19
23	15	14	15	14	22	22	25	24	16	7.6	6.3	18
24	15	14	15	13	22	22	25	23	15	7.2	6.3	16
25	15	14	15	13	21	21	26	23	14	7.2	5.9	15
26	15	14	15	14	21	20	40	23	14	6.7	5.9	13
27	14	14	15	14	20	20	33	23	14	6.3	5.4	12
28	14	14	15	14	20	30	32	23	14	5.9	5.4	12
29	14	14	15	14		27	33	22	14	5.9	5.4	12
30	14	14	15	14		26	34	22	12	6.3	5.9	11
31	14		15	16		26		22		6.3	5.9	
	484.0	427.0	454.0	445.0	946.0	671.0	780.0	845.0	511.0	274.4	198.2	355.7
MEAN	15.6	14.2	14.6	14.4	33.8	21.6	26.0	27.2	17.0	8.85	6.39	11.9
ACRE-FEET	960.	847.	900.	883.	1880.	1330.	1550.	1680.	1010.	544.	393.	706.

Remarks:

YEAR OR PERIOD MEAN 17.5
ACRE-FEET 12,680.





STATION F250-R
SAN GABRIEL - AZUSA CONDUIT
at Weir below San Gabriel Dam

LOCATION: LAT. 34°12'15", LONG. 117°51'18", ON THE LEFT (EAST) SIDE OF THE SANDBOX ON AZUSA CONDUIT, 12 FEET ABOVE THE 25-FOOT WEIR AND APPROXIMATELY 100 FEET BELOW THE 30-FOOT OUTLET TUNNEL AT SAN GABRIEL DAM. APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION 220-R.

CHANNEL AND CONTROL: CHANNEL - CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL. A SECONDARY BOX WITH A TAINTOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL - A 25-FOOT, SHARP-CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250-R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT AND/OR FLOW SPILLED INTO MORRIS RESERVOIR.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: THE FLOW OF THE SAN GABRIEL RIVER, AVAILABLE AT SAN GABRIEL DAM, IS PARTIALLY REGULATED BY COGSWELL DAM, AND THE ENTIRE FLOW INTO THE SANDBOX IS REGULATED BY VALVE DISCHARGE FROM SAN GABRIEL DAM.

RECORDS AVAILABLE: FEBRUARY 14, 1935 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE: FLOW IS ENTIRELY REGULATED BY VALVE RELEASE. CAPACITY OF SANDBOX IS APPROXIMATELY 165 SECOND-FEET. CAPACITY OF 25-FOOT WEIR IS ABOUT 142 SECOND-FEET. CAPACITY OF THE AZUSA CONDUIT IS APPROXIMATELY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

REMARKS: STATION F250-R IS A RECORD OF DISCHARGES FROM SAN GABRIEL DAM THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R.)

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below San Gabriel Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.3	e 0.02	10.7	9.8	50	85	85	82	82	82	82	82
2	0.3	e 0.02	5.0	9.8	50	86	85	82	82	82	82	82
3	0.3	0	0.02	23	50	85	85	82	82	82	82	82
4	0.3	0	0.02	30	50	84	85	82	82	81	82	82
5	0.3	0	0.02	30	50	84	85	82	82	82	82	82
6	e 0.1	0	9.2	30	50	84	85	82	82	82	82	83
7	0	0	34	30	50	85	85	82	82	82	82	83
8	0	0	45	30	50	85	85	82	82	82	82	82
9	0	0	45	30	52	85	85	83	82	82	82	82
10	0	0	45	30	65	85	85	82	82	82	82	82
11	0	0	45	30	47	85	85	82	82	81	82	82
12	0	0	45	30	0.4	86	85	82	82	82	82	82
13	0	0	45	30	0	85	85	82	82	82	82	81
14	0	0	45	30	0	86	85	81	82	82	82	82
15	0	0	45	30	0	86	85	79	82	82	82	83
16	0	0	45	30	0	86	85	77	82	82	82	83
17	0	0	45	30	0	85	84	80	82	82	82	82
18	0	0	42	30	0	85	82	82	82	82	82	82
19	0	0	40	30	52.0	66	82	82	82	82	82	82
20	0	0	40	30	82	85	82	82	82	82	82	82
21	0	0	40	30	80	85	82	82	82	81	82	82
22	0	0	22	30	80	85	82	82	82	81	82	82
23	0	0	9.8	30	80	85	82	82	82	82	82	81
24	0	1.4	9.8	44	80	85	82	82	82	82	82	82
25	0	3.0	9.8	50	79	86	78	82	82	82	82	82
26	0	3.0	9.8	50	69	85	78	82	82	82	82	82
27	0	1.0	9.8	50	83	85	82	82	82	82	82	82
28	0	0	9.8	50	85	85	82	82	82	82	82	82
29	0	7.2	9.6	50		85	82	82	82	82	75	83
30	0	10.7	9.8	50		85	82	83	82	82	82	82
31	+		9.8	50		85		83		82	81	
	1.6	781.2		1334.4		2502.0		2460.0			2534.0	
	26.3		1036.6		2619.0		2534.0		2538.0			2463.0
MEAN	0.05	0.88	25.2	33.4	47.7	84.5	83.4	81.7	82.0	81.9	81.7	82.1
ACRE-FEET	3.2	52.	1550.	2060.	2650.	5190.	4960.	5030.	4880.	5030.	5030.	4890.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 57.1
ACRE-FEET 41330.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F250-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Weir below Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	25	23	23	23	20	37	37	37	36	37	37
2	82	25	23	23	23	20	37	37	37	37	37	37
3	82	25	23	23	23	20	37	37	37	37	37	37
4	82	25	23	23	23	20	37	37	37	37	37	37
5	82	25	23	23	24	20	37	37	37	37	37	37
6	82	25	23	23	13.1	20	37	37	37	37	37	37
7	82	25	23	23	8.0	20	37	37	37	37	37	37
8	82	25	23	23	8.0	19.0	37	37	37	37	37	37
9	82	25	23	23	8.1	14.7	37	37	37	37	37	29
10	82	25	23	23	3.1	14.8	37	37	37	37	37	25
11	82	25	23	23	0.05	26	37	37	37	37	37	25
12	82	25	23	23	0.05	37	37	37	37	37	36	25
13	82	25	23	23	0.05	37	37	37	37	37	37	25
14	82	25	23	23	0.05	37	37	37	37	37	37	25
15	82	25	23	23	0.05	37	37	37	37	37	37	25
16	82	25	23	23	0.05	37	37	37	37	37	37	25
17	82	25	23	23	0.05	37	37	37	37	37	37	25
18	82	25	23	23	0.05	37	37	37	37	37	37	25
19	82	25	23	23	0.05	37	37	37	37	37	37	25
20	82	24	23	23	0.05	37	37	37	37	37	37	25
21	82	23	23	23	10.1	37	37	37	37	37	37	25
22	82	23	23	23	30	37	37	37	37	37	37	25
23	82	23	23	23	30	37	37	37	37	37	37	25
24	82	23	23	23	30	37	37	37	37	37	37	25
25	82	23	23	23	24	37	37	37	36	37	37	33
26	82	23	23	24	20	37	37	37	36	37	37	37
27	82	23	23	24	20	37	37	37	36	37	37	37
28	62	23	23	24	20	37	37	37	36	37	37	37
29	25	23	23	24		37	37	37	36	37	37	37
30	25	22	23	24		37	37	37	36	37	37	37
31	25		23	24		37		37		37	37	
	2351.0	728.0	713.0	719.0	340.90	954.5	1110.0	1147.0	1104.0	1146.0	1146.0	918.0
MEAN	75.8	24.3	23.0	23.2	12.2	30.8	37.0	37.0	36.8	37.0	37.0	30.6
ACRE-FEET	4660.	1440.	1410.	1430.	676.	1890.	2200.	2280.	2190.	2270.	2270.	1820.

Remarks:

YEAR OR PERIOD MEAN 33.9
ACRE-FEET 24,540.

STATION F220-R
SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon

LOCATION: 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 AT SAN GABRIEL DAM. THE STATION IS ABOUT 0.8 MILE BELOW SAN GABRIEL DAM AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25-FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R. FLOW WHICH REACHES STATION F220-R MAY BE BY-PASSED AROUND THE 25-FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1963. (SEE REMARKS)

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM. APPROXIMATE CAPACITY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM.

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

FD 74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	a 0.3	+	11.0	9.9	50	a 85	85	82	83	82	82	83
2	0.3	5.4	9.9	50	a 86	85	82	83	82	82	82	84
3	0.3	+	23	50	86	85	83	83	82	82	82	84
4	0.3	+	30	50	85	85	83	83	82	82	82	84
5	0.3	+	+	30	50	86	84	83	83	82	82	84
6	a 0.1	0	7.8	30	50	86	a 85	83	83	83	82	84
7	0	0	33	30	50	86	85	83	83	82	82	84
8	0	0	45	30	50	86	85	83	83	83	82	83
9	0	0	45	30	52	86	85	83	83	83	82	83
10	0	0	45	30	65	86	85	82	83	82	82	83
11	0	0	45	30	50	86	85	82	83	82	82	82
12	0	0	45	30	39	86	85	82	83	82	82	82
13	0	0	45	30	0.6	86	85	82	82	82	83	82
14	0	0	45	30	0.4	86	85	81	82	82	83	82
15	0	0	45	30	0.2	86	85	79	82	82	83	82
16	0	0	45	30	0.2	86	85	77	82	82	83	82
17	0	0	45	30	0.2	86	84	81	82	82	83	82
18	0	0	42	30	0.2	86	82	83	82	82	84	82
19	0	0	40	30	51	64	82	83	82	82	84	82
20	0	0	40	31	81	85	a 82	83	82	82	83	82
21	0	0	40	31	80	85	82	83	82	82	84	82
22	0	0	23	31	a 80	85	82	83	82	82	83	82
23	0	0	9.9	31	80	85	82	83	82	82	83	82
24	0	1.1	9.9	44	80	85	82	83	82	82	83	82
25	0	3.0	9.9	51	79	86	77	83	82	82	83	82
26	0	3.0	9.9	51	69	85	77	83	82	83	83	82
27	0	1.1	9.9	51	83	85	82	83	82	82	82	82
28	0	+	9.9	51	a 85	84	82	83	82	82	82	83
29	0	7.1	9.9	50		84	82	83	82	82	76	83
30	0	11.0	9.9	50		84	82	83	82	82	82	83
31			9.9	50		85		83		82	81	
	1.6	263	7813	1044.8	1375.8	2628.0	2499.0	2553.0	2472.0	2546.0	2552.0	2479.0
MEAN	0.05	0.88	25.2	33.7	49.1	84.8	83.3	82.4	82.4	82.1	82.3	82.6
ACRE-FEET	3.2	52.	1550.	2070.	2730.	5210.	4960.	5060.	4900.	5050.	5060.	4920.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 57.4
ACRE-FEET 41570.

7ED74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F220-R

Daily discharge, in second-feet of SAN GABRIEL - AZUSA CONDUIT at Garcia Canyon, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83	25	23	23	23	0	37	37	37	37	37	37
2	83	25	23	23	23	0	37	37	38	37	37	37
3	83	25	23	23	23	0	37	37	38	37	37	37
4	83	25	23	23	23	0	37	37	38	37	37	37
5	83	25	23	23	23	0	37	37	38	37	37	37
6	83	25	23	23	13.4	0	37	37	37	37	37	37
7	83	25	23	23	8.0	0	37	37	37	37	37	37
8	83	25	23	23	8.2	10.0	37	37	37	37	37	37
9	82	25	23	23	8.2	14.7	37	37	37	37	37	29
10	82	25	23	24	3.6	14.7	37	37	37	37	37	25
11	82	25	23	24	e 0.2	26	37	37	37	37	37	25
12	82	25	23	24	0.2	37	37	37	37	37	37	25
13	82	25	23	23	0.2	37	37	37	37	37	37	25
14	82	25	23	23	0.2	37	37	37	37	37	37	25
15	82	25	23	23	0.2	37	37	37	37	37	37	25
16	82	25	23	23	0.2	37	37	37	37	37	37	25
17	82	25	23	23	0.1	37	37	37	37	37	37	25
18	82	25	23	23	0.1	37	37	37	37	37	37	25
19	82	25	23	23	0.1	37	37	37	37	37	37	25
20	82	24	23	23	0.1	37	37	37	37	37	37	25
21	82	23	23	23	e 0.1	37	37	37	37	37	37	25
22	82	23	23	23	+	37	37	37	37	37	37	25
23	82	23	23	23	0	37	37	37	38	37	37	25
24	82	23	23	23	0	37	37	37	37	37	37	25
25	81	23	23	23	0	37	37	37	36	37	37	33
26	82	23	23	23	0	37	37	37	36	37	37	37
27	82	23	23	23	0	37	37	37	36	37	37	37
28	63	23	23	23	0	37	37	37	36	37	37	37
29	25	23	23	23		37	37	37	36	37	37	37
30	25	23	23	23		37	37	37	36	37	37	37
31	25		23	23		37		37		37	37	
	2359.0	729.0	713.0	716.0	158.1	805.4	1110.0	1147.0	1109.0	1147.0	1147.0	918.0
MEAN	76.1	24.3	23.0	23.1	5.65	26.0	37.0	37.0	37.0	37.0	37.0	30.6
ACRE-FEET	4680.	1450.	1410.	1420.	314.	1600.	2200.	2280.	2200.	2280.	2280.	1820.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 33.0
ACRE-FEET 23,930.

STATION U8-R
SAN GABRIEL RIVER below Morris Dam

LOCATION: LAT. 34°10'11", LONG. 117°53'16", IN SW 1/4, NW 1/4, SW 1/4, SEC. 13, T1N, R10W, ON RIGHT BANK, 1.1 MILES DOWNSTREAM FROM MORRIS DAM AND 2.7 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.59 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: MAY 1894 TO SEPTEMBER 1963.

AVERAGE DISCHARGE
68 YEARS, 147 SECOND-FEET, AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS; ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1650 SECOND-FEET FEBRUARY 12. (GAGE HEIGHT 8.50 FEET)
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 45 SECOND-FEET SEPTEMBER 4. (GAGE HEIGHT 4.79 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1894-1963
MAXIMUM 65,700 SECOND-FEET MARCH 2, 1938, BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
MINIMUM NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY FLOOD CONTROL DISTRICT'S SAN GABRIEL AND COGSWELL RESERVOIRS, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA. AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY) DIVERTS ABOVE HIGH-WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT THREE MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 1833 ACRE-FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING WATER YEAR 1961-62. THERE WAS NO M.W.D. RELEASE DURING 1962-63.

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

NORMAL UNREGULATED FLOW: COMBINED RUNOFF OF RIVER AND AZUSA CANAL, ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS USING RECORDS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THESE FIGURES OF RUNOFF ARE EQUIVALENT TO COMBINED RECORDS OF SAN GABRIEL RIVER AND SOUTHERN CALIFORNIA EDISON COMPANY'S CANAL AS PUBLISHED FROM 1894 TO 1933.

MONTH	1961-62 A.F.	1962-63 A.F.
OCTOBER	288.	1590.
NOVEMBER	908.	1520.
DECEMBER	4670.	1600.
JANUARY	3240.	1640.
FEBRUARY	60050.	5490.
MARCH	18470.	2790.
APRIL	13020.	3030.
MAY	7960.	2670.
JUNE	4800.	1660.
JULY	3160.	795.
AUGUST	2100	575.
SEPTEMBER	1460.	1200.
TOTALS	120,100.	24,560.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	4.2	0	0	0	795	0	0	0	0	320	0
2	4.2	4.2	0	0	0	885	0	0	0	0	286	0
3	4.2	4.2	0	0	0	1140	0	0	0	0	291	0
4	4.2	4.2	0	0	0	1130	0	0	0	0	291	0
5	4.4	4.4	0	0	0	907	0	0	0	0	291	0
6	4.4	4.9	0	0	0	795	0	0	0	0	291	0
7	4.2	4.9	0	0	0	788	0	0	0	0	291	0
8	4.2	5.2	0	0	0	335	0	0	0	0	291	0
9	4.2	5.2	0	0	0	35	0	0	0	0	291	0
10	4.2	5.2	0	0	0	59	0	0	0	0	319	0
11	4.4	5.2	0	0	461	43	0	0	0	0	372	0
12	4.4	4.9	0	0	1350	43	0	0	0	0	372	0
13	4.4	4.9	0	0	1240	47	0	0	0	0	388	0
14	4.4	4.9	0	0	1300	52	0	0	0	0	408	0
15	5.2	4.9	0	0	1520	48	0	0	0	0	408	0
16	5.5	4.9	0	0	1190	46	0	0	0	382	348	0
17	5.5	4.6	0	0	1020	46	0	0	0	620	2.2	0
18	5.2	4.4	0	0	908	46	0	0	0	575	0	0
19	4.6	4.4	0	0	809	44	0	0	0	520	0	0
20	4.6	5.5	0	2.4	809	44	0	0	0	485	0	0
21	4.4	5.2	0	0.1	802	43	0	0	0	485	0	0
22	4.4	5.2	0	0	802	43	0	0	0	485	0	0
23	4.2	5.5	0	0	795	43	0	0	0	480	0	0
24	3.9	5.2	0	0	795	42	0	0	0	480	0	0
25	3.9	5.5	0	0	795	42	0	0	0	480	0	0
26	3.9	5.2	0	0	795	44	0	0	0	390	0	0
27	3.9	1.7	0	0	795	43	0	0	0	308	0	0
28	3.9	0	0	0	795	0.7	0	0	0	320	0	0
29	3.9	0	0	0		0.1	0	0	0	320	0	0
30	3.9	0	0	0		0	0	0	0	320	0	0
31	4.2		0	0		0		0		320	0	
	135.1	128.7	0	25	16981.0	7628.6	0	0	0	6970.0	5260.2	0
MEAN	4.36	4.29	0	0.08	606.	246.	0	0	0	225	170.	0
ACRE-FEET	268.	255	0	5.0	33680.	15130.	0	0	0	13820.	10430.	0

Remarks:

YEAR OR PERIOD MEAN 102.
ACRE-FEET 73,590.

FORM 61b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U8-R

Daily discharge, in second-feet of San Gabriel River below Morris Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	16	0	0	0	0	0	0
2	0	0	0	0	0	16	0	0	0	0	0	0
3	0	0	0	0	0	16	0	0	0	0	0	0
4	0	0	0	0	0	16	0	0	0	0	0	16
5	0	0	0	0	0	16	0	0	0	0	0	14
6	0	0	0	0	0	16	0	0	0	0	0	12
7	0	0	0	0	0	16	0	0	0	0	0	0
8	0	0	0	0	0	8.8	0	0	0	0	0	0
9	0	0	0	0	1.4	1.2	0	0	0	0	0	0
10	0	0	0	0	6.4	0	0	0	0	0	0	0
11	0	0	0	0	1.2	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	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	.4	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	21	0	0	0	0	0	0	0
21	0	0	0	0	27	0	0	0	0	0	0	0
22	0	0	0	0	18	0	0	0	0	0	0	0
23	0	0	0	0	20	0	0	0	0	0	0	0
24	0	0	0	0	20	0	0	0	0	0	0	0
25	0	0	0	0	18	0	0	0	0	0	0	15
26	0	0	0	0	16	0	0	0	0	0	0	11
27	0	0	0	0	15	0	0	0	0	0	0	0
28	0	0	0	0	16	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	1810	122.4	0	0	0	0	0	55.4
MEAN	0	0	0	0	6.46	3.95	0	0	0	0	0	1.85
ACRE-FEET	0	0	0	0	359.	243.	0	0	0	0	0	110.

Remarks:

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 712.

STATION S100A-R
SAN GABRIEL AZUSA-DUARTE TUNNEL DIVERSION
at Mouth of Canyon

LOCATION: 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 BROAD-CRESTED WEIRS. THESE WEIRS CAN DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE DUARTE SPREADING GROUNDS. EITHER SIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM, SAN GABRIEL DAM AND COGSWELL DAM. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRICTIONS.

RECORDS AVAILABLE: THE TUNNEL WAS CONSTRUCTED IN 1887. RECORDS OF DIVERSION SINCE 1918 ARE AVAILABLE AT THE OFFICE OF THE SAN GABRIEL RIVER WATER COMMITTEE, AZUSA.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

RECORDS WERE FURNISHED BY MR. MAURICE D. JONES, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE. PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963. RECORDS PRIOR TO OCTOBER 1939 WERE PUBLISHED WITH THE RECORDS OF STATION F100-R WHICH WAS ABANDONED NOVEMBER 1940.

76D74M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. S100A-R

Daily discharge, in second-feet of SAN GABRIEL AZUSA-DUARTE TUNNEL DIVERSION, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.6	10.8	0	0	0	36.7	0	0	0	0	0	0
2	10.6	11.0	0	0	0	45.3	0	0	0	0	0	0
3	10.6	11.0	0	0	0	32.8	0	0	0	0	0	0
4	10.8	11.0	0	0	0	30.8	0	0	0	0	0	0
5	10.8	10.8	0	0	0	38.5	0	0	0	0	0	0
6	10.8	11.0	0	0	0	27.6	0	0	0	0	0	0
7	10.8	11.2	0	0	0	45.3	0	0	0	0	0	0
8	10.6	11.4	0	0	0	28.4	0	0	0	0	0	0
9	10.6	11.4	0	0	0	28.3	0	0	0	0	0	0
10	10.6	11.4	0	0	0	54.3	0	0	0	0	0	0
11	10.6	11.4	0	0	0	33.7	0	0	0	0	0	0
12	10.6	11.2	0	0	0	40.1	0	0	0	0	0	0
13	10.6	11.0	0	0	0	46.2	0	0	0	0	0	0
14	10.6	11.4	0	0	0	51.6	0	0	0	0	0	0
15	10.8	11.6	0	0	0	49.4	0	0	0	0	0	0
16	11.6	11.6	0	0	34.3	46.2	0	0	0	0	0	0
17	11.6	11.6	0	0	58.9	46.2	0	0	0	0	0	0
18	11.8	11.6	0	0	55.6	45.3	0	0	0	0	0	0
19	11.4	11.0	0	0	17.2	45.3	0	0	0	0	0	0
20	10.8	11.0	0	0	0	45.0	0	0	0	0	0	0
21	10.8	11.0	0	0	11.3	44.6	0	0	0	0	0	0
22	10.6	11.0	0	0	22.3	43.9	0	0	0	0	0	0
23	10.6	12.2	0	0	22.3	43.4	0	0	0	0	0	0
24	10.4	12.2	0	0	22.3	42.4	0	0	0	0	0	0
25	10.4	12.2	0	0	22.3	42.1	0	0	0	0	0	0
26	10.4	12.2	0	0	22.3	46.2	0	0	0	0	0	0
27	10.4	10.6	0	0	22.3	50.1	0	0	0	0	0	0
28	10.4	4.8	0	0	22.3	7.2	0	0	0	0	0	0
29	10.4	3.0	0	0		4.7	0	0	0	0	0	0
30	10.2	2.2	0	0		3.5	0	0	0	0	0	0
31	10.4		0	0		2.9		0		0	0	
	332.4	315.8	0	0	333.6	1148.2	0	0	0	0	0	0
MEAN	10.7	10.5	0	0	11.9	37.0	0	0	0	0	0	0
ACRE-FEET	659.	626.	0	0	662.	2278.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 5.84
ACRE-FEET 4225.

76D74M Glb 11-59

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, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	14.4	0	0	0	0	0	0
2	0	0	0	0	0	14.4	0	0	0	0	0	0
3	0	0	0	0	0	14.6	0	0	0	0	0	0
4	0	0	0	0	0	15.1	0	0	0	0	0	0
5	0	0	0	0	0	15.5	0	0	0	0	0	0
6	0	0	0	0	0	15.5	0	0	0	0	0	0
7	0	0	0	0	0	15.5	0	0	0	0	0	0
8	0	0	0	0	0	12.7	0	0	0	0	0	0
9	0	0	0	0	0	3.3	0	0	0	0	0	0
10	0	0	0	0	0	2.0	0	0	0	0	0	0
11	0	0	0	0	0	1.6	0	0	0	0	0	0
12	0	0	0	0	0	0.6	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	2.5	0	0	0	0	0	0	0
22	0	0	0	0	5.7	0	0	0	0	0	0	0
23	0	0	0	0	12.2	0	0	0	0	0	0	0
24	0	0	0	0	13.8	0	0	0	0	0	0	0
25	0	0	0	0	13.8	0	0	0	0	0	0	0
26	0	0	0	0	12.9	0	0	0	0	0	0	0
27	0	0	0	0	13.6	0	0	0	0	0	0	0
28	0	0	0	0	14.2	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	88.7	125.2	0	0	0	0	0	0
MEAN	0	0	0	0	3.17	4.04	0	0	0	0	0	0
ACRE-FEET	0	0	0	0	176.	248.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.59
ACRE-FEET 424.

STATION F190-R
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: LAT. 34°08'13", LONG. 117°56'32", ON THE DOWNSTREAM SIDE OF FOOTHILL BOULEVARD BRIDGE TWO MILES WEST OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 565.50 FEET.

DRAINAGE AREA: 230 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL WITH GUNITED ROCK LEVEES AND NATURAL SAND, GRAVEL AND ROCK BOTTOM. BOTTOM WIDTH 590 FEET. DEPTH 12 FEET. CONTROL - GUNITED ROCK STABILIZERS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 900± FEET BELOW THE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: STREAM MEASUREMENTS STARTING FEBRUARY 22, 1932. RECORDER RECORDS FROM APRIL 25, 1932 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2260 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 301 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1932-63
MAXIMUM 62,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

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

TSD74M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F190-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	b 710	9.3	e 0.1	0	0	308	2.3
2	0	0	4.8	0	0	b 810	15	0.1	0	0	280	2.6
3	0	0	5.4	0	0	1120	21	0.1	0	0	267	2.3
4	0	0	+	0	0	1140	20	0.1	0	0	287	2.6
5	0	0	0	0	0	b 960	18	0.1	0	0	287	2.3
6	0	0	0	0	0	830	6.6	e 0.1	0	0	252	2.0
7	0	0	0	0	0	825	3.6	+	0	0	228	2.3
8	0	0	0	0	42	350	3.0	e 0.1	0	0	228	1.7
9	0	0	0	0	125	26	6.1	+	0	0	234	1.4
10	0	0	0	0	71	26	3.0	+	0	0	246	1.0
11	0	0	0	0	919	26	2.0	+	0	0	315	0.9
12	0	0	0	0	1750	b 26	1.7	0	0	0	308	0.9
13	0	0	0	0	1570	24	1.4	0	0	0	315	0.9
14	0	0	0	0	1290	26	0.9	+	0	0	330	1.0
15	0	0	0	0	1710	26	0.9	+	0	0	337	0.9
16	0	0	0	0	1390	29	0.8	0.4	0	208	330	0.9
17	0	0	0	0	1020	31	0.6	+	0	536	11	0.7
18	0	0	0	0	b 950	29	0.7	0	0	536	1.7	0.6
19	0	0	0	0	860	27	0.7	0	0	496	0.9	0.6
20	0	2.4	0	57	880	32	0.7	0	0	442	0.9	0.5
21	0	0	0	5.1	880	32	0.5	0	0	442	0.9	0.2
22	0	0	0	3.6	850	31	0.5	0	0	442	0.6	0.1
23	0	0	0	2.6	820	36	0.5	0	0	442	0.7	0
24	0	0	0	4.8	780	32	0.7	0	0	442	0.6	0
25	0		0	3.0	775	31	0.7	0	0	442	0.6	0
26	0	0	0	1.7	760	26	0.4	0	0	358	0.6	0
27	0	0	0	1.1	740	27	0.6	0	0	308	0.7	0
28	0	0	0	0.8	b 720	18	0.7	0	0	308	0.6	0
29	0	0	0	0.4		14	0.6	0	0	301	0.6	0
30	0	0	0	0		12	0.4	0	0	301	1.4	0.2
31	0		0	0		10		0		301	1.7	
	0	2.4	53.4	80.1	18902.0	7342.0	122.0	1.1	0	6315.0	4595.5	28.9
MEAN	0	0.08	1.72	2.58	675.	237.	4.06	0.04	0	204.	148.	0.96
ACRE-FEET	0	4.8	106.	159.	37490.	14560.	242.	2.2	0	12530.	9120.	57.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 103.
ACRE-FEET 74270.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

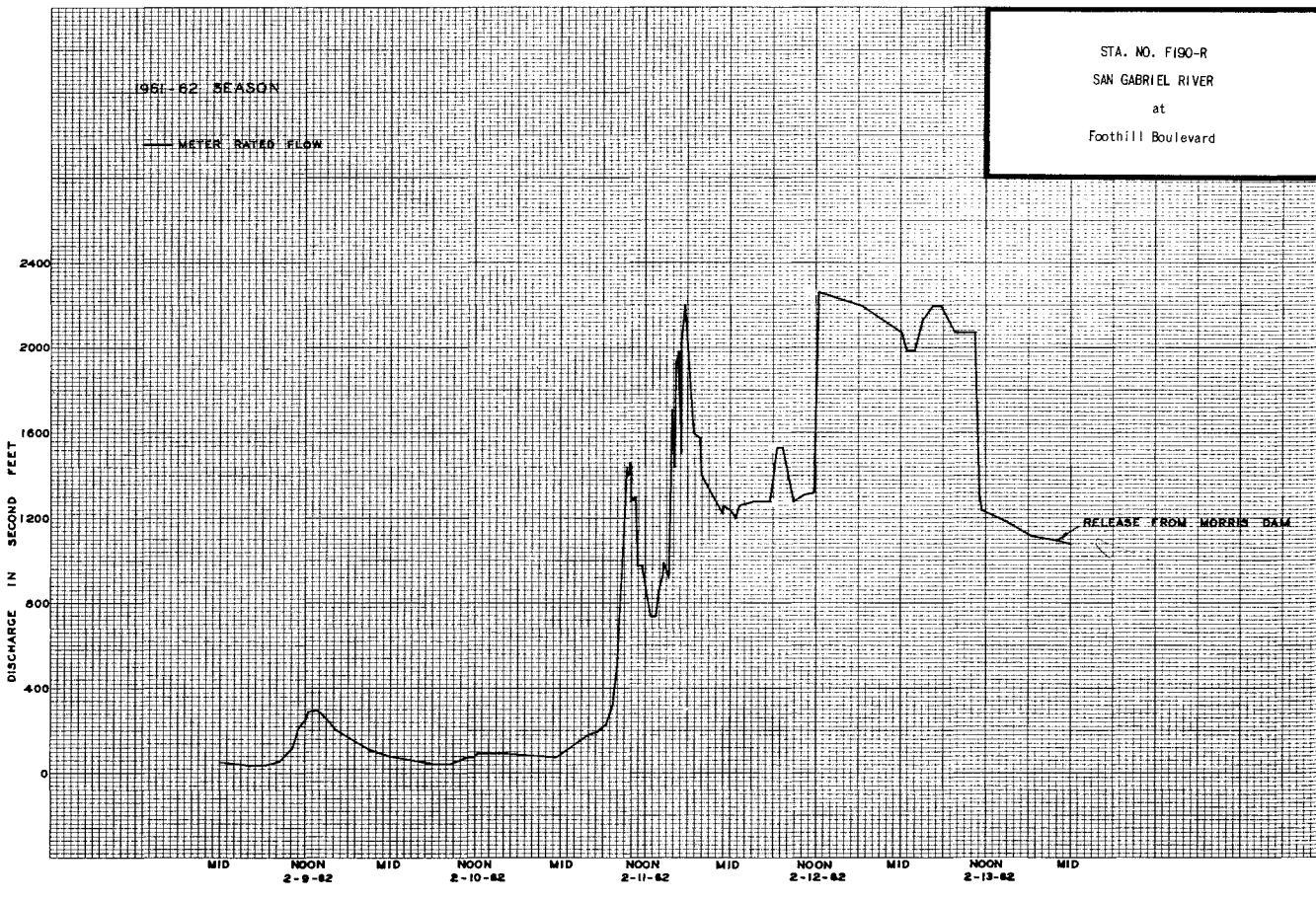
Sta. No. F190-R

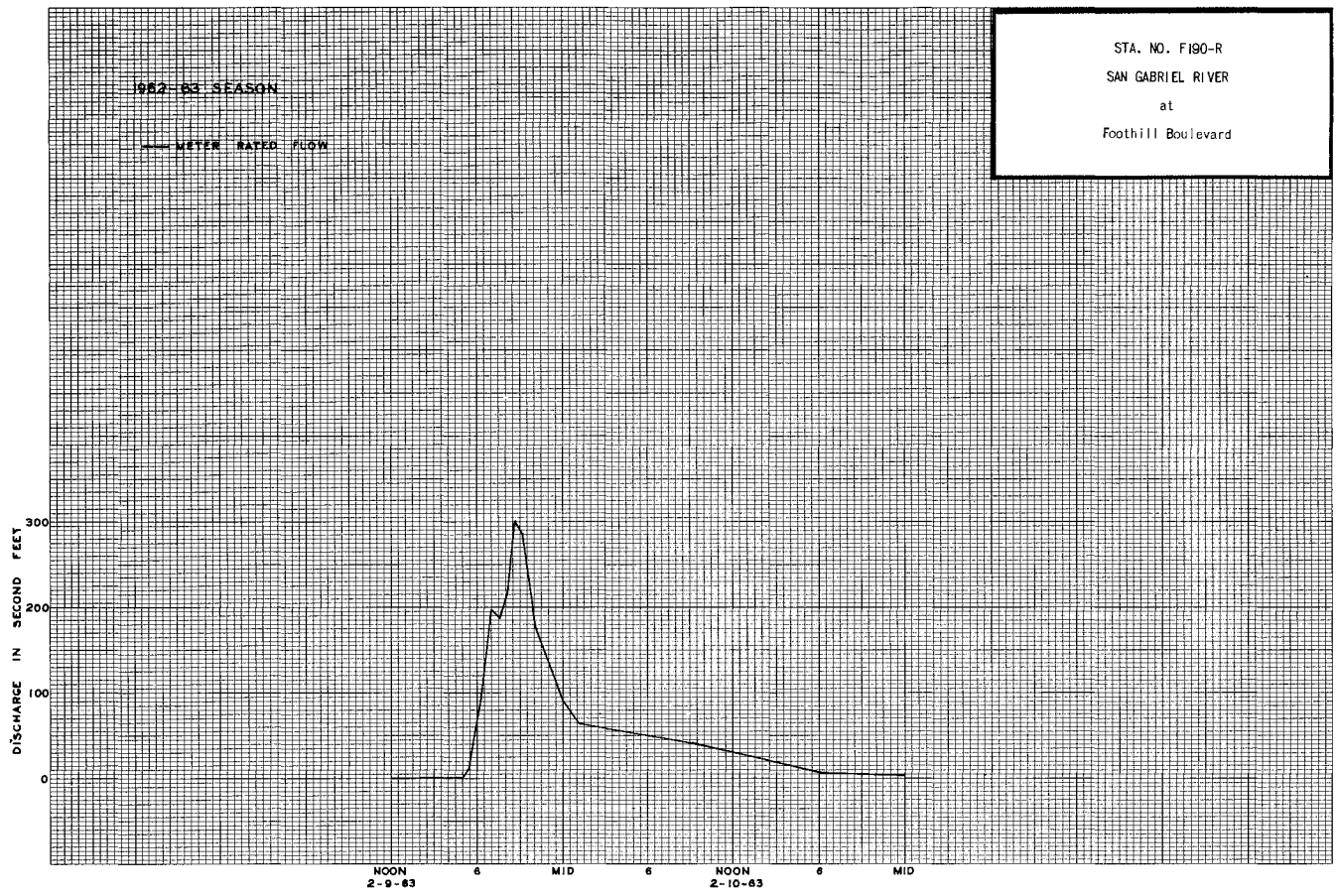
Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0	0	0	0	0	0	0	0	0	0	0
2	0.1	0	0	0	0	0	0	0	0	0	0	0
3	0.6	0	0	0	0	0	0	0	0	0	0	0
4	1.0	0	0	0	0	0	0	0	0	0	0	0
5	1.1	0	0	0	0	0	0	0	0	0	0	0
6	1.1	0	0	0	0	0	0	0	0	0	0	0
7	1.4	0	0	0	0	0	0	0	0	0	0	0
8	1.7	0	0	0	0	0	0	0	0	0	0	0
9	1.4	0	0	0	47	0	0	0	0	0	0	0
10	1.0	0	0	0	31	0	0	0	0	0	0	0
11	1.1	0	0	0	0.1	0	0	0	0	0	0	0
12	1.1	0	0	0	0	0	0	0	0	0	0	0
13	1.4	0	0	0	0	0	0.5	0	0	0	0	0
14	1.7	0	0	0	+	0	0	0	0	0	0	0
15	1.7	0	0	0	0	0	1.2	0	0	0	0	0
16	2.0	0	0	0	0	0.6	0	0	0	0	0	0
17	2.0	0	0	0	0	0.1	0	0	0	0	0	0
18	2.0	0	0	0	0	0	0	0	0	0	0	+
19	2.0	0	0	0	0	0	0	0	0	0	0	0
20	2.0	0	0	0	0	0	0	0	0	0	0	0
21	1.7	0	0	0	0	0	0	0	0	0	0	0
22	2.0	0	0	0	0	0	0	0	0	0	0	0
23	1.7	0	0	0	0	0	0	0	0	0	0	0
24	1.4	0	0	0	0	0	0	0	0	0	0	0
25	1.4	0	0	0	0	0	0	0	0	0	0	0
26	1.4	0	0	0	0	0	0	0	0	0	0	0
27	1.7	0	0	0	0	0	0	0	0	0	0	0
28	0.9	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	
	39.0	0	0	0	78.1	0.7	1.7	0	0	0	0	+
MEAN	1.26	0	0	0	2.79	0.02	0.05	0	0	0	0	+
ACRE-FEET	77.	0	0	0	155.	1.4	3.4	0	0	0	0	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.33
ACRE-FEET 237.





STATION E281-R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: LAT 34°06'44", LONG. 117°58'07", ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 1.7 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE 400 FEET.

DRAINAGE AREA: 231 SQUARE MILES, SPILLWAY FLOW FROM SANTA FE DAM WILL BE PASSED TO RIO HONDO.

CHANNEL AND CONTROL: CHANNEL - A STILLING BASIN LOCATED IN THE OUTLET CHANNEL IMMEDIATELY BELOW SANTA FE DAM. CONTROL - 194.84-FOOT CONCRETE OVERFLOW SECTION TO THE SAN GABRIEL RIVER AND FIVE GATED OPENINGS TO THE RIO HONDO DIVERSION CANAL. STATION E281-R RECORDS WATER SURFACE ELEVATION IN THE STILLING BASIN.

DISCHARGE MEASUREMENTS: LOW FLOW MEASUREMENTS MAY BE MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1000 FEET BELOW GAGE.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY SANTA FE DAM. INFLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM. GATES WERE INSTALLED DECEMBER 1948.

DIVERSION: THERE ARE DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. DISCHARGES OVER THE SPILLWAY OF DAM FLOW TO THE RIO HONDO AND ARE NOT RECORDED AT THIS STATION. FIVE GATED OPENINGS ON THE WEST SIDE OF THE STILLING BASIN MAY DIVERT FLOW TO A DIVERSION CANAL TO THE RIO HONDO. SUCH DIVERSIONS ARE MEASURED AT STATION F280-R, SANTA FE CHANNEL.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1963. FOR MEASUREMENTS PRIOR TO FEBRUARY 9, 1943, SEE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STAFF GAGE STATION F247-S AT ARROW HIGHWAY.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 728 SECOND-FEET FEBRUARY 13. (GAGE HEIGHT 11.72 FEET).
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM NO FLOW ENTIRE SEASON.
MINIMUM NO FLOW ENTIRE SEASON.
1942-63
MAXIMUM 8000 SECOND-FEET (REVISED) JANUARY 3, 1943
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

TADTAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E281-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Santa Fe Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	342	0	0	0	0	248	0
2	0	0	0	0	0	335	0	0	0	0	232	0
3	0	0	0	0	0	355	0	0	0	0	232	0
4	0	0	0	0	0	330	0	0	0	0	237	0
5	0	0	0	0	0	313	0	0	0	0	237	0
6	0	0	0	0	0	293	0	0	0	0	213	0
7	0	0	0	0	0	194	0	0	0	0	189	0
8	0	0	0	0	0	244	0	0	0	0	189	0
9	0	0	0	0	0	193	0.9	0	0	0	189	0
10	0	0	0	0	0	19	0	0	0	0	213	0
11	0	0	0	0	106	3.5	0	0	0	0	253	0
12	0	0	0	0	268	12	0	0	0	0	253	0
13	0	0	0	0	437	0	0	0	0	0	269	0
14	0	0	0	0	367	0	0	0	0	0	285	0
15	0	0	0	0	321	0	0	0	0	0	285	0
16	0	0	0	0	199	0	0	0	0	114	212	0
17	0	0	0	0	361	0	0	0	0	446	0	0
18	0	0	0	0	392	0	0	0	0	466	0	0
19	0	0	0	0	185	0	0	0	0	398	0	0
20	0	0	0	0	159	0	0	0	0	379	0	0
21	0	0	0	0	191	0	0	0	0	379	0	0
22	0	0	0	0	302	0	0	0	0	379	0	0
23	0	0	0	0	313	0	0	0	0	386	0	0
24	0	0	0	0	308	0	0	0	0	386	0	0
25	0	0	0	12	296	0	0	0	0	386	0	0
26	0	0	0	0	308	0	0	0	0	337	0	0
27	0	0	0	0	342	0	0	0	0	232	0	0
28	0	0	0	0	361	0	0	0	0	248	0	0
29	0	0	0	0		0	0	0	0	248	0	0
30	0	0	0	0		0	0	0	0	248	0	0
31	0		0	0		0		0		243	0	
	0	0	0	12.0	5216.0	2622.7	0.9	0	0	5275.0	3736.0	0
MEAN	0	0	0	0.39	186.	84.6	0.03	0	0	1.70	1.21	0
ACRE-FEET	0	0	0	24.	10350	5200.	1.8	0	0	10460.	7410.	0

Remarks:

YEAR OR PERIOD MEAN 46.2
ACRE-FEET 33,450.

STATION M335-R
SAN GABRIEL - MWD OUTLET below
San Bernardino Road

LOCATION: LAT. 34°04'34", LONG. 117°59'56", ON THE SAN GABRIEL RIVER OUTLET OF THE METROPOLITAN WATER DISTRICT MIDDLE FEEDER, NEAR THE LEFT (EAST) BANK OF THE SAN GABRIEL RIVER ABOUT 460 FEET SOUTH OF SAN BERNARDINO ROAD AND 350 FEET WEST OF RIVER GRADE ROAD.

CHANNEL AND CONTROL: A 20.5-FOOT RECTANGULAR, SUPPRESSED WEIR UNTIL APRIL 13, 1960. BEGINNING DECEMBER 21, 1960, A 73-INCH DIAMETER PIPE WITH 49.32-INCH DIAMETER ORIFICE PLATE.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY ORIFICE METER WITH TOTALIZER BEGINNING DECEMBER 21, 1960.

RECORDER: A WEEKLY VENTURI RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

RECORDS AVAILABLE: AT STATION F335-R - FROM NOVEMBER 30, 1957 TO APRIL 13, 1960.
AT STATION M335-R - FROM DECEMBER 17, 1960 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 350 SECOND-FEET MARCH 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 345 SECOND-FEET JANUARY 4 AND SEPTEMBER 23.
MINIMUM NO FLOW AT VARIOUS TIMES.
1957-63
MAXIMUM 355 SECOND-FEET VARIOUS TIMES 1961.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE METROPOLITAN WATER DISTRICT IN COOPERATION WITH THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. THIS STATION IS OPERATED SOLELY FOR THE PURPOSE OF MEASURING THE DELIVERY OF COLORADO RIVER WATER BY THE METROPOLITAN WATER DISTRICT TO THE SAN GABRIEL RIVER.

STATION M335-R
SAN GABRIEL - MWD OUTLET below
San Bernardino Road (Cont'd)

MONTHLY DISCHARGE IN ACRE-FEET:

MONTH	1961-62	1962-63
OCTOBER	12,740.	14,410.
NOVEMBER	11,530.	8,610.
DECEMBER	13,960.	7,890.
JANUARY	14,050.	9,490.
FEBRUARY	3,430.	7,890.
MARCH	7,780.	6,250.
APRIL	14,600.	3,490.
MAY	14,280.	0
JUNE	13,640.	0
JULY	8,580.	0
AUGUST	2,200.	0
SEPTEMBER	17,780.	1,820.
TOTAL	134,570.	59,850.

STATION F261C-R
SAN GABRIEL RIVER
below Valley Boulevard

LOCATION: LAT. 34°03'15", LONG. 118°00'29", ON THE RIGHT (WEST) BANK 1150 FEET BELOW VALLEY BOULEVARD, TWO AND ONE HALF MILES EAST OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT 264.13 FROM PLANS.

DRAINAGE AREA: 118 SQUARE MILES. (EXCLUDES AREA ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL, NATURAL SAND AND GRAVEL BOTTOM WITH PLACED ROCK RIP-RAP SIDES, 450-FOOT WIDE AT BOTTOM, 535 FEET WIDE AT TOP AND 17 FEET DEEP.
CONTROL - CONCRETE STABILIZER WITH 80-FOOT WIDE NOTCH, 100 FEET BELOW STATION.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, SEVERAL DEBRIS BASINS AND THE M.W.D. MIDDLE FEEDER OUTLET BELOW SAN BERNARDINO ROAD.

DIVERSION: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: NOVEMBER 29, 1950 TO SEPTEMBER 30, 1963. FOR RECORDS PRIOR TO NOVEMBER 29, 1960 SEE STATION F191-R AT SAN BERNARDINO ROAD AND AT GARVEY AVENUE OR STATIONS F261-R AT ELIOT AVENUE AND F261B-R AT VALLEY BOULEVARD.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7500 SECOND-FEET NOVEMBER 20.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 3500 SECOND-FEET MARCH 16.
MINIMUM NO FLOW AT VARIOUS TIMES.
1960-63
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MINIMUM 9400 SECOND-FEET JANUARY 23, 1943. (STATION F261B-R)
MINIMUM NO FLOW AT VARIOUS TIMES.

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

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

74D74M C1b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F261C-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Valley Boulevard, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	203	225	72	237	212	148	209	218	225	93	180	206
2	191	219	603	240	215	130	205	215	212	95	174	218
3	187	212	19.0	240	215	164	203	173	222	93	183	234
4	192	215	92	243	215	142	203	132	222	89	186	243
5	202	212	212	247	215	138	206	145	222	161	189	263
6	233	198	215	247	206	211	200	148	222	209	203	279
7	246	172	218	250	150	72	203	138	218	206	180	269
8	253	172	218	250	443	77	209	132	225	209	158	300
9	256	172	218	247	189	119	212	75	234	209	148	303
10	247	182	218	243	27	6.9	212	180	234	203	123	283
11	216	197	218	247	1000	0	191	197	237	203	125	276
12	190	209	218	221	99	139	164	212	237	192	130	272
13	179	207	222	206	181	276	166	218	237	194	138	263
14	191	192	117	192	107	276	174	250	204	200	155	300
15	156	188	91	192	325	272	172	247	206	212	164	306
16	66	193	215	192	99	272	161	253	209	126	164	310
17	0	211	218	192	132	2.6	150	240	215	285	25	303
18	0	221	222	192	197	0.6	177	240	209	342	0.6	300
19	0	192	218	159	406	65	222	240	206	324	0.6	306
20	0	639	222	275	127	176	218	240	157	314	0.6	306
21	103	61	215	12.0	84	72	222	240	150	320	0.4	306
22	279	204	222	57	105	139	222	231	189	317	0.3	303
23	274	222	222	58	125	2.2	218	222	189	317	0.3	306
24	249	155	222	200	130	35	225	206	189	317	0.4	272
25	207	61	225	206	107	197	225	206	134	317	0.4	240
26	188	87	225	209	114	209	215	203	99	281	0.4	222
27	212	202	228	212	145	197	209	209	89	150	0.4	240
28	234	222	228	212	150	212	215	212	87	164	0.4	269
29	243	189	228	209		218	218	225	91	172	0.4	276
30	231	8.6	228	209		212	218	225	93	174	96	276
31	214		234	209		206		231		177	200	
	5642.0		6523.0		5720.0		6045.0		5663.0		2926.2	
		5889.6		6305.0		4386.3		5303.0		6665.0		8270.0
MEAN	182.	196.	210.	203.	204.	141.	202.	203.	189.	215.	94.4	276.
ACRE-FEET	11190.	11680.	12940.	12510.	11350.	8700	11990.	12500.	11230.	13220.	5800.	16400.

Remarks:

YEAR OR PERIOD MEAN 193.
ACRE-FEET 139,500.

74D74M C1b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

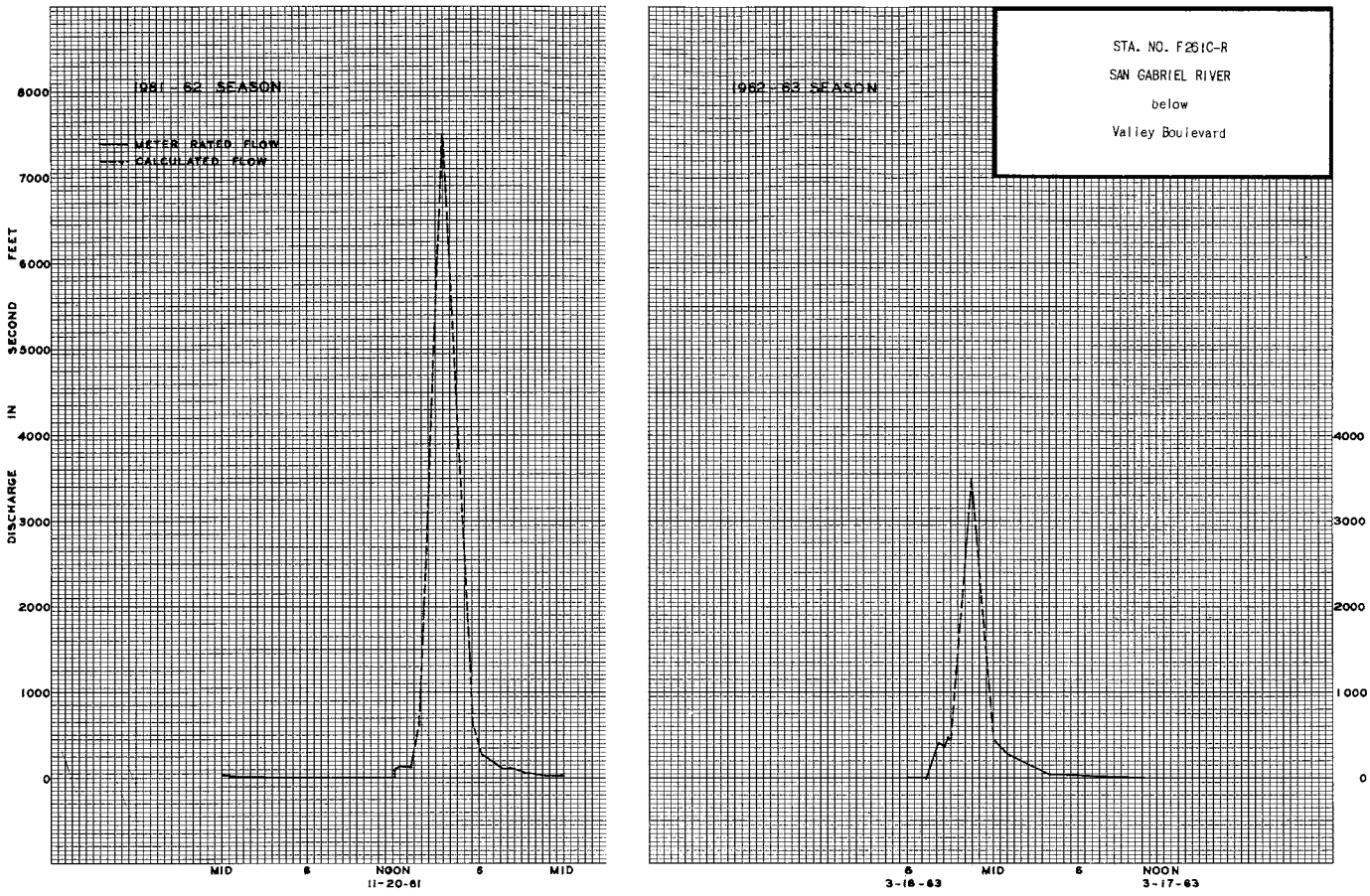
Sta. No. F261C-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Valley Boulevard, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	276	0.3	0	0	4.4	0	150	0	0	0	0	0
2	250	0.1	0	0	0	0	153	0	0	0	0	0
3	215	0	58	0	0	0	148	0	0	0	0	0
4	192	0	130	91	74	0	138	0	0.2	0	0	47
5	192	79	130	209	206	0	130	0	0	0	0	+
6	218	180	130	209	197	0	125	0	0	0	0	0
7	222	183	140	206	197	0	125	0	0	0	0	0
8	234	186	62	212	206	26	130	0	0	0	0	0
9	247	189	0	218	566	135	132	0	0	0	0	0
10	247	189	+	228	499	140	132	0	+	0	0	0
11	243	189	0	95	+	130	132	0	0.1	0	0	0
12	199	189	75	0	78	128	53	0	0.1	0	0	0
13	46	172	183	0	174	128	0	0	0.1	0	0	0
14	0.4	172	183	0	161	125	22	0	0.1	0	0	0
15	0.4	206	180	0	180	62	1.9	0	0.1	0	0	0
16	53	200	177	89	174	268	0	0	+	0	0	0
17	234	200	106	212	174	54	12	0	0.1	0	0	85
18	237	197	72	222	174	65	0	0	0.1	0	0	91
19	234	197	177	222	174	158	0	0	0.2	0	0	36
20	240	71	177	222	167	169	0.2	0	0.2	0	0	0
21	247	0	180	222	177	166	32	0	+	0	0	0
22	250	0	174	200	174	148	0	0	+	0	0	0
23	250	0	183	203	174	148	0	0	+	0	0	91
24	253	73	183	209	172	145	0	0	0.1	0	0	234
25	253	189	183	234	172	142	+	0	+	0	0	237
26	253	197	161	253	177	145	93	0	+	0	0	138
27	253	209	140	250	127	153	0	0	+	0	0	0
28	256	209	138	253	+	96	0	0	0	0	0	0
29	256	209	145	112		0	0	0	0	0	0	0
30	253	108	153	0		57	0	0	0	0	0	0
31	114		84	27		140		0		0	0	
	6417.8		3704.0		4578.4		1709.1		1.4		0	
		3993.4		4398.0		2928.0		0		0		959.0
MEAN	207.	133.	119.	142.	164.	94.5	57.0	0	0.05	0	0	32.0
ACRE-FEET	12730.	7920.	7350.	8720.	9080.	5810.	3390.	0	2.8	0	0	1900.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 78.6
ACRE-FEET 56,900.



STATION F314-R
SAN GABRIEL BY-PASS CHANNEL
above Whittier Narrows Dam

LOCATION: LAT. 34°01'47", LONG. 118°02'47", ON THE LEFT (EAST) BANK OF THE CHANNEL, 500 FEET BELOW DIVERSION HEADWORKS, ABOUT 2.8 MILES NORTHEAST OF PICO.

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

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

RECORDER: A WEEKLY RECORDER WAS IN SERVICE DURING PERIODS OF OPERATION.

REGULATION: FLOW REGULATED AT HEADWORKS. INSTALLED TO DIVERT PORTION OF ZONE 1 WATER TO SAN GABRIEL RIVER.

ACCURACY: GOOD.

REMARKS: USED ONLY FOR ZONE 1 PURCHASED WATER DIVERTED TO SAN GABRIEL SPREADING GROUNDS.

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

74D74M C3b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F314-R

Daily discharge, in second-feet of SAN GABRIEL RIVER BYPASS CHANNEL above Whittier Narrows Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	30	116	92	0	128	62	168	+	167	149
2	0	0	12	116	84	0	127	63	160	0	162	168
3	0	0	0	115	91	0	129	61	164	0	169	174
4	0	0	13	150	98	0	137	67	182	0	179	173
5	0	0	66	208	104	0	145	85	195	72	184	180
6	0	0	119	211	102	0	144	112	186	163	197	176
7	0	0	193	216	85	0	152	125	138	175	181	168
8	0	0	196	218	6.1	0	152	129	161	160	155	186
9	0	0	194	217	0	0	166	58	168	168	142	187
10	0	0	194	173	0	0	183	153	168	156	122	174
11	0	0	194	144	0	0	171	149	146	156	111	169
12	0	0	183	118	0	31	143	155	113	157	122	169
13	0	0	148	106	0	114	137	158	135	158	128	166
14	0	0	93	100	0	126	124	166	159	158	147	161
15	0	0	34	100	0	117	105	168	138	161	155	169
16	0	0	130	102	0	123	103	152	134	105	159	164
17	0	0	130	101	0	7.1	97	132	132	119	45	161
18	0	0	124	102	0	0	135	131	132	188	0.2	164
19	0	0	118	88	0	13	177	135	134	168	0	167
20	0	0.4	115	3.0	0	108	147	141	123	153	0	165
21	0	7.6	112	0	0	29	156	144	113	161	0	165
22	0	83	119	0	0	93	155	145	146	157	0	165
23	0	64	119	13	0	6.2	154	143	141	148	0	165
24	0	59	117	166	0	1.1	159	143	144	153	0	160
25	0	47	117	184	0	108	156	149	75	157	0	127
26	0	44	117	185	0	126	149	149	0.6	154	0	74
27	0	90	119	186	0	126	c 141	152	0.4	131	0	81
28	0	103	120	184	0	131	c 152	155	0.2	146	0	105
29	0	95	117	182		140	160	163	0.1	157	0	110
30	0	7.5	116	182		135	115	167		160	20	111
31	0		116	131		129		172		163	126	
	0	600.7	3575.0	4117.0	662.1	1663.4	4299.0	4084.0	3656.3	4104.0	2671.2	4653.0
MEAN	0	200.	115.	133.	23.6	53.7	143.	132.	122.	132.	86.2	155.
ACRE-FEET	0	1190.	7090.	8170.	1310.	3300.	8530.	8100.	7250.	8140.	5300.	9230.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 93.4
ACRE-FEET 67,610.

74D74M C3b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F314-R

Daily discharge, in second-feet of SAN GABRIEL RIVER BY-PASS above Whittier Narrows Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	0.3	0.9	+	29	0	0	0	0	0	0	0
2	152	0	+	0	0.4	0	0	0	0	0	0	0
3	146	0	19	0	0	0	0	0	0	0	0	0
4	144	0	106	36	29	0	0	0	0	0	0	0
5	144	23	118	149	155	0	0	0	0	0	0	0
6	139	96	113	151	149	0	0	0	0	0	0	0
7	140	100	119	149	149	0	0	0	0	0	0	0
8	145	108	83	152	156	0	0	0	0	0	0	0
9	152	108	0.5	158	103	42	0	0	0	0	0	0
10	155	110	0	164	0.1	76	0	0	0	0	0	0
11	155	112	0	84	0	70	0	0	0	0	0	0
12	144	113	31	+	0	66	0	0	0	0	0	0
13	47	106	154	0	0	64	0	0	0	0	0	0
14	+	103	155	0	0	63	0	0	0	0	0	0
15	0	143	151	0	0	43	0	0	0	0	0	0
16	9.9	150	149	33	0	3.0	0	0	0	0	0	0
17	138	143	113	154	0	0	0	0	0	0	0	0
18	156	141	30	165	0	0	0	0	0	0	0	0
19	159	140	151	170	0	0	0	0	0	0	0	0
20	163	73	149	168	0	0	0	0	0	0	0	0
21	165	0.1	146	161	0	0	0	0	0	0	0	0
22	167	0	111	145	0	0	0	0	0	0	0	0
23	167	0	117	146	0	0	0	0	0	0	0	0
24	169	26	119	150	0	0	0	0	0	0	0	0
25	162	137	120	148	0	0	0	0	0	0	0	0
26	155	145	112	144	0	0	0	0	0	0	0	0
27	152	151	100	144	0	0	0	0	0	0	0	0
28	153	158	97	143	0	0	0	0	0	0	0	0
29	157	159	102	81		0	0	0	0	0	0	0
30	157	106	104	0.3		0	0	0	0	0	0	0
31	87		74	20		0		0		0	0	
	4101.9	2651.4	2844.4	3015.3	770.5	427.0	0	0	0	0	0	0
MEAN	132.	88.4	91.8	97.0	27.5	13.8	0	0	0	0	0	0
ACRE-FEET	8140.	5260.	5640.	5980.	1530.	847.	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 37.8
ACRE-FEET 27,400.

STATION F263B-R
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: LAT. 34°00'25", LONG. 118°04'05", ON THE DOWNSTREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.8 MILE NORTHEAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 172.50 FEET, U.S.G.S. DATUM.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, NO CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR 600 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, THOMPSON CREEK DAM, WHITTIER NARROWS DAM AND THE M.W.D. MIDDLE FEEDER OUTLET.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63-R, SAN GABRIEL RIVER AT WHITTIER BOULEVARD IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI.)

REMARKS: ZONE 1 WATER WAS DELIVERED TO SAN GABRIEL AND RIO HONDO SPREADING BASINS. 70,600 ACRE-FEET IS INCLUDED IN THIS RECORD DURING 1961-62 AND 35,200 ACRE-FEET DURING 1962-63. THIS IS FOREIGN WATER.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 8810 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 4320 SECOND-FEET MARCH 17.
MINIMUM NO FLOW PART OF YEAR.
1936-63
MAXIMUM 22,000 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.

7MD74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	139	170	11	99	99	168	121	48	168	0.7	149	130
2	121	170	812	99	87	159	125	48	159	+	149	149
3	130	160	137	105	96	206	110	46	149	+	149	163
4	130	165	7.1	130	96	163	117	46	178	0	163	159
5	139	160	58	185	93	144	125	57	195	55	163	163
6	178	160	114	205	93	266	139	106	164	159	184	159
7	184	133	175	200	84	120	144	121	168	163	163	154
8	200	133	160	190	1520	59	130	121	144	149	130	168
9	195	130	180	200	591	99	154	53	154	154	121	168
10	184	133	175	158	88	32	184	149	163	135	102	159
11	158	152	175	137	2840	14	168	144	139	121	79	154
12	135	165	165	114	377	29	139	139	106	130	102	154
13	130	170	133	109	176	121	125	154	d125	130	102	154
14	161	152	88	93	126	139	117	159	149	130	121	135
15	138	145	22	96	489	114	106	178	128	135	139	144
16	63	152	116	96	211	117	106	154	124	103	139	149
17	0	175	119	96	171	31	102	125	122	33	48	144
18	0	190	126	96	252	13	135	117	122	173	b 4.0	144
19	0	172	116	94	804	17	190	110	124	159	4.0	144
20	0	597	105	701	407	117	149	121	114	144	3.0	144
21	32	22	99	68	377	37	139	125	103	144	2.0	144
22	228	68	110	157	159	108	144	125	136	139	1.0	144
23	222	54	108	42	135	19	149	135	131	130	b 0.3	149
24	205	51	93	156	163	13	144	135	134	139	+	144
25	165	32	105	185	139	86	149	135	65	139	0	110
26	141	40	105	165	117	125	149	139	d 3.0	135	0	65
27	160	63	102	165	163	117	149	144	1.3	106	0	73
28	180	82	93	180	173	121	163	144	1.0	121	0	110
29	185	74	108	160		130	159	154	1.3	135	0	117
30	180	7.4	102	170		130	120	154	1.0	139	3.8	117
31	164		105	140		121		163		144	91	
	4247.0	4077.4	4124.1	4791.0	10126.0	3135.0	4151.0	3749.0	3491.6	3544.7	2312.1	4211.0
MEAN	137.0	135.9	133.0	155.0	361.6	101.1	138.4	120.9	116.4	114.3	74.6	140.4
ACRE-FEET	8420.	8090.	8180.	9500.	20080.	6220.	8230.	7440.	6930.	7030.	4590.	8350.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 142.
ACRE-FEET 103,100.

7507AM Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

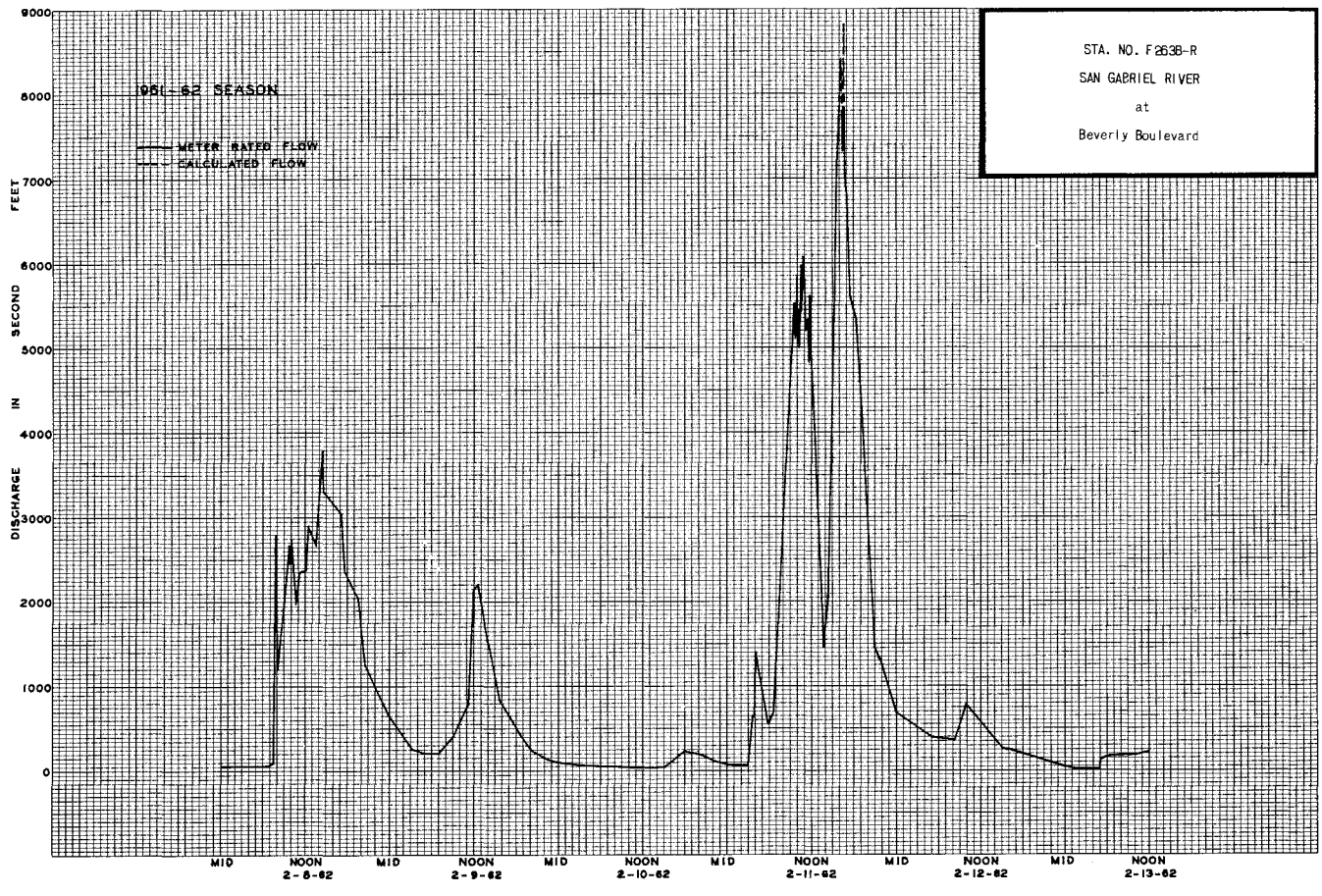
Sta. No. F263B-R

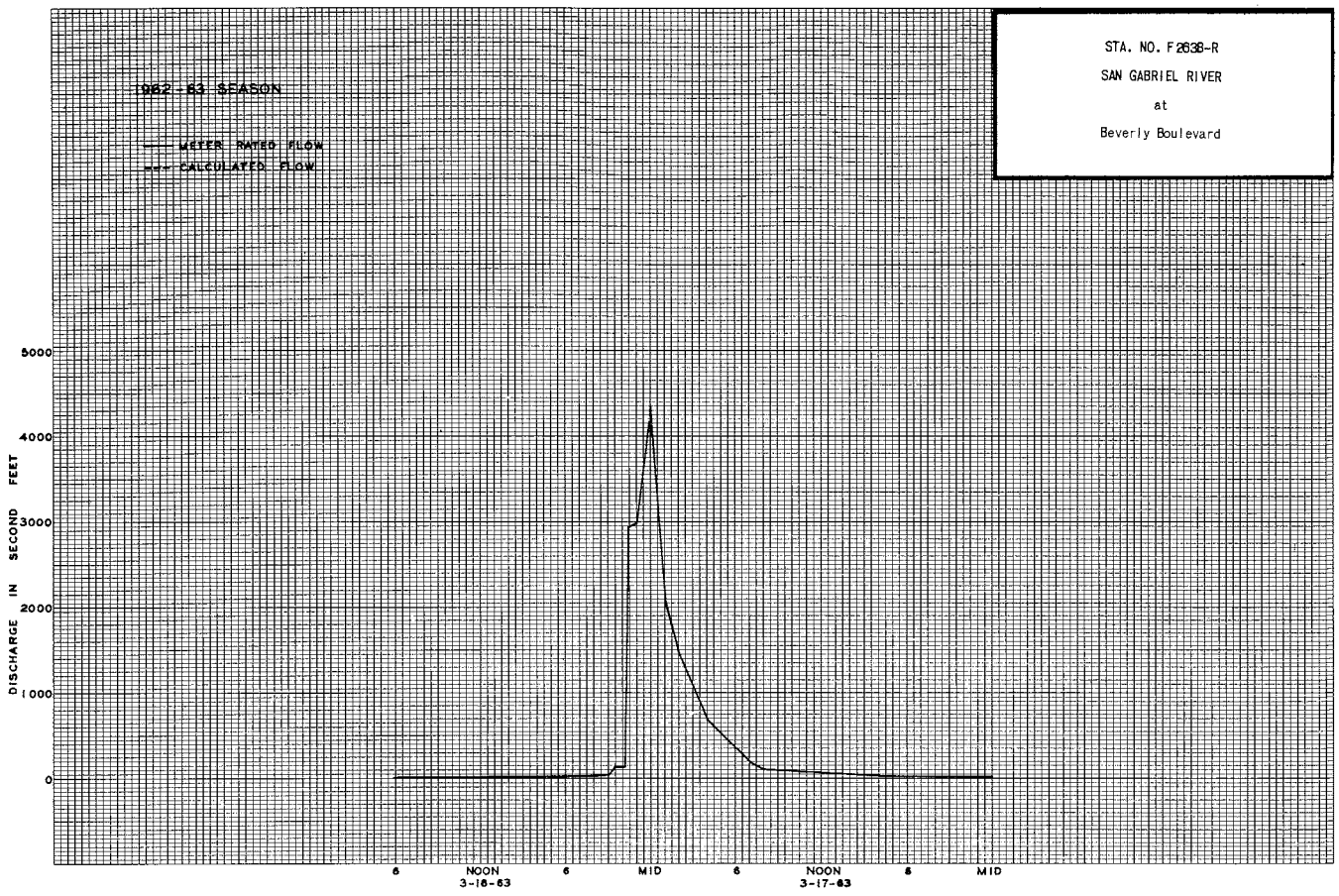
Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121	0	2.0	3.5	44	3.8	123	b 3.0	0	0	0	0
2	149	0	0	1.7	4.2	3.0	130	3.0	0	0	0	0
3	135	0	9.6	0.7	2.2	3.0	116	2.5	0	0	0	0
4	125	0	84	24	13	3.3	110	2.0	0	0	0	0
5	135	9.5	98	139	125	3.3	a 109	1.5	0	0	0	0
6	125	87	95	154	130	2.8	108	1.0	0	0	0	0
7	121	98	91	149	130	v 2.2	107	0.5	0	0	0	0
8	130	110	72	154	139	2.2	106	b 0.1	0	0	0	0
9	139	110	0	159	942	38	105	0	0	0	0	0
10	139	114	0	173	1,080	70	a 104	0	0	0	0	0
11	135	110	0	105	14	65	103	0	0	0	0	0
12	125	110	15	3.2	38	60	63	0	0	0	0	0
13	41	102	135	1.7	137	v 59	b 6.0	0	0	0	0	0
14	b 2.0	95	135	0.3	157	58	32	0	0	0	0	0
15	b 1.5	130	121	0	171	50	b 2.5	0	0	0	0	0
16	3.1	139	121	15	159	265	b 7.0	0	0	0	0	0
17	121	130	93	121	152	386	23	0	0	0	0	87
18	144	125	19	139	152	31	b 6.0	0	0	0	0	80
19	149	125	135	144	148	119	b 4.0	0	0	0	0	237
20	149	74	139	144	141	133	b 4.0	0	0	0	0	+
21	149	1.0	139	144	148	137	62	0	0	0	0	0
22	149	0	98	125	144	119	b 6.0	0	0	0	0	0
23	144	0	106	135	144	123	4.5	0	0	0	0	20
24	139	12	114	139	144	137	3.5	0	0	0	0	167
25	135	121	114	135	137	144	b 2.5	0	0	0	0	175
26	125	130	110	121	130	126	175	0	0	0	0	127
27	121	144	95	125	112	137	b 7.0	0	0	0	0	0
28	117	144	91	125	5.5	188	4.0	0	0	0	0	0
29	125	144	98	78		b 7.0	3.0	0	0	0	0	0
30	125	104	98	2.2		22	b 3.0	0	0	0	0	0
31	80		85	15		123		0		0	0	
	3,598.6	2,468.5	2,512.6	2,775.3	4,842.9	2,620.6	1,661.5	13.6	0	0	0	893.0
MEAN	116.	82.3	81.1	89.5	173.	84.5	55.4	0.44	0	0	0	29.8
ACRE-FEET	7140.	4900.	4980.	5500.	9610.	5200.	3300.	27.	0	0	0	1770.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 58.6
ACRE-FEET 42430.





STATION F262-R
SAN GABRIEL RIVER at Florence Avenue

LOCATION: LAT. 33°56'20", LONG. 118°06'00", ON THE DOWNSTREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT TWO MILES EAST OF DOWNEY, ELEVATION OF ZERO GAGE HEIGHT, 102.01 FEET. (PUBLISHED IN ERROR AS 105.00 FEET 1951 TO 1957 INCLUSIVE.)

DRAINAGE AREA: 216.2 SQUARE MILES (CORRECTED TO 1961) (EXCLUSIVE OF AREA ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: SHIFTING SAND BOTTOM - TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: SUBJECT TO THE SAME REGULATIONS AS STATION F263B-R, SAN GABRIEL RIVER AT BEVERLY BOULEVARD.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING. VARIABLE QUANTITIES OF IRRIGATION WASTE RETURNS ARE RECORDED AT STATION.

RECORDS AVAILABLE: FEBRUARY 27, 1937 TO MARCH 22, 1949, RECORDER RECORD LOST FROM AUGUST 19,1938 TO NOVEMBER 23, 1938 DUE TO THEFT OF RECORDER. FOR EARLIER RECORDS SEE STATION F237-R SAN GABRIEL RIVER AT TELEGRAPH ROAD. RECORDER OUT MARCH 22, 1949 TO JANUARY 26, 1951. AVAILABLE FROM JANUARY 26, 1951 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 6470 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 4270 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1937-63
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 15,960 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	e 0.6	0	0	e 2.0	0	0	0	0	0	0	0
2	0	e 2.0	631	0	0	0	0	0	0	0	0	0
3	0	0	49	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	e 2.0	0	0	0	0	0	0
5	0	0	0	0	0	e 3.0	0	0	0	0	0	0
6	0	0	0	0	0	d 2	0	0	0	0	0	0
7	0	0	0	0	1.4	15	0	0	0	0	16	0
8	0	0	0	0	1310	0	0	0	0	0	3.2	0
9	0	0	0	e 5.0	418	0	0	0	0	0	0	0
10	0	0	0	e 1.0	31	0	0	0	0	0	0	0
11	0	0	0	0	2170	0	0	0	0	0	0	0
12	0	0	0	0	316	0	0	0	0	0	0	0
13	0	0	0	+	140	0	0	0	0	0	0	0
14	0	0	0	20	9.5	0	0	e 5.0	e 1.0	0	0	0
15	0	0	0	0.4	3d2	0	0	3.0	0	0	0	0
16	0	0	0	0	76	0	0	3.0	0	0	0	0
17	0	0	0	0	50	0	0	e 1.0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	741	0	e 0.8	0	0	0	0	0
20	0	322	0	567	404	0	6.0	0	0	0	0	0
21	0	4.4	0	3.4	394	0	4.0	0	0	0	0	0
22	0	11	0	123	1d5	0	6.0	0	0	0	0	0
23	0	9.0	0	21	0	0	e 4.0	0	0	0	0	0
24	e 16	0	0	0	0	0	0	0	0	0	0	0
25	1.0	0	0	0	10	0	e 3.4	0	0	0	0	0
26	6.0	4.9	0	e 3.0	0	0	e 7.0	0	0	0	0	0
27	e 3.0	0	0	0	0	0	0	0	0	0	0	0
28	0	1.0	0	0	0	0	0	0	0	0	0	0
29	e 3.0	0	0	e 10		0	+	0	0	0	0	0
30	0	0	0	e 13		0	0	0	0	0	0	0
31	0		0	e 6.0		0		0		0	0	
	38.0	354.9	680.0	772.8	6639	102.0	31.2	12.0	1.0	0	19.2	0
MEAN	1.12	11.8	21.9	24.9	243.	3.29	1.04	0.39	0.03	0	0.54	0
ACRE-FEET	75.	704.	1210.	1530.	13500.	202.	62.	24.	20.	0	38.	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 23.7
ACRE-FEET 17,350.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

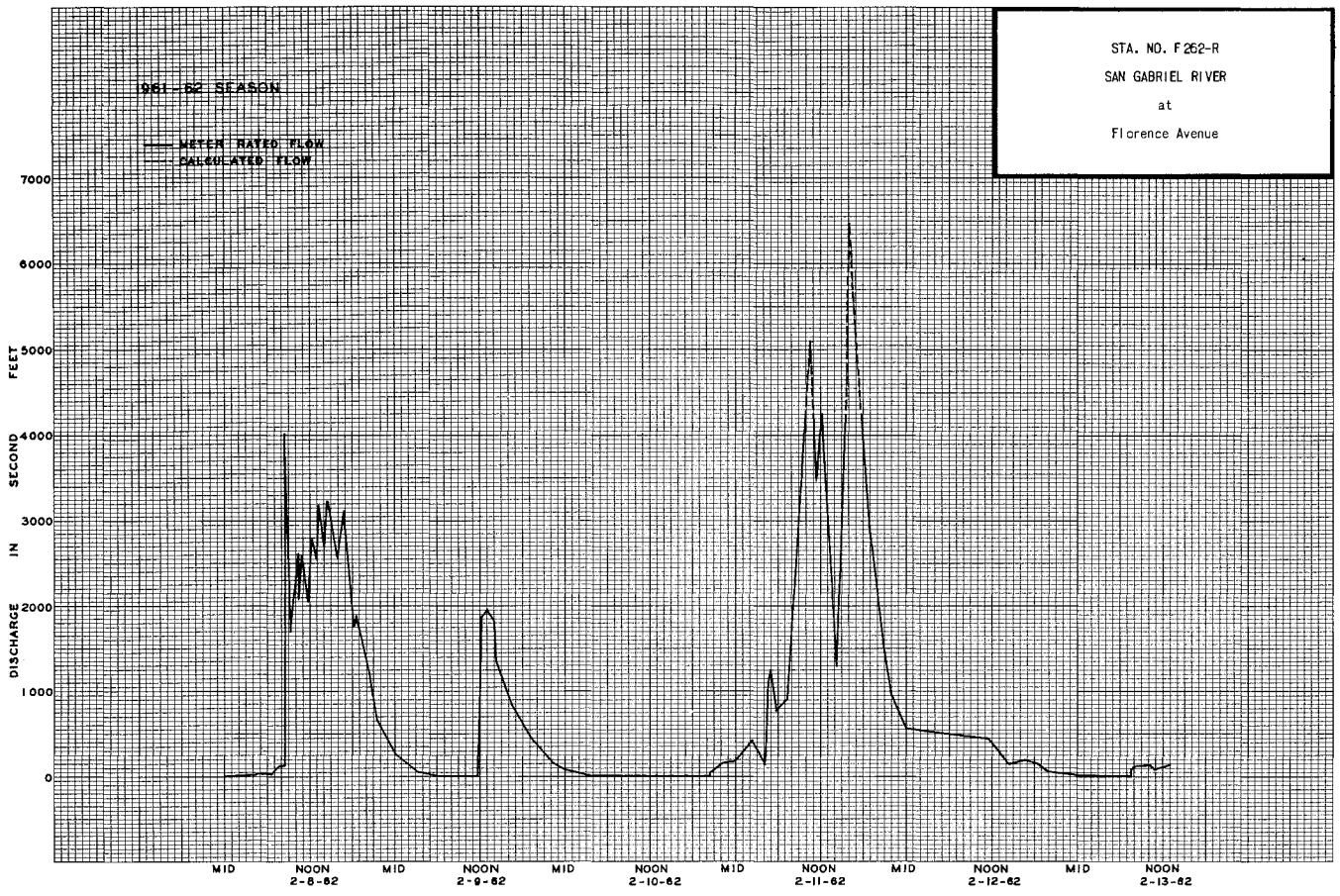
Sta. No. F262-R

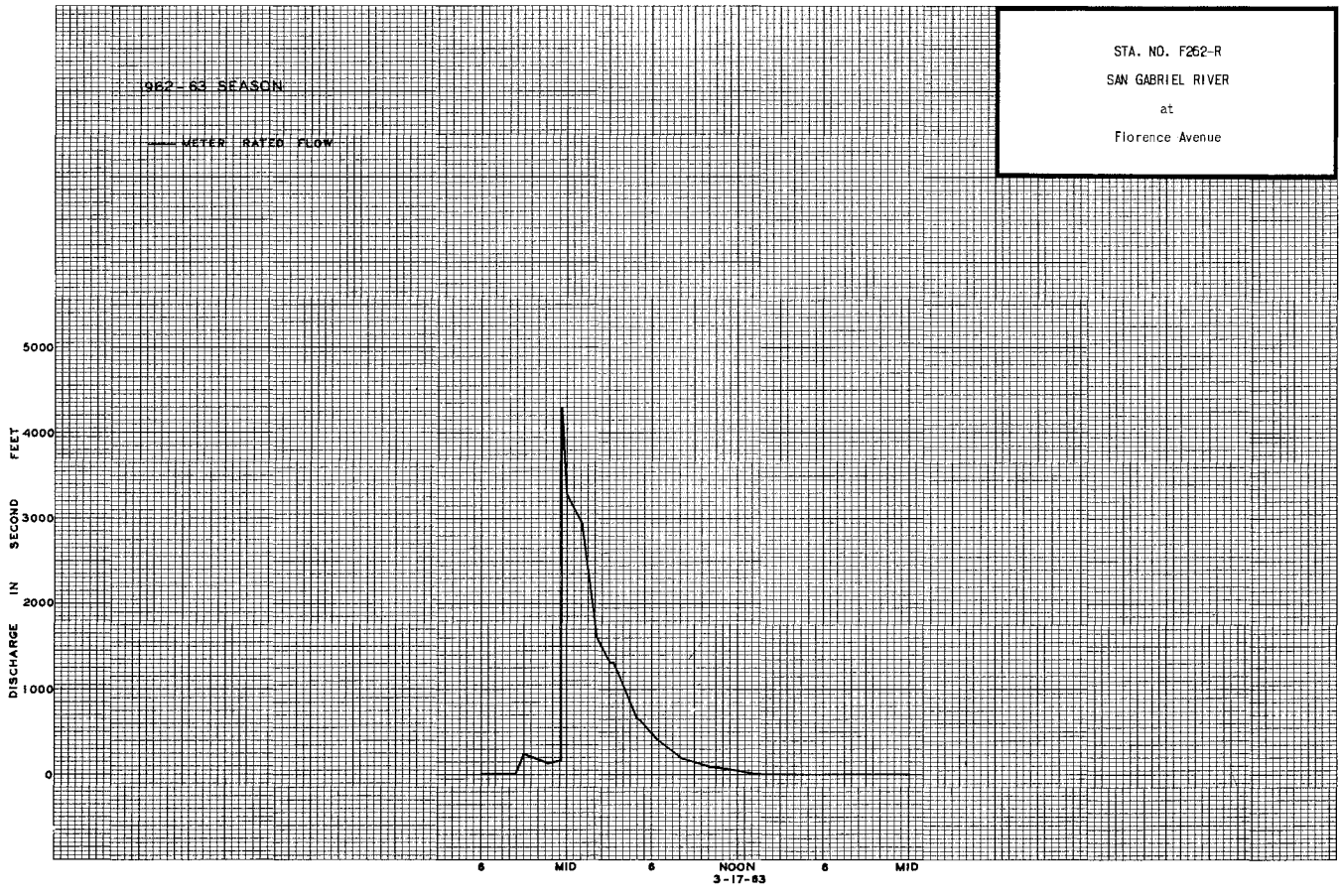
Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.7	0	0	0	0	0	0	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	662	0	0	0	0	0	0	0
10	0	0	0	0	1190	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	b 0.2	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	84	0	0	0	0	0	0
17	0	0	0	0	0	444	0	0	0	0	0	0
18	0	0	0	0	0	5.5	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	4.5
20	0	0	0	0	0	0	+	0	0	0	0	0
21	0	0	0	0	0	0	+	0	0	0	0	0
22	0	0	0	0	0	4.0	0	0	0	0	0	0
23	0	0	0	0	0	19	0	0	0	0	0	0
24	0	0	0	0	0	5.7	0	0	0	0	0	0
25	0	0	0	5.6	0	1.0	0	0	0	0	0	0
26	0	0	0	0	0	0	12	0	0	0	0	0
27	0	0	0	0	0	0	0.2	0	0	0	0	0
28	0	0	0	0	0	122	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	1.9		0		0		0	0	
	0	0	0	7.5	1852.7	685.2	12.4	0	0	0	0	45.0
MEAN	0	0	0	0.24	66.2	22.1	0.41	0	0	0	0	1.50
ACRE-FEET	0	0	0	15.	3670.	1360.	25.	0	0	0	0	89.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.13
ACRE-FEET 5160.


STA. NO. F262-R
SAN GABRIEL RIVER
at
Florence Avenue
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
7000
6000
5000
4000
3000
2000
1000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID
NOON
2-13-62


STA. NO. F262-R
SAN GABRIEL RIVER
at
Florence Avenue
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
5000
4000
3000
2000
1000
0
6
MID
6
NOON
3-17-63
6
MID

STATION F42-R
SAN GABRIEL RIVER at Spring Street, Long Beach

LOCATION: LAT. 33°48'38", LONG. 118°05'24", ON DOWNSTREAM SIDE OF SPRING STREET BRIDGE ABOUT FOUR MILES EAST OF SIGNAL HILL NEAR LONG BEACH. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED IN 1924 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 12.25 FEET.

DRAINAGE AREA: 231.0 SQUARE MILES (CORRECTED TO 1961) (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADOBE BOTTOM, TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 200 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: SUBJECT TO SAME REGULATIONS AS STATION F262-R, SAN GABRIEL RIVER AT FLORENCE AVENUE.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO MAY 4, 1951; APRIL 9, 1952 TO SEPTEMBER 30, 1963. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7350 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 4120 SECOND-FEET MARCH 17.
MINIMUM NO FLOW MOST OF YEAR.
1927-63
MAXIMUM 27,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, LOCATED BY THE STATE DIVISION OF WATER RIGHTS.

76D74M Gb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F42-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street, for the year ending September 30, 19 62

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	711	0	0	0	0	0	0	0	0	0
3	0	0	d 0	0	0	0	0	0	0	0	0	0
4	0	0	b 2.0	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	65	0	0	0	0	0	0
7	0	0	0	0	0	83	0	0	0	0	0	0
8	0	0	0	0	1800	1.9	0	0	0	0	0	0
9	0	0	0	0	893	+	0	0	0	0	0	0
10	0	0	0	0	126	+	0	0	0	0	0	0
11	0	0	0	0	2940	+	0	0	0	0	0	0
12	0	0	0	0	618	0	0	0	0	0	0	0
13	0	0	0	0	199	0	0	0	0	0	0	0
14	0	0	0	0	65	0	0	0	0	0	0	0
15	0	0	0	0	702	0	0	0	0	0	0	0
16	0	0	0	0	188	0	0	0	0	0	0	0
17	0	0	0	0	149	0	0	0	0	0	0	0
18	0	0	0	0	1.0	5.2	0	0	0	0	0	0
19	0	0	0	0	689	2.5	0	0	0	0	0	0
20	0	446	0	656	446	0	0	0	0	0	0	0
21	0	95	0	74	251	0	0	0	0	0	0	0
22	0	0	0	119	117	0	0	0	0	0	0	0
23	0	0	0	32	10	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	b 1.0	0	0	0	0	0	0	0	0	0	0
26	0	b 1.0	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	552.0	793.0	881.0	9194.0	180.1	0	0	0	0	0	0
MEAN	0	18.4	26.0	284	328.	5.81	0	0	0	0	0	0
ACRE-FEET	0	1090.	1570.	1750.	18300.	357.	0	0	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 32.0
ACRE-FEET 23,070.

74D74M Cib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

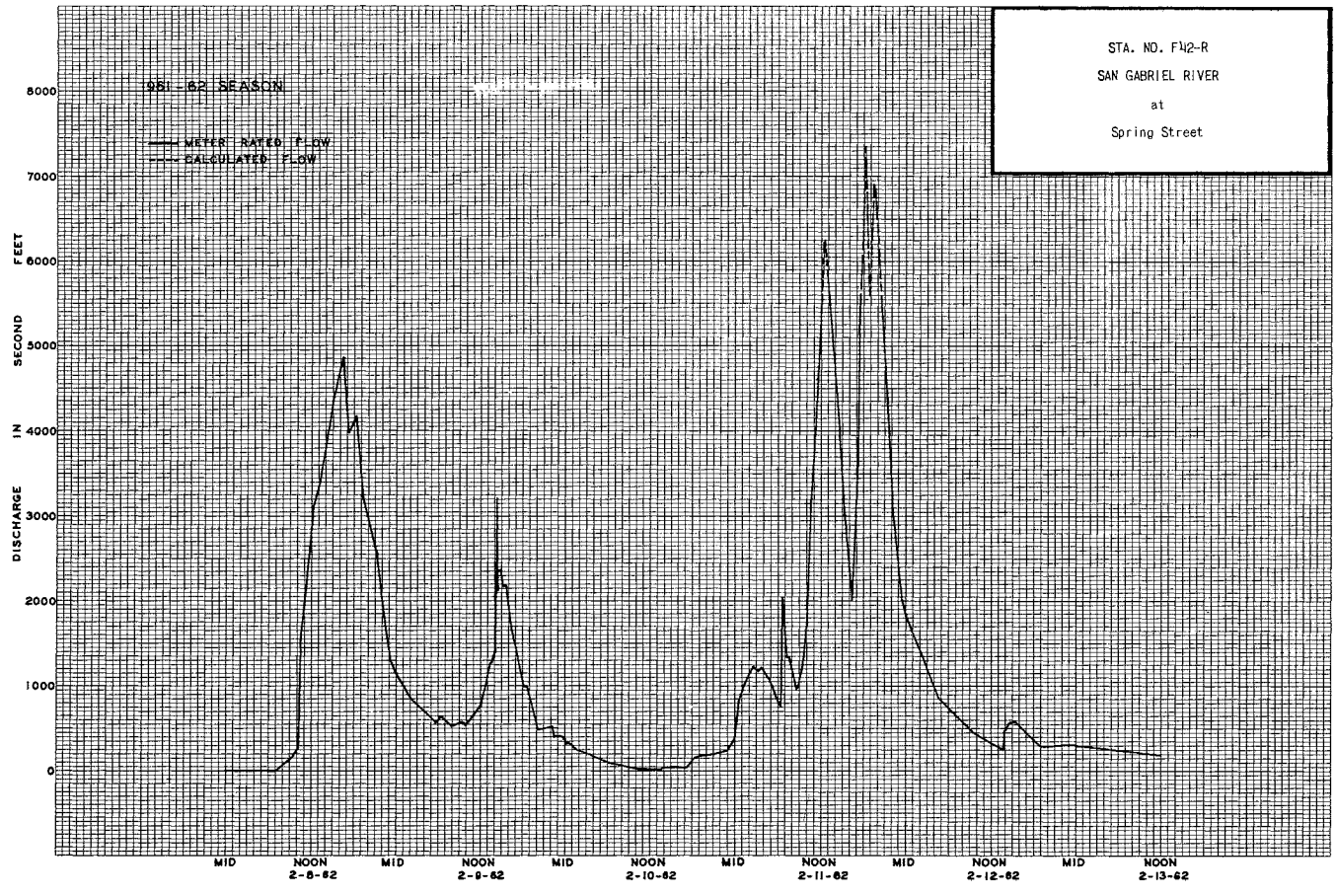
Sta. No. F42-R

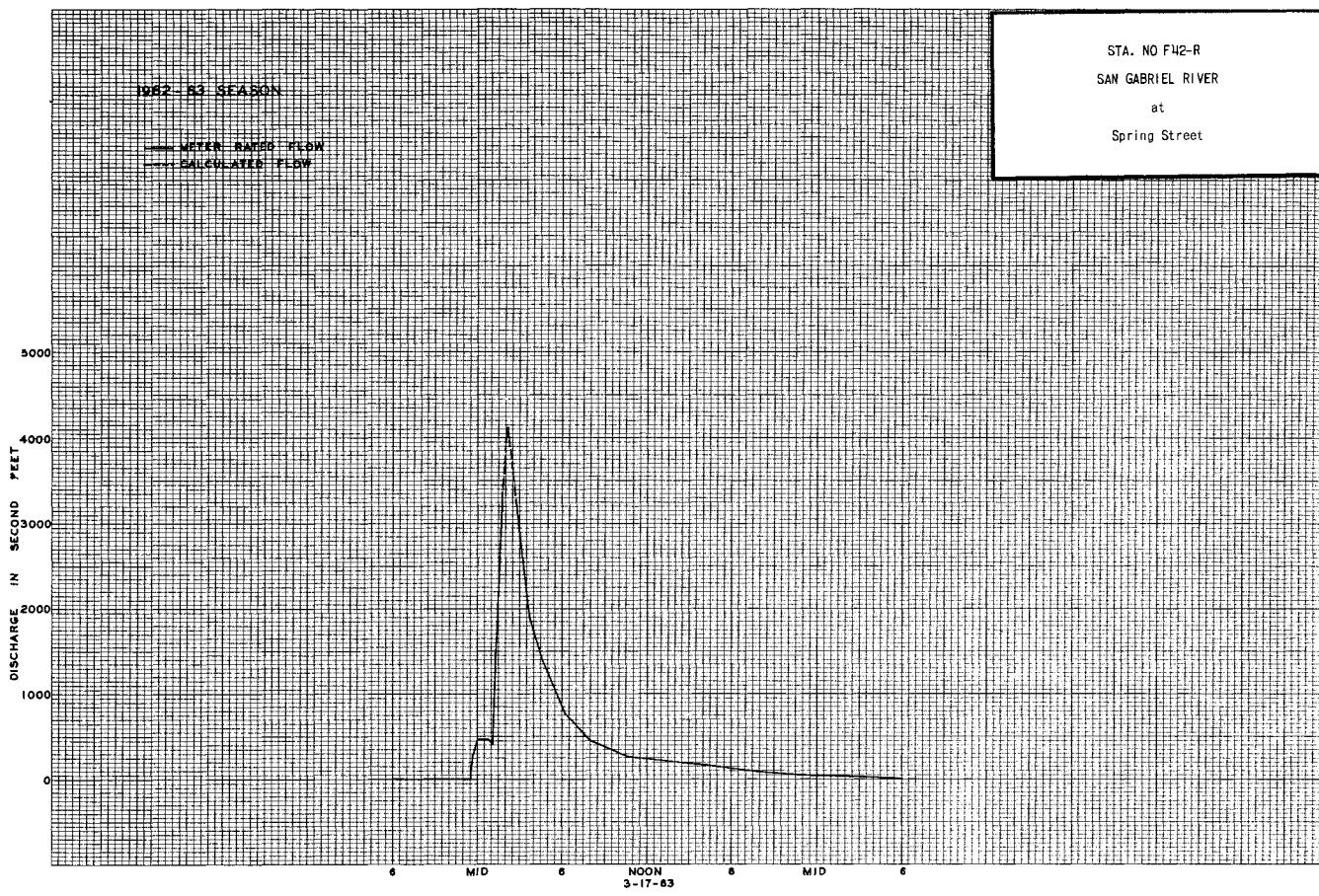
Daily discharge, in second-feet of SAN GABRIEL RIVER at Spring Street, Long Beach for the year ending September 30, 19 63

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	338	0	0	0	0	0	0	0
10	0	0	0	0	1,530	0	0	0	0	0	0	0
11	0	0	0	0	19	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	3.5	0	0	0	0	0	0	0
15	0	0	0	0	0.4	0	0	0	0	0	0	0
16	0	0	0	0	0	5.8	0	0	0	0	0	0
17	0	0	0	0	0	625	0	0	0	0	0	0
18	0	0	0	0	0	4.1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1.0
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	0.8	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	12	0	0	0	0	0
27	0	0	0	0	0	0	0.1	0	0	0	0	0
28	0	0	0	0	0	111	0	0	0	0	0	0
29	0	0	0	0		16	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	1891.0	762.7	12.1	0	0	0	0	1.0
MEAN	0	0	0	0	67.5	24.6	0.40	0	0	0	0	0.03
ACRE-FEET	0	0	0	0	3750.	1510.	24.	0	0	0	0	2.0

Remarks:

YEAR OR PERIOD MEAN 7.31
ACRE-FEET 5290.





STATION F312-R

SAN JOSE CHANNEL above Workman Mill Road

LOCATION: LAT. 34°01'55", LONG. 118°06'39", ON THE RIGHT (NORTH) BANK 1650 FEET ABOVE THE WORKMAN MILL ROAD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 248.52 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 83.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL WITH EARTHEN BOTTOM AND GROUTED SLOPES. 147.5 FEET BOTTOM WIDTH AND 225.0 FEET TOP WIDTH. BANKS ARE 2.3 TO 1.0 SLOPE. THERE IS A ROCK STABILIZER BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS ARE MEASURED FROM A CABLE CAR 25 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: DIVERSION UPSTREAM DESIGNED FOR APPROXIMATELY THE FIRST 200 SECOND-FEET OF FLOW TO GO INTO SAN JOSE CREEK.

RECORDS AVAILABLE: SEPTEMBER 13, 1955 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:

1961-62
MAXIMUM 3800 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.

1962-63
MAXIMUM 1940 SECOND-FEET MARCH 16.
MINIMUM NO FLOW AT VARIOUS TIMES.

1955-63
MAXIMUM 5180 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REMARKS: POMONA SEWER PLANT RELEASES SOME FLOW TO SAN JOSE CREEK ABOVE SPADRA AND ALSO AT LEMON STREET NEAR CITY OF INDUSTRY.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F312-R

Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0	+	b 0.2	3.8	2.6	1.4	+	0	0
2	0	0	273	0		b 0.1	3.5	1.9	1.4		0	0
3	0	0	76	0		b 0.1	3.5	1.9	0.9		0	0
4	0	0	0.1	0		+	2.9	2.3	1.6	+	0	0
5	0	0	+	0		+	3.0	2.6	1.6	0	0	0
6	0	0		0	+	2.7	3.2	1.6	0.4	0	0	0
7	0	0		0	1.8	0.7	3.5	1.6	+	0	0	0
8	0	0		0	646	b 0.3	2.9	1.2	0	0	0	0
9	0	0		0	224	0.5	2.1	0.7	0	0	0	0
10	0	0		0	29	0.8	2.3	0.5	+	0	0	0
11	0	0		0	1225	0.2	1.0	0	+	0	0	0
12	0	0		+	86	b 0.1	1.9	0	0.1	0	0	0
13	0	0		6.7	b 0.3	+	2.6	0	0.2	0	0	0
14	0	0		+	b 0.5	0	2.9	0	0.3	0	0	0
15	0	0	+	+	525	0	2.6	0.1	0.1	0	0	0
16	0	0	0		90	0	2.9	14	0.1	0	0	0
17	0	0	0		1.4	0	3.5	b 1.0	0.1	0	0	0
18	0	0	0		0.1	1.2	1.4	0.6	0.1	0	0	0
19	0	0	0	+	665	2.5	0	0.6	+	0	0	0
20	0	69	0	304	162	+	1.1	b 0.5	+	0	0	0
21	0	4.1	0	2.1	133	+	4.3	0.4	0	0	0	0
22	0	0.1	0	30	12	0.4	3.6	0.4	0.2	0	0	0
23	0	+	0	1.8	b 0.6	4.3	3.6	1.2	+	0	0	0
24	0	0	0	+	1.0	b 4.3	3.2	1.6		0	0	0
25	0	1.5	0		2.0	4.0	3.2	1.6		0	0	0
26	0	3.4	0		0.5	3.8	3.6	1.2		0	0	0
27	0	+	0		0.4	b 3.6	3.2	2.1		0	0	0
28	0	+	0		b 0.5	3.5	3.2	1.8		0	0	0
29	0	0	0			3.5	2.6	1.8		0	0	0
30	0	0	0			3.8	2.3	1.8	+	0	0	0
31	0		0	+		4.0		1.6		0	0	
	0	91.6	349.1	344.6	3610.3	68.9	84.2	48.8	8.9	+	0	0
MEAN	0	3.05	11.3	11.1	136.	2.22	2.88	1.57	0.30	+	0	0
ACRE-FEET	0	182.	692.	684.	7560.	137.	167.	97.	18.	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 13.2
ACRE-FEET 9540.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

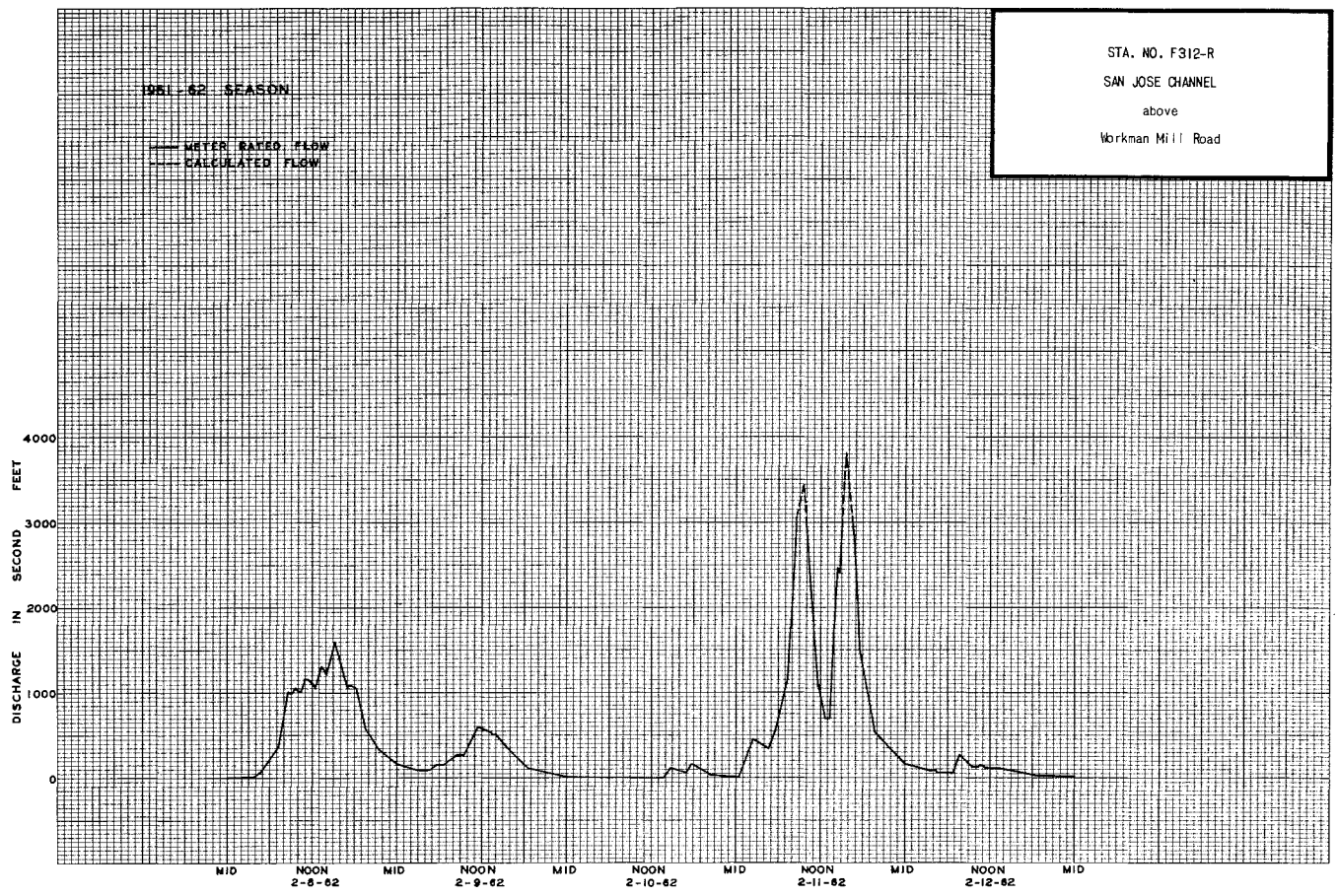
Sta. No. F312-R

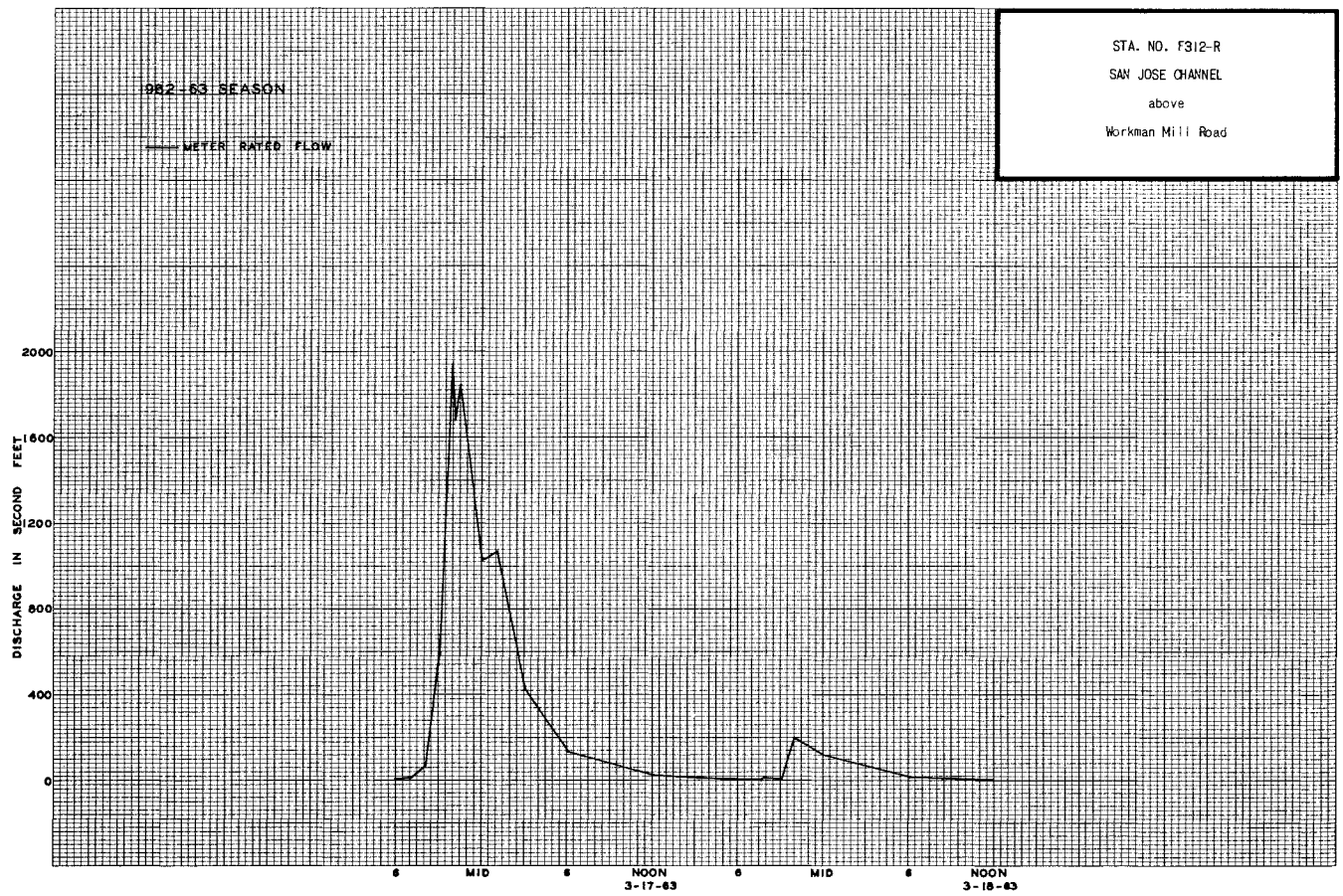
Daily discharge, in second-feet of SAN JOSE CHANNEL above Workman Mill Road, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0.7	24	b 0.1	7.8	4.3	2.9	1.0	c 0.4	+ +
2	0	0		0.7	3.5	0.6	5.6	4.6	3.8	0.7	c 0.1	+ +
3	0	0		0.4	1.8	0.1	4.0	4.3	4.2	0.3	c 0.1	+ +
4	0	0		0.2	1.8	b 0.1	4.6	4.3	3.8	0.7	+	1.3
5	0	0.2		0.2	2.1	3.4	3.5	3.8	3.8	0.4		2.3
6	0	0.9		0.5	1.8	b 0.1	4.0	4.0	1.8	0.9		c 0.2
7	0	0.7		1.0	1.8	4.6	3.8	4.3	1.9	0.4	+	+
8	0	0.4		0.5	1.8	5.2	4.3	4.3	2.1	0.7	c 0.1	
9	0	0.4		0.5	401	9.4	5.2	3.8	1.9	0.4	c 0.2	
10	0	0.5		1.3	581	5.8	5.2	b 3.8	2.1	+	c 0.1	
11	0	0.7		1.9	7.8	5.8	4.3	3.9	3.2	+	+	
12	0	0.6		1.8	2.3	4.0	4.6	3.9	2.8	0.7		
13	0	0.3		1.9	1.8	b 0.6	5.2	b 4.0	1.9	0.4		+
14	0	0.7		2.3	36	b 0.2	51	4.0	1.8	+		c 0.2
15	0	0.9		1.9	2.9	b 0.8	17	4.0	1.8	+		c 0.1
16	0	0.6		1.9	4.3	192	4.3	3.8	1.8	+	+	c 0.2
17	0	0.3		0.7	4.3	186	34	4.0	1.6	0	c 0.1	89
18	0	0.2		0.5	4.3	21	8.3	4.0	0.9	0	0.1	99
19	0	0.1		0.7	5.6	4.6	7.8	3.5	0.9	+	0.2	193
20	0	+		1.8	4.9	b 1.3	12	3.2	0.5		c 0.1	3.2
21	0			1.9	4.6	b 0.5	32	3.8	1.2		+	1.9
22	0			1.2	4.9	b 0.2	8.7	3.8	1.8		c 0.2	1.9
23	0			1.6	4.3	7.4	8.7	4.0	1.2		0.3	1.8
24	0		+	1.4	3.8	b 0.2	4.9	3.8	0.7		0.1	2.9
25	0		0.3	3.2	3.5	b 0.2	9.2	4.9	1.2	+	0.2	3.2
26	0		0.4	2.3	4.9	2.8	118	2.6	0.7	c 0.1	c 0.1	0.3
27	0		0.3	2.1	3.5	3.8	6.5	2.6	1.2	c 0.2	+	0.7
28	0		0.3	2.1	b 0.1	61	4.9	3.8	1.0	+	+	2.6
29	0		0.3	2.1		6.5	5.2	2.9	0.4	0	+	2.1
30	0	+	0.5	2.6		4.9	4.9	3.2	1.0	+	c 0.1	1.2
31	0		0.7	3.0		5.2		4.3		0.4		
	0	7.1	2.8	83.6	1124.4	542.3	399.5	119.5	55.8	7.3	2.5	439.5
MEAN	0	0.24	0.09	2.70	40.2	17.5	13.3	3.85	1.86	0.23	0.08	14.6
ACRE-FEET	0	14.	5.6	166.	2230.	1080.	792.	237.	111.	14.	5.0	872.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 7.63
ACRE-FEET 5530.


STA. NO. F312-R
SAN JOSE CHANNEL
above
Workman Mill Road
1961-62 SEASON
METER RATED FLOW
CALCULATED FLOW
DISCHARGE IN SECOND FEET
4000
3000
2000
1000
0
MID
NOON
2-8-62
MID
NOON
2-9-62
MID
NOON
2-10-62
MID
NOON
2-11-62
MID
NOON
2-12-62
MID


STA. NO. F312-R
SAN JOSE CHANNEL
above
Workman Mill Road
1962-63 SEASON
METER RATED FLOW
DISCHARGE IN SECOND FEET
2000
1600
1200
800
400
0
6
MID
6
NOON
3-17-63
6
MID
6
NOON
3-18-63

STATION F48-R
SAN JOSE CREEK at Workman Mill Road

LOCATION: LAT. 34°01'24", LONG. 118°02'05", ON THE DOWNSTREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT THREE MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT 213.46 FEET. (GAGE LOWERED 1.39 FEET SEPTEMBER 16, 1952.)

DRAINAGE AREA: CONTROLLED BY DIVERSION TO SAN JOSE CHANNEL.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: SMALL DIVERSION FOR SPREADING (SEE STATION F276-R). SAN JOSE CHANNEL DIVERTS ALL STORM FLOWS EXCEPT APPROXIMATELY THE FIRST 200 CFS.

RECORDS AVAILABLE: JANUARY 2, 1929 TO SEPTEMBER 30, 1963. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

REMARKS: DIVERSION UPSTREAM, CONSTRUCTED IN 1955. DESIGNED FOR ALL FLOW OVER 200 SECOND-FEET TO GO INTO SAN JOSE CHANNEL. IT IS NECESSARY TO COMBINE RECORDS OF STATIONS F48-R AND F312-R SAN JOSE CHANNEL AFTER OCTOBER 1, 1955, TO ARRIVE AT FLOW CONDITIONS PRIOR TO THIS DATE.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 198 SECOND-FEET FEBRUARY 11.
MINIMUM 0.1 SECOND-FEET AT VARIOUS TIMES.
1962-63
MAXIMUM 21. SECOND-FEET MARCH 16.
MINIMUM 0.2 SECOND-FEET AT VARIOUS TIMES.
1928-63
MAXIMUM 13,100 SECOND-FEET JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD FOR LOW FLOWS.

REMARKS: POMONA SEWER PLANT RELEASES SOME FLOW TO SAN JOSE CREEK ABOVE SPADRA AND AT LEMON STREET NEAR CITY OF INDUSTRY.

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

76D74M Gdb 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.5	1.3	2.1	3.1	9.2	0.5	0.5	1.4	1.1	0.7	0.6
2	0.3	0.4	1.2	2.0	3.1	9.2	b 0.1	0.4	1.6	1.0	0.7	0.6
3	0.3	0.4	1.2	2.3	3.4	8.8	0.1	0.3	1.6	0.9	0.5	0.6
4	0.3	0.5	5.0	1.6	3.4	8.4	0.1	0.3	1.6	0.8	0.4	0.5
5	0.4	0.5	2.3	1.3	3.5	8.4	b 0.1	0.3	1.2	0.7	0.4	0.4
6	0.5	0.5	1.9	1.8	3.6	22	a 0.1	0.2	2.1	0.6	0.4	0.4
7	0.5	0.5	1.8	1.6	5.7	11	0.1	0.2	4.3	0.6	0.5	0.5
8	0.5	0.6	1.8	0.8	7.9	5.6	0.2	0.2	4.4	0.8	0.5	0.5
9	0.5	0.6	2.2	0.5	7.8	6.2	0.3	0.3	3.0	1.0	0.5	0.5
10	0.5	0.6	1.9	1.2	4.9	10	0.5	0.3	3.2	0.7	0.5	0.5
11	0.5	0.6	2.0	1.2	115	6.0	0.6	0.2	3.2	0.7	0.7	0.5
12	0.5	0.5	1.8	2.0	38	5.1	0.6	1.2	3.8	0.6	0.7	0.5
13	0.5	0.4	1.8	22	15	5.1	0.7	1.3	2.7	1.1	0.9	0.5
14	0.6	0.4	2.3	3.6	12	5.2	0.7	2.5	2.9	1.1	1.0	0.5
15	0.6	0.4	2.3	2.3	48	5.4	a 0.8	1.2	3.1	1.0	1.0	0.6
16	0.6	0.5	2.2	2.7	44	5.4	0.6	4.7	2.9	0.9	1.0	0.5
17	0.6	0.5	2.1	2.5	13	5.1	1.2	3.9	2.5	1.0	0.8	0.5
18	0.6	0.5	1.8	2.5	9.9	5.6	3.0	2.7	2.1	1.0	0.8	0.5
19	0.6	0.5	1.8	2.2	57	11	5.4	2.7	1.6	1.0	0.6	0.5
20	0.7	1.1	1.9	34	44	7.9	2.9	2.4	1.6	0.8	0.8	0.5
21	0.8	1.2	1.8	29	44	5.7	0.7	2.5	1.4	0.8	0.8	0.4
22	0.9	2.6	1.8	53	26	5.7	0.5	2.7	1.6	0.7	0.8	0.5
23	1.0	2.2	2.0	27	13	11	b 0.4	2.1	3.2	0.7	0.7	0.6
24	1.0	1.8	1.9	6.3	12	5.2	b 0.4	1.5	2.1	0.8	0.7	0.5
25	1.2	6.4	2.0	4.4	16	5.2	b 0.3	2.6	1.6	1.0	0.6	0.6
26	1.2	16	1.8	3.6	11	5.1	0.2	4.6	2.1	1.0	0.6	0.5
27	1.0	2.6	2.1	3.6	9.9	5.1	0.2	1.5	1.9	0.8	0.8	0.6
28	0.8	1.5	2.3	3.7	9.2	3.7	0.4	1.2	1.0	0.8	0.7	0.8
29	0.7	1.5	2.6	2.8		2.5	0.5	1.5	0.8	0.7	0.7	0.7
30	0.7	1.4	2.4	2.9		2.9	0.5	2.7	0.9	0.7	0.7	0.6
31	0.6		2.2	3.5		4.1		2.0		0.7	0.8	
	19.6	58.7	85.1	230.0	768.8	216.8	22.9	61.5	67.6	26.3	21.9	16.4
MEAN	0.64	1.96	2.74	7.42	27.4	6.99	0.76	1.98	2.26	0.85	0.71	0.55
ACRE-FEET	40.	116.	169.	456.	1520.	430.	45.	122.	134.	52.	43.	33.

Remarks:

YEAR OR PERIOD MEAN 4.37
ACRE-FEET 3160.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

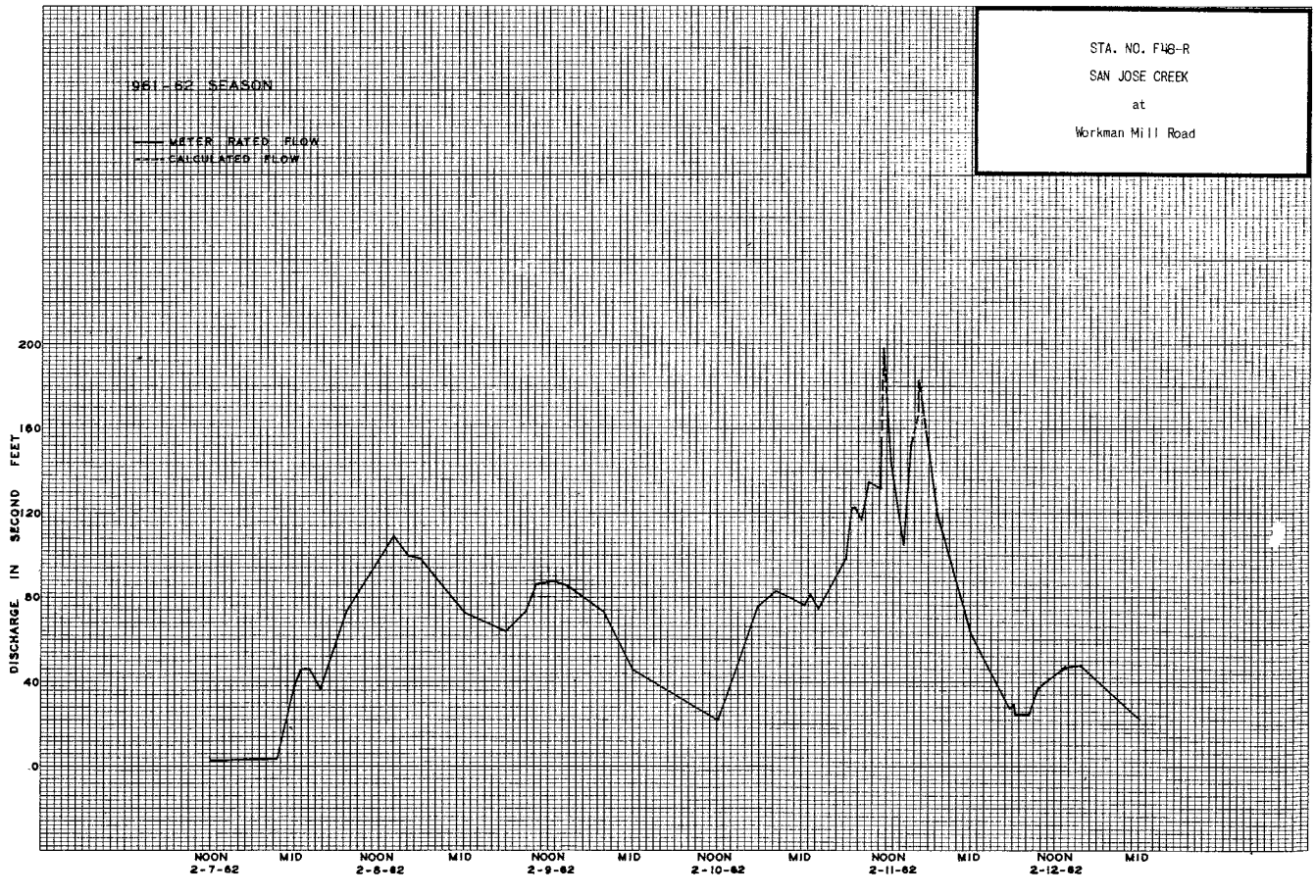
Sta. No. F48-R

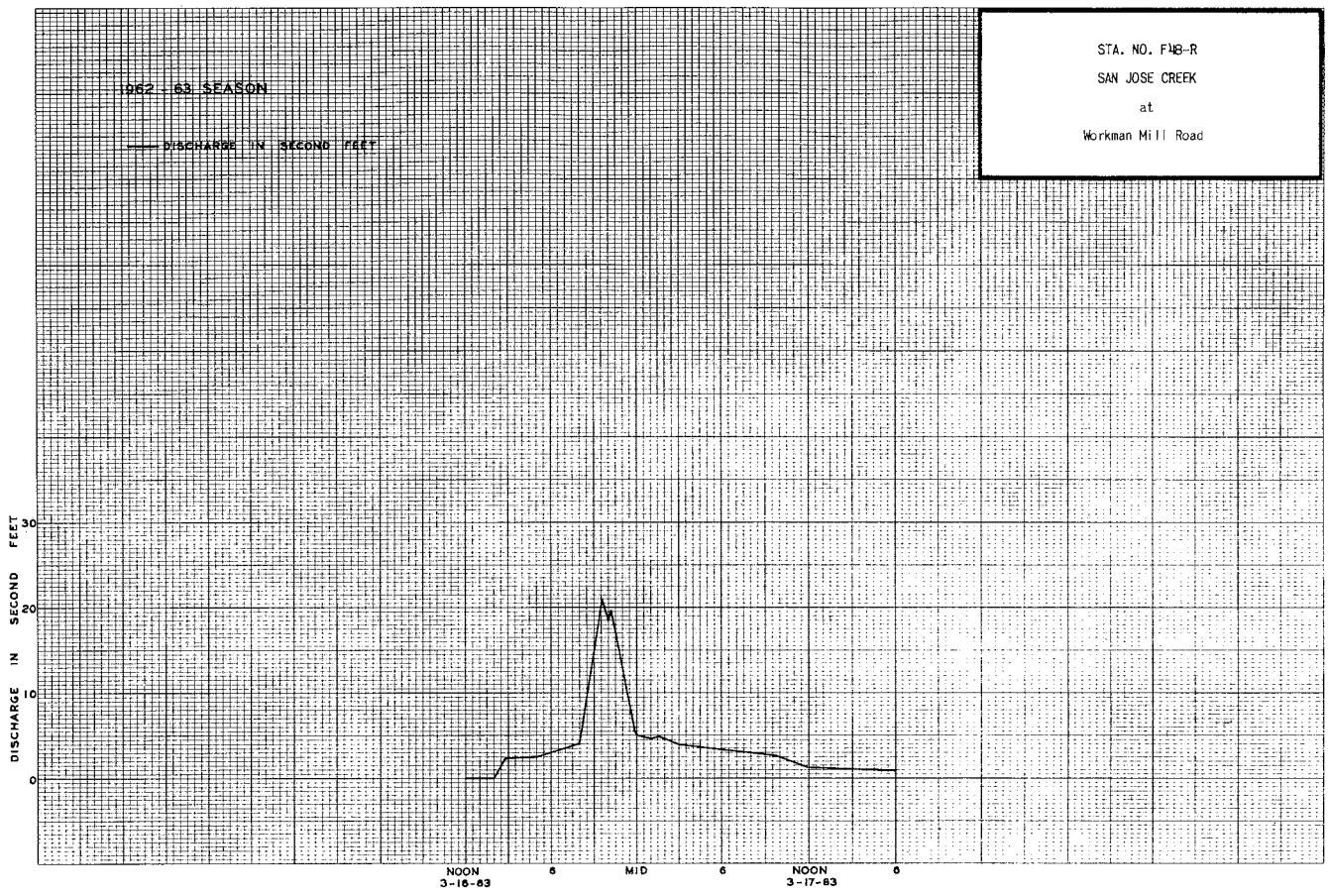
Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.5	0.5	b 0.3	0.2	0.1	0.2	+	0.6	0.3	0.4	0.5
2	0.5	0.7	0.4	b 0.2	0.1	0.1	0.2	0.1	0.7	0.4	0.5	b 0.5
3	0.5	0.7	0.5	0.2	b 0.1	0.1	0.1	0.1	0.7	0.4	0.5	b 0.5
4	0.5	0.7	0.4	0.2	b 0.1	0.1	0.1	0.1	0.5	0.2	0.5	0.5
5	0.5	0.6	0.4	0.2	b 0.1	0.1	0.1	0.1	0.4	0.1	0.5	0.7
6	0.6	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.4	0.1	0.6	0.8
7	0.7	0.4	0.5	0.2	0.1	0.1	0.1	0.1	0.3	0.1	0.7	0.8
8	0.7	0.4	0.7	0.2	b 0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.7
9	0.5	0.4	0.7	0.1	1.2	0.1	0.1	0.1	0.5	0.7	0.5	0.5
10	0.4	0.5	0.6	0.1	2.8	0.1	0.1	0.1	0.5	0.6	0.4	0.6
11	0.5	0.5	0.6	0.1	b 0.3	0.1	0.1	0.1	0.4	0.5	0.2	0.7
12	0.6	0.5	0.7	0.1	b 0.3	0.1	0.1	0.1	0.3	0.4	0.7	0.7
13	0.7	0.5	0.4	0.1	b 0.2	0.1	b 0.1	0.2	0.3	0.4	0.9	0.6
14	0.7	0.4	0.4	0.1	0.2	0.1	0.2	0.2	0.3	0.4	0.8	0.5
15	0.6	0.4	0.4	0.1	0.1	+	0.2	0.2	0.2	0.1	0.8	0.4
16	0.5	0.4	0.4	0.1	0.1	2.9	0.1	0.2	0.2	b 0.1	0.7	0.3
17	0.4	0.5	0.4	0.1	0.1	2.0	0.1	0.4	0.4	b 0.1	0.7	0.7
18	0.3	0.5	0.4	0.1	+	0.2	0.1	0.6	0.5	b 0.1	0.7	0.8
19	0.4	0.4	0.4	0.1	+	0.1	0.2	0.7	0.8	0.1	0.7	0.7
20	0.4	0.4	0.4	0.1	0.1	0.1	0.2	0.8	0.5	0.1	0.6	0.4
21	0.5	0.5	0.4	0.2	0.1	0.2	0.2	0.8	0.2	0.1	0.7	0.4
22	0.5	0.4	0.5	0.2	+	0.2	0.1	0.7	0.2	0.1	0.5	0.2
23	0.5	0.5	0.5	0.2	|	0.2	0.1	0.6	0.1	0.1	0.4	0.2
24	0.5	0.5	0.5	0.2	|	0.2	0.1	0.5	0.1	0.2	0.3	b 0.2
25	0.5	0.5	0.5	0.2	+	0.2	0.3	0.4	0.2	0.3	0.2	b 0.2
26	0.5	0.5	0.4	a 0.2	0.1	0.1	0.4	0.4	0.5	0.5	0.5	0.2
27	0.5	0.4	0.4	a 0.2	0.1	0.1	0.1	0.4	0.4	0.8	0.5	0.1
28	0.5	0.4	b 0.4	a 0.1	0.1	0.2	0.1	0.4	0.4	1.0	0.5	0.1
29	0.5	0.4	0.4	0.1		0.2	0.1	0.3	0.3	0.7	0.5	0 2
30	0.4	0.5	0.3	0.1		0.2	0.1	0.4	0.3	0.5	0.5	0.4
31	0.4		b 0.3	0.3		0.2		0.5		0.5	0.5	
	15.8	14.5	14.2	4.9	6.7	8.7	4.2	9.8	11.6	10.4	17.0	14.1
MEAN	0.51	0.48	0.46	0.16	0.24	0.28	0.14	0.32	0.39	0.34	0.55	0.47
ACRE-FEET	31.	29.	28.	9.7	13.	17.	8.3	19.	23.	21.	34.	28.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.36
ACRE-FEET 261.





STATION U4-R
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: LAT. 34°11'30", LONG. 118°00'59", IN SW 1/4, NE 1/4, NE 1/4, SEC. 10, T.1N., R.11W., ON RIGHT BANK, AT HEAD OF HERMITS FALLS, 0.9 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND THREE MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE 1475.3 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1963.

AVERAGE DISCHARGE: 47 YEARS, 5.60 SECOND-FEET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1300 SECOND-FEET FEBRUARY 11, (GAGE HEIGHT 7.46 FEET).
MINIMUM DAILY 0.1 SECOND-FOOT SEVERAL DAYS.
1962-63
MAXIMUM 654 SECOND-FEET FEBRUARY 9, (GAGE HEIGHT 4.90 FEET.)
MINIMUM DAILY 0.6 SECOND-FOOT AUGUST 28.
1916-59
MAXIMUM DISCHARGE, ABOUT 5200 SECOND-FEET MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.
MINIMUM PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD, EXCEPT FOR PERIODS OF NO GAGE HEIGHT RECORD, WHICH ARE POOR, NO DIVERSIONS ABOVE STATION.

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

76D74M C3b 11-59

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, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.9	0.8	2.9	15	11	6.1	4.4	2.8	2.3	1.4
2	0.1	0.4	35	0.8	2.5	15	11	5.9	4.4	2.8	2.5	1.3
3	0.1	0.4	10	0.8	2.2	15	11	5.6	4.6	2.8	2.5	1.3
4	0.1	0.3	4.2	0.6	2.1	15	11	5.4	4.8	2.6	2.5	1.3
5	0.2	0.3	3.1	0.8	1.9	15	10	5.2	4.8	2.5	2.5	1.4
6	0.2	0.2	2.3	0.8	1.8	15	9.4	5.2	4.6	2.5	2.5	1.4
7	0.2	0.2	1.8	0.8	2.3	20	8.6	5.2	4.6	2.5	2.3	1.4
8	0.2	0.2	1.5	0.8	48	20	8.5	5.2	4.6	2.5	2.3	1.5
9	0.2	0.2	1.4	0.8	84	20	8.2	5.2	4.4	2.5	2.3	1.6
10	0.2	0.2	1.3	0.7	58	15	7.9	5.2	4.2	2.5	2.2	1.7
11	0.3	0.2	1.3	0.7	773	15	7.7	5.2	4.0	2.6	2.2	1.6
12	0.3	0.2	1.2	1.0	268	15	7.7	5.2	4.0	2.6	2.2	1.6
13	0.2	0.3	1.1	1.2	80	14	7.7	5.2	4.0	2.6	2.1	1.5
14	0.2	0.3	1.2	0.9	33	14	7.7	5.2	4.2	2.6	2.1	1.5
15	0.1	0.3	1.2	0.9	51	14	7.7	6.1	4.2	2.6	2.1	1.4
16	0.1	0.3	1.1	0.8	41	14	7.7	6.3	4.0	2.6	1.9	1.4
17	0.1	0.4	1.0	0.8	35	14	7.7	5.9	4.0	2.6	1.8	1.4
18	0.2	0.4	1.0	0.8	25	15	7.7	5.2	3.8	2.5	1.8	1.4
19	0.2	0.4	1.0	0.8	38	15	7.7	5.2	3.8	2.3	1.8	1.4
20	0.3	3.2	0.9	18	50	15	7.4	5.2	3.8	2.3	1.8	1.3
21	0.3	2.0	0.8	5.3	45	14	6.9	5.2	3.6	2.2	1.8	1.3
22	0.3	0.6	0.8	5.6	40	16	6.1	4.8	3.6	2.2	1.8	1.3
23	0.3	0.5	0.8	6.5	35	14	5.6	4.8	3.4	2.2	1.8	1.3
24	0.3	0.4	0.8	4.8	30	12	5.9	5.0	3.3	2.2	1.7	1.3
25	0.3	2.2	0.7	4.2	25	12	6.4	5.0	3.3	2.1	1.7	1.3
26	0.3	2.2	0.7	3.8	20	12	6.4	5.0	3.3	2.1	1.6	1.4
27	0.3	1.3	0.7	3.8	20	12	6.4	5.0	3.3	2.1	1.5	1.5
28	0.3	0.8	0.8	4.0	20	12	6.4	5.0	3.1	2.1	1.6	1.6
29	0.3	0.6	0.8	3.5		12	6.4	4.8	3.1	2.2	1.6	1.6
30	0.3	0.7	0.8	3.1		11	6.4	4.8	2.9	2.3	1.6	1.5
31	0.3		0.8	3.1		11		4.6		2.3	1.6	
	6.9	20.3	81.0	81.5	1834.7	448.0	236.4	162.9	118.1	75.3	62.0	42.9
MEAN	0.22	0.68	2.61	2.63	65.5	14.5	7.88	5.25	3.94	2.43	2.00	1.43
ACRE-FEET	14.	40.	161.	162.	3640	889.	469.	323.	234.	149.	123.	85.

Remarks:

YEAR OR PERIOD MEAN 8.68
ACRE-FEET 6290.

76D74M C3b 11-59

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, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	1.5	1.6	1.4	3.1	2.5	2.3	3.3	2.3	1.9	1.0	.7
2	1.5	1.5	1.5	1.4	2.3	2.5	2.2	3.2	2.3	2.1	1.0	.7
3	1.4	1.5	1.5	1.5	1.9	2.3	2.1	3.3	2.3	2.1	1.0	.8
4	1.7	1.6	1.5	1.5	1.8	2.3	2.0	3.1	2.3	1.9	1.0	1.6
5	1.9	1.6	1.4	1.5	1.7	2.3	1.9	2.9	2.5	1.9	1.0	1.2
6	1.7	1.6	1.4	1.5	1.6	2.2	1.8	2.8	2.6	1.9	1.0	1.0
7	1.6	1.6	1.4	1.5	1.6	2.2	1.9	3.0	2.8	1.8	1.0	.8
8	1.6	1.5	1.4	1.5	1.6	2.2	2.2	3.0	2.8	1.6	1.0	.8
9	1.6	1.4	1.4	1.6	84	2.3	2.1	2.8	2.6	1.6	1.0	.7
10	1.5	1.4	1.4	1.9	54	2.3	2.0	2.8	2.8	1.5	.9	.7
11	1.6	1.4	1.4	1.7	15	2.3	2.0	2.5	3.1	1.4	.9	.7
12	1.6	1.4	1.5	1.6	7.1	2.3	1.9	2.5	3.1	1.4	.9	.7
13	1.6	1.4	1.5	1.6	5.7	2.2	1.8	2.5	3.1	1.3	.8	.7
14	1.7	1.5	1.5	1.6	5.9	2.2	2.9	2.5	3.1	1.0	.8	.7
15	1.9	1.7	1.4	1.6	4.6	2.8	2.7	2.5	2.8	1.1	.8	.7
16	1.9	1.6	1.4	1.6	4.0	6.4	2.2	2.5	2.6	1.2	.8	.7
17	1.8	1.5	1.4	1.5	3.8	4.6	2.1	2.3	2.6	1.1	.8	1.4
18	1.9	1.5	1.5	1.5	3.6	3.3	2.1	2.3	2.5	1.0	.8	2.1
19	1.9	1.5	1.6	1.5	3.4	3.1	2.1	2.2	2.6	.9	.8	3.3
20	1.9	1.5	1.6	1.5	3.3	2.8	2.3	2.2	2.6	.9	.7	1.9
21	1.8	1.5	1.5	1.5	3.1	2.5	6.8	2.2	2.8	.9	.7	1.5
22	1.7	1.4	1.4	1.5	3.1	2.2	3.5	2.2	2.8	.9	.8	1.3
23	1.7	1.5	1.4	1.5	3.1	2.9	2.9	2.2	2.8	.9	.8	1.2
24	1.7	1.4	1.5	1.5	2.9	2.3	2.7	2.2	2.6	.8	.8	1.2
25	1.7	1.5	1.5	1.5	2.9	2.2	2.7	2.2	2.6	.8	.7	1.1
26	1.7	1.6	1.5	1.5	2.8	2.1	6.2	2.2	2.6	.9	.7	1.1
27	1.6	1.6	1.5	1.5	2.8	2.1	4.5	2.2	2.5	.9	.7	1.1
28	1.6	1.7	1.5	1.5	2.6	4.1	3.8	2.2	2.2	.8	.6	.9
29	1.6	1.7	1.4	1.5		2.7	3.5	2.2	2.1	.8	.7	.9
30	1.5	1.6	1.4	1.5		2.4	3.3	2.2	2.1	1.0	.7	1.0
31	1.5		1.4	2.8		2.3		2.2		1.0	.7	
	51.9	45.7	45.3	48.8	233.3	82.9	82.5	78.4	78.7	39.3	25.9	33.2
MEAN	1.67	1.52	1.46	1.57	8.33	2.67	2.75	2.53	2.62	1.27	0.84	1.11
ACRE-FEET	103.	90.	89.	96.	463.	164.	164.	156.	156.	78.	51.	65.

Remarks:

YEAR OR PERIOD MEAN 2.32
ACRE-FEET 1680.

STATION F119B-R
SANTA ANITA CREEK below Santa Anita Dam

LOCATION: LAT. 34°11'03", LONG. 118°01'07", ON THE LEFT (EAST) WALL OF THE CONCRETE OUTLET CHANNEL IMMEDIATELY BELOW SANTA ANITA DAM. THIS STATION MEASURES LOW FLOWS ONLY. MAJOR VALVE DISCHARGES PASS OVER STATION. ELEVATION OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 10.8 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL WITH FLASHBOARD GATE CONTAINING A V-NOTCH WEIR. WEIR NOT IN USE DURING PERIOD OF THIS REPORT.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. NO FACILITIES FOR MEASURING OR RECORDING FLOWS OVER TEN SECOND-FEET.

RECORDER: NONE. SEE "REMARKS".

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1963. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATION F119-R LOCATED APPROXIMATELY 1/4 MILE DOWNSTREAM. PERIODS WHEN RECORDER NOT OPERATING COMPUTED FROM DAM RECORDS.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1350 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW PART OF YEAR.
1962-63
MAXIMUM 105 SECOND-FEET JULY 16.
MINIMUM NO FLOW VARIOUS TIMES.
1948-63
MAXIMUM 1350 SECOND-FEET FEBRUARY 11, 1962, AT STATION F119B-R.
5070 SECOND-FEET MARCH 2, 1938 AT STATION F119-R.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

REMARKS: DISCHARGE FOR THIS PERIOD FROM STREAM MEASUREMENTS AND OPERATION RECORDS AT SANTA ANITA DAM.

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

FSD 748M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119B-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.1	0.1	33	0.1	8.9	9.4	0.1	8.7	0.1
2	0	0	0	0.1	0.1	66	0.1	8.6	9.2	0.1	8.6	0.1
3	0	0	0	0.1	0.1	19.7	0.2	9.5	9.1	0.1	8.6	0.1
4	0	0	0	0.1	0.1	19.0	0.2	6.4	3.1	0.1	8.5	0.1
5	0	0	2.9	0.1	0.1	8.5	0.2	0.4	0.1	0.1	8.4	0.1
6	0	0	18.0	0.1	0.1	0	0.2	0.4	0.1	0.1	8.3	0.1
7	0	0	0	0.1	14.6	55	0.2	3.9	0.1	0.1	8.2	0.1
8	0	0	0	0.1	34	19.3	0.2	8.9	0.1	0.1	8.1	0.1
9	0	0	0	0.1	45	18.2	0.2	8.6	0.1	0.1	8.0	0.1
10	0	0	0	0.1	26	17.0	0.3	8.6	0.1	0.1	7.9	0.1
11	0	0	0	0.1	498	15.6	0.3	8.6	0.1	0.1	7.8	0.1
12	0	0	0	0.1	265	14.6	0.3	8.7	0.1	0.1	7.6	0.1
13	0	0	0	0.1	98	14.5	0.3	8.7	0.1	0.1	7.5	0.1
14	0	0	0	0.1	53	14.2	0.3	7.5	0.1	0.1	7.4	0.1
15	0	0	0	0.1	75	13.8	0.3	0.4	0.1	0.1	7.3	0.1
16	0	0	0.1	0.1	70	13.6	0.4	5.2	0.1	0.1	7.1	0.1
17	0	0	0.1	0.1	58	13.6	0.4	8.3	0.1	0.1	6.9	0.1
18	0	0	0.1	0.1	46	14.1	0.4	4.9	0.1	0.1	2.5	0.1
19	0	0	0.1	0.1	65	14.3	0.4	10.6	0.1	0.1	0.1	0.1
20	0	0	0.1	0.1	64	14.5	0.4	10.6	0.1	0.1	0.1	0.1
21	0	0	0.1	0.1	82	14.2	0.4	10.5	0.1	0.1	0.1	0.1
22	0	0	0.1	19.7	60	13.7	0.4	10.4	0.1	0.1	0.1	0.1
23	0	0	0.1	29	59	13.4	14.6	10.3	0.1	8.9	0.1	0.1
24	0	0	0.1	21	58	12.9	14.6	10.2	0.1	8.6	0.1	0.1
25	0	0	0.1	7.6	39	12.5	9.0	10.1	0.1	5.2	0.1	0.1
26	0	0	0.1	0.1	62	12.0	9.0	10.0	0.1	9.1	0.1	0.1
27	0	0	0.1	0.1	68	11.5	9.0	9.9	0.1	9.0	0.1	0.1
28	0	12.2	0.1	0.1	27	9.6	9.0	9.6	0.1	8.9	0.1	0.1
29	0	18.5	0.1	0.1		+	8.9	9.7	0.1	8.6	0.1	0.1
30	0	12.3	0.1	0.1		+	8.9	9.6	0.1	8.7	0.1	0.1
31	0		0.1	0.1		+		9.5		8.7	0.1	
	0	430.2	485.1	60.2	1867.2	498.9	69.2	248.9	33.4	78.3	138.7	3.0
MEAN	0	1.43	1.57	2.59	67.4	16.1	2.97	8.03	1.11	2.53	4.47	0.10
ACRE-FEET	0	85.	96.	159.	3740.	989.	177.	494.	66.	155.	275.	6.0

Remarks:

YEAR OR PERIOD MEAN 8.63
ACRE-FEET 6240.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F119B-R

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	0.1	0.1	23	0.2	18.0	26	0	0	1.5	1.0
2	0.1	0.2	0.1	0.1	7.7	0.2	27	22	0	0	1.5	1.0
3	0.1	0.2	0.1	0.1	0.1	0.2	20	6.4	0	0	1.5	1.0
4	0.1	0.2	0.1	0.1	0.1	0.2	13.6	0.1	0	0	1.5	0.9
5	0.1	0.2	0.1	0.1	0.1	11.1	0.1	0.1	0	0	1.4	0.9
6	0.2	0.2	0.1	0.1	0.1	26	0.1	0.1	0	0	1.4	0.9
7	0.2	0.2	0.1	0.1	0.1	25	0.1	0.1	0	0	1.4	0.9
8	0.2	0.2	0.1	0.1	0.1	11.2	0.1	0.1	0	19.1	1.4	0.9
9	0.2	0.2	0.1	0.1	3.6	0.2	0.1	0.1	0	29	1.4	0.8
10	0.2	0.2	0.1	0.1	26	0.2	0.1	0.1	0	30	1.4	0.8
11	0.2	0.2	0.1	0.1	24	0.2	0.1	0.1	0	27	1.4	0.8
12	0.2	0.2	0.1	0.1	22	0.2	0.1	0.1	0	24	1.3	0.8
13	0.2	21	0.1	0.1	22	0.2	0.1	0.1	0	12.2	1.3	0.8
14	0.2	31	0.1	0.1	21	0.2	0.1	0.1	0	4.1	1.3	0.8
15	0.2	3.4	0.1	0.1	13.4	0.2	0.1	0.1	0	10.7	1.3	0.7
16	0.2	25	0.1	0.1	0.1	0.2	0.1	0.1	0	36	1.3	0.7
17	0.2	0.1	17.0	0.1	0.1	0.2	0.2	0.1	0	1.3	1.3	0.8
18	0.2	0.1	26	0.1	0.1	0.2	0.1	0.1	0	1.2	1.2	0.9
19	0.2	0.1	23	0.1	0.1	0.2	0.1	0.1	0	1.3	1.2	1.1
20	0.2	0.1	11.0	0.1	0.1	0.2	0.1	0.1	0	1.4	1.2	1.4
21	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.4	1.2	1.4
22	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.4	1.2	1.3
23	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.2	1.3
24	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.1	1.2
25	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.1	1.1
26	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.1	1.0
27	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.1	1.0
28	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0	1.5	1.1	1.0
29	0.2	0.1	0.1	0.1		0.2	20	0.1	0	1.5	1.1	1.0
30	0.2	0.1	0.1	0.1		0.2	29	0.1	0	1.5	1.0	1.1
31	0.2		0.1	15.2		0.2		0.1		1.5	1.0	
	5.7	114.8	79.7	18.2	164.6	78.7	130.1	57.2	0	213.6	39.4	29.3
MEAN	0.18	3.83	2.57	0.59	5.88	2.54	4.34	1.85	0	6.89	1.27	0.98
ACRE-FEET	11.	228.	158.	36.	326.	156.	258.	113.	0	424.	78.	58.

Remarks:

YEAR OR PERIOD MEAN 2.55
ACRE-FEET 1850.

STATION F260C-R
SANTA ANITA WASH below Foothill Boulevard

LOCATION: LAT. 34°08'55", LONG. 118°01'34", ON THE RIGHT (WEST) BANK OF THE CHANNEL ABOUT 1300 FEET DOWNSTREAM FROM FOOTHILL BOULEVARD AND ABOUT ONE MILE NORTH OF ARCADIA, ELEVATION AT ZERO GAGE HEIGHT, 507.10 FEET.

DRAINAGE AREA: 17.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 30 FEET WIDE AND 13 FEET DEEP, BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM STEEL FOOTBRIDGE 100 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY SANTA ANITA DAM, SIERRA MADRE DAM, AND SANTA ANITA DEBRIS BASIN.

DIVERSIONS: THE CITY OF SIERRA MADRE DIVERTS WATER FROM SIERRA MADRE WASH AND SANTA ANITA CREEK FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS. THE FLOOD CONTROL DISTRICT DIVERTS WATER FROM SANTA ANITA CREEK FOR SPREADING AT MOUTH OF SANTA ANITA CANYON.

RECORDS AVAILABLE: DECEMBER 11, 1959 TO SEPTEMBER 30, 1963. FOR RECORDS PRIOR TO DECEMBER 1959 SEE STATIONS F21-R, F119-R AND F260B-R.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1440 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 257 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1936-61
MAXIMUM NOT DETERMINED.
MAXIMUM OUTFLOW FROM SANTA ANITA DAM, 5070 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR.

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

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F260C-R

Daily discharge, in second-feet of SANTA ANITA WASH below Foothill Boulevard, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	1.4	+	v +	v 27	0	0	+	+	+	+
2	0		v 25	0		62	0	+				
3	+		v 1.3	0		19.2	0					
4			+	0		18.6	0					
5				+		8.1	+					
6					+	3.1						
7					1.8	55						
8				+	12.8	18.8						
9				0	19.5	17.8	+					
10				0	28	16.6	0.7	v 0.1				
11			+	0	5.84	15.3	0.6	+				
12			0	0.6	3.16	14.4	+	+				
13		+	+	+	1.17	58	0.3	+				
14		0	0.7	0	71	14.2	0.3	v 1.6				
15		+	+	0	84	13.8	+	0.1				
16		+		0	72	10.2	0.1	2.5				
17		0		+	58	+	0.1	0.2				
18		+		+	28	5.2	0.1	0.1				
19		0		+	74	17.6	0.1	0.1				
20		15.2		22	68	15.7	0.1	0.1				
21		0.3		0.6	73	14.5	+	0.1				
22		0.3		10.0	52	16.0		v 0.1				
23		0.3		0.1	48	16.4		0.1				
24		+		0.1	44	12.4	+	+				
25		4.9	+	+	25	12.0	0.3					
26		0.1	0		46	11.5	0.1					
27		0	+		69	11.0	0.1					
28		0			v 15.7	9.3	0					
29	+	+			+	0	0					
30	0	0.6				0	0		+			+
31	0		+	+		v 0		+		+	+	
	+	21.7	28.4	33.4	1906.8	513.9	2.9	5.1	+	+	+	+
MEAN	+	0.72	0.91	1.08	68.1	16.6	0.10	0.16	+	+	+	+
ACRE-FEET	+	43.	56.	66.	3780.	1020.	5.8	10.1	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.88
ACRE-FEET 4980.

78D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

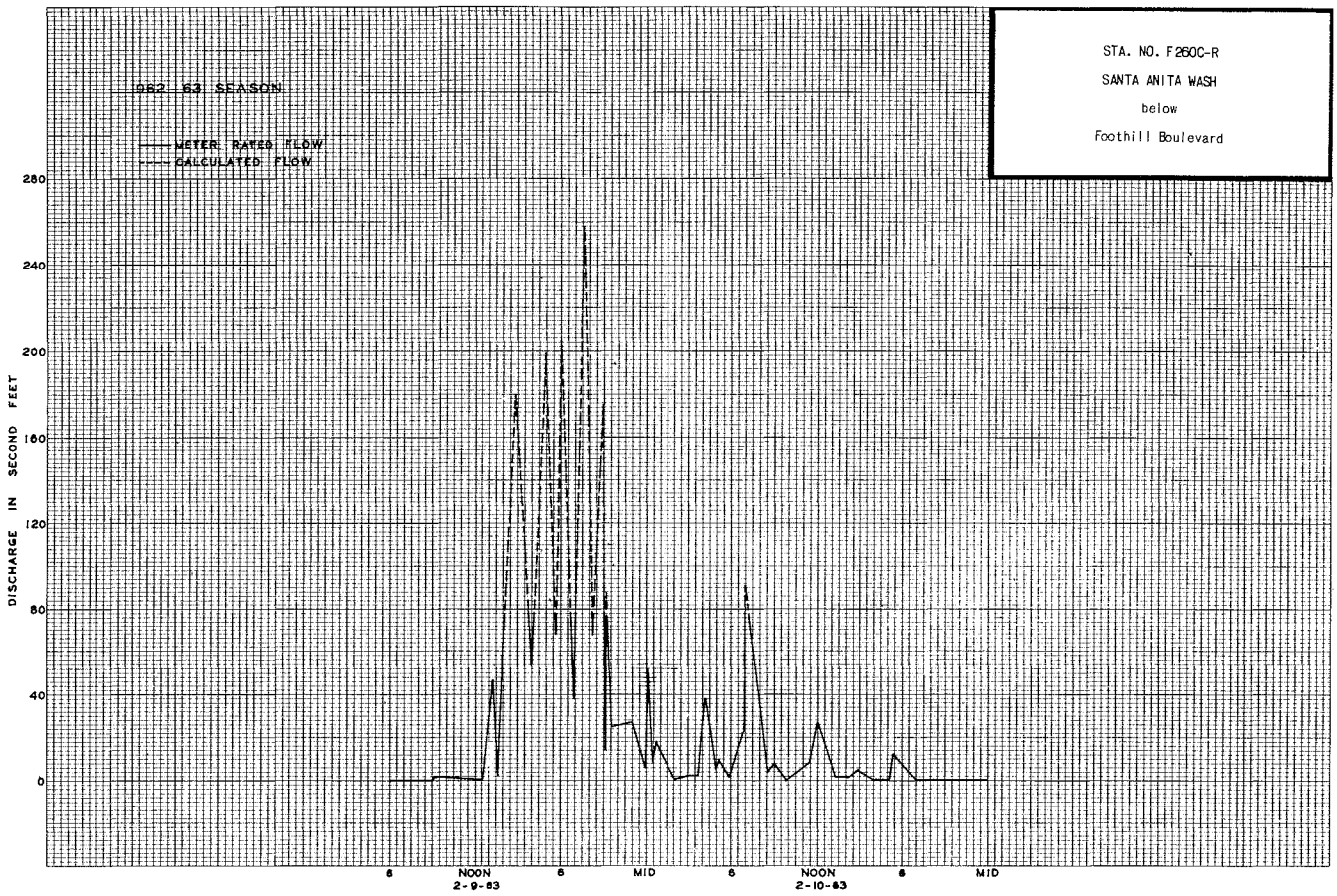
Sta. No. F260C-R

Daily discharge, in second-feet of SANTA ANITA WASH below Foothill Boulevard, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	0.6	+	+	+	b 0.4	0.6
2	+						+	+			0.5	0.8
3	+						+	0.1			0.6	0.8
4	b 6.0						+	+			0.7	3.4
5	b 0.1						1.1				0.8	+
6	+						+				0.9	b 0.2
7											1.0	0.3
8				+	+						b 1.4	0.3
9				b 4.5	b 4.3				+		1.1	0.3
10				b 2.0	9.2				b 0.2		0.8	0.3
11				+	0.3				b 0.3		0.8	0.3
12					1.4				+		0.8	0.3
13					3.2		+				0.8	b 0.3
14					14.0		3.8				0.8	0.3
15				+	0.3	+	0.4				1.1	0.3
16				b 0.1	b 0.2	12.4	+				1.1	0.3
17	+			b 0.1	+	9.2	0.7				1.1	2.8
18	b 0.1			+	b 0.3	+	+			+	0.8	9.3
19	+				b 0.3		+			b 2.0	0.6	2.4
20	+				+		7.8			+	0.3	0.06
21							0.8			+	0.6	+
22	+					+	+			b 5.5	0.6	0.06
23	b 0.3		+			b 0.1				0.3	0.6	0.1
24	0		b 0.1			+				0.2	0.6	0.3
25	0		+				+			0.2	0.6	0.1
26	b 1.6	+					4.4			0.2	0.6	0.1
27	+	b 0.3				+	+			0.2	0.8	0.1
28		b 0.8			+	3.5				0.3	0.8	0.1
29		b 0.2				+				0.3	0.8	0.3
30		+		+		+	+		+	0.3	0.6	0.1
31	+		+	b 14.0		+		+		b 0.3	0.6	
	8.1	1.3	0.1	20.7	72.2	25.2	19.6	0.1	0.5	9.8	23.6	24.62
MEAN	0.26	0.04	+	0.67	2.58	0.81	0.65	+	0.02	0.32	0.76	0.82
ACRE-FEET	16.	2.6	0.2	41.	143.	50.	39.	0.2	1.0	19.	47.	49.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.56
ACRE-FEET 408.



STATION F193B-R
SANTA ANITA WASH at Longden Avenue

LOCATION: LAT. 34°06'52", LONG. 118°00'54", ON THE RIGHT (WEST) BANK 30 FEET UPSTREAM OF THE LONGDEN AVENUE BRIDGE, ONE AND ONE HALF MILES SOUTH OF ARCADIA. ELEVATION OF ZERO GAGE HEIGHT = 346.5 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 35 FEET WIDE AND 14 FEET DEEP. CONTROL - CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: SUBJECT TO THE SAME REGULATION AND DIVERSIONS AT STATION F260C-R, SANTA ANITA WASH BELOW FOOTHILL BOULEVARD.

RECORDS AVAILABLE: JANUARY 5, 1960 TO SEPTEMBER 30, 1963; (AT STATION F193-R FROM APRIL 25, 1932 TO MARCH 1, 1938).

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1780 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 621 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES
1959-63
MAXIMUM 1780 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M C/b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F193B-R

Daily discharge, in second-feet of SANTA ANITA WASH at Longden Avenue, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	4.3	+	0.1	d 27	0.1	+	+	0	+	+
2		+	52		0.1	62	+			0	+	
3		+	1.4		+	192				+	+	
4		0.3	+			186					0.1	
5		+				d 81					+	
6		+			+	196					0	
7		+			70	58					0.1	
8		0.1			54	24					+	
9		+			33	27	+					
10					32	22	0.6					
11				+	693	d 154	0.4					
12				2.1	369	144	0.3					
13			+	0.2	126	58	0.3	+				
14			4.1	+	70	142	0.3	5.6				
15			+		107	136	0.1	d 0.1				
16					60	d 102	0.1	2.3				
17					64	0.1	0.1	+				
18					30	d 5.2	0.1					
19		+		+	d 8	24	0.1					
20		2.6		3.0	77	d 22	0.1					
21		0.3		2.9	74	160	+					
22		+		14.2	57	170						
23		+		0.3	54	22		+				
24		+		0.1	b 44	d 130	+	d 0.1				
25		8.3		0.2	26	130	0.5	d 0.1				
26		0.6		0.2	48	115	+	+				
27		+		0.2	69	110			+			
28	+	+		0.2	b 160	93			0			
29	0	0.2		0.2	+	0			+	+		
30	0	2.6		0.1		0	+		0	0		+
31	0		+	0.1		d 0		+		+	+	
	+	38.6	61.8	71.0	2218.2	575.6	3.8	8.5	+	+	0.2	+
MEAN	+	1.29	1.99	2.29	79.2	18.6	0.13	0.27	+	+	+	+
ACRE-FEET	+	77.	123.	141.	4400	1140.	7.6	17.	+	+	0.4	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 8.2
ACRE-FEET 5910.

76D74M C/b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

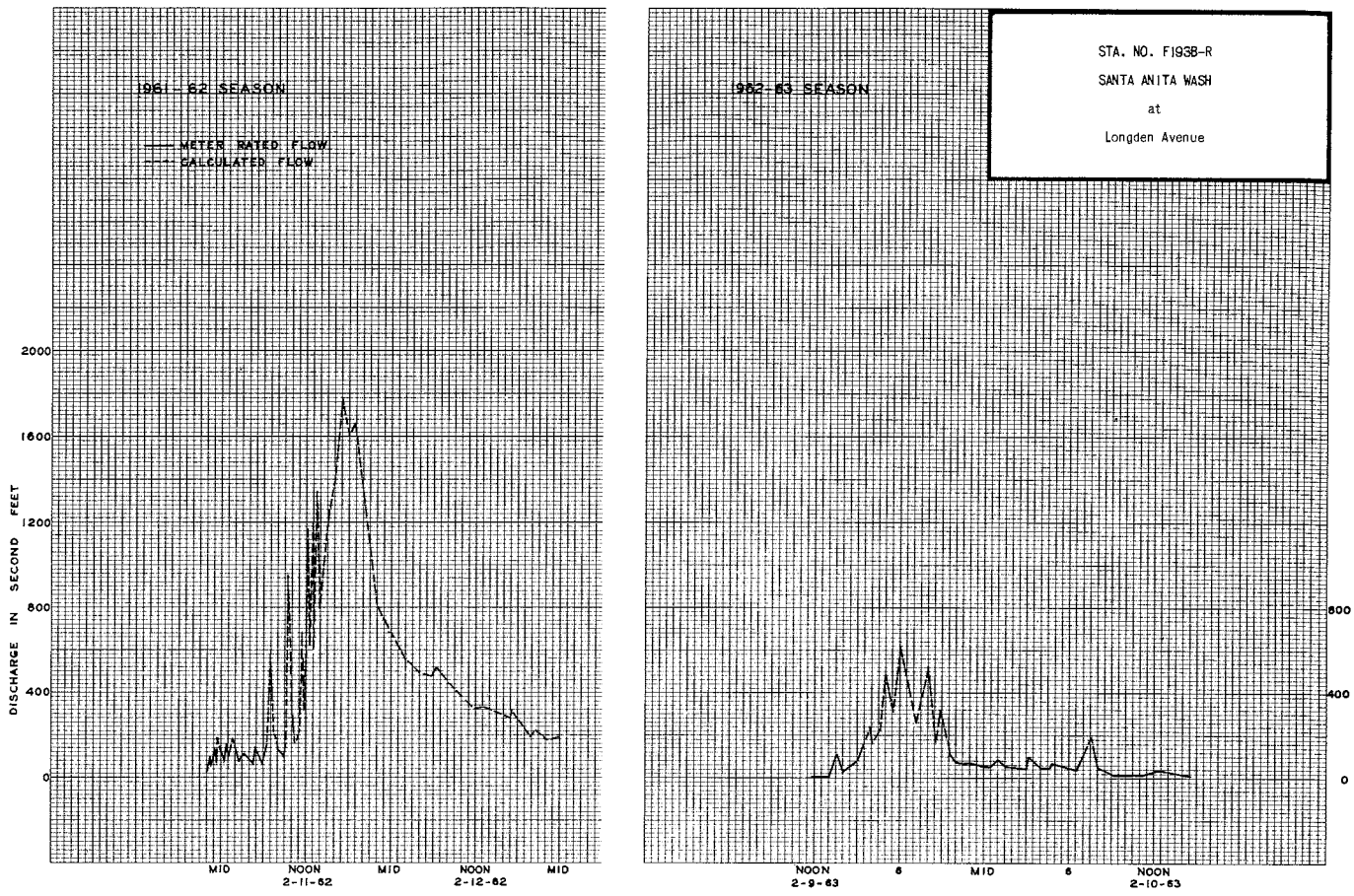
Sta. No. F193-R

Daily discharge, in second-feet of SANTA ANITA WASH at Longden Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	1.6	+	+	+	d 0.4	0.2
2	+						+	+			0.5	0.2
3	+						+	0.1			0.6	0.2
4	6.3						+	+			0.7	10.0
5	0.1						1.2				0.6	+
6	+						+				0.9	0.2
7							+				1.0	0.2
8				+	+		0.5				1.2	0.2
9		+		5.1	101		+		+		1.1	0.2
10		0.1		2.2	30				0.2		0.6	0.2
11		+		+	0.3				0.3		0.6	0.3
12	+				1.4				+		0.6	0.6
13	0.1				3.0		+				0.6	1.4
14	0.1				19.7		9.6				0.6	0.6
15	+				0.2	+	1.6				1.0	0.2
16	+				+	2.9	+				1.0	0.1
17	+				+	12.6	2.2				1.0	8.5
18	0.2				0.1	+	+			+	0.8	2.3
19	+				0.1		+			2.0	0.6	4.6
20					+		7.5			+	0.3	0.1
21							2.3			+	0.7	+
22	+					+	+			5.5	0.5	
23	0.3		+			0.1				0.3	0.5	
24	+		0.1			+				0.2	0.5	
25	0		+				+			0.2	0.5	
26	1.6	+					10.6			0.2	0.5	
27	+	0.3				+	+			0.2	0.7	
28		0.6				5.6				0.3	0.7	
29		0.2			+	+				0.3	0.4	+
30		+		+		+	+		+	0.3	0.4	0.1
31	+		+	16.2		+		+		0.3	d 0.4	
	8.7	1.4	0.1	23.5	155.8	47.3	37.4	0.1	0.5	9.8	21.7	51.3
MEAN	0.28	0.05	+	0.76	5.56	1.53	1.24	+	0.02	0.32	0.59	1.71
ACRE-FEET	17.	2.8	0.2	47.	309.	94.	74.	0.2	1.0	19.	43.	102.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 709.



STATION F93-R
SANTA CLARA RIVER above Lang Railroad Station

LOCATION: LAT. 34°25'59", LONG. 118°21'41", ON THE RIGHT (NORTH) BANK ABOUT 0.7 MILE ABOVE LANG RAIL ROAD STATION. ELEVATION OF ZERO GAGE HEIGHT ABOUT 1733.77 FEET.

DRAINAGE AREA: 157.3 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1959 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1963. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 500 SECOND-FEET FEBRUARY 11.
MINIMUM 0.2 SECOND-FOOT AT TIMES IN NOVEMBER AND DECEMBER.
1962-63
MAXIMUM 60 SECOND-FEET (ESTIMATE) FEBRUARY 9.
MINIMUM 1.1 SECOND FEET AT VARIOUS TIMES.
1950-63
MAXIMUM 4200 SECOND-FEET JANUARY 16, 1952.
MINIMUM 0.2 SECOND-FOOT VARIOUS TIMES IN 1950-51 AND 1961-62.

ACCURACY: POOR.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang Railroad Station for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	a 0.3	a 0.2	e 1.5	e 2.2	e 13	e 10	e 5.6	e 4.2	e 1.6	e 1.6	e 1.2
2	0.3	0.3	1.2	1.4	2.2	13	9.6	5.6	4.1	1.7	1.6	1.3
3	0.3	0.3	e 2.3	1.4	2.1	12	9.6	5.5	4.1	1.7	1.6	1.3
4	0.3	0.3	1.9	1.4	2.1	12	9.5	5.5	3.9	1.6	1.5	1.4
5	0.3	0.3	1.8	1.4	2.1	12	9.5	5.6	3.9	1.6	1.5	1.4
6	0.3	a 0.2	1.7	1.4	2.0	13	9.1	5.7	3.8	1.6	1.5	1.4
7	0.3	0.2	1.6	1.4	2.0	13	8.9	5.8	3.8	1.6	1.4	1.4
8	0.3	0.2	1.6	1.4	9.2	13	8.7	5.9	3.7	1.6	1.4	1.4
9	0.3	0.2	1.6	1.4	20	13	8.4	6.0	3.6	1.6	1.4	1.4
10	0.3	0.2	1.6	1.4	39	13	8.1	6.1	3.5	1.6	1.4	1.4
11	0.3	0.2	1.6	1.5	308	13	7.8	6.1	3.4	1.6	1.4	1.4
12	0.3	0.3	1.6	1.6	190	13	7.6	5.9	3.2	1.6	1.3	1.4
13	0.3	0.3	1.6	1.6	28	13	7.4	5.8	3.0	1.6	1.3	1.4
14	0.3	0.3	1.6	1.6	10	13	7.2	5.7	2.8	1.6	1.2	1.4
15	0.3	0.3	1.6	1.6	13	13	6.8	5.6	2.7	1.6	1.2	1.4
16	0.3	0.3	1.6	1.5	14	13	6.5	5.6	2.6	1.6	1.2	1.4
17	0.3	0.3	1.6	1.5	12	13	6.2	5.6	2.5	1.6	1.2	1.3
18	0.3	0.3	1.6	1.5	11	17	5.9	5.5	2.4	1.6	1.2	1.3
19	0.3	0.2	1.6	1.5	90	18	5.6	5.4	2.3	1.6	1.3	1.3
20	0.3	0.4	1.6	1.5	51	17	5.6	5.3	2.2	1.6	1.3	1.3
21	0.3	a 0.3	1.6	2.5	27	13	6.0	5.2	2.1	1.6	1.4	1.3
22	0.3	0.2	1.6	2.7	24	13	6.4	5.1	2.1	1.6	1.4	1.3
23	0.3	0.2	1.6	2.6	22	17	6.6	5.0	2.0	1.5	1.4	1.3
24	0.3	0.2	1.6	2.6	19	12	7.2	5.0	2.0	1.5	1.4	1.3
25	0.3	1.2	1.6	2.6	16	12	7.6	4.9	2.0	1.4	1.3	1.3
26	0.3	0.7	1.6	2.5	15	11	7.6	4.7	1.9	1.4	1.3	1.3
27	0.3	a 0.5	1.6	2.4	14	11	7.2	4.5	1.9	1.4	1.2	1.3
28	0.3	0.3	1.6	2.3	e 13	10	6.6	4.4	1.9	1.4	1.1	1.3
29	a 0.3	0.2	1.6	2.2		10	6.4	4.3	1.8	1.5	1.1	1.3
30	a 0.3	a 0.2	1.6	2.2		10	e 6.0	4.3	e 1.8	1.5	1.1	c 1.3
31	a 0.3		e 1.5	e 2.2		e 10		e 4.2		e 1.6	e 1.2	
	9.4	9.4	59.6	70.2	959.9	399.0	226.2	165.6	85.2	48.6	41.4	40.2
MEAN	.30	.31	1.93	2.26	34.3	12.9	7.54	5.34	2.84	1.57	1.34	1.34
ACRE-FEET	19.	19.	119.	139.	1900.	791.	449.	328.	169.	97.	82.	80.

Remarks:

YEAR OR PERIOD MEAN 5.79
ACRE-FEET 4190.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

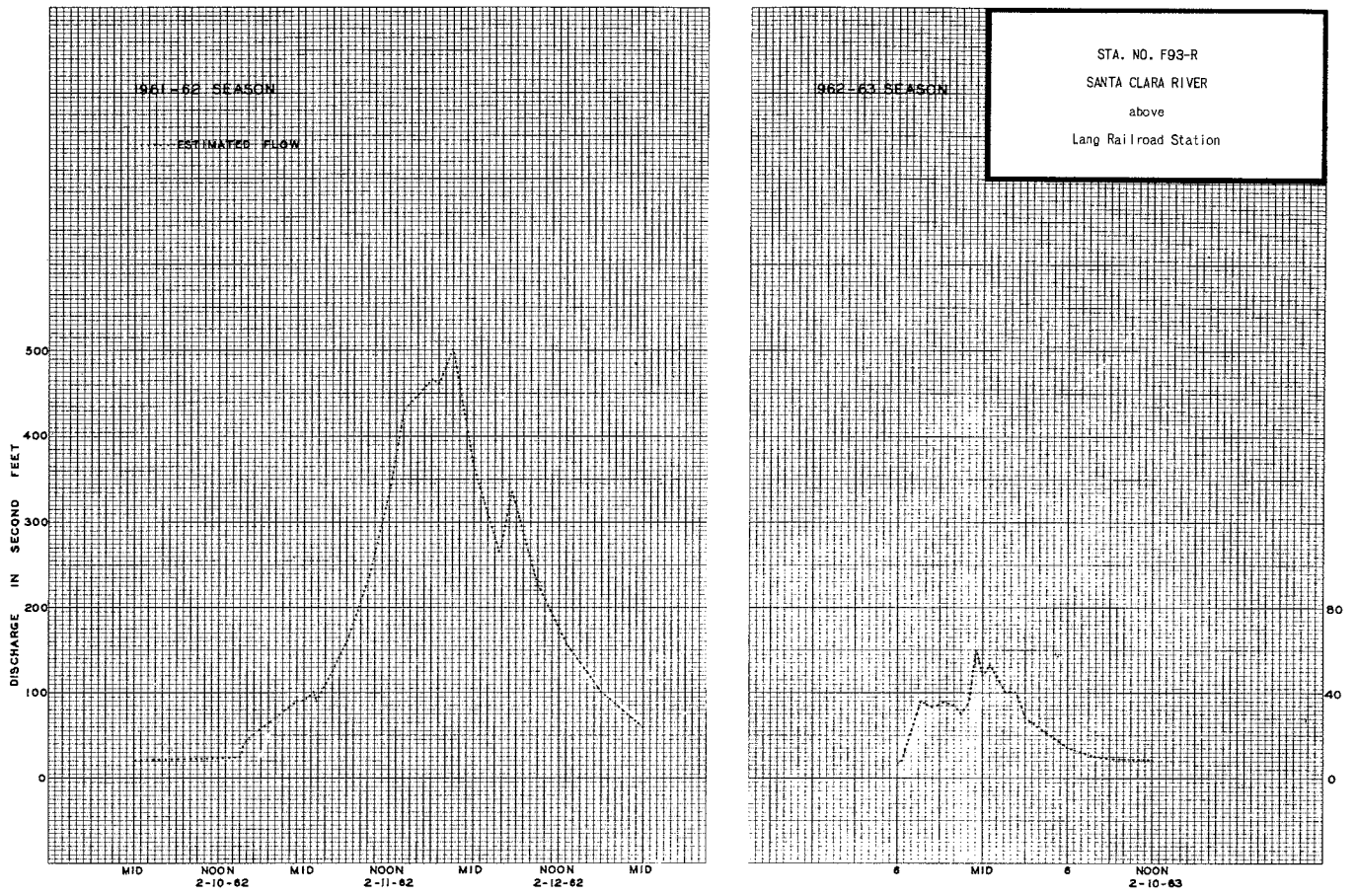
Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang Rail Road Station for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	c 1.3	c 1.4	c 1.4	c 1.3	c 1.4	c 2.7	c 2.0	c 1.9	c 1.6	c 1.2	c 1.4	c 1.1
2	1.3	1.4	1.4	1.3	1.4	2.6	2.0	1.9	1.5	1.2	1.4	1.1
3	1.3	1.4	1.4	1.3	1.3	2.5	2.0	1.9	1.5	1.2	1.3	1.1
4	1.6	1.4	1.4	1.3	1.3	2.5	2.0	1.9	1.4	1.2	1.3	1.1
5	1.3	1.3	1.4	1.3	1.2	2.4	2.0	1.9	1.4	1.2	1.2	1.1
6	1.3	1.3	1.4	1.4	1.2	2.3	2.1	1.9	1.4	1.2	1.2	1.1
7	1.3	1.3	1.4	1.4	1.2	2.3	2.2	1.9	1.4	1.3	1.1	1.1
8	1.3	1.3	1.4	1.4	1.2	2.3	2.3	1.9	1.5	1.3	1.1	1.1
9	1.3	1.3	1.4	1.5	9.7	2.3	2.3	1.9	1.5	1.3	1.1	1.1
10	1.3	1.3	1.4	1.5	13	2.4	2.4	1.9	1.6	1.3	1.3	1.1
11	1.3	1.3	1.3	1.5	2.1	2.5	2.4	1.8	1.6	1.3	1.1	1.1
12	1.3	1.3	1.3	1.5	1.9	2.5	2.4	1.7	1.7	1.3	1.2	1.1
13	1.3	1.3	1.3	1.5	1.8	2.6	2.3	1.6	1.7	1.3	1.2	1.1
14	1.4	1.3	1.3	1.4	1.7	2.6	2.3	1.5	1.6	1.3	1.2	1.1
15	1.4	1.3	1.3	1.4	1.7	c 2.5	2.2	1.4	1.5	1.4	1.2	1.1
16	1.4	1.3	1.3	1.4	1.8	4.6	2.2	1.4	1.4	1.4	1.2	1.1
17	1.5	1.3	1.2	1.4	1.9	3.8	2.1	1.4	1.4	1.4	1.2	1.1
18	1.5	1.4	1.2	1.4	2.0	2.5	2.1	1.4	1.4	1.4	1.2	1.1
19	1.5	1.4	1.2	1.4	2.1	2.0	2.1	1.5	1.4	1.4	1.2	1.1
20	1.5	1.4	1.2	1.4	2.2	1.9	2.7	1.6	1.4	1.4	1.2	1.1
21	1.4	1.5	1.2	1.3	2.2	1.9	2.6	1.7	1.4	1.4	1.2	1.1
22	1.4	1.5	1.2	1.3	2.2	1.9	2.3	1.7	1.4	1.4	1.2	1.1
23	1.3	1.5	1.3	1.3	2.3	1.9	2.2	1.7	1.4	1.2	1.2	1.1
24	1.3	1.5	1.3	1.3	2.4	1.9	2.0	1.7	1.3	1.1	1.2	1.1
25	1.3	1.5	1.4	1.3	2.5	1.9	2.0	1.7	1.3	1.1	1.2	1.1
26	1.3	1.5	1.4	1.3	2.6	1.9	2.0	1.7	1.3	1.2	1.2	1.1
27	1.3	1.4	1.4	1.3	2.7	1.9	1.9	1.6	1.3	1.2	1.2	1.1
28	1.3	1.4	1.4	1.4	c 2.7	2.1	1.9	1.6	1.3	1.3	1.2	1.1
29	1.4	1.4	1.4	1.4		1.9	1.9	1.6	1.3	1.3	1.2	1.1
30	1.4	c 1.4	1.4	1.4		1.9	c 1.9	1.6	c 1.3	1.4	1.2	c 1.1
31	c 1.4		c 1.3	c 1.4		c 1.9		c 1.6		c 1.4	c 1.2	
	42.2	41.3	41.3	42.7	71.7	72.9	66.0	52.5	43.2	40.0	37.3	33.0
MEAN	1.36	1.38	1.33	1.78	2.56	2.35	2.20	1.69	1.44	1.29	1.20	1.1
ACRE-FEET	84.	83.	82.	85.	142.	145.	131.	104.	86.	79.	74.	65.

Remarks:

YEAR OR PERIOD MEAN 1.60
ACRE-FEET 1160.



STATION F92-R
SANTA CLARA RIVER at Old Highway Bridge

LOCATION: LAT. 34°25'38", LONG. 118°35'16" ON THE DOWNSTREAM END OF THE RIGHT (WEST) PIER OF THE OLD HIGHWAY 99 BRIDGE ABOUT 1350 FEET BELOW THE NEW HIGHWAY 99 BRIDGE (PUBLISHED IN ERROR AS 750 FEET), AND ABOUT THREE MILES WEST OF SAUGUS. ELEVATION OF ZERO GAGE HEIGHT 1028.41 FEET.

DRAINAGE AREA: 410.4 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL, HEAVY WEED AND BRUSH GROWTH. NO ARTIFICIAL CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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: NONE. SOME FLOW DIVERTED FOR IRRIGATION NEAR LANG PRIOR TO ABOUT 1948.

RECORDS AVAILABLE: AT STATION F92-R, RECORDER RECORDS FROM JANUARY 18, 1930 TO MARCH 28, 1938 AND FROM SEPTEMBER 24, 1956 TO SEPTEMBER 30, 1963. AT STATION F92B-R, RECORDER RECORDS FROM OCTOBER 1, 1938 TO SEPTEMBER 24, 1956. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO JANUARY 18, 1930 AND FROM MARCH 28, 1938 TO OCTOBER 1, 1938.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 4250 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 1470 SECOND-FEET MARCH 16.
MINIMUM NO FLOW AT VARIOUS TIMES.
1930-63 (STATIONS F92-R AND F92B-R)
MAXIMUM 24,000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: POOR, DUE TO GROWTH IN CHANNEL AND EXTREME CUT AND FILL.

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

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1.0	+	0	0	0.4	0.2	1.3	0.7	2.5	1.8	4.2
2	0	0.9	211	0	b 1.0	0.4	0.1	1.3	0.6	2.6	3.0	1.0
3	+	0	1.8	0	0	0.6	0.2	0.6	1.3	3.5	1.6	0.4
4	0.6	0	0	0	0	1.5	3.0	0.6	1.6	2.3	0.8	+
5	0.6	0	0	0	0	+	1.1	1.6	1.8	b 2.5	+	+
6	0.5	0	0	0	0	2.8	0.2	1.6	1.0	2.6	0.2	+
7	0.5	0	0	0	0.7	0.4	1.3	0.6	0.8	2.8	0.3	0.2
8	0.4	+	0	0	140	0.3	1.6	0.4	1.1	3.0	0.7	0.2
9	0.3	+	0	0	101	0.9	0.7	0.7	0.8	3.2	2.1	+
10	0.2	0	0	0	1180	1.0	b 0.1	1.6	0.6	3.3	2.1	0.3
11	0.4	0	0	0	1690	0.9	b 0.1	1.0	0.2	3.4	0.4	2.5
12	0.5	0	0	0	1060	0.7	0.2	0.6	0.7	b 3.5	0.7	3.0
13	0	+	0	0	7.0	0.7	1.1	0.6	1.1	3.5	0.6	0.3
14	0.2	0.3	0	0	3.1	0.4	1.6	0.9	2.3	2.6	1.1	0.4
15	0.5	0.2	0	0	109	0.3	1.6	0.7	2.6	2.3	0.4	0.4
16	0.4	0	0	0	6.4	0.4	0.7	+	1.3	2.3	0.8	0
17	0.6	0	0	0	1.8	0.3	0.4	0.2	1.0	3.3	0.3	0
18	1.0	0	0	0	0.6	1.1	+	1.3	1.1	2.3	0.3	0
19	1.1	0	0	0	340	0.7	0.2	1.6	3.5	1.6	0.7	+
20	0.4	4.1	0	4.9	26	0.2	0.9	2.6	2.5	3.0	+	0.4
21	0.4	0.6	0	1.9	3.0	0.3	0.3	2.1	1.0	1.6	+	0.2
22	0.3	0	0	6.6	2.1	0.4	0.2	3.3	0.7	1.1	0.6	0
23	0	0	0	11	1.6	0.2	+	1.0	0.9	2.5	0.7	0
24	0	0	0	0	1.6	0.4		1.3	0.9	3.3	+	0
25	0.2	2.9	0	0	1.6	0.4		1.6	0.6	3.0	+	+
26	0.6	+	0	0	1.0	0.4		1.6	0.6	1.3	+	1.1
27	0	0	0	0	0.2	0.7	+	1.6	2.1	0.6	0.4	0.1
28	0	0	0	0	0.3	0.9	0.6	0.4	2.3	2.3	0.5	0.6
29	0	0	0	0		0.9	1.8	0.6	1.6	2.1	1.0	0
30	0	0	0	0		0.6	1.1		2.3	0.6	3.5	+
31	0.6		0	0		0.3		0.2		2.1	4.8	
	10.5	73.2	0	68.7	4678.0	19.9	19.5	35.1	40.4	77.2	29.8	15.3
MEAN	.34	2.44	6.86	2.22	1.67	0.64	0.65	1.13	1.35	2.49	0.96	0.51
ACRE-FEET	21.	145.	422.	136.	9280.	39.	39.	70.	80.	153.	59.	30.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 14.5
ACRE-FEET 10,470.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

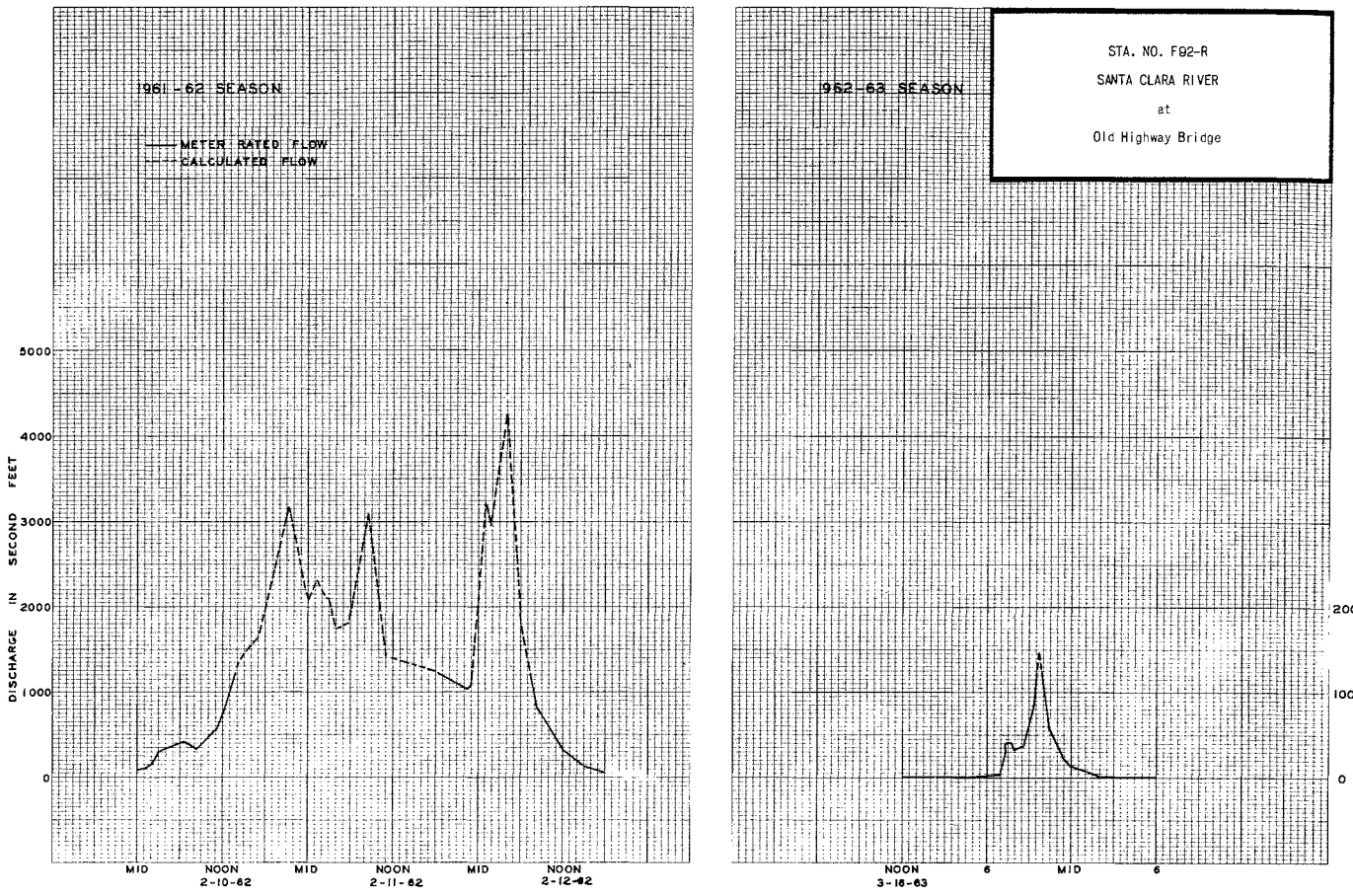
Sta. No. F92-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Old Highway Bridge for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	0	0	0	0	0	0	e 2.0	2.5	0.7	3.5	0.2
2	0.5	0	0	0	0	0	0	e 0.7	0	2.6	0.3	0.2
3	0.9	0	0	0	0	0	0	0.7	0	0.8	0	0.3
4	0.3	0	0	0	0	0	0	0.4	+	0.3	+	b 2.3
5	+	0	0	0	0	e 0.8	0	0.3	e 0.1	0.1	0.9	b 0.9
6	e 0.1	0	0	0	0	0	0	0.3	e 0.3	0.4	2.3	0.6
7	0.7	0	0	0	0	0	0	1.9	0.6	0.4	1.8	0.8
8	e 0.1	0	0	0	0	0.3	0	0.6	0.8	0.6	0.8	0.8
9	0.4	0		0	e 105	2.2	0	1.8	0.4	2.5	4.8	0.8
10	0.1	0	0.6	0	e 10	0.4	0	2.1	+	8.0	8.7	0.6
11	0.1	0	1.0	0.2	0	0	0	2.8	0	2.8	4.8	0.6
12	0	0	1.1	0.9	0	0	e 0.1	5.4	0	1.0	2.3	0.8
13	0	0	0.6	0	0	0	e 0.2	0.9	0	0.5	0.7	0.8
14	0	0	0	0	0	0	0.5	0.8	+	b 0.7	0.2	0.8
15	e 0.1	0	0	0	0	+	0.2	0.9	0.6	0.7	1.1	0.9
16	0	0	0	0	0	8.3	0	1.3	0.9	0.8	0.8	1.1
17	0	0	0	0	0	6.5	0	1.1	0.9	0.9	0.9	1.1
18	0	0	0	0	0	0	0.9	1.1	1.0	b 0.8	0.6	1.6
19	0	0	0	0	0	0	1.8	0.2	1.1	1.1	0.4	0.6
20	0	0	0	0	0	0	1.1	0.2	0.8	2.8	0.3	+
21	0	0	0	0	0	0	0.4	2.1	0.8	b 1.0	0.7	+
22	0	0	0	0	0	0	0.3	1.8	1.0	0.8	2.3	+
23	0	0	0	0	0	0	0.4	3.0	1.3	0.5	0.8	0
24	0	0.3	0	0.3	0	0	0.7	2.3	0.4	0.2	0.7	+
25	0	0.9	0	0.5	0	0	0.8	1.1	0	b +	0.9	0.4
26	0	2.1	0	0	0	0	e 4.5	1.1	0	e 0.1	0.7	0.4
27	0	2.2	0	+	0	0.1	+	0.9	0.9	1.1	0.8	0.9
28	0	0	0.2	0.1	0	4.4	0	1.3	1.6	2.3	1.0	1.1
29	0	0	1.3	0		0	0	1.8	0.8	0.9	1.0	1.1
30	0	0	0.9	0		0	e 0.4	1.0	0.1	0.7	0.8	1.1
31	0		0	0.1		0		1.8		1.6	0.3	
	3.4	5.5	5.7	2.1	115.0	137.3	52.8	43.7	16.9	37.9	45.2	21.0
MEAN	0.11	0.18	0.18	0.07	4.11	4.43	1.76	1.41	0.56	1.22	1.46	0.70
ACRE-FEET	6.9	11.	11.	4.2	228.	272.	105.	87.	34.	75.	90.	42.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.33
ACRE-FEET 965.



STATION V309-R
SANTA CLARA RIVER at Blue Cut

LOCATION: LAT. 34°23'59", LONG. 118°42'14", ON RIGHT BANK, 0.8 MILE WEST OF LOS ANGELES COUNTY LINE. ALTITUDE OF GAGE 794.93 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 640 SQUARE MILES.

RECORDS AVAILABLE: OCTOBER 1952 TO SEPTEMBER 1963.

AVERAGE DISCHARGE: 11 YEARS, 13.1 SECOND-FEET.

CHANNEL CONTROL: CHANNEL - SHIFTING SAND AND GRAVEL.

ACCURACY: FAIR.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 9100 SECOND-FEET FEBRUARY 11 (GAGE HEIGHT 9.65 FEET).
MINIMUM NO FLOW OCTOBER 1 TO NOVEMBER 19.
1962-63
MAXIMUM 1340 SECOND-FEET MARCH 16, (GAGE HEIGHT 7.47 FEET).
MINIMUM 0.2 SECOND-FOOT SEPTEMBER 28-30.
1952-63
MAXIMUM 9100 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM NO FLOW AT VARIOUS TIMES.

REMARKS: FLOW AT STATION AFFECTED BY PUMPING FROM WELLS ALONG STREAM FOR IRRIGATION ABOVE STATION.

COOPERATION: RECORDS FURNISHED BY VENTURA COUNTY WATER RESOURCES DIVISION. FORTY-THREE DISCHARGE MEASUREMENTS FURNISHED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT.

75D74M C1b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.7	0.6	0.8	16	13	5.4	1.8	0.7	0.6	0.1
2	0	0	172	0.5	0.8	14	13	5.0	1.6	0.6	0.6	0.1
3	0	0	15	0.5	0.8	17	14	4.2	1.6	0.6	0.6	0.1
4	0	0	1.3	0.5	0.8	18	14	3.8	1.6	0.6	0.6	0.1
5	0	0	1.3	0.6	0.9	16	14	3.4	1.6	0.6	0.5	0.1
6	0	0	1.2	0.6	1.0	39	13	2.8	2.1	0.6	0.4	0.2
7	0	0	0.9	0.6	1.3	22	14	2.5	2.1	0.6	0.4	0.6
8	0	0	0.9	0.6	169	15	15	2.5	2.1	0.6	0.4	0.6
9	0	0	0.6	0.6	271	15	15	2.5	1.8	0.5	0.4	0.6
10	0	0	0.7	0.5	1920	13	14	2.5	1.6	0.5	0.4	0.6
11	0	0	0.6	0.5	5470	12	12	2.5	1.6	0.5	0.3	0.7
12	0	0	0.7	0.5	3000	12	12	2.3	2.1	0.5	0.2	0.6
13	0	0	0.8	0.5	350	11	12	2.1	2.5	0.6	0.1	0.6
14	0	0	0.9	0.4	50	12	12	2.3	2.5	0.6	0.1	0.5
15	0	0	0.9	0.4	300	12	12	2.3	2.5	0.6	0.1	0.5
16	0	0	0.5	0.5	150	12	12	2.5	2.1	0.6	0.2	0.5
17	0	0	0.5	0.6	50	11	11	2.5	1.6	0.6	0.2	0.5
18	0	0	0.5	0.7	20	18	10	2.5	1.4	0.6	0.2	0.5
19	0	0	0.5	0.7	800	30	10	2.5	1.2	0.7	0.2	0.5
20	0	0.7	0.5	32	200	17	9.4	2.3	1.4	0.7	0.3	0.5
21	0	8.8	0.5	11	150	15	8.8	1.8	1.4	0.7	0.3	0.6
22	0	0.9	0.5	6.3	100	18	7.6	1.6	1.2	0.7	0.3	0.5
23	0	0.5	0.6	11	60	16	6.6	1.8	0.9	0.9	0.2	0.5
24	0	0.4	0.6	4.4	41	15	6.6	1.8	0.9	0.9	0.2	0.4
25	0	1.3	0.6	1.8	35	15	7.0	1.8	0.9	0.7	0.2	0.5
26	0	5.2	0.6	1.3	30	15	7.6	2.1	0.9	0.6	0.2	0.6
27	0	1.2	0.6	1.2	18	15	6.2	2.3	0.9	0.6	0.2	0.6
28	0	0.6	0.7	1.0	18	14	5.8	2.5	0.9	0.6	0.2	0.6
29	0	0.8	0.6	0.9		13	5.6	2.3	0.9	0.6	0.2	0.5
30	0	0.7	0.7	0.9		13	5.4	2.3	0.7	0.5	0.2	0.5
31	0		0.7	0.9		13		2.1		0.5	0.2	
	0	33.0	208.1	d3.1	13208.4	494.0	318.8	80.6	46.4	19.2	9.2	13.8
MEAN	0	1.10	6.71	2.68	472.	15.9	10.6	2.61	1.55	0.62	0.30	0.46
ACRE-FEET	0	65.	413.	165.	26,200.	980.	632.	160.	92.	38.	18.	27.

Remarks:

YEAR OR PERIOD MEAN 39.8
ACRE-FEET 28,790.

75D74M C1b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. V309-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Blue Cut, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.5	.7	1.0	1.1	1.5	1.4	2.1	3.5	1.9	.5	.5	.5
2	.5	.7	1.0	1.1	1.4	1.4	3.0	3.5	1.9	.5	.5	.5
3	.5	.7	1.0	1.3	1.5	1.4	2.5	3.4	1.9	.5	.5	.5
4	.5	.7	.5	1.3	1.7	1.4	2.5	3.2	1.9	.5	.5	.7
5	.5	.5	.7	1.3	1.5	1.5	2.5	3.0	2.1	1.0	.5	.5
6	.5	.5	.7	1.3	1.6	1.7	2.5	2.5	2.2	1.0	.5	.5
7	.5	.5	.7	1.4	1.5	1.7	3.0	3.0	2.1	.5	.5	.5
8	.4	.5	.5	1.4	1.7	1.3	3.2	3.0	1.9	.5	.5	.4
9	.4	.5	.5	1.3	53	1.5	3.0	3.2	1.9	.5	.5	.3
10	.5	.5	.5	1.3	45	1.6	3.0	3.2	1.9	.7	.5	.3
11	.5	.5	1.0	1.3	2.4	1.4	2.5	3.0	2.2	.5	.5	.4
12	.5	.7	1.1	1.3	2.4	1.5	2.5	3.2	2.5	.5	.5	.5
13	.5	1.0	1.3	1.3	1.9	1.5	2.5	3.2	3.0	.5	.5	.5
14	1.1	1.0	1.3	1.4	1.9	1.5	3.0	3.0	2.5	.5	.5	.4
15	.5	1.0	1.1	1.4	1.9	1.5	3.4	2.5	2.1	.5	.5	.4
16	.5	.5	1.0	1.4	1.9	94	3.2	2.5	1.9	.7	.4	.4
17	.5	.5	1.0	1.4	1.9	77	3.2	2.4	1.8	.5	.4	.5
18	.5	1.0	1.0	1.4	1.9	30	3.2	2.4	1.9	.9	.4	.7
19	.5	1.1	1.0	1.4	1.9	22	3.0	2.5	1.9	.5	.4	1.5
20	.5	1.1	1.0	1.3	1.7	2.4	2.5	2.5	1.9	.7	.4	.7
21	.5	.5	1.0	1.3	1.7	2.5	3.5	2.5	1.8	.5	.4	.5
22	.5	.5	1.0	1.4	1.6	2.5	3.2	2.5	1.5	.5	.4	.5
23	.6	1.0	1.1	1.6	1.6	2.5	3.0	2.5	1.8	.5	.4	.4
24	.7	1.0	1.0	1.5	1.4	2.5	3.0	2.4	1.5	.5	.4	.4
25	.5	1.0	1.0	1.5	1.3	2.5	3.4	2.4	1.5	.5	.3	.3
26	.5	1.0	1.1	1.5	1.4	2.5	82	2.4	1.5	.5	.3	.3
27	.7	1.0	1.1	1.7	1.4	3.0	7.5	2.4	1.5	.5	.4	.3
28	.7	1.1	1.1	1.7	1.4	74	5.5	2.4	1.2	.5	.4	.2
29	.5	1.3	1.1	1.7		2.5	4.2	2.2	1.1	.5	.5	.2
30	.5	1.1	1.1	1.7		2.5	3.8	2.2	1.0	.5	.5	.2
31	.5		1.1	2.5		2.5		2.2		.5	.5	
	17.9	26.1	31.1	45.1	142.7	303.5	178.0	86.2	56.7	21.3	14.2	14.7
MEAN	0.58	0.87	1.00	1.45	5.10	9.79	5.93	2.78	1.89	0.69	0.46	0.49
ACRE-FEET	36.	52.	62.	89.	283.	602.	353.	171.	112.	42.	28.	29.

Remarks:

YEAR OR PERIOD MEAN 2.57
ACRE-FEET 1860.

STATION F280-R
SANTA FE CHANNEL below Santa Fe Dam

LOCATION: LAT. 34°06'46", LONG. 117°58'16", ON THE LEFT (SOUTH) BANK OF SANTA FE CHANNEL (THE DIVERSION CANAL), 400 FEET DOWNSTREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 401.94 FEET.

DRAINAGE AREA: CONTROLLED.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL.
CONTROL - CONCRETE APRON THREE FEET WIDE, TEN FEET BELOW STATION.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW REGULATED BY FIVE GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO SANTA FE CHANNEL.

RECORDS AVAILABLE: OCTOBER 1, 1942 TO MAY 12, 1944. FLOW DETERMINED BY GATE OPENINGS AND MEASUREMENTS. RECORDER RECORDS FROM MAY 12, 1944 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 819 SECOND-FEET, FEBRUARY 12.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
NO FLOW ENTIRE SEASON.
1943-63
MAXIMUM 839 SECOND-FEET, NOVEMBER 3, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of SANTA FE CHANNEL below Santa Fe Dam, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	188	1.7	0	0	0	0	0
2	0	0	0	0	0	184	1.7	0	0	0	0	0
3	0	0	0	0	0	170	1.7	0	0	0	0	0
4	0	0	0	0	0	229	1.7	0	0	0	0	0
5	0	0	0	0	0	113	0.5	0	0	0	0	0
6	0	0	0	0	0	35	0	0	0	0	0	0
7	0	0	0	0	0	125	0	0	0	0	0	0
8	0	0	0	0	0	228	0	0	0	0	0	0
9	0	0	0	0	0	139	74	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	183	0	0	0	0	0	0	0
13	0	0	0	0	547	0	0	0	0	0	0	0
14	0	0	0	0	368	0	0	0	0	0	0	0
15	0	0	0	0	139	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	289	0	0	0	0	0	0	0
18	0	0	0	0	207	0	0	0	0	0	0	0
19	0	0	0	0	58	0	0	0	0	0	0	0
20	0	0	0	0	135	0	0	0	0	0	0	0
21	0	0	0	0	229	0	0	0	0	0	0	0
22	0	0	0	0	131	0	0	0	0	0	0	0
23	0	0	0	0	146	0	0	0	0	0	0	0
24	0	0	0	0	164	0	0	0	0	0	0	0
25	0	0	0	0	166	0	0	0	0	0	0	0
26	0	0	0	0	136	0	0	0	0	0	0	0
27	0	0	0	0	112	0	0	0	0	0	0	0
28	0	0	0	0	132	0	0	0	0	0	0	0
29	0	0	0	0		13	0	0	0	0	0	0
30	0	0	0	0		1.7	0	0	0	0	0	0
31	0		0	0		1.7		0		0	0	
	0	0	0	0	3142.0	1409.7	81.3	0	0	0	0	0
MEAN	0	0	0	0	112.2	45.5	2.71	0	0	0	0	0
ACRE-FEET	0	0	0	0	6230.	2800.	161.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 12.7
ACRE-FEET 9190.

STATION F125-R
SANTIAGO CREEK above Little Rock Creek

LOCATION: LAT. 34°27'59", LONG. 118°01'23", ON THE RIGHT (SOUTH) BANK ABOUT 1000 FEET ABOVE LITTLE ROCK CREEK. ELEVATION OF GAGE ABOUT 3280 FEET.

DRAINAGE AREA: 11.2 SQUARE MILES

CHANNEL AND CONTROL: SAND, GRAVEL AND BOULDERS.
CONTROL - CONCRETE AND RUBBLE WALL, BUILT APRIL 1960.

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

RECORDER: A CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

RECORDS AVAILABLE: SEPTEMBER 29, 1953 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 199 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 1.0 SECOND-FOOT APRIL 21.
MINIMUM NO FLOW MOST OF YEAR.
1953-63
MAXIMUM 199 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

76D74M Gfh 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F125-R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	a 3.8	2.4	0.6	0.1	0	0	0
2	0	0	0	0	0	4.0	2.4	0.6	0.1	0	0	0
3	0	0	0	0	0	4.6	2.4	0.4	+	0	0	0
4	0	0	0	0	0	5.1	a 2.4	0.4		0	0	0
5	0	0	0	0	0	5.6	2.1	0.3		0	0	0
6	0	0	0	0	0	a 6.1	1.8	0.3		0	0	0
7	0	0	0	0	0	4.3	1.8	0.3	+	0	0	0
8	0	0	0	0	5.6	3.8	1.6	0.3	0	0	0	0
9	0	0	0	0	13	3.5	1.6	0.2	0	0	0	0
10	0	0	0	0	13	3.5	1.5	0.3	0	0	0	0
11	0	0	0	0	118	3.2	a 1.5	0.3	0	0	0	0
12	0	0	0	0	57	3.2	1.4	0.3	0	0	0	0
13	0	0	0	0	16	2.6	1.2	0.4	0	0	0	0
14	0	0	0	0	10	2.6	1.2	0.6	0	0	0	0
15	0	0	0	0	13	2.6	1.2	0.6	0	0	0	0
16	0	0	0	0	10	2.6	1.2	0.6	0	0	0	0
17	0	0	0	0	8.0	2.6	1.2	0.4	0	0	0	0
18	0	0	0	0	7.0	2.4	1.0	0.3	0	0	0	0
19	0	0	0	0	7.0	2.4	1.0	0.3	0	0	0	0
20	0	0	0	0	6.1	2.4	1.2	0.3	0	0	0	0
21	0	0	0	0	6.1	2.4	0.9	0.3	0	0	0	0
22	0	0	0	0	6.1	2.6	0.6	0.2	0	0	0	0
23	0	0	0	0	5.6	2.9	0.6	0.2	0	0	0	0
24	0	0	0	0	5.6	2.6	0.6	0.2	0	0	0	0
25	0	0	0	0	4.6	2.9	0.6	0.2	0	0	0	0
26	0	0	0	0	4.3	2.9	0.6	0.2	0	0	0	0
27	0	0	0	0	4.0	2.9	0.6	0.3	0	0	0	0
28	0	0	0	0	a 3.5	2.9	0.6	0.3	0	0	0	0
29	0	0	0	0		2.9	0.8	0.2	0	0	0	0
30	0	0	0	0		2.6	0.6	0.2	0	0	0	0
31	0		0	0		2.4		0.1		0	0	
	0	0	0	0	3235	100.9	39.6	10.2	0.2	0	0	0
MEAN	0	0	0	0	11.6	3.25	1.32	0.33	0.01	0	0	0
ACRE-FEET	0	0	0	0	642.	200.	79.	20.	0.4	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.30
ACRE-FEET 945.

160174M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

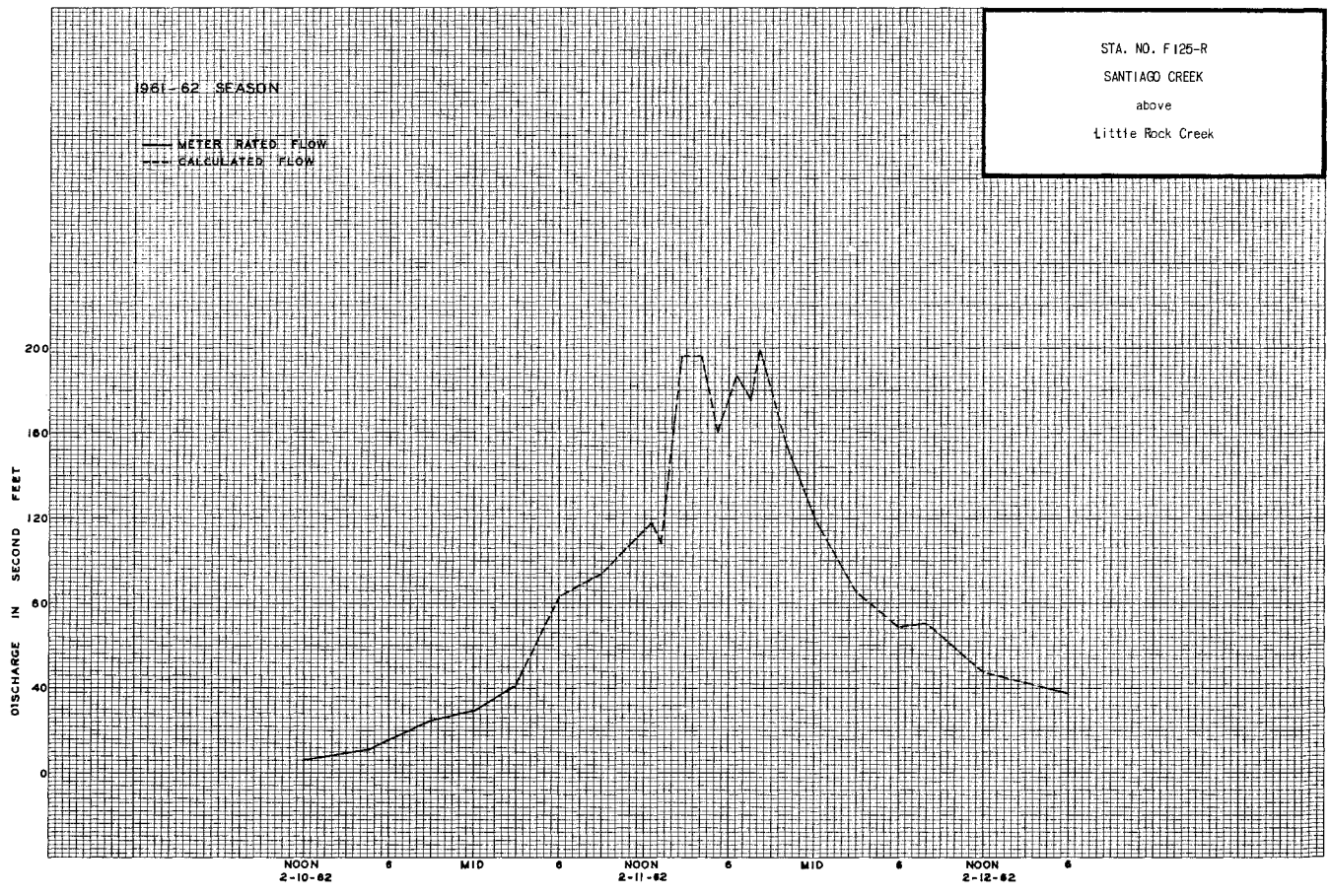
Sta. No. F125-R

Daily discharge, in second-feet of SANTIAGO CREEK above Little Rock Creek, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.2	0.2	0	0	0	0
2	0	0	0	0	0	0	0.2	0.2	0	0	0	0
3	0	0	0	0	0	0	0.2	0.2	0	0	0	0
4	0	0	0	0	0	0	0.2	0.1	0	0	0	0
5	0	0	0	0	0	0	0.2	0.1	0	0	0	0
6	0	0	0	0	0	0	0.2	+	0	0	0	0
7	0	0	0	0	0	0	0.2	|	0	0	0	0
8	0	0	0	0	0	0	0.2	|	0	0	0	0
9	0	0	0	0	0	0	0.2	|	0	0	0	0
10	0	0	0	0	0	0	0.2	|	0	0	0	0
11	0	0	0	0	0	0	0.2	|	0	0	0	0
12	0	0	0	0	0	0	0.1	|	0	0	0	0
13	0	0	0	0	0	0	0.1	|	0	0	0	0
14	0	0	0	0	0	0	0.2	|	0	0	0	0
15	0	0	0	0	0	0	0.2	+	0	0	0	0
16	0	0	0	0	0	0	0.2	0	0	0	0	0
17	0	0	0	0	0	0	0.2	0	0	0	0	0
18	0	0	0	0	0	0	0.2	0	0	0	0	0
19	0	0	0	0	0	0	0.2	0	0	0	0	0
20	0	0	0	0	0	0	0.2	0	0	0	0	0
21	0	0	0	0	0	0	0.9	0	0	0	0	0
22	0	0	0	0	0	0	0.6	0	0	0	0	0
23	0	0	0	0	0	0	0.3	0	0	0	0	0
24	0	0	0	0	0	0	0.3	0	0	0	0	0
25	0	0	0	0	0	0	0.2	0	0	0	0	0
26	0	0	0	0	0	0	0.8	0	0	0	0	0
27	0	0	0	0	0	0	0.4	0	0	0	0	0
28	0	0	0	0	0	0	0.4	0	0	0	0	0
29	0	0	0	0		0.1	0.4	0	0	0	0	0
30	0	0	0	0		0.2	0.3	0	0	0	0	0
31	0		0	0		0.2		0		0	0	
	0	0	0	0	0	0.5	8.4	0.8	0	0	0	0
MEAN	0	0	0	0	0	0.02	0.28	0.03	0	0	0	0
ACRE-FEET	0	0	0	0	0	1.0	17.	1.6	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.03
ACRE-FEET 19.



STATION F278-R
SAWPIT CREEK below Sawpit Dam

LOCATION: LAT. 34°10'32", LONG. 117°59'16", ON THE RIGHT (NORTH) SIDE OF THE STREAM, ABOUT 500 FEET DOWNSTREAM FROM SAWPIT DAM AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF GAGE 1199.27 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. A BROAD-CRESTED WEIR FORMS THE CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:

1961-62
- MAXIMUM 146 SECOND-FEET FEBRUARY 11.
- MINIMUM NO FLOW PART OF YEAR.

1962-63
- MAXIMUM 41 SECOND-FEET FEBRUARY 10.
- MINIMUM NO FLOW SEVERAL DAYS IN OCTOBER.

1942-63
- MAXIMUM 665 SECOND-FEET, MARCH 2, 1938, BASED ON DAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW. SPILLWAY FLOW BY-PASSED STATION.
- MAXIMUM OUTLET DISCHARGE FROM SAWPIT DAM, 284 SECOND-FEET, JANUARY 23, 1943.
- MINIMUM NO FLOW VARIOUS PERIODS EACH YEAR.

ACCURACY: GOOD.

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

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of SAWPIT CREEK below Sawpit Dam for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0	0	e 0.2	0.4	5.9	1.6	1.1	0.7	0	e 0.4	e 0.2
2	2.6	+	+	e 0.2	0.4	5.5	1.6	1.1	0.7	0	0.4	0.2
3	0.6	0	0	e 0.2	0.4	5.2	1.6	1.0	0.6	e 0.3	0.4	0.2
4	0.9	0	0	a 0.2	0.4	4.6	1.4	0.9	0.9	0.3	0.4	0.2
5	0.9	0	0	0.2	0.4	4.6	1.5	0.6	0.9	0.3	0.3	0.2
6	0.8	0	0	0.2	0.4	6.1	1.5	0.9	0.9	0.3	0.3	0.2
7	0.9	0	0	0.1	0.3	5.2	1.5	1.0	0.9	0.3	0.3	0.2
8	0.6	0	0	0.1	3.5	4.6	1.4	0.9	1.1	0.4	0.3	0.2
9	0.7	0	0	0.1	8.6	4.4	1.5	0.9	1.4	0.4	0.3	0.2
10	0.6	0	0	0.1	8.4	3.9	1.5	0.9	1.4	0.4	0.3	0.3
11	0.6	0	0	0.1	6.5	3.7	1.6	0.9	1.4	0.4	0.3	0.3
12	0.6	0	0	0.1	7.5	3.6	1.4	0.9	1.4	0.4	0.2	0.3
13	0.4	0	0	0.1	4.2	3.6	1.4	1.0	1.4	0.4	0.2	0.3
14	0.4	0	+	0.2	2.0	3.1	1.2	1.1	1.5	0.4	0.2	0.3
15	0.3	0	0	0.2	13.0	2.7	1.2	1.1	1.4	0.4	0.2	0.3
16	0.3	0	0	0.2	13.0	2.6	1.4	1.4	1.2	0.4	0.2	0.3
17	0.3	0	0	0.2	9.3	2.6	1.3	1.1	1.2	0.4	0.2	0.2
18	0.3	0	0	0.2	8.3	2.7	1.2	0.8	1.2	0.4	0.2	0.2
19	0.3	0	0	0.2	14.0	2.9	1.3	0.8	1.2	0.4	0.2	0.2
20	e 0.1	0	0	2.1	15.0	3.0	1.3	0.9	1.0	0.4	0.2	0.2
21	0	0	0	1.7	14.0	2.6	1.2	0.8	0.4	0.4	0.2	0.2
22	0	0	0	1.7	11.0	3.4	1.2	0.8	0.2	0.3	0.2	0.2
23	0	0	0	1.6	8.9	2.9	1.2	0.8	0.2	0.3	0.2	0.2
24	0	0	0	1.5	8.3	2.4	1.3	0.8	0.1	0.3	0.2	0.2
25	0	0	0	a 1.5	7.6	2.3	1.4	0.8	+	0.3	0.2	0.2
26	0	0	0	1.2	6.7	2.3	1.4	0.8	+	0.3	0.2	0.2
27	0	0	0	1.0	6.1	2.1	1.4	0.8	+	0.3	0.2	0.2
28	0	0	0	0.6	6.1	2.2	1.3	0.6	0	0.3	0.2	0.2
29	0	0	0	0.6		2.1	1.3	0.6	0	0.4	0.2	0.2
30	0	0	0	0.5		1.9	1.2	0.6	0	0.4	0.2	e 0.2
31	0		e 0.2	0.4		1.9		0.8		e 0.4	e 0.2	
	13.6		0.2	17.7	366.7	106.6	41.5	28.3	23.5	10.4	7.7	6.7
MEAN	0.44	+	+	0.57	13.1	3.45	1.38	0.91	0.78	0.34	0.25	0.22
ACRE-FEET	27.	+	0.4	35.	727.	212.	82.	56.	47.	21.	15.	13.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.71
ACRE-FEET 1240.

760734M Gib 11-59

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 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.3	e 0.2	e 0.2	e 0.2	0.6	0.4	0.8	0.5	e 0.1	0	0	0
2	0.3	0.2	0.2	0.2	0.6	0.4	0.7	0.4	0.1	0	0	0
3	0.3	0.2	0.1	0.2	0.4	0.4	0.6	0.4	0.1	0	0	0
4	0.3	0.2	0.1	0.2	0.4	0.3	0.3	0.4	0.1	0	0	0
5	0.3	0.2	0.1	0.2	0.3	0.3	0.3	0.4	0.1	0	0	0
6	0.3	0.2	0.1	0.2	0.3	0.4	0.2	0.3	0.1	0	0	0
7	0.3	0.2	0.1	e 0.2	0.3	0.4	0.2	0.3	0.1	0	0	0
8	0.2	0.2	0.1	0.6	0.3	0.4	0.3	0.3	0.1	0	0	0
9	0.2	0.2	0.1	0.3	10.0	0.4	0.3	0.3	0.1	0	0	0
10	0.2	0.2	0.1	0.9	9.2	0.4	0.3	0.2	0.1	0	0	0
11	0.2	0.2	0.1	0.6	2.8	0.4	0.3	0.2	0.1	0	0	0
12	0.2	0.2	0.1	0.5	2.2	0.4	0.2	0.1	0.1	0	0	0
13	0.2	0.2	0.1	0.4	1.6	0.4	0.3	0.2	0.1	0	0	0
14	0.2	0.2	0.1	0.4	2.4	0.4	0.4	0.1	0.1	0	0	0
15	0.3	0.2	0.1	0.4	1.8	0.4	0.4	0.1	0.1	0	0	0
16	0.3	0.2	0.1	0.4	1.6	0.8	0.4	0.1	e 0.1	0	0	0
17	0.3	0.2	0.2	e 0.4	1.2	2.0	0.5	0.2	0	0	0	0
18	0.3	0.2	0.2	0.4	1.2	1.0	0.4	0.2	0	0	0	0
19	0.3	0.2	0.2	0.3	1.1	0.8	0.4	0.3	0	0	0	0
20	0.3	0.2	0.2	0.3	0.8	0.7	0.6	0.5	0	0	0	0
21	0.3	0.2	0.2	0.2	0.6	0.6	1.4	0.3	0	0	0	0
22	0.3	0.2	0.2	0.2	0.6	0.8	0.9	0.3	0	0	0	0
23	0.3	0.2	0.2	0.2	0.4	0.8	0.7	a 0.2	0	0	0	0
24	0.3	0.2	0.3	0.2	0.4	0.8	0.5	0.1	0	0	0	0
25	0.3	0.3	0.2	0.2	0.4	0.6	0.6	0.1	0	0	0	0
26	0.3	0.3	0.3	0.2	0.4	0.7	2.0	0.1	0	0	0	0
27	0.3	0.3	0.3	0.2	0.4	0.7	1.1	0.1	0	0	0	0
28	0.2	0.3	0.3	0.2	0.4	0.8	1.0	0.1	0	0	0	0
29	0.2	0.3	0.3	0.2		0.8	0.8	0.1	0	0	0	0
30	0.2	e 0.3	0.3	e 0.2		0.8	0.6	0.1	0	0	0	0
31	e 0.2		e 0.2	0.5		0.8	a	a 0.1		0	0	
	8.2	6.6	5.5	9.8	42.7	19.3	17.5	7.1	1.6	0	0	0
MEAN	0.26	0.22	0.18	0.32	1.52	0.62	0.58	0.23	0.05	0	0	0
ACRE-FEET	16.	13.	11.	19.	85.	38.	35.	14.	3.2	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 234.

STATION U5-R
SAWPIT CREEK below Monrovia Canyon

LOCATION: LAT. 34°10'23", LONG. 117°59'18", IN SW 1/4, SE 1/4, NW 1/4, SEC. 13, T.1N, R.11W, ON LEFT BANK, 0.1 MILE DOWNSTREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE 1107.29 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

CHANNEL AND CONTROL: CONCRETE CONTROL SECTION 33 FEET WIDE AND 15.5 FEET LONG AT STATION WITH NOTCHES FOR LOW, INTERMEDIATE AND HIGH FLOWS.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 19, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTLY REGULATED BY SAWPIT DAM.

DIVERSION: CITY OF MONROVIA DIVERTS WATER ABOVE STATION IN BOTH SAWPIT AND MONROVIA CANYONS. THESE DIVERSIONS WERE 734 ACRE-FEET IN 1961-62 AND 734 ACRE-FEET IN 1962-63.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 353 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW PART OF YEAR.
1962-63
MAXIMUM 64 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW DURING MOST OF YEAR.
1916-63
MAXIMUM ABOUT 1800 SECOND-FEET MARCH 2, 1938.
MINIMUM NO FLOW DURING PARTS OF MOST YEARS.

ACCURACY: RECORDS FAIR.

OPERATION: LOCATED AND CONSTRUCTED BY THE UNITED STATES GEOLOGICAL SURVEY AND OPERATED BY U.S.G.S. UNTIL SEPTEMBER 1961. OPERATION ASSUMED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN OCTOBER, 1961.

FADT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Creek, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 1.0	0.02	0.02	0.4	0	7.8	1.8	0.01	0.01	0.02	0.02	0.02
2	2.6	0.02	5.1	0.5	0.1	7.0	1.5	0.01	0.01	0.02	0.02	0.02
3	0.6	0.02	1.2	0.4	0.5	6.8	1.6	0.01	0.01	0.02	0.02	0.02
4	0.9	0.02	0.4	0.2	0.5	5.8	1.3	0.01	0.01	0.02	0.02	0.02
5	0.9	0.02	0.5	0.2	0.1	6.0	1.2	0.01	0.01	0.02	0.02	0.02
6	0.8	0.02	0.5	0.6	0.01	a 12	1.0	0.01	0.01	0.02	0.02	0.02
7	0.9	0	0.5	0.6	0.3	a 10	0.8	0.01	0.01	0.02	0.02	0.02
8	0.8	0	0.5	0.6	7.2	a 8.0	0.9	0.01	0.01	0.02	0.02	0.02
9	0.7	0	0.6	0.7	16.0	4.0	1.4	0.01	0.01	0.02	0.02	0.02
10	0.6	0.01	0.7	0.2	11.0	3.3	0.6	0.01	0.01	0.02	0.02	0.02
11	0.6	0.01	0.6	0.1	175	2.7	1.4	0.01	0.01	0.02	0.02	0.02
12	0.6	0.02	0.6	0.2	b130	2.7	1.5	0.01	0.01	0.02	0.02	0.02
13	0.4	0.02	0.5	0.3	b 70	2.9	1.2	0.01	0.01	0.02	0.02	0.02
14	0.4	0.02	0.6	0.2	b 28	2.2	1.2	0.04	0.02	0.02	0.02	0.02
15	0.3	0.03	0.5	0.1	b 20	2.3	1.2	0.01	0.02	0.02	0.02	0.02
16	0.3	0.03	0.5	0.04	19	3.0	0.8	0.1	0.02	0.02	0.02	0.02
17	0.3	0.02	0.5	+	14	3.5	0.02	0.01	0.02	0.02	0.02	0.02
18	0.3	0.02	0.5	+	12	3.5	0.01	0.01	0.02	0.02	0.02	0.02
19	0.3	0.01	0.5	0.07	18	3.3	0.01	0.01	0.02	0.02	0.02	0.02
20	e 0.1	0.3	0.5	4.3	14	3.5	0.01	0.01	0.02	0.02	0.02	0.02
21	0.04	0.02	0.5	1.9	12	3.2	0.01	0.01	0.02	0.02	0.02	0.02
22	0.04	0.01	0.4	2.0	11	4.4	0.01	0.01	0.02	0.02	0.02	0.02
23	0.04	0	0.4	3.5	11	3.8	0.01	0.01	0.02	0.02	0.02	0.02
24	0.04	0	0.3	1.3	10	2.5	0.01	0.01	0.02	0.02	0.02	0.02
25	0.04	0.04	0.3	0.6	10	1.9	0.01	0.01	0.02	0.02	0.02	0.02
26	0.04	0.02	0.2	0.3	9.6	2.1	0.01	0.01	0.02	0.02	0.02	0.02
27	0.04	0.02	0.07	0.2	8.8	1.8	0.01	0.01	0.02	0.02	0.02	0.02
28	0.04	0.02	0.7	0.1	8.0	2.3	0.01	0.01	0.02	0.02	0.02	0.02
29	0.04	0.02	0.8	0.1		2.6	0.4	0.01	0.02	0.02	0.02	0.02
30	0.04	0.1	0.5	0.04		2.2	0.3	0.01	0.02	0.02	0.02	0.02
31	0.04		0.6	0.02		1.9		0.01		0.02	0.02	
	14.04	0.86	20.09	19.77	616.11	129.0	20.23	0.43	0.47	0.62	0.62	0.60
MEAN	0.45	0.03	0.65	0.64	22.0	4.16	0.67	0.01	0.02	0.02	0.02	0.02
ACRE-FEET	28.	1.7	40.	39.	1220	256.	40.	0.9	0.9	1.2	1.2	1.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.25
ACRE-FEET 1630.

FADT4M Glb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

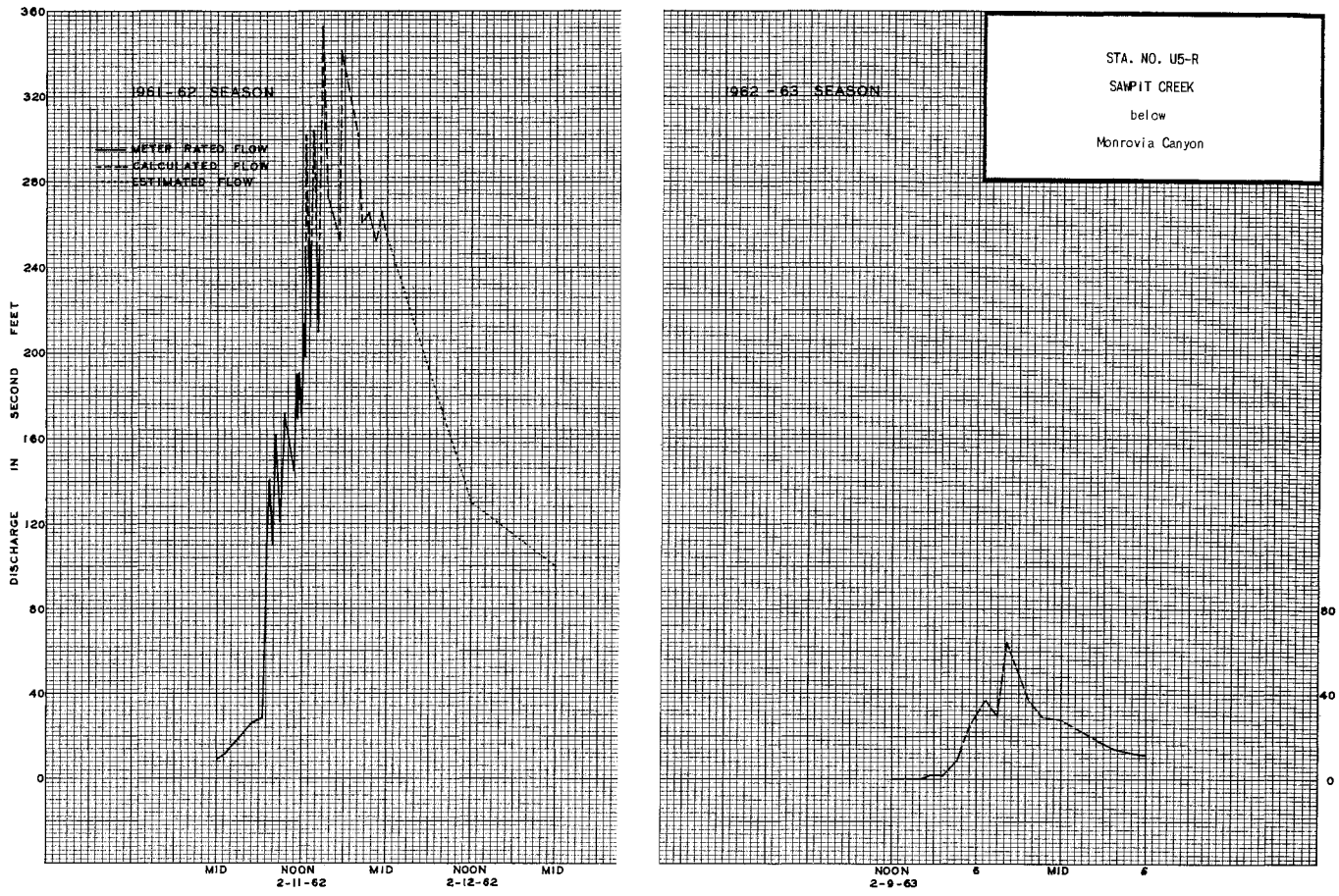
Sta. No. U5-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.01	.02	.01	.01	.7	.03	.2	.4	.01	.01	.01	.02
2	.6	.02	.01	.2	.7	.02	.2	e .2	.01	.01	.01	.02
3	.3	.02	.01	.3	.4	.02	.01	.02	.2	.01	.01	.02
4	.4	.02	.01	.08	.1	.02	.01	.02	.2	.01	.01	.2
5	.2	.01	.01	.01	.01	.02	.02	.02	.03	.01	.01	.2
6	.01	.01	.01	.01	.01	.02	.02	.01	.03	.01	.01	.02
7	.01	.01	.01	.01	.01	.2	.03	.01	.03	.01	.01	.02
8	.01	.01	.01	.08	.01	.2	.03	.01	.03	.01	.01	.02
9	.01	.01	.01	.2	11	.02	.02	.01	.03	.01	.01	.01
10	.01	.01	.01	.8	11	.02	.02	.01	.02	.01	.01	.01
11	.01	.01	.01	.2	4.1	.02	.01	.01	.02	.01	.01	.01
12	.01	.01	.01	.02	1.8	.02	.01	.01	.02	.01	.01	.01
13	.01	.01	.01	.01	1.4	.02	.01	.01	.02	.01	.01	.01
14	.2	.08	.01	.01	2.6	.2	.7	.01	.02	.01	.01	.01
15	.4	.03	.01	.01	1.4	.2	.5	.01	.02	.02	.01	.01
16	.2	.01	.01	.01	11	1	.05	.01	.02	.05	.01	.01
17	.02	.01	.04	.01	.9	2	.3	.01	.01	.04	.01	.01
18	.2	.01	.2	.01	.9	1	.02	.01	.01	.02	.01	.7
19	.4	.01	.1	.01	.8	.3	.2	.01	.01	.01	.01	1.1
20	.02	.01	.01	.01	.2	.02	.9	.01	.01	.01	.01	.7
21	.02	.01	.01	.01	.3	.02	1.7	.01	.01	.01	.02	.5
22	.02	.01	.01	.01	.2	.2	.5	.01	.01	.01	.02	.3
23	.02	.04	.01	.01	.05	.6	.04	.01	.01	.01	.02	.02
24	.02	.1	.01	.01	.05	.4	.01	.01	.01	.01	.02	.01
25	.02	.2	.01	.01	.05	.1	.3	.01	.01	.01	.02	.01
26	.02	.1	.01	.01	.05	.04	3.2	.01	.01	.01	.02	.01
27	.02	.01	.01	.01	.05	.03	1.5	.01	.01	.01	.02	.01
28	.02	.05	.01	.03	.05	1	.3	.01	.01	.01	.02	.01
29	.02	.2	.01	.05		.6	.1	.01	.01	.01	.02	.01
30	.02	.03	.01	.2		.04	.1	.01	.01	.01	.02	.01
31	.02		.01	.5		.03		.01		.01	.02	
	3.25	1.08	.62	2.85	39.94	8.61	11.01	.92	.85	.40	.42	4.00
MEAN	0.10	0.04	0.02	0.09	1.43	0.28	0.37	0.03	0.03	0.01	0.01	0.13
ACRE-FEET	6.4	2.1	1.2	5.7	79.	17.	22.	1.8	1.7	0.8	0.8	8.0

Remarks:

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 146.



STATION F194B-R
SAWPIT WASH below Arrow Highway

LOCATION: LAT. 34°06'22", LONG. 118°00'22", ON THE LEFT (EAST) BANK OF THE CHANNEL ABOUT 2000 FEET BELOW ARROW HIGHWAY AND THREE MILES SOUTH OF MONROVIA. ELEVATION OF ZERO GAGE HEIGHT 322.79 FEET.

DRAINAGE AREA: 16.1 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 35 FEET WIDE AND 15 FEET DEEP. BOTTOM IS WARPED 0.3 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM FOOTBRIDGE 80 FEET ABOVE STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY SAWPIT DAM, SAWPIT DEBRIS BASIN, BUENA VISTA PIT, SANTA FE DAM AND SEVERAL DEBRIS BASINS.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK FOR MUNICIPAL USE. THE FLOOD CONTROL DISTRICT DIVERTS FOR SPREADING AT THE MOUTH OF SAWPIT CANYON AND TO BUENA VISTA PIT.

RECORDS AVAILABLE: DECEMBER 5, 1960 TO SEPTEMBER 30, 1963. (AT STATION F194-R FROM FEBRUARY 22, 1932 TO SEPTEMBER 1935.)

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1300 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW VARIOUS TIMES.
1962-63
MAXIMUM 690 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1960-63:
MAXIMUM 1300 SECOND-FEET FEBRUARY 11, 1962.
MINIMUM PLUS FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

76D74M C6b 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F194B-R

Daily discharge, in second-feet of SAWPIT WASH below Arrow Highway, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.2	6.3	0.1	1.1	e 180	3.4	0.3	1.1	0.8	0.1	0.1
2	1.1	0.1	120	0.3	1.1	176	1.4	0.6	0.8	0.2	0.5	0.1
3	1.3	0.5	3.8	0.2	1.1	145	2.2	0.5	0.2	0.1	0.3	0.1
4	1.1	0.3	0.6	0.3	0.3	200	0.3	0.5	0.2	+	0.1	0.1
5	1.0	0.1	0.6	0.1	0.1	e 104	0.2	0.2	0.3	+	0.1	0.1
6	1.0	0.1	0.6	+	0.1	41	0.2	0.2	0.2	0.1	0.1	0.3
7	1.0	0.1	0.8	+	13.8	124	0.8	0.3	0.2	0.1	0.2	0.1
8	0.8	0.1	1.1	0.1	91	211	1.3	0.3	0.5	+	0.1	0.1
9	0.8	0.1	1.1	0.1	47	149	65	0.3	1.1	0.1	0.1	+
10	0.8	0.1	0.8	0.1	33	63	1.5	0.2	0.2	0.1	0.1	0.1
11	0.6	0.1	0.3	0.1	382	5.6	0.8	0.2	0.2	+	0.1	0.1
12	0.6	0.1	0.1	6.1	289	4.6	0.9	0.2	0.2	0.1	0.1	0.1
13	0.6	+	0.1	0.8	573	4.1	0.2	0.1	0.2	0.1	0.1	0.1
14	0.5	0.1	4.4	0.3	414	4.8	0.1	22	0.3	0.1	0.1	0.1
15	0.5	0.1	0.1	0.5	207	4.6	+	1.5	0.2	0.1	0.1	0.1
16	0.5	0.1	0.1	0.5	26	4.1	0.9	4.9	0.5	0.1	0.1	0.1
17	0.5	0.1	0.1	0.6	275	3.4	0.1	1.7	0.1	0.1	0.1	0.1
18	0.3	+	0.3	0.8	197	7.1	0.8	1.0	0.1	0.1	0.1	0.1
19	0.3	+	1.3	0.8	127	2.7	0.6	0.2	0.1	0.1	0.1	0.1
20	0.3	80	0.3	124	171	4.2	1.4	0.3	0.8	0.1	0.1	0.1
21	0.1	0.1	0.1	7.4	236	2.7	0.3	0.3	1.1	0.1	0.1	0.1
22	0.2	0.1	0.1	28	142	11.6	0.2	0.3	0.3	0.6	0.1	0.1
23	0.1	0.1	+	1.1	135	4.1	0.2	0.2	0.3	0.1	0.1	+
24	0.1	0.1		0.8	166	3.4	0.5	0.3	+	0.1	0.1	0.1
25	0.1	24		0.3	162	2.7	0.5	0.5	0.1	0.1	+	0.1
26	0.1	3.2	+	0.2	135	2.7	0.5	0.3	0.1	0.1	+	0.1
27	0.1	0.3	0.1	0.1	84	2.0	0.3	0.8	0.1	0.1	0.1	0.1
28	0.1	0.1	0.3	0.1	121	1.5	0.5	0.5	0.1	0.1	0.1	0.1
29	0.1	0.3	0.1	0.3		0.8	0.3	0.3	0.1	0.1	0.1	0.1
30	0.1	4.0	0.2	1.0		0.8	0.5	0.3	0.1	0.1	0.1	0.5
31	0.1		0.6	1.1		3.9		0.3		0.1	0.1	
	14.9	114.6	144.7	176.4	4030.6	1418.1	85.9	39.6	9.8	4.0	3.6	3.4
MEAN	0.48	3.89	4.66	5.69	144.	45.7	2.86	1.28	0.33	0.13	0.12	0.11
ACRE-FEET	29.	227.	287.	350.	7990.	2810.	170.	79.0	19.	7.9	7.1	6.7

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 16.6
ACRE-FEET 11,980.

76D74M C6b 1-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

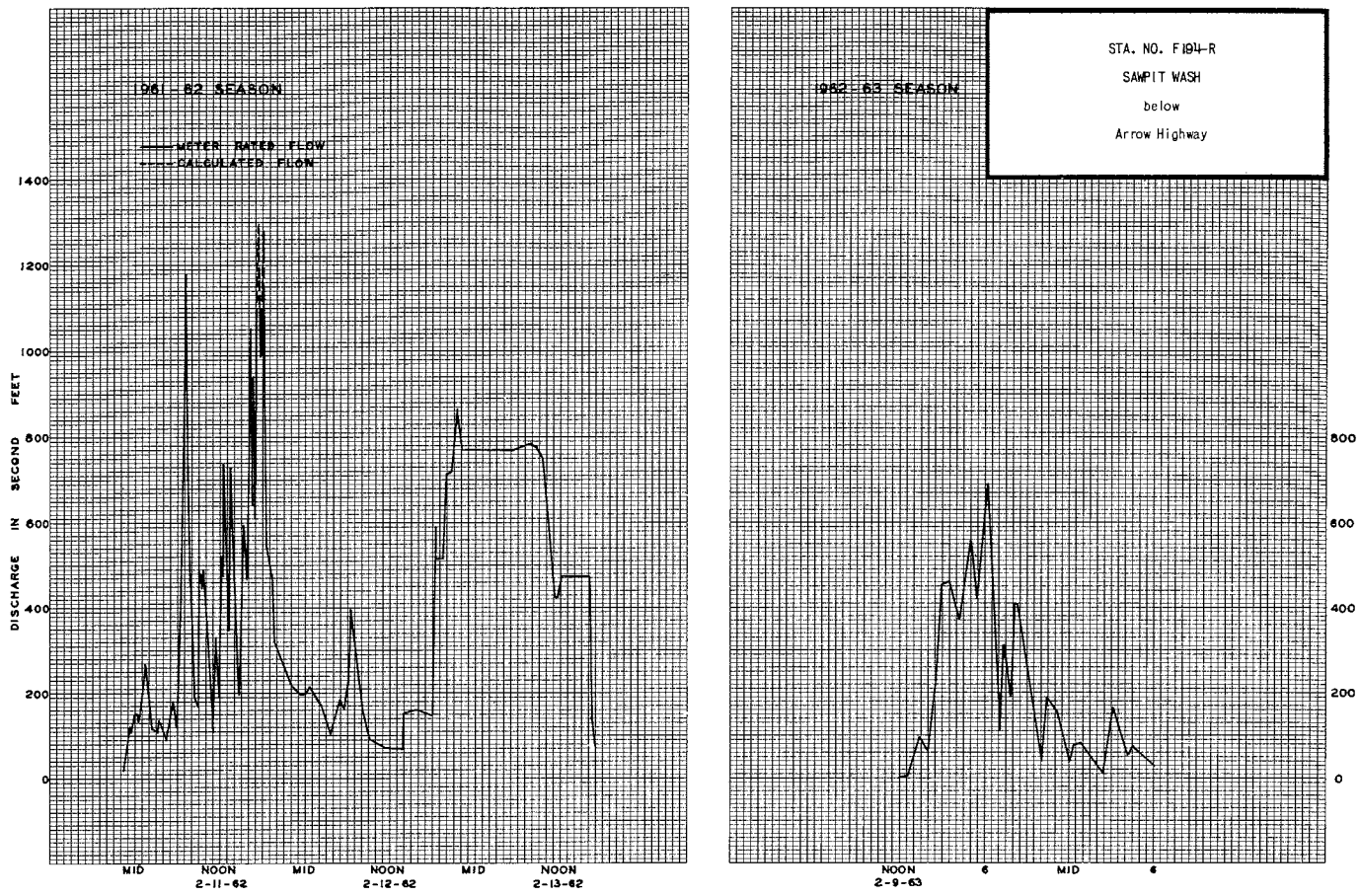
Sta. No. F194B-R

Daily discharge, in second-feet of SAWPIT WASH below Arrow Highway, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.6	+	+	.5	3.7	+	.1	1.5	.1	.2	.1	.1
2	.1	.1	+	.6	.8		.1	1.1	.1	.2	.1	.1
3	.1	+	+	.6	.5		.1	.6	.6	.2	+	.8
4	1.9		.1	.3	.6		+	.3	1.3	.1	+	18.6
5	.8		.1	.6	.5			.2	1.1	.1	+	.8
6	.6		.1	.3	.5	+		.1	1.5	.1	.5	.1
7	.8		.1	.6	.6	.1	+	.2	1.1	.1	.5	.1
8	.6	+	+	.6	.6	+	1.7	.2	1.1	.1	.1	.1
9	.6	.1	+	2.0	137	3.7	1.1	.1	1.1	.3	+	.1
10	.3	+	.1	2.2	39	+	.6	.6	1.5	.5	+	.1
11	.1	+	.1	.5	2.4		.6	.5	2.7	.1	+	.1
12	.1	.1	+	.5	1		.5	.1	1.3	.1	.1	.1
13	.5	.1	.1	.2	1		.6	.1	3.5	.1	.6	.1
14	1.5	+	.1	.3	26	+	13.4	.1	1.0	.3	1.0	+
15	1.0	.1	+	.3	.6	2.9	4.3	.2	.6	+	.3	+
16	1.0	.1	+	.6	1.1	55	.5	.1	.6	.1	.5	.1
17	.6	+	.3	.6	1.8	7.2	2.9	.1	.5	.3	+	2.0
18	.8		.1	.5	.8	.2	.5	.1	.1	.3	+	4.5
19	.8		.1	.5	+	.1	.5	.1	.1	.2	.1	7.3
20	.8		.1	.5	.1	.3	12.4	.2	.1	.6	.3	.5
21	.3	+	.1	.1	+	.8	6.0	.1	.3	1.0	.2	.6
22	.1	+	.1	.1	+	.8	.8	.1	.2	.8	.2	.3
23	.1	+	.1	.1	.1	4.2	.8	.1	.1	.8	.1	.2
24	.1	1	.1	.1	+	.8	.8	.1	.1	.1	.1	.5
25	.1	+	.1	.1		.1	.8	.1	.2	.1	.2	.5
26	.1	+	+	.1		+	34	.5	.1	.2	.1	.1
27	.1	.1	.1	.1		.1	1.1	.1	.1	.1	.2	.3
28	.1	.1	+	.1	+	15.7	1	.2	.6	.1	.1	.2
29	.2	.1	+	+		.1	.8	.2	.2	.5	.1	.3
30	.1	.1	+	+		+	1.1	.1	.1	.6	.2	1.0
31	.1		.1	21		+		.1		.8	.1	
	15.4	1.0	2.6	35.6	218.7	92.1	87.1	8.4	22.6	9.1	5.8	98.1
MEAN	0.50	0.03	0.08	1.15	7.81	2.97	2.90	0.27	0.75	0.29	0.19	3.27
ACRE-FEET	31.	2.0	5.2	71.	434.	183.	173.	17.	45.	18.	12.	195.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.63
ACRE-FEET 1180.



STATION F301-R
SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard

LOCATION: LAT. 33°59'56", LONG. 118°24'55", ON THE RIGHT (SOUTH) CHANNEL WALL. 141 FEET ABOVE CULVER BOULEVARD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 21.7 FEET ABOVE MEAN SEA LEVEL, U.S.G.S. DATUM.

DRAINAGE AREA: 22.96 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL 40 FEET WIDE AND 13 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND /OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND-FEET INTO SAWTELLE-WESTWOOD CHANNEL ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EVERY DAY.

RECORDS AVAILABLE: JANUARY 22, 1951 TO SEPTEMBER 30, 1963, AT STATION F185-R. SEPULVEDA CREEK AT CHARNOCK ROAD. RECORDER RECORDS AVAILABLE SEPTEMBER 15, 1932 TO MARCH 3, 1937; AUGUST 11, 1937 TO MARCH 2, 1938, AND JULY 7, 1938 TO MAY 29, 1950. FROM MAY 29, 1950 TO JANUARY 22, 1951, NO RECORD DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 7250 SECOND-FEET (ESTIMATED) FEBRUARY 12.
MINIMUM 0.1 SECOND-FOOT ON VARIOUS DAYS.
1962-63
MAXIMUM 2590 SECOND-FEET MARCH 28.
MINIMUM 1.0 SECOND-FOOT APRIL 22 AND 28.
1951-63
MAXIMUM 7250 SECOND-FEET FEBRUARY 12, 1962.
MINIMUM 0.1 SECOND-FOOT ON VARIOUS DAYS 1961-62.

ACCURACY: GOOD FOR HIGH FLOWS; POOR FOR EXTREME LOW FLOWS.

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

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	1.5	35	1.5	2.0	4.5	1.5	2.0	2.0	3.8	3.8	3.8
2	1.5	1.5	284	2.0	2.0	4.5	2.5	2.0	2.0	3.8	2.5	3.8
3	2.0	2.0	b 4.0	2.0	2.0	3.8	3.1	2.0	2.0	3.8	3.1	4.5
4	2.0	2.0	2.0	2.5	1.5	3.1	2.5	2.5	2.0	3.8	3.1	4.5
5	1.5	2.0	2.0	2.0	2.0	3.8	3.8	2.0	2.5	3.8	3.1	4.5
6	2.5	2.0	b 2.0	2.5	2.0	110	2.5	2.0	2.5	3.1	4.5	3.8
7	2.0	2.5	2.0	2.5	83	3.8	2.5	2.5	3.1	3.1	3.8	3.8
8	2.5	1.5	2.0	2.5	838	3.8	2.5	2.5	3.1	3.1	3.8	3.1
9	2.5	2.0	2.0	2.5	376	3.1	3.8	2.0	3.1	3.1	3.1	3.1
10	2.0	2.0	1.0	2.5	1080	3.1	3.1	2.0	3.1	3.8	3.1	3.1
11	2.0	2.5	2.0	2.0	756	3.8	3.8	2.5	3.1	3.8	3.1	3.1
12	2.5	2.5	1.0	17.5	422	3.1	3.1	2.0	3.1	3.1	2.5	3.1
13	3.1	2.0	1.5	3.8	50	3.1	3.1	2.0	3.8	3.8	3.1	3.8
14	3.1	2.0	22	1.5	48	2.5	3.1	2.5	3.8	4.5	3.1	4.5
15	3.1	2.5	2.0	1.5	575	2.5	3.1	2.5	3.8	3.1	3.8	3.8
16	3.1	3.1	1.5	2.0	77	2.5	2.5	4.8	5.2	3.1	3.1	4.5
17	1.5	3.1	2.5	2.0	8.0	2.5	2.5	3.8	4.5	2.5	2.5	4.5
18	1.5	3.1	1.5	2.0	7.0	60	2.5	3.1	3.8	3.1	2.5	3.8
19	1.5	1.5	1.5	2.0	555	3.1	2.0	3.1	3.8	3.1	3.1	3.8
20	2.0	140	1.5	365	45	5.2	2.0	2.5	3.1	2.5	2.5	3.1
21	1.5	b 1.5	1.5	40	12.7	2.5	2.5	2.5	2.5	3.1	2.5	3.8
22	1.5	2.0	1.5	146	9.0	36	2.0	3.8	2.5	2.5	3.8	3.8
23	1.5	2.0	1.5	3.8	6.1	3.1	2.5	3.8	2.5	3.1	3.1	3.1
24	1.5	2.0	1.5	1.0	8.7	2.0	2.0	3.1	2.5	3.1	2.5	3.1
25	1.0	172	1.5	1.5	5.2	2.0	2.0	3.1	2.5	3.1	2.5	3.1
26	1.0	3.8	1.5	1.5	4.5	2.0	2.5	3.1	2.5	3.1	3.8	2.5
27	1.0	2.0	1.5	1.5	3.8	2.0	2.5	2.5	3.1	3.1	3.8	3.1
28	0.6	1.5	1.5	1.0	3.8	2.0	3.1	2.0	3.1	3.1	3.8	3.1
29	0.6	2.0	1.5	1.5		2.0	1.5	2.0	3.8	2.5	4.5	3.1
30	1.0	44	1.5	2.0		2.0	2.0	2.0	3.8	3.1	4.5	2.5
31	1.5		1.5	2.0		2.0		2.0		3.1	3.8	
	566	414.1	389.5	623.6	4985.3	289.4	781	80.2	92.2	100.7	101.8	107.2
MEAN	1.83	13.8	12.6	20.1	178.2	9.34	2.60	2.59	3.07	3.25	3.28	3.57
ACRE-FEET	112.	821.	773.	1240.	9890.	574.	155.	159.	183.	200.	202.	213.

Remarks:

YEAR OR PERIOD MEAN 20.1
ACRE-FEET 14,520.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

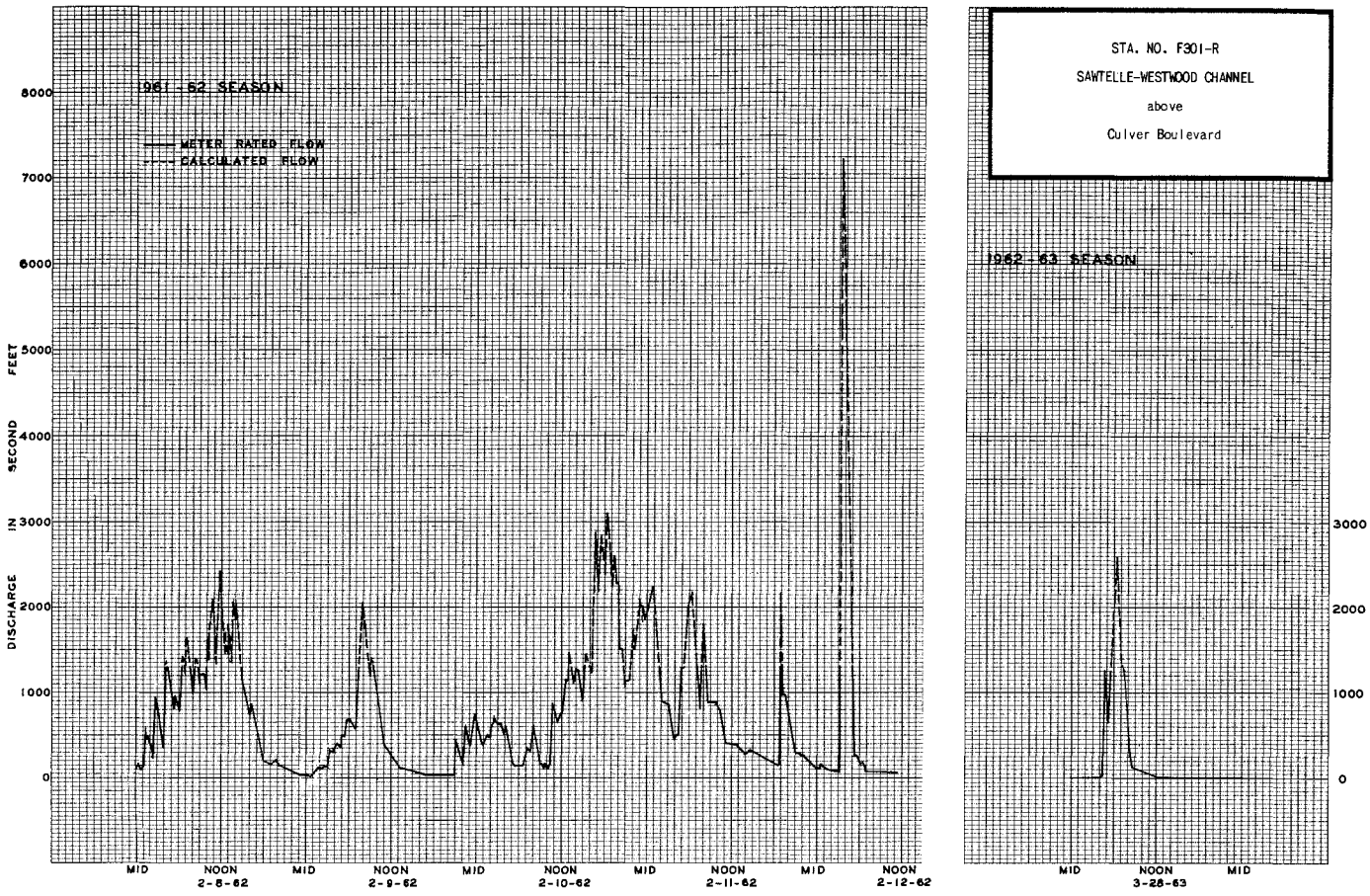
Sta. No. F301-R

Daily discharge, in second-feet of SAWTELLE-WESTWOOD CHANNEL above Culver Boulevard, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1	3.1	3.1	1.5	30	2.0	1.5	3.1	2.5	1.5	3.1	3.1
2	3.1	3.1	3.1	2.0	2.0	2.5	2.0	3.1	3.1	2.0	3.1	3.8
3	3.1	3.1	3.8	2.0	2.0	2.5	2.0	3.1	3.1	2.0	3.1	3.8
4	3.1	3.8	3.8	2.0	2.0	2.0	2.0	2.5	3.8	1.5	2.5	54
5	3.1	2.5	3.8	2.5	2.0	2.0	2.5	2.5	3.1	2.0	3.1	1.5
6	4.5	3.1	3.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.8	2.0
7	3.8	3.1	3.8	2.5	2.5	2.0	2.0	2.5	2.5	1.5	3.1	2.0
8	4.5	3.8	3.8	3.1	2.0	2.0	6.4	1.5	2.5	2.5	34	2.0
9	3.1	3.1	3.1	3.1	511	6.7	1.5	2.5	2.5	2.5	2.0	2.5
10	3.1	3.8	3.8	2.0	147	b 2.0	1.5	2.0	3.8	2.5	2.0	2.5
11	3.8	3.1	3.1	2.0	6.1	b 2.0	1.5	1.5	21	2.5	2.0	2.5
12	3.8	3.1	2.0	1.0	5.2	2.0	2.0	1.5	2.0	2.5	2.5	3.1
13	2.0	2.5	2.0	2.0	6.1	2.0	1.5	2.0	2.5	2.5	2.5	2.5
14	20	3.1	3.1	2.5	19.5	2.0	68	3.1	2.5	1.5	2.5	2.5
15	b 3.1	2.5	2.0	2.5	2.5	8.5	8.1	2.5	2.5	2.5	2.5	2.5
16	b 3.1	3.1	2.0	3.1	2.5	286	2.0	3.1	2.0	3.1	3.1	2.5
17	b 3.1	3.1	1.5	3.8	2.0	11.3	2.0	3.8	2.0	3.1	3.1	46
18	3.1	3.1	1.5	4.5	2.0	2.0	2.0	2.5	3.1	3.1	2.5	3.1
19	3.1	3.1	1.5	3.1	2.0	1.5	1.5	2.5	2.5	3.1	3.8	5.9
20	3.8	3.1	1.5	3.1	2.0	1.5	35	3.8	2.5	2.5	3.8	2.0
21	2.5	3.1	1.5	4.5	2.0	2.5	5.8	4.5	2.5	2.5	3.1	2.0
22	2.5	3.1	1.5	3.8	2.0	25	1.0	4.5	2.0	3.1	2.5	1.5
23	4.5	3.1	2.0	2.5	2.0	10.2	1.5	3.8	1.5	2.5	3.1	2.0
24	3.1	3.1	2.5	2.5	2.0	2.0	1.5	4.5	1.5	2.5	2.5	2.0
25	3.8	3.1	2.0	3.8	2.0	2.0	39	3.1	2.5	2.5	2.5	2.5
26	3.1	3.1	2.0	3.1	2.0	2.5	52	3.1	2.0	3.1	2.5	2.5
27	3.8	3.1	2.0	3.1	2.5	2.0	1.0	3.1	2.0	2.5	2.5	2.5
28	3.1	3.1	2.5	3.1	2.5	226	1.5	2.5	2.5	2.5	2.5	2.5
29	3.1	3.1	2.5	4.5		2.5	2.0	2.5	2.0	3.8	3.1	2.0
30	3.1	3.1	2.0	3.8		2.0	2.5	2.0	2.0	3.1	3.1	2.5
31	3.1		2.5	101		2.0		2.0		3.1	2.0	
	119.1	93.3	79.1	186	769.4	623.2	254.8	86.7	92	77.6	117.5	171.8
MEAN	3.84	3.11	2.55	6.00	27.5	20.1	8.49	2.80	3.07	2.50	3.79	5.73
ACRE-FEET	236.	185.	157.	369.	1530.	1240.	505.	172.	182.	154.	233.	341.

Remarks:

YEAR OR PERIOD MEAN 7.32
ACRE-FEET 5300.



STATION F67B-R
SIERRA MADRE WASH below Sierra Madre Dam

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

DRAINAGE AREA: 2.4 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: THE 30-INCH DIAMETER GATE VALVE IN THE SIERRA MADRE DAM REMAINS OPEN EXCEPT IN EMERGENCY CONDITIONS. 51-INCH SLUICEWAY IS NOT GATED AND IS OPEN AT ALL TIMES.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT.

RECORDS AVAILABLE:
AT STATION F67-R - JANUARY 28, 1929 TO MAY 20, 1936.
AT STATION F67B-R - MAY 21, 1936 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 120 SECOND-FEET FEBRUARY 11.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 68 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1929-63
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.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	a 1.8	1.4	0.2	0.1	+	+	+
2			3.4			2.3	1.4	0.2	+			
3			0.2			2.1	1.6	+				
4			+			1.3	1.6					
5						a 2.3	1.4					
6						f 5.0	1.2					
7					+	a 4.0	1.1					
8					3.6	4.0	1.0					
9					8.9	4.0	1.0					
10					7.7	3.7	1.0					
11					5.3	3.4	0.9					
12					a 2.7	3.4	0.7					
13					a 13.4	3.3	0.5	+				
14					f 11.8	3.1	0.5	0.6				
15					11.5	3.1	0.5	1.2				
16					10.6	3.0	0.5	1.3				
17					9.2	2.7	0.5	0.9				
18					8.4	2.8	0.4	0.7				
19		+		+	11.4	2.5	0.4	0.5				
20		0.2		f 3.1	12.4	2.5	0.4	0.6				
21		0.4		+	12.1	2.4	0.3	0.5				
22		0.4			f 9.4	2.7	0.3	0.5				
23		0.4			f 7.6	2.5	0.3	0.3				
24		0.1			3.5	2.2	0.3	0.3				+
25		+			3.5	2.2	0.3	0.3				0.2
26					b 2.4	2.0	0.3	0.3				+
27					b 2.5	1.9	0.3	0.3				
28					b 3.3	1.8	0.3	0.3				
29						1.8	0.3	0.3				
30		+				1.7	0.2	0.3	+			+
31	+		+	+		1.6		0.2		+	+	
	+	1.5	3.6	3.1	234.1	93.1	20.7	9.7	0.1	+	+	0.2
MEAN	+	0.05	0.12	0.10	8.36	2.68	0.69	0.31	+	+	+	+
ACRE-FEET	+	3.0	7.1	6.1	464.	165.	41.	19.	0.2	+	+	0.4

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 706.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

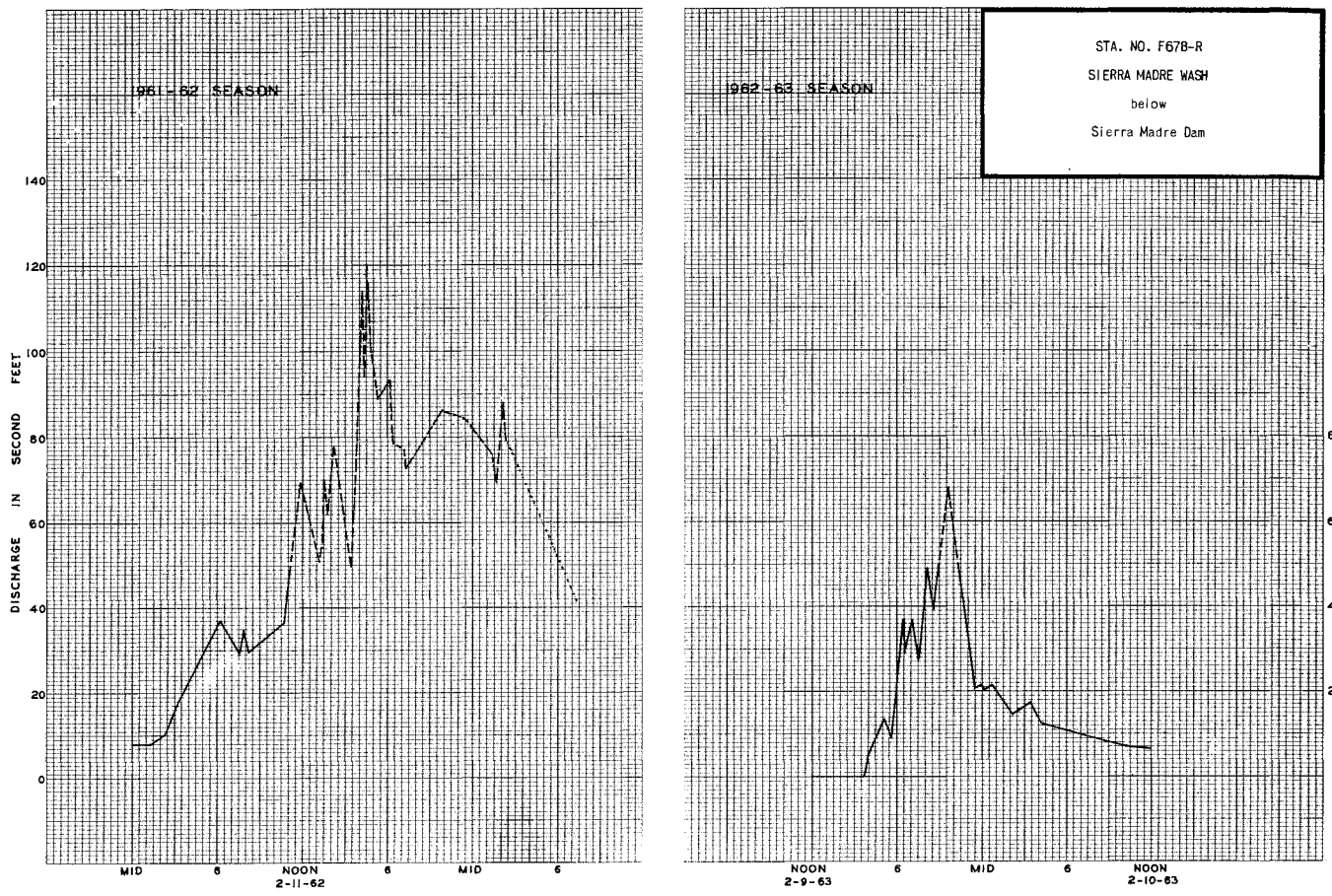
Sta. No. F67B-R

Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	+	+	+	+	+	+	+	+
2												
3												
4												
5												
6												
7												
8					+							
9					10.7							
10					8.4							
11					a .2							
12					a .2							
13					a .1							
14					+							
15						+						
16						.6						
17						.5						+
18						+						e .2
19							+					e .3
20							.3					+
21							.2					
22							+					
23							+					
24							+					
25							.1					
26							.7					
27							.1					
28					+		+					
29							+					
30		+					+		+			+
31	+		+	+		+		+		+	+	
	+	+	+	+	19.7	1.1	1.4	+	+	+	+	0.5
MEAN	+	+	+	+	0.70	0.04	0.05	+	+	+	+	0.02
ACRE-FEET	+	+	+	+	39.	2.2	2.8	+	+	+	+	1.0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 45.



STATION F267B-R
SIERRA MADRE WASH at Highland Oaks Drive

LOCATION: LAT. 34°09'18", LONG. 118°01'36", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL 50 FEET ABOVE HIGHLAND OAKS AVENUE, ONE AND ONE HALF MILES SOUTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 555.19 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 13 FEET WIDE AND 11.5 FEET DEEP, WARPED 0.15 FOOT TOWARD STATION.
CONTROL - CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM UPSTREAM END OF CLOSED CONDUIT 50 FEET BELOW STATION.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: PARTIALLY REGULATED BY SIERRA MADRE DAM. USUAL REGULATION AFFECTS HIGH FLOWS ONLY.

DIVERSIONS: UNDERGROUND AND SURFACE FLOWS 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: AT STATION F267B-R FROM DECEMBER 11, 1959 TO SEPTEMBER 30, 1963. AT STATION F267-R FROM DECEMBER 30, 1938 TO APRIL 20, 1959. SEVERAL YEARS' RECORDS WERE NOT PUBLISHED DUE TO LACK OF SUFFICIENT RELIABLE DATA.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 429 SECOND-FEET FEBRUARY 11.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 193 SECOND-FEET ESTIMATED FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1938-63
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM OF RECORD 706 SECOND-FEET JANUARY 6, 1959.

ACCURACY: POOR.

OPERATION: LOCATED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. CONSTRUCTED BY THE UNITED STATES CORPS OF ENGINEERS.

F6D74M C&h 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267B-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Highland Oaks Drive, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	1.0	+	+	+	0	0	+	+	+	+
2			25	+		+	0	0				
3			1.3	0		+	0	0				
4			+	0		0.1	0	0				
5				0		0.1	0	0				
6				+	+	3.1	+	0				
7					1.6	0.5	+	0				
8					12.6	0	+	0				
9					19.5	0.1	0	0				
10				+	28	0.1	+	0				
11			+	0	128	+	+	0				
12			0	1.0	b 56	0.1	0	0				
13			0	+	f 32	0	+	0				
14			0.7	+	24	0	0	1.6				
15			+	+	15.7	0	0	0.1				
16				0	8.9	0	+	2.5				
17				0	10.9	0	0	0				
18				0	b 8.4	1.8	0	0				
19		+		0	26	4.0	+	0				
20		3.8		9.9	22	1.7	+	0				
21		0.2		a +	17.2	0.6	0	0				
22		0.2		2.4	12.6	2.8	0	0				
23		0.2		0.1	10.0	2.5	0	0				
24		0.1		0.1	7.4	0	+	0				
25		1.2		+	4.2	0	+	0				
26		0.1	+		1.8	+	0	0				
27		+	0		0.6	0	0	0				
28		+	0		+	0	0	0				
29		+	+			0	0	0				
30		0.2	+			0	0	0	+			+
31	+		+	+		0		0		+	+	
	+	5.4	28.0	13.5	448.0	17.7	+	4.2	+	+	+	+
MEAN	+	0.18	0.90	0.44	16.0	0.57	+	0.13	+	+	+	+
ACRE-FEET	+	11.	56.	27.	888.	35.	+	8.4	+	+	+	+

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 1.42
ACRE-FEET 1030.

F6D74M C&h 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

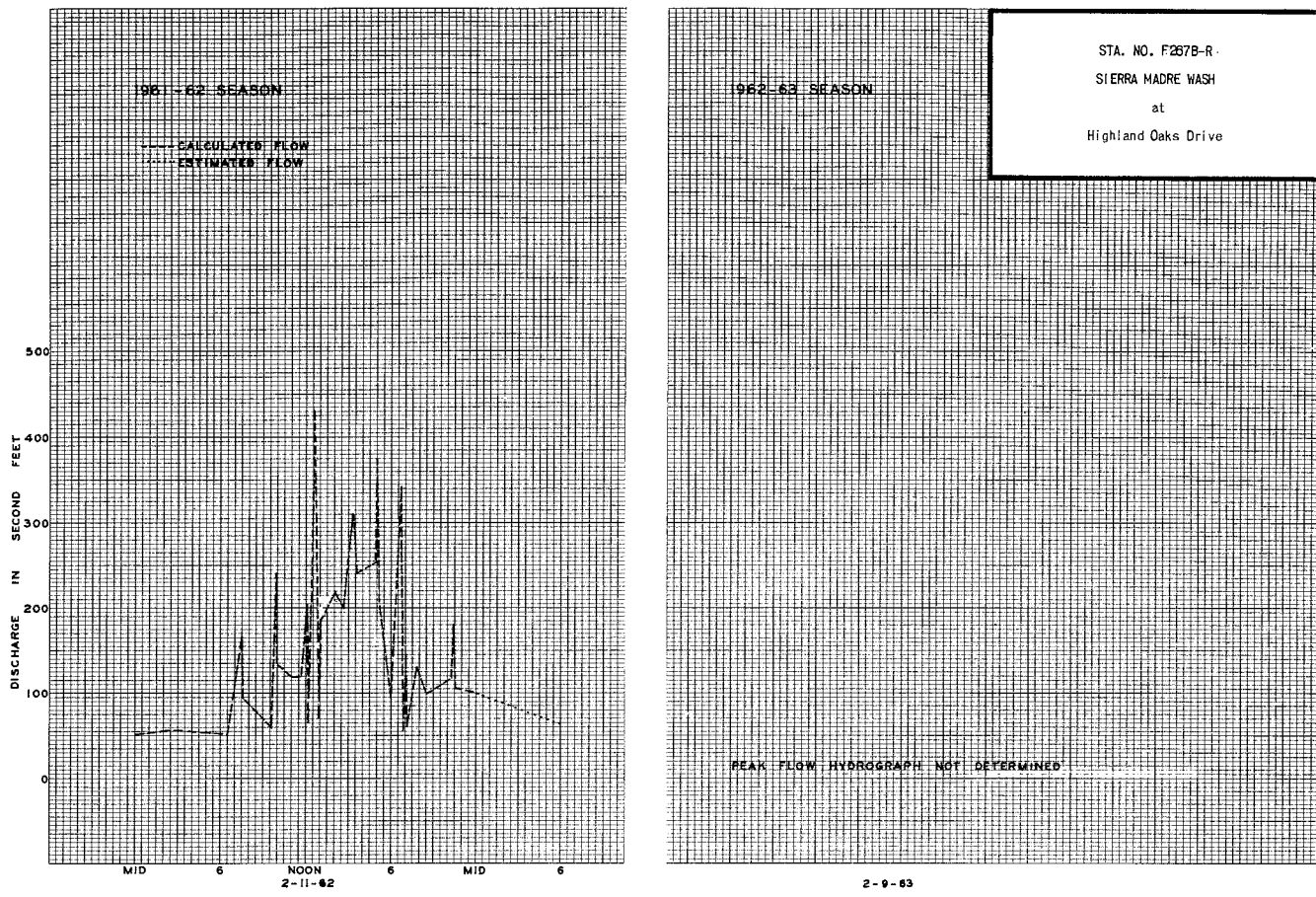
Sta. No. F267B-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Highland Oaks Drive, for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	+	+	e .5	+	0	+	+	+
2	+	0	0	0	+		+		0			+
3	+	0	0	0	0		+		+			+
4	e 4.5	0	0	0	0		+					e 2.6
5	e .1	0	0	0	0		e .8					+
6	+	0	0	0	0		+					
7		0	0	0	0							
8		0	0	0	0							
9		0	0	e 3.4	e 32				+			
10		0	0	e 1.5	6.9				e .1			
11		0	0	+	.2				e .2			
12		0	0	+	1.1				+			
13		0	0	0	2.4		+					
14		0	0	0	10.5		e 2.9					
15		0	0	0	.2	+	e .3					
16		0	0	0	e .2	e 9.0	+					+
17	+	0	0	0	+	e 6.9	e .5					1.4
18	e .1	0	0	0	e .2	+	+					1.5
19	+	0	0	0	e .2		+					.8
20		0	0	0	+		e 5.9					b .1
21		0	0	0			e .6					.1
22	+	0	0	0		+	+					.1
23	e .2	0	0	0		e .1						.1
24	0	0	0	0		+						.1
25	0	0	0	0			+					.1
26	e 1.2	0	0	0			e 3.3					b .1
27	+	0	0	0		+	+					+
28		0	0	0	+	e 2.6						
29		0	0	0		+						
30		0	0	0		+	+		+			+
31	+		0	e10.5		+		+		+	+	
	6.1	0	0	15.4	53.9	18.6	14.8	+	0.3	+	+	7.0
MEAN	0.20	0	0	0.50	1.92	0.60	0.49	+	0.01	+	+	0.23
ACRE-FEET	12.	0	0	31.	107.	37.	29.	+	0.6	+	+	14.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.32
ACRE-FEET 231.



STATION B324-R
STODDARD CREEK above San Antonio Creek

LOCATION: LAT. 34°10'29", LONG. 117°40'12", ON THE LEFT (SOUTH) BANK ABOUT 800 FEET ABOVE MOUTH OF CANYON. ELEVATION OF ZERO GAGE HEIGHT 2477.9 FEET.

DRAINAGE AREA: 1.71 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - LARGE ROCK AND GRAVEL WITH STEEP ROCKY BANKS.
CONTROL - CONCRETE BROADCRESTED WEIR.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSION: NONE.

RECORDS AVAILABLE: OCTOBER 20, 1958 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 395 SECOND-FEET NOVEMBER 20.
MINIMUM NO FLOW VARIOUS TIMES.
1962-63
MAXIMUM 55 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1958-63
MAXIMUM 395 SECOND-FEET NOVEMBER 20, 1961.
MINIMUM NO FLOW AT VARIOUS TIMES EACH YEAR.

ACCURACY: GOOD.

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

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. B324-R

Daily discharge, in second-feet of STODDARD CREEK above San Antonio Creek, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.9	+	+	a 0.6	0.3	0.2	0.1	+	0	0
2	0	0	14	0		0.6	0.3	0.2	0		0	0
3	0	0	b 0.2	0		0.7	0.3	0.2	0.1		0	0
4	0	0	b 0.2	+		0.7	0.3	0.2	0.2		0	0
5	0	0	0.1	0		0.6	0.3	0.2	0.2		0	0
6	0	0	b 0.1	0	+	a 0.6	0.3	0.2	0.1		0	0
7	0	0	0.1	0	0.9	b 0.6	0.3	0.1	+		0	0
8	0	0	+	0	14	0.6	0.2	0.1			0	0
9	0	0		0	b 11	0.6	0.2	0.1			0	0
10	0	0		0	2.3	0.6	0.2	0.1			0	0
11	0	0		0	6.0	0.6	0.1	0.1			0	0
12	0	0		+	b 2.4	0.6	0.1	0.1			0	0
13	0	0		0.1	2.0	0.6	0.1	0.2			0	0
14	0	0		0	1.4	b 0.6	+	0.3			0	0
15	0	0		0	4.1	0.6		0.2			0	0
16	0	0		0	2.9	0.6		2.5			0	0
17	0	0		0	1.7	0.6		0.5			0	0
18	0	0		0	1.4	0.7		0.2			0	0
19	0	0		0	4.3	0.7		0.2			0	0
20	0	1.5		1.8	1.0	0.7		0.2			0	0
21	0	b 0.1		b 0.7	b 0.8	0.5		0.1			0	0
22	0	0.1		0.5	b 1.4	0.6		0.1			0	0
23	0	0.1		0.3	b 1.6	0.7		0.1			0	0
24	0	0.1		b 0.1	2.0	0.6	+	0.2			0	0
25	0	b 0.5		+	1.7	b 0.6	0.2	0.2			0	0
26	0	0.2			1.4	0.7	0.2	0.2		+	0	0
27	0	+			1.0	0.7	0.2	0.2		0	0	0
28	0	+			0.9	b 0.7	0.2	0.2		0	0	0
29	0	+				0.6	0.2	0.1		0	0	0
30	0	0.3				0.6	0.2	0.1	+	0	0	0
31	0		+	+		0.5		0.1		0	0	
	0	16.4	16.6	19.7	66.9	19.7	4.2	7.5	0.7	+	0	0
MEAN	0	0.55	0.54	0.64	2.39	0.64	0.14	0.24	0.02	+	0	0
ACRE-FEET	0	33.	33.	39.	133.	39.	8.7	15.	1.4	+	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.42
ACRE-FEET 302.

76D74M C4b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

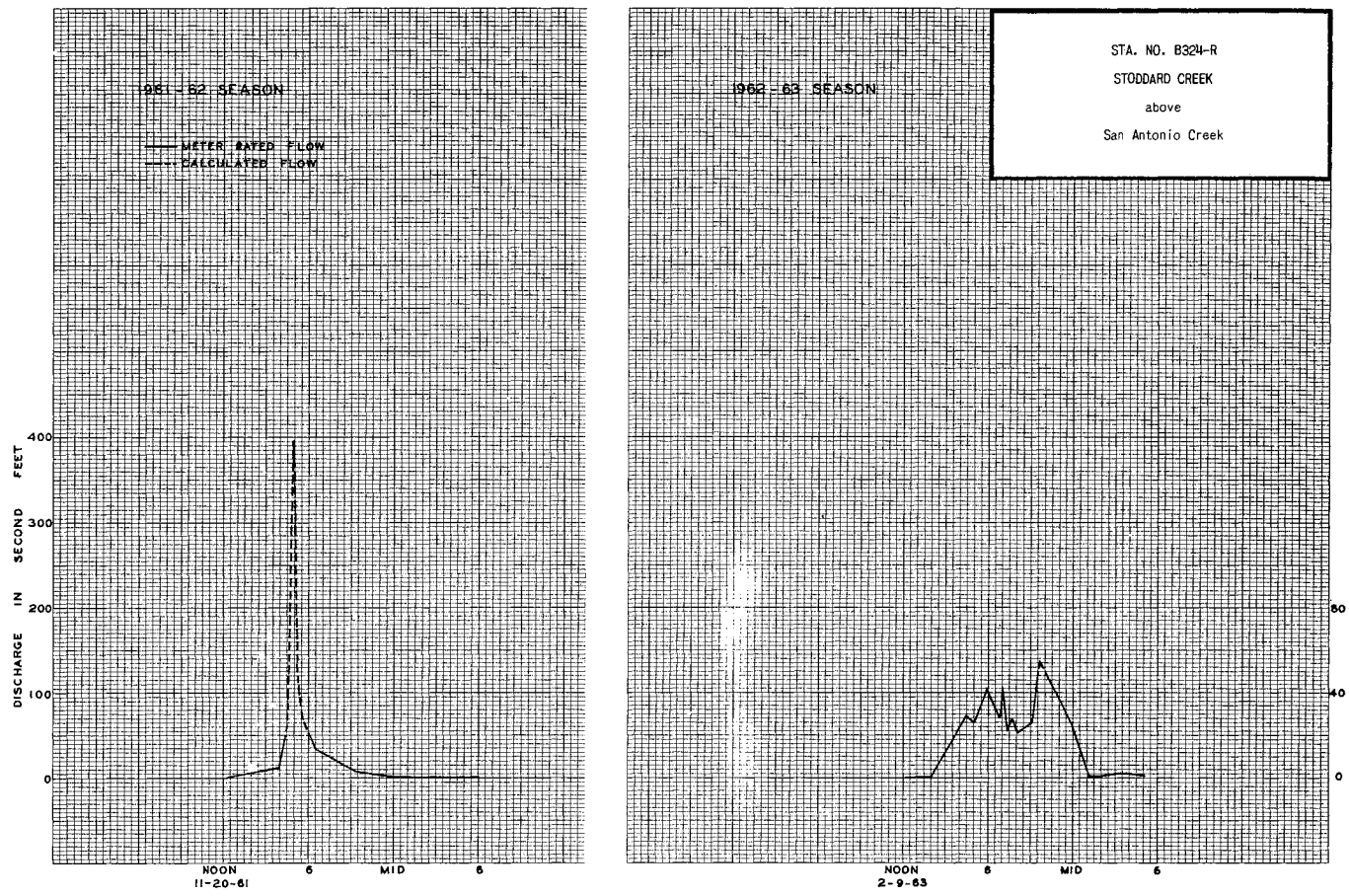
Sta. No. B324-R

Daily discharge, in second-feet of STODDARD CREEK above San Antonio Creek, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	+	0	.1	+	+	0	0	0
2	0	0	0	0	+	+	.1			0	0	0
3	0	0	0	0	0		+			0	0	0
4	0	0	0	0	0					0	0	0
5	0	0	0	0	0				+	0	0	0
6	0	0	0	0	0	+			.1	0	0	0
7	0	0	0	0	0	0			+	0	0	0
8	0	0	0	0	0	+			0	0	0	0
9	0	0	0	e .1	12				+	0	0	0
10	0	0	0	e .1	1.4				.1	0	0	0
11	0	0	0	0	.5				+	0	0	0
12	0	0	0	+	.3				+	0	0	0
13	0	0	0	+	.3		+		+	0	0	0
14	0	0	0	+	.4		.1		0	0	0	0
15	0	0	0	0	.1	+	.1	+	0	0	0	0
16	0	0	0	0	.1	.3	+	0	0	0	0	0
17	0	0	0	0	+	.6	.1	0	0	0	0	+
18	0	0	0	0		+	+	0	0	0	0	.3
19	0	0	0	0			+	0	0	0	0	.6
20	0	0	0	+			.7	0	0	0	0	0
21	0	0	0	0			.5	0	0	0	0	0
22	0	0	0	0		+	+	0	0	0	0	0
23	0	0	0	0		.1	+	0	0	0	0	0
24	0	0	+	0		.1	+	0	0	0	0	0
25	0	0		0		+	0	0	0	0	0	0
26	0	0		0		+	.5	0	0	0	0	0
27	0	0	+	0		+	+	0	0	0	0	0
28	0	0	0	0	+	.4		0	0	0	0	0
29	0	+	0	0		.2		0	0	0	0	0
30	0	0	0	0		.1	+	0	0	0	0	0
31	0		0	e .1		.1				0	0	
	0	+	+	0.3	15.1	1.9	2.5	+	0.2	0	0	0.9
MEAN	0	+	+	0.01	0.54	0.06	0.08	+	0.01	0	0	0.03
ACRE-FEET	0	+	+	0.6	30.	3.8	5.0	+	0.4	0	0	1.8

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 42.



STATION F43-R
SYCAMORE CANYON CHANNEL above Solway Street

LOCATION: LAT. 34°09'24", LONG. 118°13'17", ON THE RIGHT (NORTH) SIDE OF CONCRETE DRAIN, APPROXIMATELY 80-FEET ABOVE SOLWAY STREET AND ABOUT THREE MILES NORTHEAST OF GLENDALE. ELEVATION OF GAGE ABOUT 700 FEET. DATUM LOWERED 1.00 FEET AUGUST 22, 1962.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 8 FEET WIDE AND 8 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FROM JANUARY 30, 1928 TO APRIL 6, 1932 AND FROM OCTOBER 1, 1935 TO SEPTEMBER 30, 1940. NOT PUBLISHED FROM OCTOBER 1, 1936 TO SEPTEMBER 30, 1938, BUT RECORDS ARE AVAILABLE AT OFFICE OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, HYDRAULIC DIVISION. RECORDS PUBLISHED FROM OCTOBER 1, 1938 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 326 SECOND-FEET FEBRUARY 12.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 207 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1928-63
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 568 SECOND-FEET, JANUARY 16, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.3	+	+	0.4	0.06	0.05				
2			6.2			0.4	0.06	+				
3			0.6			0.4	0.05	+				
4			+			0.3	0.05	0.05				
5						0.3	0.05	0.05				
6					+	1.7	0.05					
7					0.6	0.4	0.05	+				
8					10.0	0.2	0.05					
9					9.0	0.4	0.05					
10					2.9	0.2	0.05					
11				+	6.7	0.2	0.05					
12				0.2	3.6	0.2	0.05					
13			+	+	6.3	0.2	0.05					
14			0.1		2.4	0.2	0.05	+				
15			+		1.8.6	0.2	0.05	0.05				
16					10.4	0.3	0.05	0.6				
17					2.2	0.3	0.05	0.06				
18					1.2	1.1	0.05	+				
19		+		+	1.9.3	1.2	0.05					
20		2.6		8.8	5.7	0.9	0.05					
21		+		1.1	3.7	0.3	0.05					
22		+		5.5	2.4	0.4	0.05					
23				0.5	1.6	0.2	0.05					
24		+		+	1.6	0.1	0.05					
25		1.6		+	1.0	0.1	0.05					
26		d 0.1		+	0.6	0.1	0.06					+
27		+		0.1	0.5	0.1	0.06					+
28				+	0.4	0.1	0.06					+
29		+		+	+	0.1	0.06					+
30		0.2		+		0.1	0.05					+
31	+		+	+		0.2						
	+	45	7.2	16.2	2295	11.3	1.56	1.06	E +	E +	E +	E +
MEAN	+	0.13	0.23	0.52	8.20	0.36	.05	.03	E +	E +	E +	E +
ACRE-FEET	+	8.9	14.	32.	455.	22.	3.1	2.1	E +	E +	E +	E +

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.74
ACRE-FEET 537.

74D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F43-R

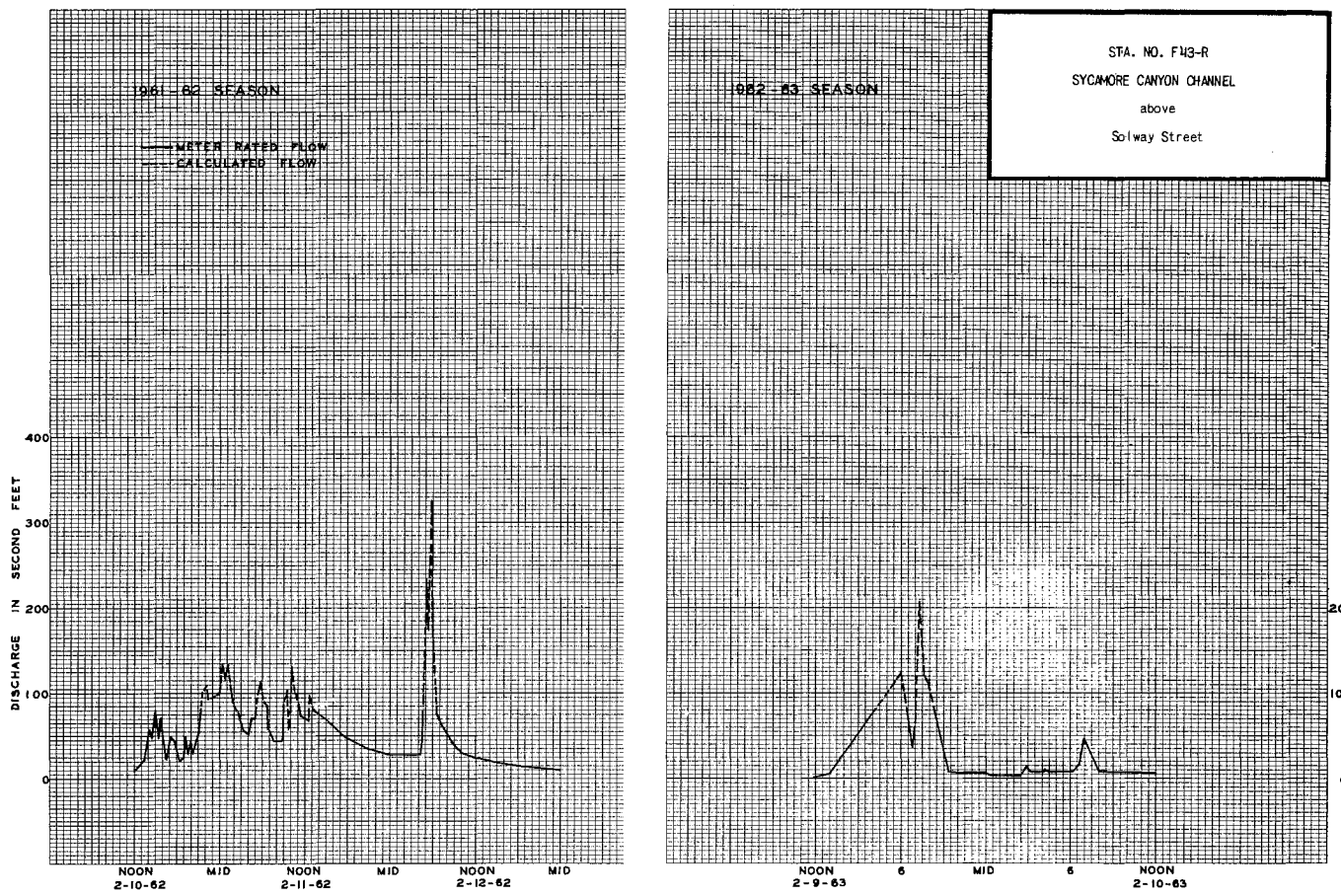
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	+	.1	e .1	+	+				
2					+	e .1	+					
3						+	e .1					
4							+					.3
5												+
6						+						
7						e .1	+					
8		+			+	e .1	e .1					
9		e .1	+		26	+	+					
10		.1	e .1		5.1							
11		.1	e .1		+							
12		.1	+		.1							
13		.1			.1	+	+					
14		.1			3.7	e .1	1.5					
15		e .1			e .1	.2	e .1					
16		+			+	5.7	+					+
17		+				.6						.7
18		e .1				e .1						1
19		.1				e .1	+					.1
20		.1				e .1	.2					+
21		.1				+	.2					
22		.1				e .1	+					
23		e .1				.7	+					
24		+			+	+	+					
25					e .1	+	e .2					
26					.1	+	1.8					
27					.1	e .1	+					
28					e .1	1.5		+				
29						+						
30		+		+		+	+					+
31	+		+	.5		+						
		1.3	0.2	0.5	35.6	10.7	4.2	E +				2.1
MEAN	+	0.04	0.01	0.02	1.27	0.35	0.14	E +				0.07
ACRE-FEET	+	2.6	0.4	1.0	71.	21.	8.3	E +				4.2

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.15
ACRE-FEET 108.



STATION F44B-R
SYCAMORE CANYON CHANNEL at Adams Square

LOCATION: LAT. 34°08'02", LONG. 118°14'30", ON THE RIGHT (NORTH) SIDE OF THE DRAIN ABOUT 130 FEET DOWNSTREAM FROM THE WEST CURB OF ADAMS STREET. ABANDONED STATION F44-R WAS 100 FEET UPSTREAM FROM PRESENT STATION. DISCONTINUED APRIL 4, 1963.

DRAINAGE AREA: 1.77 SQUARE MILES. (EXCLUDES AREA ABOVE SYCAMORE-SCHOLL DIVERSION CHANNEL. SEE "REMARKS")

CHANNEL AND CONTROL: CHANNEL - CLOSED RECTANGULAR CONCRETE DRAIN 9 FEET WIDE AND 10 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO APRIL 4, 1963. (DISCONTINUED)

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO APRIL 4, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 401 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 223 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1927-63
MAXIMUM 2700 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

REMARKS: WHEN SCHOLL CHANNEL IS FULL (250± CFS), EXCESS WILL FLOW DOWN CHEVY CHASE DRIVE INSTEAD OF THROUGH SYCAMORE-SCHOLL DIVERSION. THEREFORE, DRAINAGE AREA NOT DETERMINED AT THESE TIMES. FORMERLY 6.2 SQUARE MILES FROM 1927 TO DECEMBER 8, 1959.

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

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F44B-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	+	1.9	0	+	0.1	0.1	+	+			
2	0.1		18.2	+	+	0.1	0.1	+	0			
3	+		2.9	+	0	0.1	0.1	+	+			
4			+	0.1	0	0.1	0.1	0.1				
5				0.1	0.1	0	0.1	+				
6				+	0.1	4.4	0.1					
7				0	4.2	0.2	0.1					
8				+	21	0.1	0.1					
9					14.0	2.0	0.2	+				
10					4.2	0.1	0.2	0.1				
11				+	29	0.1	0.2	0.1				
12				2.0	21	0.1	0.2	+				
13			+	0.1	0.5	0.1	+					
14			0.2	0.1	0.2	0.1						
15		+	+	0.1	15.8	0.1						
16		0.1		0.1	6.1	0.1	+					
17		+		0.1	0.4	0.1	0.1	+				
18		+		0.1	0.3	4.5	0.1	0.1				
19		+		0.1	20	0.9	0.1	+				
20		12.6	+	23	2.6	2.5	0.1					
21		0.1	0	5.1	0.8	0.4	+					
22		+	+	13.2	0.1	1.4						
23	+	+	0	+	0.1	0.1						
24	0.1	+	0		0.7	+						
25	+	8.8	0		0.1							
26	0.1	1.3	0		0.1							
27	0.1	+	0		0.1							0.1
28	+	+	0.1		0.1							0.1
29		+	0.1		+			+				+
30		2.3	0				+	0				+
31	+		0	+		+		+				
	0.5	25.2	23.4	44.2	179.4	17.7	2.0	0.4	+	E +	E +	0.2
MEAN	0.02	0.84	.75	1.43	6.41	0.57	0.07	0.01	+	E +	E +	+
ACRE-FEET	1.0	50.	46.	88.	356.	35.	4.0	0.8	+	E +	E +	0.4

RECORDER STOPPED FOR SUMMER

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.80
ACRE-FEET 581.

76D74M C&b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F44B-R

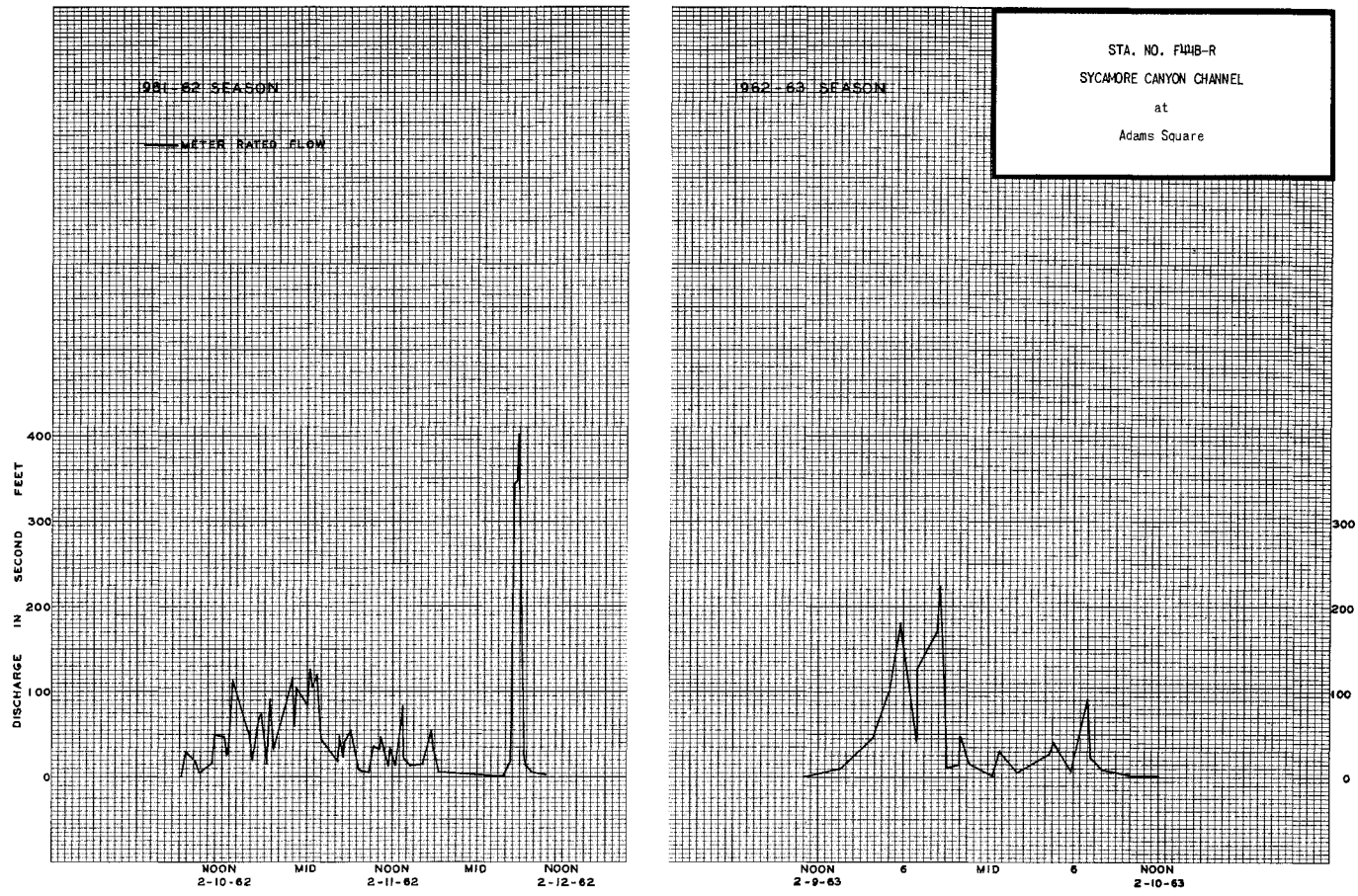
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e .1	+	+	+	a 1.0	+	+					
2	.1		e .2	+			+					
3	.1		+	e .1			+					
4	.1			.5								
5	e .1			.1								
6	+			.1								
7	+			.4								
8	e .1			.2	+							
9	.1			.2	a 32							
10	.1			.4	a 8.7							
11	e .1			e .1	a .1							
12	+			+	e .1							
13	+				a .1							
14	e 0.3				a 20	+						
15	.1				+	e .1						
16	.1					16.5						
17	.1					1.4						
18	.1					+						
19	e .1		+									
20	+		e .1									
21	+		+			+						
22	e .1					.4						
23	.1			+		1.7						
24	.1					+						
25	e .1		+	e .1								
26	+		+	+								
27			e .1			+						
28			+			4.9						
29						+						
30		+		+	+	+						
31	+		+	2.6		+						
	2.1	+	.4	4.8	62.0	25.0	E +					
MEAN	0.07	+	0.01	0.15	2.21	0.81	E +					
ACRE-FEET	4.2	+	0.8	9.5	123.	50.	E +					

RECORDER REMOVED APRIL 4, 1963

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN INC.
ACRE-FEET INC.



STATION F276-R

THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam

LOCATION: LAT. 34°08'22", LONG. 117°42'37", ON THE RIGHT (WEST) SIDE AND AT THE DOWNSTREAM END OF THE 3-FOOT X 3-FOOT DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3-FOOT X 3-FOOT CONCRETE-COVERED OUTLET WITH A TRANSITION INTO A 4-FOOT DIAMETER SEMI-CIRCULAR FLUME.
CONTROL - TRANSITION INTO SEMI-CIRCULAR FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO AUGUST 13, 1962 AND JANUARY 4, 1963 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3-FOOT X 3-FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENING IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR.

RECORDS AVAILABLE: JANUARY 14, 1941 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 6.3 SECOND-FEET FEBRUARY 20.
MINIMUM NO FLOW MOST OF YEAR.
1962-63
MAXIMUM 0.1 SECOND-FOOT FEBRUARY 9.
MINIMUM NO FLOW MOST OF YEAR.
1940-63
MAXIMUM 21 SECOND-FEET FEBRUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

REMARKS: PRIOR TO AUGUST 1953, THE WATER-STAGE RECORDER WAS LOCATED ON THE LEFT (EAST) SIDE OF THE DOWNSTREAM END OF THE DIVERSION OUTLET.

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

76D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F276-R

Daily discharge, in second-feet of THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam, for the year ending September 30, 19 62

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	0.6	0	0	0	0	0	0	0
13	0	0	0	0	1.0	0	0	0	0	0	0	0
14	0	0	0	0	0.5	0	0	0	0	0	0	0
15	0	0	0	0	0.4	0	0	0	0	0	0	0
16	0	0	0	0	0.7	0	0	+	0	0	0	0
17	0	0	0	0	0.1	0	0	0	0	0	0	0
18	0	0	0	0	+	0	0	0	0	0	0	0
19	0	0	0	0	+	0	0	0	0	0	0	0
20	0	0	0	0	2.3	0	0	0	0	0	0	0
21	0	0	0	0	3.6	0	0	0	0	0	0	0
22	0	0	0	0	2.1	0	0	0	0	0	0	0
23	0	0	0	0	1.2	0	0	0	0	0	0	0
24	0	0	0	0	0.9	0	0	0	0	0	0	0
25	0	0	0	0	e 0.2	0	0	0	0	0	0	0
26	0	0	0	0	+	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
	0	0	0	0	13.6	0	0	0	0	0	0	0
MEAN	0	0	0	0	0.49	0	0	+	0	0	0	0
ACRE-FEET	0	0	0	0	27.	0	0	+	0	0	0	0

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 0.04
ACRE-FEET 27.

STATION F32B-R
THOMPSON CREEK below Thompson Creek Dam

LOCATION: LAT. 34°08'22", LONG. 117°42'32", ON THE RIGHT (NORTH) BANK ABOUT 300 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1579.94 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: A WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION AND/OR DIVERSION: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3-FOOT X 3-FOOT OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE DIVERSION TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENINGS IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR. FLOW THROUGH THE 24-INCH OUTLET VALVE PASSES THE STATION. DISCHARGES OVER THE SPILLWAY OF THE DAM WOULD NOT BE RECORDED AT THIS LOCATION.

RECORDS AVAILABLE: RECORDER RECORDS DECEMBER 21, 1943 TO SEPTEMBER 30, 1963 FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S, FROM MARCH 1928, SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:
1961-62
NO FLOW ENTIRE SEASON.
1962-63
NO FLOW ENTIRE SEASON.
1944-61
MAXIMUM 8.6 SECOND-FEET APRIL 5, 1958.
MINIMUM NO FLOW.

ACCURACY: GOOD.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

STATION F54B-R
TOPANGA CREEK above Mouth of Canyon

LOCATION: LAT. 34°03'52", LONG. 118°25'12", ON THE RIGHT (WEST) DOWNSTREAM ABUTMENT OF THE CONCRETE BRIDGE TWO MILES NORTH OF TOPANGA BEACH AND ABOUT SIX MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 265.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

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

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1963.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2790 SECOND-FEET FEBRUARY 10.
MINIMUM PLUS FLOW VARIOUS TIMES.
1962-63
MAXIMUM 569 SECOND-FEET FEBRUARY 9.
MINIMUM PLUS FLOW AT VARIOUS TIMES.
1930-63
MAXIMUM 9300 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.

76DT4M GSb 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.04	0.02	0.1	0.1	0.1	10	2.2	0.8	0.3	0.2	0.1	0.07
2	0.02	0.04	73	0.1	0.1	9.1	2.3	0.7	0.3	0.2	0.1	0.07
3	0.02	0.04	6.0	0.1	0.1	8.2	2.2	0.7	0.3	0.2	0.1	0.1
4	0.02	0.04	1.1	0.1	0.07	7.4	2.1	0.7	0.2	0.2	0.1	0.1
5	0.02	0.04	0.6	0.1	0.07	7.1	2.1	0.7	0.2	0.2	0.1	0.1
6	0.02	0.02	0.2	0.1	0.07	21	a 2.1	0.6	0.2	0.1	0.1	0.07
7	0.04	0.02	0.1	0.1	1.6	8.2	1.9	0.6	0.3	0.1	0.1	0.07
8	0.04	0.02 b	0.1	0.1	238	7.1	1.6	0.6	0.3	0.1	0.1	0.1
9	0.05	0.02	0.1	0.1	275	6.8	1.5	0.6	0.3	0.1	0.1	0.1
10	0.05	0.04	0.1	0.1	1150	6.5	1.4	0.6	0.2	0.1	0.1	0.1
11	0.05	0.05	0.1	0.1	572	5.9	a 1.3	0.6	0.2	0.1	0.1	0.1
12	0.05	0.05	0.1	0.1	219	5.6	1.3	0.6	0.2	0.1	0.1	b 0.07
13	0.04	0.04 b	0.1	0.2	73	5.0	1.3	0.6	0.2	0.1	0.1	0.07
14	0.02	0.02 f	0.1	0.1	32	4.4	1.1	0.7	0.2	0.1	0.1	0.1
15	0.02	0.04	0.07	0.1	128	4.4	1.1	0.8	0.2	0.1	0.1	0.1
16	0.02	0.05	0.07	0.1	75	4.4	1.3	0.8	0.2	0.1	0.1	0.1
17	0.02	0.05	0.07	0.1	38	4.0	1.3	0.8	0.2	0.1	0.1	0.07
18	0.04	0.05	0.07	0.1	26	4.2	1.1	0.6	0.2	0.1	0.1	0.07
19	0.05	0.05	0.07	0.1	361	4.2	1.1	0.6	0.3	0.1	0.1	0.07
20	0.05	3.1	0.07	28	65	3.8	1.0	0.6	0.3	0.07	0.1	0.07
21	0.05	0.4	0.07	2.2	40	3.8	0.9	0.6	0.2	0.07	0.1	0.07
22	0.05	0.05	0.07	16	29	3.8	0.9	0.5	0.2	0.07	0.1	0.07
23	0.05	0.05	0.07	4.5	24	3.0	0.8	0.5	0.2	0.1	0.07	0.07
24	0.05	0.05	0.07	1.4	21	2.5	0.6	0.5	0.2	0.1	0.07	0.05
25	0.05	85	0.07	0.7	17	2.3	0.6	0.5	0.2	0.1	0.07	0.05
26	0.05	0.7	0.07	0.4	15	2.3	0.6	0.5	0.2	0.1	0.07	0.07
27	0.05	0.2	0.07	0.2	13	2.3	0.6	0.4	0.2	0.1	0.07	0.07
28	0.05	0.07	0.07	0.2	11	2.3	0.9	0.4	0.2	0.1	0.07	0.07
29	0.04	0.05	0.07	0.1		2.3	0.9	0.3	0.2	0.1	0.07	0.07
30	0.04	0.5	0.07	0.1		2.3	0.8	0.4	0.2	0.1	0.07	0.07
31	0.02		0.07	0.1		2.2		0.3		0.1	0.07	
	118	90.87	82.99	55.9	3424.11	166.4	39.9	18.2	6.8	3.51	2.83	2.36
MEAN	0.04	3.03	2.68	1.80	122.9	5.37	1.33	0.59	0.23	.11	0.09	0.08
ACRE-FEET	2.3	180.	165.	111.	6790.	330.	79.	36.	13.	6.9	5.6	4.7

Remarks:

YEAR OR PERIOD MEAN 10.7
ACRE-FEET 7720.

160T4M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

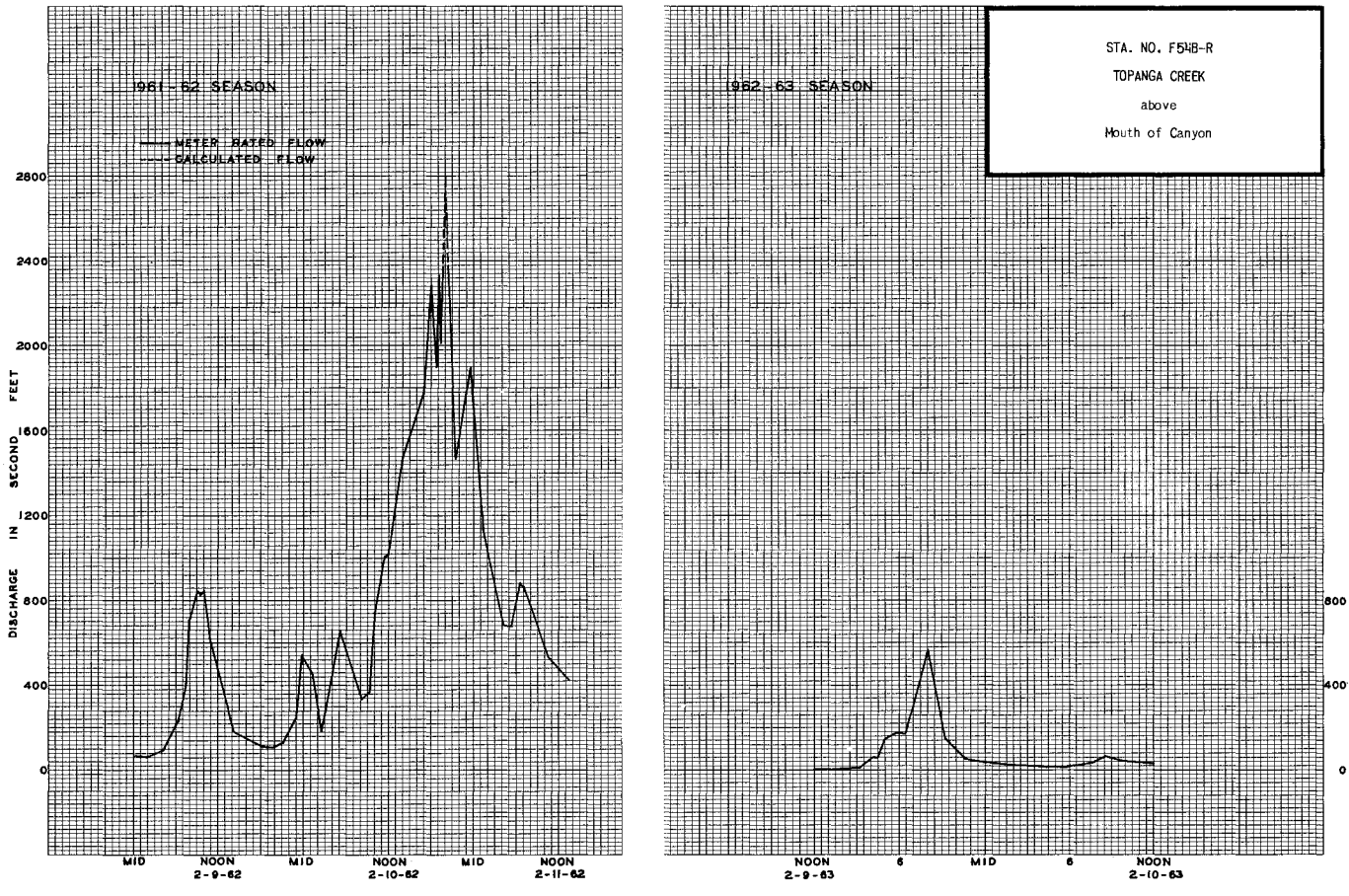
Sta. No. F54B-R

Daily discharge, in second-feet of TOPANGA CREEK above Mouth of Canyon, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.07	.07	.07	.07	.6	.1	.4	b .4	.2	.1	.07	.04
2	.07	.07	.07	.07	.2	.1	b .4	.4	.2	.1	.07	.04
3	.07	.1	.05	.07	.2	.1	b .3	.4	.2	.1	.07	.04
4	.07	.1	.05	.07	.2	.1	.3	.4	.2	.1	.07	.1
5	.07	.1	.05	.07	.1	.1	.3	.3	.1	.1	.05	.07
6	.07	.1	.05	.07	.1	.1	.2	.3	.1	.07	.05	.07
7	.07	.1	.05	.07	.1	.1	.2	.3	.1	.07	.05	.07
8	.07	.1	.07	.07	.1	.1	.3	.3	.1	.07	.07	.05
9	.07	.1	.1	.1	66	.1	.3	.4	.1	.07	.05	.05
10	.07	.1	.1	.1	23	.2	.2	.3	.1	.07	.05	.04
11	.07	.1	.1	.1	2.7	.2	.2	.4	.3	.07	.05	.04
12	.07	.1	.1	.1	.7	.2	.2	.3	.3	.07	.05	.04
13	.07	.1	.1	.1	.6	.1	.2	.3	.2	.07	.05	.05
14	.2	.1	.1	.1	.6	.1	1.4	.3	.2	.07	.05	.05
15	.1	.1	.1	.1	b .4	.2	.6	.2	.1	.1	.05	.04
16	.1	.1	.1	.1	.4	40	.4	.2	.1	.1	.04	.04
17	.1	.1	.1	.2	.3	6.5	.3	.2	.1	.1	.04	.05
18	.1	.07	.1	.2	.3	b 1.3	.2	.2	.1	.1	.04	.07
19	.1	.09	.1	.2	.2	b .8	.2	.3	.1	.1	.04	.7
20	.1	.07	.1	.1	b .2	b .6	.6	.2	.1	.1	.04	.2
21	.1	.07	.1	.07	.2	.3	1.8	.2	.1	.07	.04	.1
22	.07	.07	.1	.07	.2	.3	.4	.2	.1	.07	.04	.1
23	.07	.1	.1	.05	.2	1.0	.2	.2	.1	.07	.04	.07
24	.07	.1	.1	.07	.2	.3	.2	.2	.1	.07	.04	.07
25	.07	.1	.1	.07	.1	.2	.6	.2	.1	.07	.04	.07
26	.07	.1	.1	.07	.2	.2	11	.2	.1	.07	.04	.05
27	.05	.1	.1	.07	.2	.2	b .7	.2	.1	.07	.04	.04
28	.05	.1	.1	.07	.1	20	.6	.2	.1	.07	.04	.04
29	.04	.1	.1	.1		2.0	.5	.2	.1	.07	.04	.02
30	.07	.07	.07	.1		.8	b .4	.2	.1	.07	.04	.04
31	.07		.07	.4		.6		.2		.07	.04	
	2.44	2.74	2.7	3.2	98.4	77.0	23.6	8.0	4.0	2.5	1.49	2.45
MEAN	0.08	0.09	0.09	0.10	3.51	2.48	0.79	0.26	0.13	0.08	0.05	0.08
ACRE-FEET	4.8	5.4	5.4	6.3	195.	153.	47.	16.	7.9	5.0	3.0	4.9

Remarks:

YEAR OR PERIOD MEAN 0.63
ACRE-FEET 454.



STATION F252-R
VERDUGO CHANNEL at Estelle Avenue

LOCATION: LAT. 34°09'23", LONG. 118°16'23", ON THE RIGHT (NORTH) SIDE OF CHANNEL AT ESTELLE AVENUE, 800 FEET EAST OF SAN FERNANDO ROAD AND ABOUT TWO MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 26.8 SQUARE MILES. (AFTER COMPLETION OF SYCAMORE-SCHOLL DIVERSION IN DECEMBER 1959. FORMERLY 22.4 SQUARE MILES).

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 86 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS ONE FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM HIGHWAY BRIDGE UPSTREAM 850 FEET.

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1961 TO SEPTEMBER 30, 1963.

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, 1963. FOR EARLIER RECORDS SEE STATION F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 1880 SECOND-FEET FEBRUARY 12.
MINIMUM NO FLOW AT VARIOUS TIMES.
1962-63
MAXIMUM 2180 SECOND-FEET FEBRUARY 9.
MINIMUM NO FLOW AT VARIOUS TIMES.
1935-63
MAXIMUM 4400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

76D743M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO WASH at Estelle Street, for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	4.3	+	e 0.1	0.7	0.2	0.1	e 0.2	+	e 0.1	+
2	+	133	0.1	+	+	0.7	0.2	0.1	0.1	+	0.1	+
3		4.2		+	+	0.7	0.2	e 0.1	0.1	e 0.1	0.1	+
4		0.1			+	0.5	0.2	0.1	0.1	+	0.1	e 0.1
5		0.1			e 0.1	0.5	0.2	0.1	0.1	e 0.1	0.1	0.1
6		0.1			+	22	0.1	0.1	e 0.2	0.1	0.1	0.1
7		0.1			7.9	1.0	0.1	0.1	0.7	0.1	0.1	0.1
8		0.1		+	152	1.0	0.1	0.1	1.8	0.1	0.1	e 0.1
9			+	e 0.1	153	4.9	0.1	0.1	0.2	0.1	0.1	+
10					431	0.8	0.5	0.1	e 0.1	e 0.1	e 0.1	e 0.1
11				+	592	0.5	1.2	0.1	0.1	0.1		0.1
12		+		2.0	167	1.0	0.2	0.1	0.1	e 0.1	e 0.1	0.1
13		0	+	0.1	9.5	0.8	0.1	e 0.1	0.2	e 0.1	e 0.1	0.1
14		+	4.3	0	1.0	1.0	0.1	1.4	0.1	+	+	e 0.1
15		+	0.1	+	112	0.8	0.1	e 0.1	0.1	e 0.1	e 0.1	+
16	+	+	+		22	1.0	0.1	5.6	0.1	e 0.1	+	
17	e 0.1	0.3			1.2	1.0	0.1	b 0.2	0.1	e 0.1	+	
18	+	+			1.2	11.4	0.1	e 0.1	0.1	+	+	
19		+		+	142	2.0	0.1	0.1	0.1	e 0.1	e 0.1	
20		67		183	9.8	5.3	0.2	0.1	0.1	0.1	0.1	+
21		+		11.0	4.0	0.7	0.2	0.1	0.1	0.1	0.1	e 0.1
22		0.2		76	1.8	3.6	0.1	0.1	0.1	0.1	0.1	+
23		+		3.5	1.2	0.5	0.1	0.1	0.1	0.1	0.1	e 0.1
24		0		e 0.2	5.1	0.2	0.1	0.1	0.1	0.1	e 0.1	e 0.1
25		25	+	0.1	1.2	0.2	0.2	0.1	0.1	0.1		e 0.1
26		1.8	0.1	0.1	1.2	0.2	0.2	0.1	0.1	0.1	e 0.1	+
27	+	+	+	e 0.1	1.0	0.2	0.2	0.1	0.1	0.1	0.1	e 0.1
28	0	+		+	0.7	0.2	0.1	0.1	0.1	0.1	0.1	e 0.1
29	0	+		e 0.2	+	0.2	0.1	0.1	0.1	0.1	0.1	+
30	+	7.2		e 0.1		0.2	0.1	0.1	e 0.1	0.1	0.1	+
31	+		+	e 0.1		0.2		e 0.1		e 0.1	e 0.5	
	0.1	146.5		1818.0		5.6		5.7		2.9		
		1015		276.7		64.2		10.0		2.6		1.6
MEAN	+	3.38	4.73	8.93	64.9	2.07	0.19	0.32	0.19	0.08	0.09	0.05
ACRE-FEET	0.2	201.	291.	549.	3610.	127.	11.	20.	11.	5.2	5.8	3.2

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 6.67
ACRE-FEET 4830.

74D74M C(b 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

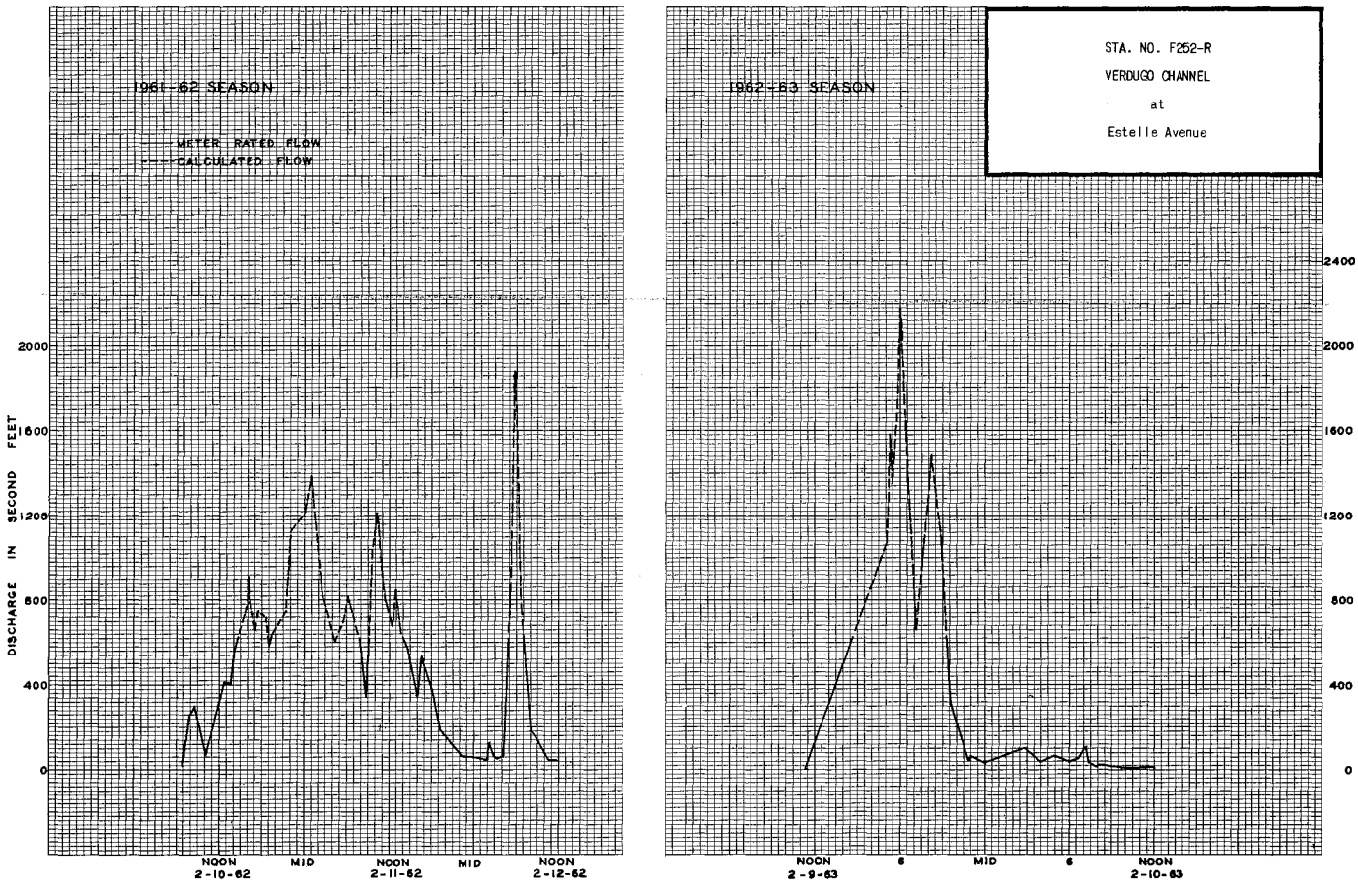
Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO WASH at Estelle Avenue for the year ending September 30, 1963

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e .1	e .1	+	+	1.5	+	3.5	+	e .1	+	e .1	e .1
2	e .1	e .1	+		+		+		e .1		.1	+
3	e .1	e .1	.2				+		e .2		.1	e .1
4	+	+	e .1				e .1		+		.1	11.4
5	e .1	e .1	+				.1				.1	+
6		.1	+				.1				.1	e .1
7	e .1	+	+		+		e .1				.1	e .1
8	.1	.1	e .1		e .1		1.6				.1	+
9	.1	e .2	.1		370		e .1		+	+	.1	e .1
10	.1	+	.2		26		.1		1.9	e .1	.1	.1
11	.1	+	.1		e .1		.1		10.4	.2	.1	.1
12	.1	+	e .1		+		.1		e .1	.1	.1	.2
13	.1	e .2	+		e .1		e .1		+	.1	.1	.1
14	.1	e .1	+		20	+	19.3		+	.1	.1	.1
15	e .1	+	.5		+	.9	.6		+	.1	.1	e .1
16	+		+	+	+	62	+		e .1	.1	.1	+
17				e .1	+	8.3	e .1		+	.1	.1	18
18				+	e .1	.5	e .1			.1	.1	37
19		+			.1	.2	e .1			.1	.1	3.9
20		1.6			.1	e .1	12.4			.1	.1	+
21		1.0	+		e .1	e .1	3.2			.1	.1	
22		+	e .1		+	1.3	+			.1	.1	
23		e .1	e .1	+		12.7	e .1			.1	e .1	
24		.1	+	e .1		+	+	+		.1	+	
25	+	.1	+			e .1	9.1	e .1		.1	e .1	+
26	e .1	.1		.1		e .2	43	+		e .1	+	.5
27	+	.1		.1		e .1	e .1	e .1		+		.7
28	+	e .1		.1	+	25	+	e .1		+		e .1
29	e .1	+		.1		e .1	+	+		+	+	e .1
30	e .1			e .1		e .1	+	e .1	+	e .1	e .1	e .1
31	e .1		+	10.5		e .1		e .2		e .1	e .1	e
	1.7	4.3	1.5	11.4	418.2	111.8	94.1	0.6	12.9	2.0	2.6	73.0
MEAN	0.05	0.14	0.05	0.37	14.9	3.61	3.14	0.02	0.43	0.06	0.08	2.43
ACRE-FEET	3.4	8.5	3.0	23.	829.	222.	187.	1.2	26.	4.0	5.2	145.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 2.01
ACRE-FEET 1460.



STATION F304-R
WALNUT CREEK at Puente Avenue

LOCATION: LAT. 34°03'59", LONG. 117°57'57", ON THE LEFT (SOUTH) DOWNSTREAM WING WALL OF PUENTE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 329.77 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 57.6 SQUARE MILES OF WHICH 32.3 SQUARE MILES ARE CONTROLLED BY PUDDINGSTONE DAM.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 50 FEET WIDE BY 14.5 FEET DEEP. CONTROL - CHANNEL FORMS CONTROL.

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

RECORDER: A CONTINUOUS RECORDER WAS IN SERVICE FROM JANUARY 3, 1962 TO SEPTEMBER 30, 1963.

REGULATION: FLOW PARTIALLY REGULATED BY SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA CANAL IN WALNUT CREEK.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION AND DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO APRIL 11, 1961, AND JANUARY 3, 1962 TO SEPTEMBER 30, 1963. SEE STATION F47-R, WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

EXTREMES OF DISCHARGE:
1961-62
MAXIMUM 2090 SECOND-FEET FEBRUARY 11.
MINIMUM NOT DETERMINED.
1962-63
MAXIMUM 1410 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.
1952-63
MAXIMUM 3450 SECOND-FEET JANUARY 26, 1956.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

FADFAM Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F304-R

Daily discharge, in second-feet of WALNUT WASH at Puente Avenue, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				+	+	+	+	+	0.1	0.3	0.3	0.3
2				+	0.1	+	+	+	0.1	0.5	0.2	0.3
3				+	+	0.1	0.1	0.1	0.3	0.5	0.3	0.3
4				+	+	0.1	0.1	0.2	0.2	0.8	0.3	0.2
5				0.1	+	0.1	0.1	0.2	0.2	0.5	0.6	0.3
6				0.3	+	3.7	0.2	0.1	0.3	0.8	0.5	0.5
7				0.1	17.5	0.5	0.1	0.1	0.5	0.8	0.3	1.2
8				0.5	36.5	+	+	0.3	0.5	1.2	0.3	1.2
9				1.4	12.0	5.6	+	0.3	0.5	0.8	0.2	0.8
10				1.4	2.5	0.5	0.1	+	0.8	0.8	0.3	1.2
11				1.4	43.1	+	+	+	0.5	0.8	0.2	0.8
12				12.6	4.9		0.2		0.3	0.5	0.3	0.8
13				3.9	1.4		+	+	0.3	0.8	0.3	0.5
14				+	0.5		0.1	10.3	0.3	0.5	0.3	0.3
15					12.3		0.1	1.2	0.3	1.2	0.3	0.3
16					4.2		+	1.6	0.3	0.6	0.8	0.3
17					1.4	+	0.2	0.2	1.2	0.3	0.3	0.2
18		e470			0.6	3.0	+	0.1	1.6	0.3	0.3	0.3
19				+	28.0	0.2	0.1	0.1	2.4	0.6	0.2	0.5
20				16.1	6.4	0.2	+	+	1.8	1.2	0.2	0.3
21				6.3	2.8	+	0.1	+	1.8	0.3	0.2	0.2
22				3.0	3.6	2.8	0.1	0.1	0.5	1.2	0.2	0.2
23				0.5	1.4	0.1	0.1	+	0.3	0.5	0.2	0.2
24				+	5.0	+	0.1		0.3	0.8	0.2	0.2
25		e 38			0.5	0.2	0.1		0.2	0.5	0.2	0.1
26					0.2	+	0.1	+	0.3	0.3	0.2	0.2
27					0.1		0.1	0.1	0.3	0.5	0.2	0.8
28					+		+	0.1	0.5	0.5	0.2	1.8
29							+	0.1	0.3	0.5	0.2	1.4
30							+	0.2	0.2	0.5	0.3	1.4
31				+		+		0.2		0.3	0.3	
		508.0		219.5	1559.5	50.4	2.1	15.8	17.4	20.1	9.1	17.1
MEAN				7.08	55.7	1.63	0.07	0.51	0.58	0.65	0.29	0.51
ACRE-FEET				435.	3090.	100.	4.2	31.	35.	40.	18.	34.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN INC.
ACRE-FEET 4800.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

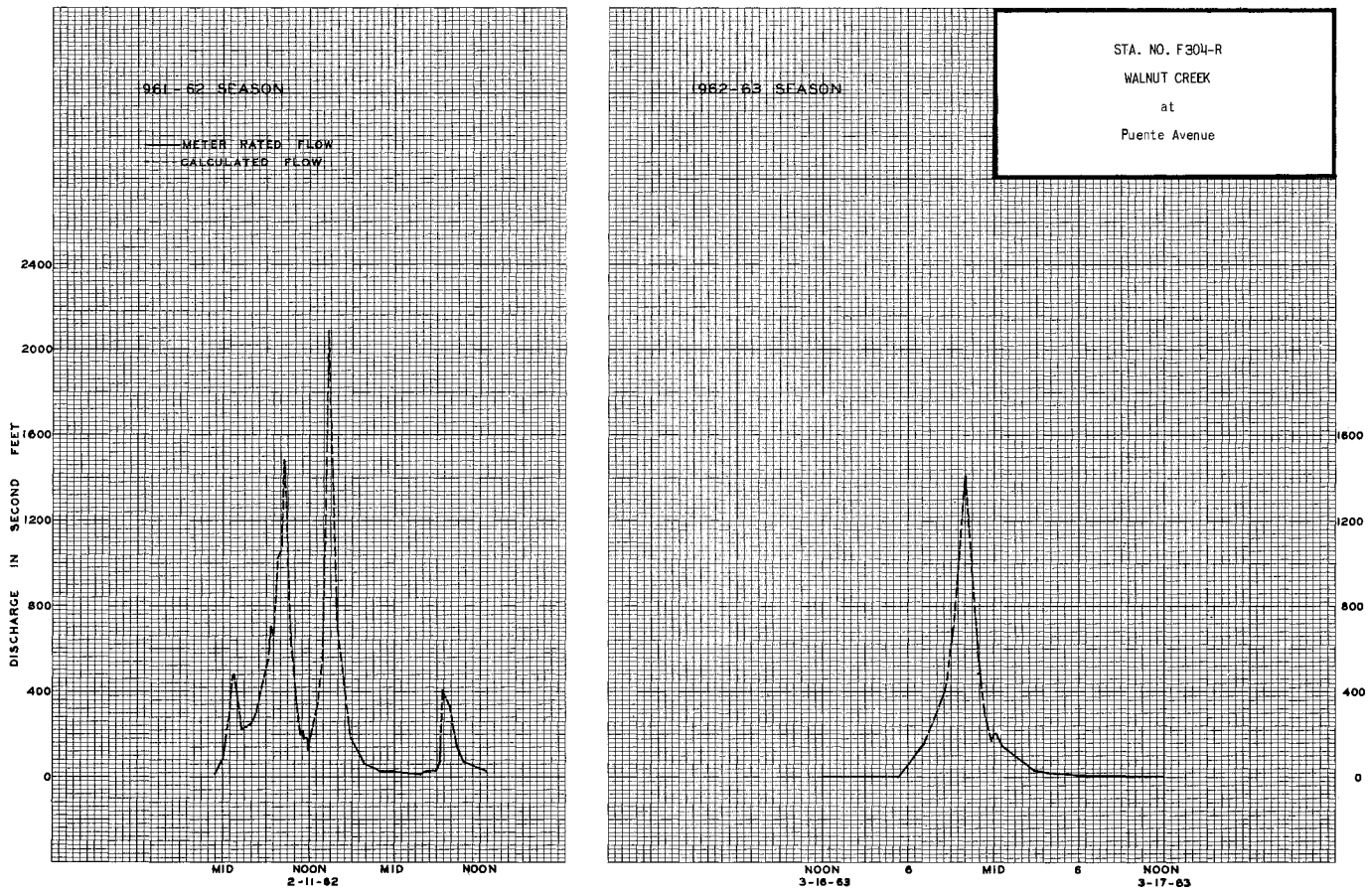
Sta. No. F304-R

Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue, for the year ending September 30, 19 63

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	3.0	23	1.4	7.0	.5	1.8	.8	3.0	.8	.1	.2
2	.5	3.0	23	1.4	1.4	.5	1.8	.8	3.6	.8	.1	.2
3	.5	1.8	23	1.2	1.4	.5	1.8	1.2	4.4	.5	.1	.1
4	.5	2.4	23	1.4	1.2	.5	1.8	1.4	3.6	1.2	.1	31
5	.5	1.4	23	1.4	.8	.5	1.4	1.4	1.4	1.4	.2	.1
6	.5	1.8	23	1.8	.8	.5	1.8	1.4	1.8	1.2	.2	+
7	1.8	2.4	19.4	2.4	.8	.5	1.8	1.2	1.8	.8	3.0	+
8	1.2	1.2	19.4	2.4	.8	.8	3.0	1.4	1.8	.8	.3	.1
9	.5	1.2	19.4	3.6	267	10.3	1.8	1.2	1.8	1.4	.3	.1
10	.5	1.8	3.6	3.6	186	1.8	1.8	1.2	1.8	1.4	.2	+
11	.5	1.8	2.4	3.0	2.4	2.4	2.4	1.2	2.4	.3	.1	|
12	1.8	1.6	2.4	2.4	1.4	1.4	2.4	1.2	2.4	+	.1	|
13	1.8	1.8	2.4	3.0	1.4	3.0	2.4	1.2	2.4	.1	+	+
14	3.6	1.8	2.4	2.4	32	3.0	35	.3	1.2	.1	+	.1
15	1.2	1.4	2.4	2.4	+	3.0	3.0	.2	1.4	.1	.1	+
16	1.4	1.4	1.8	1.8		122	1.8	.2	.3	.2	.1	+
17	.8	1.6	1.4	1.8		27	10.5	2.4	.3	.1	.1	67
18	2.4	1.8	1.4	1.8	+	3.0	1.8	2.4	1.4	.1	.1	74
19	1.2	1.8	1.4	1.4	.1	1.4	1.8	.8	1.8	.1	.1	13.8
20	1.2	1.4	1.4	1.4	.1	1.2	11.9	.5	1.8	.2	.1	1.4
21	.8	1.4	1.4	1.2	.1	1.2	23	.5	1.8	.1	.1	1.2
22	.3	1.8	1.4	1.2	.3	1.2	2.4	.3	.8	.1	.1	.8
23	.2	1.4	1.4	1.2	.5	3.6	1.8	.5	1.4	.1	.2	.5
24	.1	1.8	4.3	1.2	.8	2.4	1.2	.8	.3	.1	.2	.3
25	.1	1.8	1.4	.8	.5	1.8	1.2	.8	.3	.2	.2	.2
26	.5	1.8	1.4	1.4	.5	1.8	60	1.2	.8	.2	.2	.1
27	1.2	.8	1.4	1.4	.8	2.4	1.4	1.2	1.2	.2	.2	.1
28	1.4	4.5	1.4	1.8	.8	32	1.2	1.8	1.2	.2	.2	.5
29	1.4	19.4	1.4	1.8		1.4	1.2	2.4	1.2	.1	.2	1.2
30	1.0	23	1.4	1.8		1.4	.6	3.6	.8	.1	.2	1.2
31	1.3		1.4	39		1.4		4.4		.1	.3	
	31.5	94.5	237.5	94.8	508.9	234.7	186	39.9	50.2	13.1	7.6	194.2
MEAN	1.02	3.15	7.66	3.06	18.2	7.57	6.20	1.29	1.67	0.04	0.25	6.47
ACRE-FEET	62.	187.	471.	188.	1010.	466.	369.	79.	100.	26.	15.	386.

Remarks: + = 0.05 CFS OR LESS

YEAR OR PERIOD MEAN 4.64
ACRE-FEET 3360.



DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT NEAR: Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
657	10/5	1300 / 1305	BOWMAN	3.5	0.67	0.97		0.65		.5	7		FC64
658	10/18	1355 / 1402	"	5.0	0.48	0.88		0.42		.5	7		FC48
659	11/1	14kk / 1425	"	6.0	0.66	1.06		0.70		.5	8		"
660	11/8	0845 / 0855	WALTER	3.5	0.62	1.21		0.75		.5	8		FC28
661	11/16	1330 / 1338	BOWMAN	4.0	0.56	1.46		0.82		.5	7		"
662	11/22	1445 / 1455	"	8.0	1.42	1.13		1.6		.5	9		FC48
663	12/7	1545 / 1555	"	8.0	1.12	1.25		1.4		.5	9		"
664	12/14	1355 / 1413	WALTER	10.5	2.78	3.84		10.7		.5	10		FC28
665	12/21	1510 / 1518	BOWMAN	8.0	1.03	1.26		1.3		.5	9		FC48
666	12/28	1335 / 1343	"	8.0	1.10	1.27		1.4		.5	6		"
667	1/4	1435 / 1445	"	8.0	1.61	0.87		1.4		.5	9		"
668	1/11	1335 / 1345	"	6.5	1.09	1.01		1.1		.5	5		"
669	1/18	1428 / 1436	"	7.0	0.98	1.22		1.2		.5	6		"
670	1/25	1330 / 1338	"	8.0	1.46	1.37		2.0		.5	9		"
671	2/1	1420 / 1430	"	7.0	0.95	1.47		1.4		.5	8		"
672	2/23	1453 / 1502	"	19.0	8.25	6.55		54.0		.5 .6	11		FC64
673	3/1	1332 / 1343	"	9.5	3.07	5.50		16.9		.5 .6	10		"
674	3/8	1525 / 1532	"	8.0	1.54	4.22		6.5		.5	5		"
675	3/15	1505 / 1512	"	10.0	2.40	1.96		4.7		.5	6		"
676	3/22	1123 / 1130	"	10.0	2.60	1.88		4.9		.5	7		"
677	3/29	1235 / 1242	"	10.0	2.50	1.96		4.9		.5	6		"
678	4/5	1430 / 1437	"	10.0	2.36	1.57		3.7		.5	7		"
679	4/12	0947 / 0955	"	9.0	2.00	2.05		4.1		.5	7		FC48
680	4/19	1455 / 1505	"	9.0	1.68	1.78		3.0		.5	6		FC64
681	4/26	1315 / 1325	MAYFIELD-BOWMAN	10.0	2.46	1.46		3.6		.5	6		"
682	5/3	1530 / 1540	BOWMAN	10.0	2.74	1.20		3.3		.5	6		"
683	5/10	1330 / 1338	"	12.0	3.36	0.80		2.7		.5	7		FC48
684	5/17	1611 / 1620	"	9.5	1.79	1.62		2.9		.5	6		FC64
685	5/24	1440 / 1444	"	8.5	1.72	1.63		2.8		.5	7		"
686	5/31	1442 / 1452	"	6.0	1.36	1.54		2.1		.5	7		FC48
687	6/7	1555 / 1605	"	7.0	2.21	1.18		2.6		.5	8		"
688	6/14	1438 / 1446	"	7.0	1.51	1.19		1.8		.5	8		FC12
689	6/21	0852 / 0904	PETERSEN-BOWMAN	7.0	1.22	1.72		2.1		.5	8		FC48
690	6/28	0850 / 0905	" "	10.0	2.17	0.83		1.8		.5	11		"
691	7/5	0830 / 0845	PETERSEN	10.0	2.46	0.45		1.1		.5	11		
692	7/12	1530 / 1536	BOWMAN	7.0	1.03	1.36		1.4		.5	8		"
693	7/19	1605 / 1615	"	8.0	1.40	1.00		1.4		.5	9		"
694	7/26	1600 / 1608	"	9.3	1.61	0.68		1.1		.5	6		"
695	8/2	1500 / 1510	"	9.0	1.42	0.77		1.1		.5	6		"
696	8/9	1440 / 1450	"	9.0	1.38	1.01		1.4		.5	6		"
697	8/16	1542 / 1550	"	7.0	0.77	1.82		1.4		.5	6		"
698	8/23	1510 / 1520	"	5.0	0.84	1.19		1.0		.5	6		"
699	8/30	1340 / 1345	"	5.0	0.63	1.74		1.1		.5	7		"
700	9/6	1415 / 1425	"	4.2	0.72	1.66		1.2		.5	7		"
701	9/13	1410 / 1417	"	5.6	0.99	1.41		1.4		.5	7		"
702	9/20	0830 / 0837	"	8.0	1.19	1.01		1.2		.5	9		"
703	9/27	1248 / 1255	"	13.0	1.99	2.04		6.1		.5	8		"

DISCHARGE MEASUREMENTS OF ARROYO SECO F58-S

AT NEAR: Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
704	10/4	1410 / 1417	BOWMAN	9.0	2.14	1.12		2.4		.5	6		FC48
705	10/11	1610 / 1617	"	7.5	1.36	1.03		1.4		.5	6	0	"
706	10/18	1412 / 1417	"	7.0	1.07	1.31		1.4		.5	6	0	"
707	10/25	1440 / 1446	"	8.0	1.29	1.32		1.7		.5	6		"
708	11/1	1315 / 1322	"	8.0	0.97	1.24		1.2		.5	6		"
709	11/8	1445 / 1452	"	7.0	0.96	1.25		1.2		.5	6		"
710	11/15	1430 / 1437	"	8.0	1.24	0.97		1.2		.5	5	0	"
711	11/20	1425 / 1430	"	8.0	1.26	1.11		1.4		.5	5		"
712	11/29	1525 / 1532	"	8.0	1.30	0.77		1.0		.5	5		"
713	12/6	1510 / 1516	"	8.0	1.12	1.61		1.8		.5	5		"
714	12/13	1420 / 1427	"	4.3	0.96	1.15		1.1		.5	6		"
715	12/20	1525 / 1535	"	4.0	1.12	1.25		1.4		.5	5	0	"
716	12/27	1300 / 1308	"	4.5	1.04	1.54		1.6		.5	6		"
717	1/3	1410 / 1420	"	6.5	1.24	0.89		1.1		.5	8		"
718	1/10	1420 / 1427	"	6.0	0.94	1.00		0.94		.5	7		"
719	1/17	1440 / 1445	"	3.6	0.72	1.19		0.86		.5	5		"
720	1/24	1515 / 1521	"	3.6	0.85	1.65		1.4		.5	5		"
721	2/7	1428 / 1434	"	8.0	1.04	1.15		1.2		.5	5		"
722	2/21	1430 / 1436	"	8.0	1.56	1.54		2.4		.5	5		"
723	2/28	1255 / 1305	"	8.0	1.28	1.64		2.1		.5	5		"
724	3/7	0937 / 0942	"	9.0	1.84	1.36		2.5		.5	6		"
725	3/14	0925 / 0929	"	8.0	1.26	1.43		1.8		.5	5		"
726	3/21	0926 / 0930	"	8.0	1.18	1.61		1.9		.5	5		"
727	3/28	1520 / 1524	BOWMAN-JOHNSON	9.0	1.98	1.77		3.5		.5	6		FC64
728	4/4	0917 / 0923	BOWMAN	8.0	1.38	1.60		2.2		.5	5		FC48
729	4/11	0918 / 0922	"	8.0	1.28	1.56		2.0		.5	5		"
730	4/18	0930 / 0935	"	10.0	1.70	1.24		2.1		.5	6		"
731	4/25	0948 / 0955	"	8.0	1.44	1.25		1.8		.5	5	0	"
732	5/2	1010 / 1016	"	8.0	1.30	1.54		2.0		.5	5		"
733	5/9	1415 / 1421	"	8.0	1.24	1.45		1.8		.5	5	0	"
734	5/16	1325 / 1330	"	7.5	1.08	1.02		1.1		.5	5	0	"
735	5/23	1437 / 1443	"	8.0	1.28	1.73		2.2		.5	5		"
736	5/29	1015 / 1021	"	8.0	1.20	1.42		1.7		.5	5		"
737	6/6	0850 / 0900	"	8.0	1.14	1.67		1.9		.5	5		"
738	6/13	0913 / 0916	"	8.0	1.40	1.43		2.0		.5	5		"
739	6/20	0900 / 0906	"	8.0	1.28	1.48		1.9		.5	5		"
740	6/27	0912 / 0925	"	11.2	3.13	2.24		7.0		.5	8		FC48 FC64
741	7/3	0830 / 0835	BOWMAN-FALCONE	9.0	1.91	1.62		3.1		.5	7		FC64
742	7/11	0835 / 0845	FALCONE	8.0	1.07	1.31		1.4		.5	9		FC48
743	7/18	1420 / 1427	BOWMAN	7.0	0.88	1.01		0.89		.5	6	0	"
744	7/25	0940 / 0947	"	7.5	0.89	1.10		0.98		.5	6		"
745	8/1	0915 / 0921	"	13.0	3.75	1.92		7.2		.5	8		"
746	8/8	0937 / 0942	"	8.0	1.13	0.81		0.91		.5	6	0	"
747	8/16	0921 / 0925	"	8.0	1.34	0.97		1.3		.5	6		"
748	8/22	0959 / 1002	"	8.8	1.48	0.88		1.3		.5	7		"
749	8/29	1535 / 1542	"	8.5	1.46	0.96		1.4		.5	6	0	"
750	9/5	1005 / 1010	"	7.5	0.94	1.06		1.0		.5	6		"
751	9/13	1345 / 1355	MAYFIELD-BOWMAN	7.4	0.89	1.10		0.98		.5	6		"
752	9/19	0923 / 0935	BOWMAN	16.0	5.10	7.00		35.7		.5 .6	9	0	FC64
753	9/26	0915 / 0913	"	7.0	0.96	1.00		0.96		.5	6		FC48

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT NEAR Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1244	10/17	1345	ROY					0.2		EST.			
1245	11/2	1500	"					0.5		"			
1246	11/9	1530	"	3' RECTANGULAR WEIR				0.32					
1247	5/16	1505	"	"	"	"		5.8					
1248	5/24	1615	ROY-FALCONE	"	"	"		5.2					
1249	6/1	1753 / 1759	FALCONE	6.9	5.67	1.21		6.9		.6	6		FC51
1250	6/6	1455 / 1503	FRAZELLE-FALCONE	7.5	7.14	1.23		8.8		.6	9		"
1251	6/14	1255 / 1300	" "	7.0	5.31	1.42		7.5		.6	8		FC56
1252	6/21	1100 / 1107	ROY	6.5	4.21	0.95		4.0		.5 / .6	6		"
1253	6/26	1615 / 1620	"	7.4	4.61	0.65		3.0		.6	5		"
1254	6/28	1026 / 1033	"	5.0	2.14	1.54		3.3		.6	6		"
1255	7/3	1535 / 1539	"	4.0	1.53	1.24		1.9		.6	5		"
1256	7/5	0850 / 0855	"	5.0	2.24	1.11		2.5		.5 / .6	6		"
1257	7/12	1425 / 1430	"	4.6	2.01	1.54		3.1		.5 / .6	6		"
1258	7/19	1435 / 1443	"	6.0	3.23	1.33		4.3		.5 / .6	7		"
1259	7/26	1352 / 1400	MAYFIELD-ROY	6.8	3.81	1.21		4.6		.5 / .6	7		"
1260	8/2	1352 / 1358	ROY-BROOK	7.5	4.78	1.42		6.8		.6	8		"
1261	8/9	0948 / 0952	FALCONE-ROY	3.5	1.35	1.71		2.3		.6	5		"
1262	8/16	1352 / 1357	MAYFIELD-ROY	4.5	1.08	1.67		1.8		.6	5		"
1263	8/20	1310 / 1318	ROY	6.0	2.38	0.67		1.6		.6	7		FC52
1264	8/23	1113 / 1120	"	6.0	2.58	0.62		1.6		.6	7		"
1265	8/30	1138 / 1142	"	5.8	2.15	0.60		1.3		.6	7		"
1266	9/6	1607 / 1614	"	7.0	3.34	0.48		1.6		.6	8		FC56
1267	9/14	1025 / 1028	"	8.0	3.14	0.80		2.5		.6	5		FC52
1268	9/20	1308 / 1324	PARKINSON-ROY	9.9	5.17	0.79		4.1		.6	11		"
1269	9/27	1423 / 1427	ROY-TREJO	8.0	3.14	0.70		2.2		.6	6		"

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S

AT NEAR Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1270	10/4	1520 / 1525	ROY	10.0	6.00	0.87		5.2		.6	6		FC52
1271	10/11	1442 / 1450	"	8.0	5.29	0.57		3.0		.6	9		"
1272	10/15	1030 / 1036	"	8.0	5.02	0.48		2.4		.6	6		FC56
1273	10/16	1512 / 1517	"	8.0	4.48	0.49		2.2		.6	6		FC52
1274	10/25	1439 / 1443	ROY-BROOK	10.0	6.56	0.59		3.9		.5 / .6	6		"
1275	11/1	1500 / 1506	ROY	9.0	5.39	0.58		3.1		.6	6		FC56
1276	11/5	1510 / 1515	"	9.0	5.30	0.57		3.0		.6	6		"
1277	11/15	1440 / 1445	"	9.0	5.50	0.64		3.5		.6	6		"
1278	11/21	1454 / 1500	"	8.4	4.40	0.59		2.6		.6	6		FC52
1279	11/23	0815 / 0821	"	8.0	4.51	0.53		2.4		.6	6		"
1280	11/29	1445 / 1450	"	10.0	5.74	0.64		3.7		.6	6		"
1281	12/3	0820 / 0825	"	8.6	4.72	0.59		2.8		.6	6		"
1282	12/6	1510 / 1513	"	8.0	4.76	0.57		2.7		.6	5		"
1283	12/10	1430 / 1436	"	8.2	5.00	0.60		3.0		.5 / .6	6		"
1284	12/12	0825 / 0831	"	9.0	4.74	0.55		2.6		.5 / .6	6		"
1285	12/18	1338 / 1344	"	8.4	4.79	0.56		2.7		.5 / .6	6		"
1286	12/27	1413 / 1418	"	10.0	5.58	0.47		2.6		.6	7		"
1287	1/3	1504 / 1511	"	7.0	3.86	0.54		2.1		.6	8		"
1288	1/10	1540 / 1546	"	9.6	5.56	0.65		3.6		.6	7		"
1289	1/15	0800 / 0808	"	7.0	3.36	0.54		1.8		.6	8		"
1290	1/17	1505 / 1510	"	8.6	4.77	0.61		2.9		.6	6		FC56
1291	1/24	1522 / 1530	"	10.0	5.92	0.66		3.9		.6	7		"
1292	2/4	1050 / 1107	"	9.6	5.48	0.73		4.0		.6	10		"

DISCHARGE MEASUREMENTS OF BIG DALTON - M.W.D. BLOWOFF F343-S

AT NEAR below Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
15	10/18	1104 / 1117	SARASUA-MC BRIDE	28.0	12.3	2.56		31.5		.5 / .6	14		FC54
16	10/18	1620 / 1635	SARASUA	28.0	14.0	2.16		30.3		.5 / .6	16		"
17	10/19	1240 / 1255	"	28.0	14.2	2.19		31.1		.6	16		"
18	10/20	0920 / 0935	"	28.0	14.3	2.12		30.3		.6	16		"
19	10/21	1055 / 1110	"	28.0	14.4	2.09		30.1		.6	16		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT NEAR above Pallette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
564	10/3	1342 / 1348	WHISLER	5.5	1.25	0.28		0.35		.5	7		FC59
565	10/18	1415 / 1422	"	5.5	1.32	0.17		0.23		.5	7		"
566	11/1	1225 / 1232	"	5.5	1.68	0.17		0.29		.5	7		"
567	11/8	1154 / 1200	"	5.5	1.61	0.12		0.20		.5	7		"
568	11/21	1630 / 1640	FALCONE	3.7	1.55	0.19		0.29		.5	8		"
569	11/30	1205 / 1215	"	3.6	1.36	0.16		0.22		.5	8		"
570	12/6	1518 / 1521	WHISLER	4.0	0.72	0.62		0.45		.5	5		"
571	12/13	1415 / 1418	"	4.0	0.66	0.52		0.34		.5	5		"
572	12/20	1305 / 1307	"	4.0	0.72	0.71		0.51		.5	5		"
573	12/27	1220 / 1225	FALCONE	2.5	0.52	0.63		0.33		.5	6		FC60
574	1/3	1138 / 1142	WHISLER	2.5	0.56	0.55		0.31		.5	6		FC59
575	1/10	1150 / 1155	"	2.5	0.56	0.64		0.36		.5	6		"
576	1/17	1325 / 1331	"	2.5	0.60	0.60		0.36		.5	6		"
577	1/24	1534 / 1540	FRAZELLE-WHISLER	2.6	0.63	0.52		0.33		.5	6		"
578	1/31	1255 / 1300	WHISLER	2.5	0.66	0.65		0.43		.5	6		"
579	2/7	1235 / 1240	"	2.5	0.66	0.61		0.40		.5	6		"
580	2/28	1350 / 1400	"	13.0	10.2	2.61		26.6		.6	14		FC32
581	3/7	1307 / 1320	"	14.0	9.87	3.35		33.1		.6	15		FC41
582	3/14	1503 / 1521	WHISLER-FALCONE	13.8	8.46	3.26		27.6		.5 / .6	15		"
583	3/21	1340 / 1352	WHISLER	13.5	9.11	3.12		28.4		.6	14		"
584	3/28	1645 / 1700	"	14.0	9.5	2.99		28.4		.6	15		"
585	4/4	1408 / 1420	"	14.0	10.2	3.37		34.4		.6	15		"
586	4/11	1411 / 1425	"	14.5	11.9	3.27		38.9		.6	16		"
587	4/18	1325 / 1338	"	14.0	11.1	3.31		36.8		.6	15		"
588	4/25	1440 / 1452	"	13.0	5.82	2.37		13.8		.5 / .6	13		"
589	5/2	1455 / 1512	WALTER-WHISLER	13.6	6.72	2.52		16.9		.6	14		"
590	5/9	1215 / 1230	WHISLER	14.0	9.48	2.80		26.5		.6	15		"
591	5/16	1428 / 1440	"	14.0	9.95	2.77		27.6		.6	15		"
592	5/23	1355 / 1410	"	14.0	9.36	2.72		25.5		.6	15		"
593	5/28	1300 / 1314	"	14.0	9.53	2.79		26.6		.6	15		"
594	6/6	1452 / 1504	"	14.0	9.42	2.54		23.9		.6	15		"
595	6/13	1118 / 1130	"	14.0	9.34	2.40		22.4		.6	15		"
596	6/20	1505 / 1520	WALTER	14.0	7.32	2.23		16.3		.5 / .6	15		"
597	6/27	1326 / 1345	"	12.7	6.20	2.35		14.6		.6	15		"
598	7/3	1402 / 1422	"	12.6	6.53	2.11		13.8		.6	14		"
599	7/11	1240 / 1255	"	12.7	6.02	2.11		12.7		.5 / .6	13		"
600	7/18	1258 / 1312	WHISLER	13.0	6.02	2.29		13.8		.5	14		"
601	7/25	1430 / 1445	"	13.0	5.82	2.13		12.4		.5 / .6	14		"
602	8/1	1456 / 1508	"	13.0	5.63	1.78		10.0		.5	13		FC59
603	8/15	1308 / 1318	"	12.0	4.60	1.70		7.8		.5	13		"
604	8/30	1345 / 1355	PETERSEN	11.0	4.38	1.39		6.1		.5 / .6	7		FC55
605	9/12	1503 / 1513	WHISLER	12.0	3.87	1.81		7.0		.5	13		FC59
606	9/26	1500 / 1512	"	11.5	3.92	1.73		6.8		.5	12		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

AT NEAR above Pallett Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
607	10/9	1500 / 1512	WHISLER	12.0	4.00	1.55		6.2		.5	13		FC59
608	10/24	1355 / 1407	"	12.0	4.12	1.26		5.2		.5	13		"
609	11/7	1310 / 1320	"	12.0	3.80	1.34		5.1		.5	13		"
610	11/21	1415 / 1427	"	12.0	4.10	1.32		5.4		.5	13		"
611	12/5	1345 / 1355	"	12.0	4.33	1.34		5.8		.5	13		"
612	12/12	1230 / 1240	"	12.0	4.14	1.35		5.6		.5	13		"
613	12/19	1400 / 1412	"	12.0	4.37	1.40		6.1		.5	13		"
614	12/26	1300 / 1310	"	12.4	4.44	1.40		6.2		.5	13		"
615	1/2	1325 / 1335	"	12.0	4.30	1.40		6.0		.5	13		"
616	1/9	1340 / 1352	"	12.0	4.27	1.33		5.7		.5	13		"
617	1/16	1300 / 1312	"	12.0	4.28	1.36		5.8		.5	13		"
618	1/23	1225 / 1235	"	12.0	3.80	1.50		5.7		.5	13		"
619	1/30	1230	"					5.7		EST.			
620	2/6	1335	"					5.5		EST.			
621	2/13	1328 / 1336	"	10.0	4.78	1.03		4.9		.5 / .6	11		FC59
622	2/20	1412 / 1420	"		CHANNELS			4.9		.5	10		"
623	2/27	1240 / 1250	"		"			5.0		.5	10		"
624	3/6	1400 / 1412	"		"			5.0		.5	10		"
625	3/13	1200 / 1212	"		"			5.0		.5	10		"
626	3/20	1415 / 1425	"		"			5.1		.5	10		"
627	3/27	1320 / 1332	"		"			4.8		.5	10		"
628	4/3	1420 / 1430	"		"			5.8		.5	10		"
629	4/10	1335 / 1345	"		"			5.4		.5	10		"
630	4/17	1355 / 1405	"		"			6.4		.5	10		"
631	4/24	1350 / 1400	"		CHANNELS			5.2		.5	10		"
632	5/1	1432 / 1444	BOUCHER-WHISLER		"			4.9		.5	11		"
633	5/8	1228 / 1238	WHISLER		"			5.0		.5	11		"
634	5/15	1335 / 1345	"		"			4.6		.5	10		"
635	5/22	1355 / 1405	"		"			4.3		.5	10		"
636	5/29	1320 / 1330	"		"			4.3		.5	10		"
637	6/6	1120 / 1128	"		"			4.0		.5	10		"
638	6/19	1035 / 1044	"		"			3.5		.5	10		"
639	6/26	1236 / 1248	BOUCHER	8.7	2.61	1.00		2.6		.5	10		"
640	7/10	1310 / 1322	"	9.5	4.13	0.56		2.3		.5	10		"
641	7/24	1242 / 1257	MAYFIELD-WHISLER		CHANNELS			2.3		.5	10		"
642	8/7	1006 / 1016	WHISLER		"			2.3		.5	10		"
643	8/22	1315 / 1322	"		"			1.7		.5	10		"
644	9/4	1040 / 1052	"		"			1.9		.5	10		"
645	9/18	1305 / 1312	"		"			1.4		.5	9		"
646	9/25	1430 / 1440	"		"			1.3		.5	9		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
182	2/28	1256 / 1311	WHISLER	19.0	11.0	2.20		24.2		.5 / .6	15		FC32
183	3/7	1238 / 1251	"	19.0	12.2	2.57		31.4		.5 / .6	16		FC41
184	3/14	1421 / 1447	FALCONE-WHISLER	19.5	9.46	2.44		23.1		.5 / .6	21		"
185	3/21	1256 / 1312	WHISLER	19.5	9.24	2.52		23.3		.5 / .6	18		"
186	3/28	1610 / 1625	"	20.0	9.71	2.49		24.2		.5 / .6	21		"
187	4/4	1336 / 1348	"	20.0	10.2	3.01		30.7		.5 / .6	13		"
188	4/11	1328 / 1346	"	20.0	10.8	3.19		34.4		.6	21		"
189	4/18	1240 / 1255	"	20.0	10.3	2.79		28.8		.5 / .6	17		"
190	4/25	1435 / 1446	"	20.0	6.33	1.50		9.5		.5	12		"
191	5/2	1421 / 1437	WALTER-WHISLER	14.0	6.08	1.84		11.2		.5 / .6	14		"
192	5/9	1152 / 1202	WHISLER	20.5	8.14	2.18		17.7		.5 / .6	12		"
193	5/16	1355 / 1406	"	20.0	9.56	2.53		24.2		.5 / .6	13		"
194	5/23	1324 / 1336	"	20.0	9.06	2.45		22.2		.5 / .6	14		"
195	5/28	1217 / 1235	"	20.0	9.16	2.28		20.9		.5 / .6	21		"
196	6/6	1423 / 1438	"	20.0	8.63	2.14		18.5		.5	14		"
197	6/13	1035 / 1049	"	20.0	8.41	1.82		15.3		.5	13		FC59
198	6/20	1437 / 1455	WALTER	13.5	8.81	1.53		13.5		.5 / .6	15		"
199	6/27	1226 / 1243	"	12.1	7.91	1.56		12.3		.6	13		FC41
200	7/3	1327 / 1340	"	12.0	7.31	1.29		9.4		.6	12		"
201	7/11	1210 / 1225	"	12.1	6.60	1.26		8.3		.5 / .6	12		"
202	7/18	1213 / 1225	WHISLER	13.0	5.63	1.60		9.0		.5	14		"
203	7/25	1500 / 1516	"	13.0	4.87	1.31		6.4		.5 / .6	12		FC59
204	8/1	1437 / 1443	"	13.0	4.94	1.26		6.2		.5	10		"
205	8/15	1446 / 1452	"	13.0	4.11	1.02		4.2		.5	9		"
206	8/30	1322 / 1329	PETERSEN	9.0	2.84	0.70		2.0		.5 / .6	6		FC55
207	9/12	1444 / 1452	WHISLER	12.0	2.88	0.69		2.0		.5	8		FC59
208	9/26	1414 / 1419	"	10.0	2.14	0.61		1.3		.5	6		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
209	10/9	1528 / 1532	WHISLER	10.0	2.08	0.58		1.2		.5	6		FC59
210	10/24	1301 / 1306	"	8.0	1.85	0.32		0.60		.5	6		"
211	11/7	1210 / 1214	"	9.0	1.59	0.32		0.51		.5	5		"
212	11/21	1305 / 1310	"	10.0	1.80	0.34		0.61		.5	6		"
213	12/5	1248 / 1253	"	9.0	2.05	0.41		0.84		.5	7		"
214	12/12	1138 / 1142	"	9.5	2.06	0.46		0.94		.5	7		"
215	12/19	1310 / 1315	"	9.0	2.42	0.41		1.0		.5	6		"
216	12/26	1206 / 1210	"	9.5	2.18	0.46		1.0		.5	7		"
217	1/2	1200 / 1206	"	9.5	2.21	0.40		0.89		.5	8		"
218	1/9	1243 / 1248	"	9.0	2.12	0.43		0.92		.5	7		"
219	1/16	1200 / 1205	"	9.0	2.11	0.40		0.85		.5	7		"
220	1/23	1130 / 1136	"	9.0	1.86	0.37		0.68		.5	8		"
221	1/30	1130 / 1135	"	10.0	1.62	0.31		0.51		.5	8		"
222	2/6	1224 / 1230	"	7.0	1.35	0.21		0.28		.5	8		"
223	2/13	1244 / 1248	"		CHANNELS			0.82		.5	6		"
224	2/20	1323 / 1325	"		"			0.36		EST.	5		"
225	2/27	1200	"					0.10		EST.			
226	3/6	1240	"					0.05		EST.			
227	3/13	1100	"					0.04		EST.			
228	3/20	1440	"					+		EST.			
229	3/27	1210	"					+		EST.			
230	4/3	1310 / 1316	"	8.0	1.42	1.13		1.6		.5	7		FC59
231	4/10	1229 / 1235	"	7.0	1.41	0.92		1.3		.5	8		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

AT NEAR above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
232	4/17	1150 / 1156	"	7.0	1.63	1.23		2.0		.5	6		"
233	4/24	1301 / 1305	"	7.0	0.99	0.79		0.78		.5	6		"
234	5/1	1350 / 1359	BOUCHER-WHISLER	6.5	1.04	0.72		0.75		.5	7		"
235	5/8	1125 / 1127	WHISLER	2.5	0.39	0.59		0.23		.5	4		"
236	5/15	1235	"					0					
237	5/22	1250	"					0					
238	5/29	1205	"					0					
239	6/6	1250	"					0					
240	6/19	1215	"					0					
241	6/26	1445	BOUCHER					0					

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
301	11/21	1430 / 1440	FALCONE	2.8	0.62	1.19		0.74		.5	7		FC59
302	11/30	0945 / 1015	"	CHANNELS				0.85		.5	15		"
303	12/6	1440 / 1448	WHISLER		"			3.2		.5	11		"
304	12/13	1344 / 1346	"	3.0	0.28	0.61		0.17		.5	4		"
305	12/20	1135 / 1137	"	3.0	0.29	0.55		0.16		.5	4		"
306	12/27	1025 / 1055	FALCONE	CHANNELS				1.29		.5	16		FC60
307	1/3	1104 / 1106	WHISLER	3.0	0.26	0.54		0.14		.5	4		FC59
308	1/10	1118 / 1120	"	3.0	0.24	0.54		0.13		.5	4		"
309	1/7	1242 / 1244	"	3.0	0.24	0.54		0.13		.5	4		"
310	1/24	1453 / 1516	FRAZELLE-WHISLER	17.2	4.06	1.16		4.7		.5 .6	20		"
311	1/31	1220 / 1228	WHISLER	12.0	2.04	1.01		2.7		.5	10		"
312	2/7	1206 / 1211	"	5.0	1.51	1.32		2.0		.5	6		"
313	2/28	1323 / 1336	"	20.0	12.2	2.15		26.2		.6	19		FC32
314	3/7	1203 / 1218	"	20.0	13.0	2.36		30.7		.6	20		FC41
315	3/14	1340 / 1402	WHISLER-FALCONE	20.0	11.5	1.92		22.1		.5 .6	20		"
316	3/21	1224 / 1240	WHISLER	20.0	11.0	1.81		19.9		.6	20		"
317	3/28	1520 / 1545	"	CHANNELS				23.0		.6	28		"
318	4/4	1333 / 1325	"		"			30.3		.5 .6	30		"
319	4/11	1240 / 1311	"		"			38.8		.5 .6	28		"
320	4/18	1133 / 1158	"		"			36.8		.5 .6	28		"
321	4/25	1325 / 1342	"		"			31.7		.5 .6	20		"
322	5/2	1323 / 1400	WALTER-WHISLER		"			26.7		.5 .6	28		FC41 FC59
323	5/9	1105 / 1135	WHISLER		"			30.2		.5 .6	20		"
324	5/16	1323 / 1339	"		"			25.9		.5 .6	18		"
325	5/23	1231 / 1249	"		"			19.6		.5 .6	20		"
325	5/28	1140 / 1158	"		"			19.7		.5 .6	18		FC59
327	6/6	1350 / 1407	"		"			16.8		.5	20		FC41 FC59
328	6/13	1007 / 1021	"		"			16.6		.5	18		FC59
329	6/29	1325 / 1400	WALTER		"			13.7		.5 .6	28		"
330	6/27	1113 / 1145	"		"			9.6		.5 .6	28		"
331	7/3	1325 / 1309	"		"			8.6		.5 .6	24		"
332	7/11	1140 / 1155	"		"			8.8		.5 .6	17		"
333	7/18	1148 / 1202	WHISLER		"			9.5		.5	16		FC41 FC59
334	7/25	1338 / 1350	"		"			7.7		.5 .6	16		FC59
335	8/1	1406 / 1420	"		"			7.5		.5	16		"
336	8/15	1410 / 1420	"	18.0	6.54	0.69		4.5		.5	11		"
337	8/30	1200 / 1210	PETERSEN	15.0	13.2	0.30		4.0		.6	8		FC55
338	9/12	1120 / 1130	WHISLER	19.0	6.27	0.48		3.0		.5	11		FC59
339	9/26	1330 / 1340	"	19.0	4.40	0.50		2.2		.5	11		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
340	10/9	1300 / 1310	WHISLER	19.0	4.56	0.48		2.2		.5	11		FC59
341	10/24	1226 / 1234	"	19.0	5.01	0.58		2.9		.5	11		"
342	11/7	1149 / 1158	"	19.0	5.56	0.58		3.2		.5	11		"
343	11/21	1232 / 1242	"	18.0	5.16	0.62		3.2		.5	11		"
344	12/5	1147 / 1159	"	CHANNELS				3.9		.5	16		"
345	12/12	1105 / 1115	"		"			3.9		.5	16		"
346	12/19	1235 / 1247	"		"			3.5		.5	16		"
347	12/26	1132 / 1143	"		"			3.6		.5	16		"
348	1/2	1124 / 1144	"		"			3.2		.5	11		"
349	1/9	1218 / 1226	"		"			2.6		.5	11		"
350	1/16	1127 / 1139	"		"			2.9		.5	11		"
351	1/23	1110 / 1118	"		"			3.0		EST.	11		"
352	1/30	1058 / 1106	"		"			2.8		.5	11		"
353	2/6	1202	"		"			0.4		EST.			"
354	2/13	1208 / 1220	"		"			4.6		.5	12		"
355	2/20	1300 / 1310	"		"			3.0		.5	13		"
356	2/27	1130 / 1140	"		"			4.2		.5	16		"
357	3/6	1212 / 1220	"		"			3.3		.5	15		"
358	3/13	1045 / 1055	"		"			3.1		.5	12		"
359	3/20	1142 / 1152	"		"			4.2		.5	13		"
360	3/27	1135 / 1145	"		"			2.4		.5	12		"
361	4/3	1238 / 1248	"		"			5.9		.5	13		"
362	4/10	1152 / 1202	"		"			3.6		.5	13		"
363	4/17	1123 / 1130	"		"			4.0		.5	12		"
364	4/24	1226 / 1236	"		"			1.7		.5	12		"
365	5/1	1310 / 1328	BOUCHER-WHISLER		"			3.2		.5	18		"
366	5/8	1054 / 1100	WHISLER		"			1.4		.5	11		"
367	5/15	1213 / 1215	"	3.0	0.42	0.90		0.38		.5	4		"
368	5/22	1212 / 1215	"	3.5	0.46	0.78		0.36		.5	5		"
369	5/29	1146 / 1148	"	3.0	0.38	0.88		0.33		.5	4		"
370	6/6	1235	"					0.25		EST.			
371	6/19	1315	"					0.20		EST.			
372	6/26	1413 / 1420	BOUCHER	3.0	0.34	0.62		0.21		.5	5		FC59
373	7/10	1510 / 1515	"	3.0	0.20	0.65		0.13		.5	5		"
374	7/24	1144 / 1148	MAYFIELD-WHISLER	3.0	0.19	0.53		0.10		.5	5		"
375	8/7	1508	WHISLER					0.05		EST.			
376	8/21	1230	"					+		EST.			
377	9/4	1230	"					+		EST.			
378	9/18	1255	"					5.0		EST.			
379	9/25	1340	"					0.05		EST.			

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT NEAR 1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
152	12/7	1116 / 1120	WHISLER	2.0	0.23	0.52		0.12		.5	5		FC59
153	12/14	1303 / 1305	"	1.2	0.07	0.71		0.05		.5	4		"
154	1/25	1310 / 1315	"	6.5	1.75	0.30		0.52		.5	8		"
155	2/1	1343 / 1345	"	2.0	0.20	0.55		0.11		.5	4		"
156	2/26	1309 / 1316	"	6.0	1.64	0.58		0.95		.5	7		FC41
157	3/1	1129 / 1135	"	6.0	1.46	0.62		0.91		.5	7		FC59
158	3/8	1333 / 1337	"	6.0	1.44	0.63		0.91		.5	7		FC41
159	3/15	1056 / 1100	"	5.5	1.11	0.48		0.53		.5	7		FC59
160	3/22	1030 / 1035	"	5.5	1.01	0.50		0.51		.5	7		"
161	3/29	1120 / 1124	"	5.5	0.96	0.44		0.42		.5	7		"
162	4/5	1230 / 1240	"	10.5	7.16	1.38		9.9		.6	11		FC41
163	4/12	1250 / 1257	"	10.0	5.15	0.95		4.9		.5	11		FC59
164	4/19	1044 / 1052	"	10.0	6.39	2.21		14.1		.6	11		FC41
165	4/26	1102 / 1110	"	9.5	5.24	1.81		9.5		.6	11		FC59
166	5/3	1044 / 1052	"	10.0	6.67	1.39		9.3		.6	11		"
167	5/10	1750 / 1804	WALTER-WHISLER	10.9	7.11	1.28		9.1		.6	12		"
168	5/17	1140 / 1148	WHISLER	11.0	5.49	2.12		11.6	.5	.6	12		"
169	5/24	1240 / 1248	"	11.0	5.72	1.68		9.6		.6	12		"
170	5/29	1228 / 1240	"	11.0	6.04	1.66		10.0		.6	12		"
171	6/7	1317 / 1327	"	11.0	5.49	1.79		9.8	.5	.6	12		"
172	6/14	1043 / 1056	WALTER-WHISLER	11.5	6.68	1.48		9.9		.6	12		"
173	6/21	1130 / 1145	WALTER	11.0	6.01	1.53		9.2		.6	12		"
174	6/28	1044 / 1100	"	11.0	6.61	1.38		9.1	.5	.6	12		"
175	7/5	1045 / 1103	"	11.4	6.56	1.46		9.6		.6	12		"
176	7/12	1022 / 1040	"	11.2	5.67	1.75		9.9		.6	12		"
177	7/19	1335 / 1346	WHISLER	11.5	6.89	1.42		9.8		.6	13		"
178	7/26	1241 / 1247	"	5.0	1.53	1.18		1.8		.5	6		"
179	8/2	1312 / 1318	"	5.0	1.21	1.16		1.4		.5	6		"
180	8/9	1120 / 1124	"	5.4	1.52	0.92		1.4		.5	6		"
181	8/16	1432 / 1438	"	3.3	0.62	1.13		0.70		.5	6		FC41
182	8/23	1157 / 1204	"	7.0	1.62	0.80		1.3		.5	8		FC59
183	9/6	1215 / 1220	"	5.0	0.71	1.69		1.2		.5	6		"
184	9/13	1235 / 1243	"	7.5	1.59	0.88		1.4		.5	9		"
185	9/20	1246 / 1252	"	7.5	1.54	0.91		1.4		.5	9		"
186	9/27	1424 / 1430	"	7.5	1.57	0.96		1.5		.5	9		"

DISCHARGE MEASUREMENTS OF BOUQUET CREEK F284-S

AT NEAR 1.5 Miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
187	7/3	1116 / 1126	BOUCHER	10.0	3.08	0.62		1.9		.5	9		FC59
188	7/11	1257 / 1309	"	5.7	2.83	0.99		2.8		.5	7		"
189	7/18	1148 / 1200	WHISLER	5.8	2.79	1.00		2.8		.5	7		"
190	7/25	1030 / 1038	"	11.0	3.74	0.88		3.3		.5	12		"
191	8/1	1014 / 1018	"	6.0	1.27	0.73		0.93		.5	7		"
192	8/8	1157 / 1200	"	2.5	0.32	0.72		0.23		.5	5		"
193	8/22	1242 / 1244	"	1.4	0.10	1.10		0.11		.5	4		"
194	8/29	0824	"					+		EST.			
195	9/5	1330	"					0.08		EST.			
196	9/12	1200	"					+		EST.			
197	9/19	1354 / 1400	"	8.0	2.58	1.12		2.9		.5	8		"
198	9/26	1327 / 1333	"	8.0	2.44	1.23		3.0		.5	8		"

DISCHARGE MEASUREMENTS OF BUENA VISTA CHANNEL F339-S

AT NEAR above Buena Vista Pit DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
25	12/14	1013 / 1020	WOOD	11.6	1.11	2.16	0.12	2.4		.5	8	0	FC53
26	2/8	0959 / 1005	WOOD-FRAZELLE	12.5	3.31	6.00		19.9		.5	10		FC57
27	2/10	0902 / 0909	" "	12.5	3.03	5.01		15.2		.5	10		"
28	2/15	1034 / 1036	" "	10.0	1.60	5.12		8.2	FLOATS		7		
29	2/19	1025 / 1033	FRAZELLE-WOOD	12.7	3.94	5.94		23.4		.5	9		FC34
30	3/6	0840 / 0851	FRAZELLE-BROOK	11.5	1.33	1.21		1.6		.5	13		FC53

DISCHARGE MEASUREMENTS OF CASTAIC CREEK F140-S

AT NEAR Elizabeth Lake Canyon Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
41	2/26	1030 / 1055	WHISLER	41.0	30.3	2.50		75.6		.6	15		FC41
42	3/1	1450 / 1502	"	33.0	24.1	2.22		53.5	.5	.6	13		FC32
43	3/8	0826 / 0840	"	29.0	22.0	1.68		37.0		.6	12		FC41
44	3/15	0912 / 0926	"	29.0	16.5	1.50		24.7		.6	13		FC59
45	3/22	1238 / 1248	"	29.0	12.0	1.78		21.4		.5	11		FC41
46	3/29	1425 / 1434	"	27.0	9.13	1.98		18.1		.5	12		FC49
47	4/12	1058 / 1105	"	14.0	4.14	2.30		9.5		.5	8		FC59
48	4/19	1340 / 1350	"		CHANNELS			7.0		.5	13		"
49	4/26	0956 / 1004	"	13.5	3.79	1.69		6.4		.5	10		"
50	5/3	0940 / 0946	"	12.0	4.04	1.26		5.1		.5	7		"
51	5/10	1054 / 1104	WALTER-WHISLER	7.4	1.74	1.55		2.7		.5	9		"
52	5/17	1348 / 1354	WHISLER	12.8	2.78	1.76		4.9		.5	7		"
53	5/24	1114 / 1120	"	7.0	1.30	1.31		1.7		.5	8		"
54	5/29	1002 / 1006	"	6.0	1.44	1.25		1.8		.5	7		"
55	6/7	1021 / 1027	"	6.5	1.34	0.64		0.86		.5	8		"
56	6/14	0939 / 0944	WALTER-WHISLER	3.8	0.56	0.98		0.55		.5	6		"
57	6/21	1035 / 1045	WALTER	5.6	0.90	0.48		0.43		.5	8		"
58	6/28	0858 / 0907	"	5.2	1.03	0.35		0.34		.5	7		"
59	7/5	0914 / 0921	"	3.0	0.58	0.48		0.28		.5	7		"
60	7/12	0925 / 0930	"	3.3	0.52	0.42		0.22		.5	6		"
61	7/19	1035 / 1039	WHISLER	2.0	0.33	0.61		0.20		.5	5		"

DISCHARGE MEASUREMENTS OF COLD CREEK F61-S

AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
232	3/1	1345 / 1355	SJOSTEDT	10.5	4.05	2.17		8.8		.5	8		FC29
233	3/8	1125 / 1135	"	10.5	3.52	2.47		8.7		.5	8		FC50
234	3/15	1300 / 1310	"	9.5	4.31	1.07		4.6		.5	7		FC29
235	3/22	1200 / 1210	"	7.0	3.17	1.26		4.0		.5 / .6	8		"
236	3/29	1430 / 1440	MAYFIELD	9.0	3.65	0.93		3.4		.5	9		"
237	4/12	1140 / 1150	SJOSTEDT	7.0	2.69	0.86		2.3		.5	8		"
238	4/19	1150 / 1200	"	5.0	1.60	0.94		1.5		.5	5		"
239	5/3	1330 / 1335	"	4.0	0.83	1.14		0.95		.5	5		"
240	5/10	1310 / 1315	"	3.0	0.67	1.13		0.76		.5	5		FC65
241	5/17	1420 / 1425	"	5.0	1.75	0.74		1.3		.5	6		"
242	5/24	1425 / 1430	"	3.5	1.34	0.57		0.76		.5	6		"
243	6/1	1305 / 1310	"	3.5	1.14	0.59		0.67		.5	5		FC50
244	6/7	1440 / 1445	"	3.5	1.10	0.53		0.58		.5	5		"
245	6/14	1130 / 1140	"	3.5	1.12	0.47		0.53		.5	5		"
246	6/21	1145 / 1155	"	3.0	0.85	0.47		0.40		.5	7		"
247	6/28	1230 / 1240	"	3.0	0.76	0.29		0.22		.5	7		"
248	7/5	1210 / 1215	"	1.6	0.27	0.78		0.21		.5	5		"
249	7/12	1250 / 1255	"	1.6	0.23	0.74		0.17		.5	5		"
250	7/19	1405 / 1410	"	1.6	0.21	0.67		0.14		.5	5		"
251	7/26	1350 / 1355	"	1.5	0.18	0.61		0.11		.5	4		"
252	8/1	1340 / 1345	"	1.5	0.18	0.39		0.07		.5	4		"
253	8/9	1125 / 1130	"	1.6	0.17	0.35		0.06		.5	5		"
254	8/16	1035 / 1040	"	1.6	0.14	0.21		0.03		.5	5		"
255	8/23	1330	"					+		EST.			
256	8/30	1130	"					+		EST.			

DISCHARGE MEASUREMENTS OF COLD CREEK F 61-S

AT NEAR Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
257	3/17	0010 / 0025	MAYFIELD-PETERSEN	12.0	8.35	1.19		9.9		.5 / .6	7		FC55
258	3/21	1550 / 1555	SJOSTEDT	2.0	0.60	0.48		0.29		.5	5		FC65
259	3/28	0908 / 0920	MAYFIELD-PETERSEN	12.0	6.72	1.80		12.1		.5 / .6	10		FC55
260	3/28	1446 / 1452	" "	9.5	2.48	0.92		2.3		.5	6		"
261	4/4	1120 / 1125	SJOSTEDT	3.0	0.72	0.42		0.30		.5	5		FC50
262	4/12	1235 / 1240	"	3.0	0.63	0.29		0.20		.5	5		"
263	4/18	1120 / 1125	"	3.0	0.58	0.33		0.19		.5	5		"
264	4/25	1305 / 1310	"	3.0	0.56	0.38		0.21		.5	5		"
265	5/2	1543 / 1548	PETERSEN	3.7	1.07	0.34		0.36		.5	6		"
266	5/9	1140 / 1150	SJOSTEDT	2.0	0.63	0.92		0.58		.5	6		"
267	5/16	1440 / 1450	"	3.0	0.67	0.37		0.25		.5	5		"
268	5/23	1600 / 1610	"	2.0	0.54	0.30		0.16		.5	5		"
269	5/29	1425 / 1430	"	1.6	0.21	0.62		0.13		.5	5		"
270	6/6	1340 / 1345	"	1.6	0.20	0.50		0.10		.5	5		"
271	6/13	1610 / 1615	"	2.0	0.36	0.28		0.10		.5	5		"
272	6/20	1600 / 1605	"	1.2	0.15	0.40		0.06		.5	5		"
273	6/27	1610 / 1615	"	1.6	0.19	0.16		0.03		.5	5		"
274	7/3	1540 / 1545	"	0.9	0.06	0.33		0.02		.5	4		"
275	7/11	1130	"					+		EST.			
276	7/18	1600	"					+		EST.			
277	7/25	1010	"					+		EST.			
278	8/1	1105	"					+		EST.			
279	8/8	0910	"					+		EST.			
280	8/15	1340	PETERSEN					0					
281	8/21	1200	SJOSTEDT					+		EST.			
282	9/26	1600	"					0					

DISCHARGE MEASUREMENTS OF COMPTON CREEK F207-S

AT NEAR Junction with Los Angeles River DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	6/25	0954 / 1005	BONADIMAN	10.0	2.27	0.45		1.1		.6	9		FC61
2	6/29	0935 / 0945	"	11.0	2.74	0.84		2.3		.6	9		"

DISCHARGE MEASUREMENTS OF COYOTE CREEK - NORTH FORK F348-S

AT NEAR Imperial Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
43	10/4	1010 / 1016	BONADIMAN	3.0	0.45	0.87	0.05	0.39		.5	6	0	FC61
44	10/10	0926 / 0932	"	3.1	0.32	0.63	0.04	0.20		.6	6	0	"
45	10/17	0932 / 0940	"	3.0	0.35	0.74	0.04	0.26		.6	6	0	"
46	10/24	0945 / 0950	"	2.7	0.36	0.50	0.02	0.18		.5	6	0	"
47	11/7	0932 / 0936	BROOK	2.4	0.36	0.42	0.02	0.15		.5	6		"
48	11/14	0924 / 0938	"	7.1	1.93	1.50	0.10	2.9		.5	13	0	"
49	11/20	1320 / 1340	BROOK-FRAZELLE	35.0	46.1	3.92	1.55	181.		.6	10	+.35	FC35
50	11/21	1052 / 1100	FRAZELLE-BROOK	3.0	0.84	1.16	0.03	0.98		.5	7	0	FC61
51	11/25	1132 / 1139	BROOK-PENTON	37.0	27.3	1.83	0.57	50.2		.6	10	-.03	FC35
52	11/25	1550 / 1557	" "	38.0	32.0	2.39	0.70	76.6		.6	11	0	"
53	11/25	2048 / 2058	PENTON-BROOK	6.5	5.07	2.15	0.21	10.9		.6	8	-.01	"
54	11/30	1027 / 1037	" "	5.8	3.59	0.84	0.10	3.0		.5 / .6	7	0	"
55	12/2	0459 / 0507	BROOK-PENTON	38.0	41.2	2.50	0.83	103.		.6	11	+.08	"
56	12/2	1230 / 1235	" "	20.5	18.6	1.63	0.40	30.3		.6	10	-.03	"
57	12/2	1641 / 1646	" "	6.2	3.87	0.96	0.13	3.6		.5 / .6	8	0	"
58	12/11	0922 / 0931	BROOK-BONADIMAN	9.5	2.56	0.62	0.07	1.6		.6	11	0	FC19
59	1/2	0942 / 0945	BROOK	2.0	0.09	0.67	0.00*	0.06		.5	5	0	FC61
60	1/9	0945 / 0954	"	4.2	1.79	0.95	0.06	1.7		.5	9	0	"
61	1/16	0941 / 0951	"	9.5	3.28	0.61	0.07*	2.0		.5	11	0	"
62	1/20	1143 / 1157	BROOK-PENTON	48.0	85.0	50.2	2.20*	427.		.6	13		FC35
63	1/20	1621 / 1633	PENTON-BROOK	40.0	45.1	2.16	0.75	97.2		.5 / .6	13	0	"
64	1/21	1302 / 1310	BROOK	9.7	6.02	1.83	0.21	11.0		.6	8	0	"
65	1/22	1226 / 1234	PENTON-BROOK	27.0	29.7	1.38	0.52	40.9		.6	11	+.04	"
66	1/22	1610 / 1622	" "	44.0	53.6	4.18	1.42	224.		.5 / .6	13	-.15	"
67	1/23	1023 / 1038	" "	9.7	5.21	1.00	0.15	5.2		.5 / .6	12	-.02	"

DISCHARGE MEASUREMENTS OF DEVIL'S PUNCH BOWL CREEK F178-S

AT NEAR above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	12/6	1345 / 1348	WHISLER	4.0	0.50	1.32		0.66		.5	5		FC59
74	12/13	1306 / 1310	"	2.5	0.27	1.19		0.32		.5	6		"
75	12/20	1120 / 1122	"	2.4	0.22	0.82		0.18		.5	4		"
76	1/3	1026 / 1028	"	2.0	0.14	0.57		0.08		.5	5		"
77	1/10	1042 / 1044	"	1.4	0.11	0.54		0.06		.5	4		"
78	1/24	1425 / 1434	FRAZELLE-WHISLER	7.1	1.07	1.78		1.9		.5	9		"
79	1/31	1234 / 1238	WHISLER	3.0	0.38	1.82		0.69		.5	7		"
80	2/7	1145 / 1147	"	3.0	0.28	1.36		0.38		.5	4		"
81	2/28	1148 / 1156	"	8.4	2.70	1.30		3.5		.5	10		"
82	3/7	1113 / 1119	"	8.5	2.77	1.88		5.2		.5	9		FC41
83	3/14	1247 / 1259	WHISLER-FALCONE	8.5	1.99	1.18		2.4		.5	10		FC59
84	3/21	1128 / 1134	WHISLER	8.5	1.86	1.02		1.9		.5	8		"
85	3/28	1422 / 1429	"	8.5	1.87	1.07		2.0		.5	10		"
86	4/11	1119 / 1125	"	8.0	2.65	1.36		3.6		.5	9		"
87	4/18	1113 / 1118	"	9.0	2.86	1.54		4.4		.5	10		"
88	5/2	1217 / 1227	WALTER-WHISLER	8.8	1.97	1.02		2.0		.5	10		"
89	5/16	1238 / 1244	WHISLER	8.0	1.61	0.81		1.3		.5	9		"
90	5/23	1143 / 1150	"	8.0	1.43	0.67		0.96		.5	9		"
91	6/6	1233 / 1237	"	5.0	0.89	0.60		0.53		.5	6		"
92	6/20	1147 / 1155	WALTER	3.0	0.30	0.67		0.20		.5	7		"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F1418-S

AT NEAR 2.4 Miles above Castaic Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
365	2/26	1117 / 1126	WHISLER	26.0	10.8	3.38		36.5		.5 / .6	12		FC41
366	3/1	1514 / 1525	"	33.0	10.6	2.63		27.9		.5 / .6	13		FC32
367	3/8	0750 / 0806	"	31.0	10.4	2.41	3.05	25.1		.5	12		FC41
368	3/15	0938 / 0950	"	28.0	8.76	2.10		18.4		.5 / .6	15		FC59
369	3/22	1300 / 1308	"	29.0	8.81	2.00		17.6		.5	11		"
370	3/29	1358 / 1408	"	28.0	7.87	1.78		14.0		.5	12		"
371	4/12	1024 / 1032	"	13.0	5.30	1.72	2.87	9.1		.5	9		"
372	4/19	1316 / 1322	"	12.0	4.44	1.67		7.4		.5	7		"
373	4/26	0925 / 0931	"	14.0	5.34	1.37	2.82	7.3		.5 / .6	8	0	"
374	5/3	0918 / 0925	"	13.0	4.38	1.10	2.82	4.8		.5	8	0	"
375	5/10	1022 / 1037	WALTER-WHISLER	12.4	3.48	0.98	2.81	3.4		.5 / .6	12	0	"
376	5/17	1324 / 1332	WHISLER	13.5	5.44	1.47	2.85	8.0		.5	8		"
377	5/24	1050 / 1056	"	12.5	3.73	0.91	2.80	3.4		.5 / .6	7		"
378	5/29	0938 / 0947	"	12.0	3.82	0.94	2.81	3.6		.5	7	0	"
379	6/7	1005 / 1010	"	12.0	3.28	0.67	2.82	2.2		.5	7		"
380	6/14	0915 / 0927	WALTER-WHISLER	11.0	2.72	0.55	2.82	1.5		.5	7	0	"
381	6/21	1005 / 1016	WALTER	9.0	1.99	0.47		0.94		.5	9		"
382	6/28	0833 / 0840	"	4.6	0.94	0.32	2.75	0.30		.5	7		"
383	7/5	0942 / 0949	"	2.5	0.33	0.24		0.08		.5	6		"

DISCHARGE MEASUREMENTS OF DEVIL'S PUNCH BOWL CREEK F178-S

AT NEAR above Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
93	1/23	1042	WHISLER					0.05		EST.			
94	2/6	1127	"					+		EST.			
95	2/13	1136 / 1140	"	3.0	0.53	0.96		0.51		.5	5	0	FC59
96	2/20	1226 / 1230	"	2.4	0.29	0.59		0.17		.5	6	0	"
97	2/27	1100 / 1102	"	2.0	0.18	0.50		0.09		.5	5		"
98	3/6	1135 / 1137	"	1.8	0.16	0.50		0.08		.5	4		"
99	3/13	1035 / 1037	"	1.8	0.14	0.50		0.07		.5	4		"
100	3/20	1113 / 1115	"	2.0	0.17	0.82		0.14		.5	5		"
101	3/27	1100	"					0.10		EST.			
102	4/10	1113 / 1115	"	3.0	0.42	0.67		0.28		.5	4		FC59
103	4/17	1046 / 1050	"	2.5	0.37	0.81		0.30		.5	6		"
104	4/24	1144 / 1146	"	1.7	0.14	0.71		0.10		.5	5		"
105	5/1	1138 / 1143	BOUCHER-WHISLER	2.1	0.19	1.84		0.35		.5	5		"
106	5/15	1154 / 1156	WHISLER	1.5	0.10	0.80		0.08		.5	4		"
107	5/22	1130	"					0.02		EST.			
108	5/29	1050	"					+		EST.			
109	6/6	1200	"					0		EST.			
110	6/26	1335	BOUCHER					0					
111	9/18	1230	WHISLER					2.0		EST.			
112	9/25	1335	"					+		EST.			

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F1418-S

AT NEAR 2.4 Miles above Castaic Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
384	1/31	0847 / 0853	WHISLER	6.0	0.94	0.63	2.80	0.59		.5	7	0	FC59
385	2/7	1018 / 1020	"	6.5	1.01	0.54	2.77	0.55		.5	5	0	"
386	2/14	0808 / 0813	"	10.0	2.26	1.15	2.70	2.6		.5	6	0	"
387	2/21	0900 / 0904	"	8.0	1.64	0.61	2.67	1.0		.5	5	0	"
388	2/28	0845 / 0849	"	7.0	1.13	0.70		0.79		.5	6	0	"
389	3/7	1042 / 1047	"	6.0	1.05	0.69		0.72		.5	7	0	"
390	3/14	0956 / 1002	"	10.0	2.36	0.72	2.70	1.7		.5	7	0	"
391	3/21	0838 / 0845	"	9.0	2.27	1.06	2.72	2.4		.5	9	0	"
392	4/4	0844 / 0850	"	11.0	2.79	0.82	2.72	2.3		.5	8	0	"
393	4/11	0855 / 0903	"	9.5	2.14	1.07	2.74	2.3		.5	8	0	"
394	4/18	0845 / 0850	"	9.0	2.06	1.02	2.73	2.1		.5	7		"
395	4/25	0922 / 0927	"	9.0	2.06	0.97		2.0		.5	6	0	"
396	5/2	1428 / 1432	"	5.0	0.88	0.55		0.48		.5	6		"
397	5/9	1140 / 1145	"	8.5	2.09	0.96		2.0		.5	6	0	"
398	5/16	1101 / 1111	"	7.0	1.32	0.83	2.70	1.1		.5	8	0	"
399	5/23	1001 / 1007	"	7.0	1.41	0.78		1.1		.5	8	0	"
400	5/31	0950 / 0954	"	7.2	1.39	0.79		1.1		.5	6		"
401	6/5	0758 / 0806	BOUCHER-WHISLER	6.3	0.85	0.51		0.43		.5	7		"
402	6/13	1015 / 1023	WHISLER	7.0	1.49	0.74		1.1		.5	8	0	"
403	6/20	0835 / 0839	"	5.0	0.43	0.58		0.25		.5	5		"
404	6/27	1103 / 1106	BOUCHER	2.0	0.15	0.53		0.08		.5	5		"
405	7/3	0955	"					0					

DISCHARGE MEASUREMENTS OF LITTLE DALTON WASH F341-S

AT NEAR below Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	10/20	1005 / 1020	SARASUA	22.5	7.22	1.46		10.5		.6	14		FC54
2	10/20	1020 / 1040	"	22.5	6.98	1.76		12.3		.6	14		FC49
3	10/21	1255 / 1305	"	23.4	7.26	1.86		13.5		.6	16		"
4	10/22	1010 / 1030	"	26.0	7.05	2.08		14.7		.6	17		"
5	10/23	0855 / 0910	"	23.5	7.34	1.81		13.3		.6	16		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39B-S

AT NEAR Del Amo Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
8	10/2	1033 / 1049	BROOK	22.4	8.41	1.48	0.98	12.4		.5	13	0	FC35
9	10/2	1137 / 1155	BONADIMAN	22.5	8.77	1.71	1.02	15.0		.6	13	0	FC61
10	10/3	1155 / 1212	"	23.0	10.1	1.56	1.08	15.8		.6	13	0	FC19
11	10/4	0850 / 0905	BROOK	22.4	8.21	1.41	0.91	11.6		.5	13	-.02	FC35
12	10/6	1111 / 1123	BROOK-BONADIMAN	22.0	6.98	1.31	0.80	9.1		.5	13	0	"
13	10/9	1250 / 1305	BONADIMAN	22.0	6.35	1.20	0.73	7.6		.6	13	+.02	FC19
14	10/11	1152 / 1206	"	22.3	7.01	1.15	0.82	8.4		.6	13	0	"
15	10/13	0903 / 0918	"	22.5	8.03	1.31	0.86	10.5		.6	13	0	"
16	10/16	0855 / 0912	"	22.5	7.82	1.25	0.86	9.8		.6	13	0	"
17	10/18	1127 / 1140	"	22.9	9.34	1.25	1.03	11.7		.6	10	-.02	"
18	10/20	0926 / 0940	"	22.8	8.88	1.32	1.02	11.7		.6	10	0	"
19	10/24	1400 / 1412	"	22.5	7.54	1.02	1.07	8.1		.6	10	0	"
20	10/31	1044 / 1059	BROOK	23.2	10.2	1.14	1.18	11.6		.5	13	0	FC35
21	12/19	1307 / 1316	BONADIMAN	22.0	6.08	1.20	1.12	7.3		.6	8	0	FC19
22	6/25	1038 / 1052	"	22.8	10.0	1.34	1.08	13.4		.6	10		FC61
23	6/29	0845 / 0855	"	23.0	10.4	1.34	1.11	13.9		.6	8	0	FC19
24	7/3	1300 / 1315	"	22.7	10.2	1.32	1.15	13.5		.6	9	0	FC61
25	7/5	1300 / 1310	"	22.5	9.52	1.02	1.12	9.8		.6	8	0	FC19
26	7/11	1500 / 1510	"	23.0	10.8	1.22	1.16	13.2		.6	8	0	FC61
27	7/16	1032 / 1042	"	23.2	10.9	1.25	1.14	13.6		.6	8	0	"
28	7/18	0938 / 0950	"	22.8	9.95	1.37	1.12	13.6		.6	8	0	"
29	7/25	0930 / 0940	"	22.7	10.4	1.38	1.06	14.3		.6	8	0	"
30	8/2	1325 / 1335	BONADIMAN-SJOSTEDT	22.6	9.76	1.23	1.03	12.0		.6	8	0	FC19
31	8/8	1350 / 1400	BONADIMAN	21.3	9.55	1.24	1.01	11.8		.6	7	0	FC19
32	8/9	1310 / 1320	"	22.6	9.69	1.32	1.00	12.8		.6	8	0	FC61
33	8/15	1330 / 1340	"	22.6	10.2	1.25	1.12	12.8		.6	8	0	"
33A	8/15	1330 / 1340	"	22.6	10.2	1.02	1.12	11.7		.6	8		FC19
34	8/22	0915 / 0925	"	23.3	11.1	1.28	1.12	14.2		.6	9	0	FC61
35	8/28	1125 / 1138	BROOK	23.2	11.4	1.24	1.15	14.2		.5 .6	13	0	FC35
36	9/5	0937 / 0952	PETERSEN	24.0	12.8	1.30		16.7		.6	10		FC55
37	9/12	0920 / 0935	"	23.0	11.7	1.24		14.5		.5 .6	10		"
38	9/19	0910 / 0920	"	22.0	10.2	1.31		13.4		.5	10		"
39	9/26	0925 / 0935	"	22.0	13.1	1.36		17.8		.6	10		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39B-S

AT NEAR Del Amo DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
40	10/3	0900 / 0910	BONADIMAN	22.5	10.4	1.19	1.10	12.4		.6	8	0	FC19
41	10/10	1105 / 1115	"	22.1	9.83	1.14	1.10	11.2		.6	8	0	"
42	10/17	0910 / 0920	"	22.7	8.88	1.22	1.04	10.8		.6	8	0	"
43	10/24	0945 / 0955	"	22.9	10.2	1.12	1.08	11.4		.6	8	0	"
44	10/31	0900 / 0915	"	23.4	11.3	1.33	1.12	15.0		.6	10	0	"
45	11/7	1345 / 1355	"	22.8	9.66	1.10	0.67	10.6		.6	8	0	"
46	11/14	0910 / 0925	"	23.0	10.5	1.14	1.14	12.0		.6	8	0	"
47	11/21	1230 / 1240	"	23.1	10.7	1.18	1.11	12.6		.6	8	0	FC61
48	11/29	1252 / 1305	"	23.0	10.2	1.13	1.12	11.5		.6	8	0	"
49	12/5	1000 / 1010	"	24.0	10.8	1.37	1.18	14.8		.6	8	0	"
50	12/12	0945 / 0955	"	22.7	10.3	1.20	0.94	12.4		.6	8	0	"
51	2/27	1400 / 1410	"	22.5	8.95	1.17	1.09	13.1		.6	8	0	"
52	2/28	1240 / 1250	"	23.0	9.33	1.51	1.10	14.1		.6	8	0	"
53	3/6	1125 / 1140	"	22.8	9.14	1.23	1.12	11.2		.6	11	0	FC19
54	4/25	1140 / 1150	"	22.6	8.31	1.24	1.09	10.3		.6	9	0	FC61
55	5/2	1255 / 1310	"	22.7	8.27	1.19	0.96	9.9		.6	10	0	FC19
56	5/8	0910 / 0920	"	23.3	9.94	1.58	1.16	15.7		.6	9	0	FC61
57	5/8	1515 / 1525	"	22.8	9.14	1.27	1.16	11.6		.6	9	0	FC19
58	5/15	0905 / 0920	"	23.0	9.47	1.41	1.16	13.4		.6	9	0	"
59	5/21	1510 / 1520	"	23.2	9.26	1.48	1.12	13.7		.6	9	0	"
60	5/28	1150 / 1200	"	23.5	11.0	1.57	1.02	17.3		.6	8	0	"
61	5/28	1330 / 1350	"	23.5	11.1	1.56	1.02	17.3		.6	9	0	"
62	6/6	1225 / 1235	"	23.5	10.7	1.27	1.18	13.6		.6	10	0	"
63	6/13	1205 / 1220	"	22.8	8.78	1.40	1.20	12.3		.6	10	0	"
64	6/19	1405 / 1430	"	23.0	9.29	1.41	1.14	13.1		.6	12	0	FC61
65	6/26	0925 / 0937	"	23.5	11.9	1.66	1.18	19.8		.6	10	0	FC19
66	7/2	1440 / 1450	"	23.1	10.2	1.40	0.99	14.3		.6	10	0	"
67	7/10	0930 / 0945	"	23.5	10.8	1.28	0.94	13.8		.6	10	0	"
68	7/17	1010 / 1025	"	23.5	10.6	1.26	0.82	13.4		.6	10	0	"
69	8/29	1155 / 1210	"	23.5	10.5	1.07	1.20	11.2		.6	8	0	"
70	9/11	1300 / 1310	FALCONE	22.0	6.58	1.50		9.9		.5	13		FC61
71	9/13	1120 / 1135	SJOSTEDT	22.5	7.47	1.26		9.4		.5	13	0	FC65
72	9/25	0805 / 0825	"	22.6	7.50	1.28	1.09	9.6		.5	13	+0.03	"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39C-S

AT NEAR below Del Amo Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	10/2	1210 / 1220	BONADIMAN	17.7	0.92	0.45		0.41		.6	6		FC61
2	10/3	1220 / 1230	"	20.2	1.84	0.65		1.2		.6	8		"
3	10/18	1116 / 1124	"	19.0	0.86	0.57		0.49		.6	6		"
4	12/19	1325 / 1335	"	20.4	2.50	0.92		2.3		.5	8		"
5	6/25	1010 / 1020	"					8.3		COMPOSITE			"
6	6/29	0910 / 0920	"					8.4		"			FC19
7	7/3	1340 / 1400	"		CHANNELS		1.15	7.5		.6	16	0	FC61
8	7/5	1325 / 1340	"	38.0	6.05	0.78	1.12	4.7		.6	10	0	"
9	7/11	1435 / 1455	"		CHANNELS		1.16	7.6		.6	17	0	"
10	7/16	1055 / 1105	"	17.0	5.84	1.49	1.14	8.7		.6	7	0	"
11	7/18	1005 / 1015	"	16.5	6.49	1.40	1.12	9.1		.6	8	0	"
12	7/25	1055 / 1105	"	19.0	6.89	1.42	1.06	9.8		.6	8	0	"
13	8/2	1338 / 1348	BONADIMAN-SJOSTEDT	20.7	6.38	1.16	1.03	7.4		.6	8	0	FC19
14	8/8	1410 / 1420	BONADIMAN	20.7	6.13	1.21	1.01	7.4		.6	8	0	"
15	8/9	1242 / 1252	"	10.3	4.27	1.73	1.00	7.4		.6	9	0	"
16	8/15	1410 / 1420	"	19.8	6.50	1.48	1.12	9.6		.6	10	0	FC61
17	8/22	0945 / 0955	"	19.0	5.80	1.69	1.12	9.8		.6	8	0	"
18	8/28	1150 / 1202	BROOK	20.5	6.89	1.28	1.14	8.8		.5 .6	12	-.01	FC35
19	9/5	0916 / 0931	PETERSEN	22.0	12.9	1.09		14.1		.5 .6	10		FC55
20	9/12	0945 / 1000	"	19.3	10.7	1.06		11.4		.5 .6	10		"
21	9/19	0928 / 0938	"	19.0	7.24	1.34		9.7		.5	9		"
22	9/26	0945 / 0955	"	21.0	8.98	1.57		14.1		.5	9		"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER F39C-S

AT NEAR below Del Amo DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
23	10/3	0920 / 0930	BONADIMAN	19.5	7.19	1.22	1.10	8.8		.6	8	0	FC19
24	10/10	1130 / 1140	"	19.5	7.79	1.05	1.10	8.2		.6	8	0	"
25	10/17	0930 / 0940	"	21.0	6.10	1.20	1.04	7.3		.6	8	0	"
26	10/24	1010 / 1020	"	20.0	6.58	1.34	1.08	8.8		.6	8	0	"
27	10/31	0925 / 0935	"	22.0	8.87	1.36	1.12	12.1		.6	9	0	"
28	11/7	1420 / 1430	"	21.3	7.69	1.24	0.67	9.5		.6	8	0	"
29	11/7	1510 / 1525	"	21.0	6.07	1.04	1.10	6.3		.6	9	0	"
30	11/14	0935 / 0945	"	21.0	8.42	1.09	1.14	9.2		.6	8	0	"
31	11/21	1245 / 1255	"	20.5	7.05	1.29	1.11	9.1		.6	8		FC61
32	11/29	1310 / 1320	"	17.5	5.43	1.62	1.12	8.8		.6	8	0	"
33	12/5	1030 / 1040	"	21.0	8.26	1.64	1.18	13.6		.6	8	0	"
34	12/12	1010 / 1020	"	20.8	6.62	1.45	0.94	9.6		.6	8	0	"
35	2/27	1420 / 1430	"	22.0	5.82	0.74	1.09	4.3		.6	7	0	"
36	2/27	1500 / 1515	"		CHANNELS		1.09	4.3		.6	13	0	"
37	2/28	1300 / 1310	"	21.5	6.03	0.80	1.10	4.8		.6	9	0	"
38	3/6	1150 / 1210	"		CHANNELS		1.12	6.3		.6	13	0	"
39	4/25	1255 / 1310	"	26.5	10.5	3.52	1.09	3.7		.6	10	0	"
40	5/2	1320 / 1328	"	10.1	1.53	0.16	0.96	0.25		.6	6	0	FC61
41	5/8	0930 / 0955	"		CHANNELS		1.16	10.8		.6	15	0	"
42	5/8	1535 / 1545	"		"		1.16	11.3		.6	8		FC19
43	5/15	0930 / 0955	"		"		1.16	12.3		.6	17	0	FC61
44	5/21	1525 / 1545	"		"		1.12	12.9		.6	15	0	FC19 FC61
45	5/28	1125 / 1135	"	27.0	20.3	0.83	1.02	16.8		.6	9	0	FC19
46	6/6	1250 / 1325	"		CHANNELS		1.18	11.2		.6	24	0	FC19 FC61
47	6/13	1225 / 1250	"		"		1.20	12.4		.6	21	0	FC19
48	6/19	1440 / 1500	"		"		1.14	11.0		.6	16	0	FC61
49	6/26	0945 / 1020	"		"		1.18	18.8		.6	22	0	FC19 FC61
50	7/2	1500 / 1515	"	11.4	6.23	2.02	0.99	12.6		.6	10	0	FC19
51	7/10	0955 / 1005	"	11.0	6.25	2.16	0.94	13.5		.6	8	0	"
52	7/17	1035 / 1050	"	11.0	5.92	1.96	0.82	11.6		.6	9		"
53	8/29	1220 / 1230	"		CHANNELS		1.20	10.1		.6	9	0	"
54	9/25	0800	SJOSTEDT					0.05		EST.			

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT NEAR above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
850	11/30	1430 / 1434	HYDE	1.0	0.13	0.78		0.10		.5	4		FC60
851	12/7	1130 / 1134	"	1.6	0.32	0.72	1.74	0.23		.5	5	0	"
852	12/14	1120 / 1124	"	2.0	0.32	0.78	1.73	0.25		.5	5	0	"
853	12/21	1110 / 1114	"	2.0	0.30	0.80	1.73	0.24		.5	5	0	"
854	12/28	1322 / 1327	"	1.8	0.27	0.85	1.73	0.23		.5	5		"
855	1/4	1358 / 1402	"	2.0	0.32	0.84	1.73	0.27		.5	5	0	"
856	1/11	1045 / 1049	"	2.0	0.25	0.84	1.74	0.21		.5	5	0	"
857	1/18	1034 / 1040	"	2.0	0.31	0.81	1.74	0.25		.5	5	0	"
858	1/25	1142 / 1146	"	2.2	0.44	1.02	1.76	0.45		.5	5	0	"
859	2/1	1200 / 1205	"	1.3	0.33	1.18	1.75	0.39		.5	5	0	"
860	2/23	1055 / 1105	"	8.5	2.60	2.96	1.91	7.7		.5	8		FC40
861	3/1	1055 / 1105	"	7.0	2.15	2.46	1.79	5.3		.5	9	0	"
862	3/8	1248 / 1258	"	6.5	1.79	2.46	1.74	4.4		.5	8	0	"
863	3/15	1310 / 1320	"	5.0	1.41	2.20	1.70	3.1		.6	7	0	"
864	3/22	1148 / 1154	"	5.5	1.67	1.92	1.64	3.2		.5	6	0	"
865	3/29	1215 / 1225	"	4.6	1.50	2.00	1.64	3.0		.5	7	0	"
866	4/7	1058 / 1105	"	5.0	1.60	1.44	1.62	2.3		.5	6		"
867	4/12	1505 / 1510	"	4.6	1.30	1.38	1.56	1.8		.5	6	0	"
868	4/19	1240 / 1250	"	4.8	1.22	1.23	1.54	1.5		.5	6	0	"
869	4/26	1355 / 1405	"	4.0	1.10	1.09	1.50	1.2		.5	5		"
870	5/3	1350 / 1358	"	4.5	0.99	1.01	1.46	1.0		.5	6	0	"
871	5/10	1148 / 1155	"	5.0	1.08	1.48	1.48	1.6		.5	6		FC60
872	5/16	1114 / 1120	"	5.0	1.32	1.36	1.54	1.8		.5	6	0	"
873	5/24	1145 / 1150	"	4.2	0.85	1.53	1.50	1.3		.5	5	0	"
874	6/1	1115 / 1121	"	4.0	0.65	1.29	1.46	0.84		.5	5	0	"
875	6/7	0955 / 1000	"	4.0	1.06	1.13		1.2		.6	6		"
876	6/14	1136 / 1145	"	8.0	0.83	1.19		0.99		.5	7		"
877	6/21	1145 / 1150	BOUCHER-HYDE	4.0	0.42	0.71		0.30		.5	6		FC40
878	6/28	1248 / 1254	BOUCHER	3.8	0.31	0.58	1.37	0.18		.5	6	0	FC60
879	7/5	1135 / 1141	HYDE	3.0	0.47	0.77	1.39	0.36		.5	5	0	"
880	7/12	1018 / 1023	"	2.5	0.59	0.61		0.36		.5	5		"
881	7/19	1020 / 1030	"	2.0	0.58	0.50		0.29		.5	6		"
882	7/26	0950 / 0956	"	2.0	0.54	0.52		0.28		.5	6		"
883	8/2	1045 / 1049	"	2.0	0.46	0.37		0.17		.5	5		"
884	8/9	1020 / 1025	"	2.0	0.40	0.42		0.17		.5	6		"
885	8/16	0918 / 0922	"	2.0	0.39	0.28		0.11		.5	6		"
886	8/23	0942 / 0947	"	2.0	0.40	0.30		0.12		.5	6		"
887	8/30	1006	BOUCHER					+		EST.			
888	9/20	1036	"					+		EST.			
889	9/27	1010 / 1015	HYDE	2.0	0.38	0.32		0.12		.5	5		FC60

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

AT NEAR above Big Tujunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
890	10/11	1430	HYDE					0.10		EST.			
891	10/25	1315 / 1320	HYDE	1.1	0.14	1.72	1.34	0.24		.5	4		FC60
892	11/1	1355 / 1400	"	1.1	0.11	1.09	1.30	0.12		.5	4	0	"
893	11/8	1335 / 1340	"	1.3	0.14	1.43	1.34	0.20		.5	4	0	"
894	11/15	1425 / 1429	"	1.5	0.16	1.38	1.34	0.22		.5	4	0	"
895	11/21	1400 / 1404	"	1.4	0.19	1.21	1.35	0.23		.5	4	0	"
896	11/29	1021 / 1025	"	1.5	0.20	1.55	1.36	0.31		.5	4	0	"
897	12/6	1330 / 1335	"	1.6	0.21	1.57	1.37	0.33		.5	4	0	"
898	12/13	1406 / 1412	"	1.6	0.24	1.54	1.40	0.37		.5	4	0	"
899	12/20	1124 / 1128	"	1.7	0.24	1.63	1.40	0.39		.5	4	0	"
900	12/27	1420 / 1425	"	1.8	0.32	1.28	1.42	0.41		.5	5	0	"
901	1/3	1335 / 1340	"	2.0	0.32	1.31	1.41	0.42		.5	5	0	"
902	1/10	1126 / 1130	"	1.9	0.31	1.42	1.41	0.44		.5	5	0	"
903	1/17	1315 / 1320	"	1.9	0.31	1.19	1.42	0.37		.5	5	0	"
904	1/24	1434 / 1439	"	2.0	0.32	1.38	1.40	0.44		.5	5	0	"
905	1/31	1125 / 1129	"	2.0	0.34	1.62	1.43	0.55		.5	5	0	"
906	2/7	1400 / 1406	"	2.0	0.32	1.28	1.42	0.41		.5	5	0	"
907	2/14	1425 / 1432	"	4.8	1.57	0.57	1.56	0.89		.5	7		FC58
908	2/21	1410 / 1416	"	3.6	0.99	0.62	1.52	0.61		.5	7	0	FC60
909	2/28	1225 / 1232	"	3.4	0.97	0.49	1.51	0.48		.5	6		"
910	3/7	1354 / 1400	"	3.7	0.98	0.57	1.50	0.56		.5	6		"
911	3/14	1400 / 1406	"	3.5	0.71	0.75	1.50	0.53		.5	6		"
912	3/21	1135 / 1146	"	3.0	0.62	0.61		0.38		.5	7		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
913	4/4	1050 / 1056	"	3.5	0.82	0.56		0.46		.5	5		"
914	4/11	1154 / 1200	"	1.8	0.27	1.33		0.36		.5	5		"
915	4/18	1140 / 1145	BOUCHER	3.4	0.74	0.61	1.54	0.45		.5	5		"
916	4/25	1055 / 1100	HYDE	1.8	0.25	1.04		0.26		.5	5		"
917	5/2	1318 / 1323	BOUCHER	1.8	0.24	1.08		0.26		.5	5		"
918	5/9	1115 / 1120	HYDE	1.9	0.28	0.86		0.24		.5	5		"
919	5/16	1248 / 1252	"	1.5	0.20	0.85		0.17		.5	4		"
920	5/23	1415 / 1420	"	1.8	0.25	1.52		0.38		.5	5		"
921	5/31	1310 / 1315	"	1.6	0.14	0.86		0.12		.5	4		"
922	6/6	1132 / 1138	"	1.9	0.20	1.35		0.27		.5	5		"
923	6/13	1440 / 1446	"	1.5	0.16	1.25		0.20		.5	4		"
924	6/20	1030 / 1035	"	1.4	0.09	0.67		0.06		.5	4		"
925	6/25	1320 / 1325	"	0.9	0.06	0.50		0.03		.5	4		"
926	7/2	1618 / 1620	MC BRIDE	1.5	0.10	0.60		0.06		.5	4		FC49
927	7/11	0920 / 0924	HYDE	1.1	0.08	0.62		0.05		.5	4		FC60
928	7/18	1030	"					+		EST.			
929	9/19	1335	WOOD					+		EST.			
930	9/26	1335	WOOD					+		EST.			

DISCHARGE MEASUREMENTS OF PACOIMA WASH F196-S

AT NEAR Maclay Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
92	2/14	1604 / 1624	HYDE-BOUCHER	31.0	25.8	5.47		141.		.5 / .6	19		FC58
93	2/26	1550 / 1625	HYDE	31.0	30.4	3.32		101.		.6	19		FC40
94	2/28	1042 / 1103	HYDE-BARR	28.0	31.2	3.20		100.		.6	19		"
95	3/6	1120 / 1136	HYDE	12.6	7.50	1.28		9.6		.6	13		"
96	3/8	1555 / 1605	"	15.4	10.3	1.76		18.1		.6	12		"
97	3/14	0925 / 0931	"	3.0	0.78	1.19		0.93		.5	7		FC60
98	4/3	1319 / 1347	"	32.0	37.5	3.52		132.		.6	20		FC40
99	8/14	1345 / 1353	HYDE-BARR	10.1	1.98	2.68		5.3		.5	10		FC60
100	8/22	1500 / 1510	BOUCHER-HYDE	5.0	0.80	1.62		1.3		.5	7		FC40
101	8/30	1627 / 1638	BOUCHER	5.2	2.33	2.23		5.2		.5 / .6	8		FC6

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F196-S

AT NEAR Maclay Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
102	9/25	1530 / 1542	WOOD	11.3	4.81	2.45		11.8		.5 / .6	13		FC57
103	9/27	1030 / 1043	"	10.5	5.37	2.57		13.8		.5 / .6	12		"

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F289-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
271	2/20	1502 / 1508	WHISLER-STRINGER	8.0	2.34	2.82		6.6		.5	8		FC41
272	8/15	1430 / 1432	WHISLER	1.3	0.08	0.65		0.06		.5	4		FC59
273	8/30	1252 / 1255	PETERSEN	0.70	0.04	0.50		0.02		.5	3		"
274	9/12	1432 / 1434	WHISLER	1.2	0.06	0.67		0.04		.5	4		"

DISCHARGE MEASUREMENTS OF SAND ROCK CREEK F289-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
275	10/9	1345 / 1348	WHISLER	1.2	0.08	0.63		0.05		.5	5		FC59
276	10/24	1250	"					0.05		EST.			
277	11/7	1205	"					0.05		EST.			
278	11/21	1254 / 1256	"	1.3	0.12	0.75		0.09		.5	5		FC59
279	12/5	1240	"					0.10		EST.			
280	12/12	1128 / 1130	"	1.6	0.16	0.69		0.11		.5	5		FC59
281	12/19	1300 / 1302	"	1.5	0.14	0.79		0.11		.5	5	0	"
282	12/26	1200	"					0.12		EST.			
283	1/2	1150 / 1152	"	1.5	0.12	1.08		0.13		.5	4		FC59
284	1/9	1234 / 1236	"	1.6	0.16	0.81		0.13		.5	4		"
285	1/16	1150 / 1152	"	1.8	0.14	1.29		0.18		.5	4		"
286	1/23	1125 / 1138	"	2.0	0.26	0.69		0.18		.5	5		"
287	1/30	1116 / 1119	"	1.7	0.13	1.15		0.15		.5	5		"
288	2/6	1213 / 1215	"	2.0	0.22	1.00		0.22		.5	5		"
289	2/13	1236 / 1238	"	1.6	0.15	0.93		0.14		.5	5		"
290	2/20	1315	"					0.14		EST.			
291	2/27	1148 / 1150	"	2.0	0.16	0.50		0.08		.5	5		FC59
292	3/6	1231 / 1233	"	1.8	0.13	0.92		0.12		.5	4		"
293	3/13	1100 / 1102	"	1.8	0.12	1.00		0.12		.5	4		"
294	3/20	1345 / 1347	"	2.0	0.16	0.75		0.12		.5	5		"
295	3/27	1154 / 1156	"	1.5	0.12	0.83		0.10		.5	4		"
296	4/3	1255	"					0.10		EST.			
297	4/10	1212 / 1214	"	1.4	0.10	1.40		0.14		.5	4		FC59
298	4/17	1142 / 1144	"	1.5	0.12	1.08		0.13		.5	5		"
299	4/24	1255	"					0.12		EST.			
300	5/1	1338 / 1341	BOUCHER-WHISLER	1.4	0.12	0.83		0.10		.5	5		FC57
301	5/8	1106 / 1108	WHISLER	1.6	0.14	0.86		0.12		.5	5		"
302	5/15	1220	"					0.10		EST.			
303	5/22	1225	"					0.06		EST.			
304	5/29	1157 / 1159	"	1.4	0.08	0.63		0.05		.5	4		"
305	6/6	1240	"					0.04		EST.			
306	6/19	1225	"					0.02		EST.			
307	6/26	1430	BOUCHER					0.02		EST.			
308	7/10	1500	"					0.02		EST.			
309	7/24	1200	WHISLER-MAYFIELD					+		EST.			
310	9/4	1300	WHISLER					0					
311	9/18	1345	"					0.03		EST.			
312	9/25	1345	"					0.02		EST.			

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
53	1/18	1550 / 1600	WOOD	4.0	1.91	0.48		0.91		.5 / .6	11		FC53
54	4/5	1515 / 1521	"	1.5	0.65	1.35		0.88		.5	7		"
55	4/5	1538 / 1544	"	1.5	0.65	1.40		0.91		.5	7		"
56	4/12	1626 / 1634	"	1.5	0.59	1.39		0.82		.5	8		"
57	4/19	1410 / 1417	"	1.5	0.58	1.31		0.76		.5	6		"
58	4/20	1004 / 1010	"	1.5	0.57	1.16		0.66		.5	6		"
59	5/3	1535 / 1541	"	1.5	0.55	1.11		0.61		.5	7		"
60	5/10	1525 / 1533	"	1.5	0.58	1.00		0.58		.5	7		"
61	5/18	1000 / 1006	"	1.5	0.59	0.98		0.58		.5	7		"
62	5/24	1544 / 1550	"	1.5	0.58	1.05		0.61		.5	7		"
63	6/1	1000 / 1006	"	1.5	0.59	1.05		0.62		.5	7		"
64	6/7	1558 / 1603	"	1.5	0.58	0.98		0.57		.5	7		"
65	6/14	1532 / 1540	"	1.5	0.58	0.98		0.57		.5	7		"
66	6/21	1230 / 1238	BROOK-WOOD	1.5	0.58	1.00		0.58		.5	7		"
67	9/7	1022 / 1029	WOOD-MC BRIDE	1.5	0.25	2.52		0.63		.5	7		"
68	9/14	0841 / 0845	WOOD	1.5	0.23	2.61		0.60		.5	7		"
69	9/20	1453 / 1457	"	1.5	0.24	2.62		0.63		.5	7		"
70	9/27	1539 / 1546	"	1.5	0.72	0.74		0.53		.5	7		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F208-S

AT NEAR below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
71	10/4	1547 / 1554	WOOD	1.5	0.72	0.67		0.48		.5	7		FC53
72	10/18	1443 / 1449	"	1.5	0.60	0.88		0.53		.5	7		"
73	10/24	1455 / 1500	"	1.5	0.58	0.88		0.51		.5	7		"
74	11/1	1500 / 1505	"	1.5	0.58	0.88		0.51		.5	7		"
75	11/8	1502 / 1508	"	1.5	0.58	0.90		0.52		.5	7		"
76	11/21	1555 / 1600	"	1.5	0.58	0.90		0.52		.5	7		"
77	11/29	1424 / 1430	"	1.5	0.58	0.88		0.51		.5	7		"
78	12/20	1535 / 1542	"	1.5	0.60	0.80		0.48		.5	7		"
79	12/27	1520 / 1527	"	1.5	0.60	0.75		0.45		.5	7		"
80	1/3	1452 / 1457	"	1.5	0.60	0.73		0.44		.5	7		"
81	2/7	1517 / 1523	"	1.5	0.60	0.70		0.42		.5	7		"
82	3/14	1500 / 1505	"	1.0	0.14	0.86		0.12		.5	6		"
83	4/4	1512 / 1518	"	1.5	0.74	1.35		1.0		.5	7		"
84	4/11	1551 / 1558	"	1.5	0.72	1.32		0.95		.5	7		"
85	4/25	0954 / 1001	"	1.5	0.70	1.10		0.77		.5	7		"
86	5/9	1515 / 1520	"	1.5	0.70	1.13		0.79		.5	7		"
87	5/31	1534 / 1540	"	1.5	0.70	1.00		0.70		.5	7		"
88	6/20	1502 / 1508	"	1.5	0.70	1.06		0.74		.5	7		"
89	7/11	1205 / 1211	"	1.5	0.65	1.15		0.75		.5	7		"
90	8/1	1050 / 1055	PETERSEN-WOOD	1.5	0.70	1.20		0.84		.5	7		"
91	8/15	0905 / 0915	FALCONE	2.0	0.51	1.96		1.0		.5	11		FC58
92	9/10	1510 / 1515	WOOD	1.0	0.11	1.27		0.14		.5	5		FC53
93	9/19	0840 / 0845	BROOK	1.4	0.23	0.26		0.06		.5	6		FC60
94	9/26	1613 / 1618	"	1.4	0.17	1.00		0.17		.5	8	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - MAIN SPREADING CANAL F100-S

AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
190	11/30	1535 / 1550	WOOD	13.0	7.71	1.10	1.02	8.5		.5/.6	14		FC57
191	12/8	0837 / 0855	"	14.8	13.6	2.43	1.52	33.0		.6	16		"
192	12/14	1541 / 1603	"	14.4	13.6	2.33	1.50	31.6		.6	15		"
193	12/21	1557 / 1610	WOOD-GARTNER	14.5	12.5	2.38		29.7		.5/.6	15		"
194	12/27	1248 / 1300	WOOD	10.8	3.84	1.20	0.76	4.6		.5/.6	12		FC53
195	1/4	1606 / 1625	"	14.1	9.84	1.89	1.22	18.5		.5/.6	15		FC57
196	1/10	1522 / 1539	FRAZELLE-WOOD	14.0	8.07	1.44	1.09	11.6		.5/.6	15		"
197	1/18	1447 / 1503	WOOD	13.6	7.55	1.37	1.14	10.3		.5/.6	15	0	"
198	1/26	0924 / 0945	"	14.5	15.5	2.37	1.68	36.8		.6	16		"
199	2/1	1546 / 1607	"	15.0	12.0	2.22	1.50	26.7		.5/.6	16		"
200	3/14	1444 / 1457	"	14.7	20.6	2.88	1.96	59.6		.6	12		"
201	3/22	1505 / 1517	"	16.1	23.3	2.86	2.08	66.6		.6	17		"
202	3/30	0923 / 0937	"	11.6	22.3	2.24	1.94	50.0		.6	11	0	FC34
203	4/12	1550 / 1608	"	15.1	20.6	1.88	1.96	38.7		.6	16	0	FC57
204	4/19	1550 / 1609	"	14.5	21.0	1.81	2.02	38.0		.6	16		"
205	4/26	1630 / 1700	FALCONE	11.8	24.2	1.68	2.09	40.7		.6	14		FC24
206	5/3	1611 / 1628	WOOD	15.7	21.5	2.22	2.00	47.8		.6	12		FC57
207	5/10	1606 / 1620	"	15.1	19.8	2.22	1.90	43.9		.6	16		"
208	5/18	1048 / 1103	"	15.1	20.1	2.33	1.86	46.8		.6	18	0	"
209	5/24	1618 / 1632	"	15.9	19.7	2.36	1.86	46.3		.6	17	0	"
210	6/1	1039 / 1054	"	15.4	20.2	2.28	1.86	46.1		.5/.6	13	0	"
211	6/14	1612 / 1627	"	15.7	21.5	2.20	2.04	47.4		.6	12		"
212	6/21	1338 / 1356	BROOK-WOOD	16.8	22.3	1.76	2.12	39.3		.6	13	0	"
213	6/28	1613 / 1630	WOOD	16.1	22.4	1.58	2.21	35.5		.6	14	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL - MAIN SPREADING CANAL F100-S

AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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	7/6	1310 / 1324	BROOK	16.5	20.7	1.88	2.12	39.0		.6	11		"
215	7/12	0919 / 0935	WOOD-FRAZELLE	16.0	20.5	1.91	2.05	39.1		.5	15		"
216	7/20	0927 / 0956	WOOD-BROOK	27.3	21.7	1.66		36.0		.6	25		"
217	8/2	1008 / 1024	WOOD	27.0	21.9	1.88		41.1		.6	16		"
218	8/6	0932 / 0949	"	26.0	21.3	1.83		39.0		.5/.6	15		"
219	8/9	1051 / 1110	"	16.1	19.1	2.56	1.78	48.8		.6	16	0	"
220	8/16	1303 / 1318	"	15.6	18.5	2.70	1.76	49.9		.6	14	0	"
221	8/23	1058 / 1114	"	15.6	18.5	2.56	1.76	47.3		.5/.6	14	0	"
222	9/7	0817 / 0932	WOOD-MC BRIDE	15.6	18.8	2.81	1.78	52.9		.6	14	0	"
223	9/20	1600 / 1615	WOOD	15.5	18.3	2.74	1.78	50.2		.6	14	0	"

NOTE: SEE MISCELLANEOUS MEASUREMENTS AT SAN GABRIEL CANYON SPREADING GROUNDS BYPASS CHANNEL. (RETURN TO RIVER)

DISCHARGE MEASUREMENTS OF SAN GABRIEL - MAIN SPREADING CANAL F100-S

AT NEAR Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
224	10/18	1535 / 1551	WOOD	16.2	18.9	2.58	1.78	48.7		.6	14	0	FC57
225	10/24	1542 / 1600	"	15.7	19.3	2.72	1.78	52.5		.6	14	0	"
226	11/8	1547 / 1600	"	12.5	7.05	1.38	0.84	9.7		.5/.6	12	0	"
227	11/16	1122 / 1131	"	11.5	6.19	1.28	0.78	7.9		.6	10	0	"
228	11/29	1548 / 1559	"	13.0	9.14	1.62	1.07	14.8		.5/.6	11	0	"
229	12/6	1248 / 1300	"	13.6	9.51	1.75	1.03	16.6		.5/.6	12	0	"
230	12/13	1607 / 1618	"	14.0	8.97	1.69	0.92	15.2		.5/.6	12	0	"
231	12/27	1607 / 1618	"	13.1	8.00	1.74	0.98	13.9		.5/.6	11	0	"
232	1/3	1530 / 1542	"	14.0	8.73	1.67	0.98	14.6		.5/.6	12	0	"
233	1/10	1603 / 1615	"	14.1	10.5	1.67	1.08	17.5		.5/.6	12	0	"
234	1/17	1550 / 1602	"	14.2	9.18	1.47	1.00	13.5		.5/.6	12	0	"
235	1/24	1540 / 1552	"	14.0	9.51	1.37	0.98	13.0		.5/.6	12	0	"
236	2/7	1555 / 1607	"	10.4	5.61	0.61	0.56	3.4		.5/.6	12	0	"
237	3/14	1538 / 1553	"	13.2	15.4	1.90	1.40	29.2		.6	15	0	"
238	3/21	1527 / 1545	"	13.1	16.1	1.88	1.44	30.3		.5/.6	15	0	"
239	4/4	1557 / 1612	"	12.5	13.0	1.53	1.16	19.9		.6	14	0	"
240	4/18	1530 / 1543	"	12.8	13.6	1.70	1.22	23.1		.6	14	0	"
241	4/25	1027 / 1040	"	12.7	12.4	1.48	1.12	18.3		.6	14	0	"
242	5/9	1551 / 1606	"	13.0	12.6	1.46	1.14	18.4		.6	14	0	"
243	5/16	1545 / 1600	"	13.0	13.5	1.33	1.18	18.0		.6	14	0	"
244	5/23	1553 / 1606	"	13.0	14.0	1.30	1.20	18.2		.6	14	0	"
245	6/6	1555 / 1612	"	12.8	14.0	1.24	1.22	17.3		.5	14		"
246	6/20	1538 / 1553	"	13.0	15.9	1.08	1.32	17.2		.6	14	0	"
247	7/11	1247 / 1256	"	12.0	13.2	1.47	1.40	19.4		.6	13	0	"
248	7/18	1255 / 1308	"	12.2	12.4	1.46	1.38	18.1		.6	13	0	"
249	8/1	1010 / 1027	PETERSEN-WOOD	14.0	13.2	1.43		18.9		.6	14	0	"
250	8/14	1323 / 1338	PETERSEN	13.0	10.8	1.13		12.2		.5/.6	14		"
251	8/21	1027 / 1040	WOOD	12.0	11.2	1.18	1.38	13.2		.6	13	0	"
252	9/12	0750 / 0800	BROOK	14.4	9.57	0.69	1.10	6.6		.5/.6	11		FC40
253	9/19	0750 / 0802	"	15.0	10.8	1.32		14.2		.5/.6	11	0	"
254	9/26	0802 / 0812	"	15.6	12.9	1.53	1.59	19.7		.5/.6	11	0	FC40

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT NEAR Nogales Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
91	10/17	1640 / 1645	SARASUA	3.0	2.02	1.04	0.20	2.1		.6	7	0	FC49
92	11/2	1215 / 1220	"	3.0	1.43	1.26	0.23	1.8		.6	7	0	"
93	11/16	1545 / 1550	"	4.0	2.47	1.50	0.30	3.7		.6	6	0	"
94	12/19	1405 / 1415	"	11.0	4.95	1.33	0.38	6.6		.6	13	0	"
95	12/27	1630 / 1642	MC BRIDE	9.5	4.62	1.56		7.2		.5 / .6	9		FC33
96	1/4	1135 / 1144	SARASUA	7.0	2.09	1.10	0.18	2.3		.5	10	0	FC49
97	1/8	1525 / 1530	"	6.5	3.39	1.38	0.02	4.7		.6	8	0	"
98	1/18	1615 / 1620	"	7.5	2.58	1.67	0.02	4.3		.5	10	0	"
99	1/31	1510 / 1520	"	6.5	3.01	2.09	0.21	6.3		.6	10	0	"
100	3/8	1500 / 1510	"	12.5	4.11	1.29	0.55	5.3		.6	8	0	FC43
101	4/4	1630 / 1640	"	9.5	4.25	1.58	0.55	6.7		.6	11		FC49
102	4/12	1640 / 1650	"	9.0	3.73	1.26	0.40	4.7		.6	10		"
103	5/3	1010 / 1015	"	8.5	3.40	1.12	0.35	3.8		.6	10	0	"
104	5/10	1440 / 1450	"	10.0	3.36	0.86	0.30	2.9		.6	11		"
105	5/24	1030 / 1035	"	10.0	2.56	1.17	0.30	3.0		.6	7	0	"
106	5/29	1515 / 1525	"	8.5	3.11	1.35	0.39	4.2		.6	10		"
107	6/7	1646 / 1656	MC BRIDE	8.0	3.57	1.46		5.2		.6	10		"
108	6/28	0940 / 0945	SARASUA	8.0	2.56	0.94	0.24	2.4		.6	10	0	"
109	7/5	1040 / 1045	"	4.5	2.07	0.87	0.20	1.8		.6	6	0	"
110	7/12	1145 / 1150	"	4.8	2.02	1.09	0.27	2.2		.6	7	0	"
111	7/19	0935 / 0945	"	5.5	2.57	1.01	0.30	2.6		.6	8		"
112	7/26	0940 / 0945	"	6.0	2.54	0.91	0.31	2.3		.6	7	0	"
113	8/9	1045 / 1055	SARASUA-BROOK	5.7	2.14	0.65	0.22	1.4		.6	9	0	"
114	8/16	1318 / 1325	BROOK	5.6	2.38	0.76	0.25	1.8		.5 / .6	10		"
115	8/30	0925 / 0930	SARASUA	5.0	2.80	0.86	0.40	2.4		.6	8	0	"
116	9/6	0940 / 0950	"	6.0	2.47	0.73	0.62	1.8		.6	7	0	"
117	9/13	1100 / 1105	"	4.0	1.18	0.58	0.88	0.68		.6	6		"
118	9/20	1645 / 1650	"	4.0	2.19	0.96	1.14	2.1		.6	7	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK F306-S

AT NEAR Nogales Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
119	10/4	1005 / 1010	SARASUA	5.0	2.61	0.96	1.02	2.5		.6	6	0	FC49
120	10/18	1145 / 1150	"	4.0	1.90	1.05	1.08	2.0		.6	5	0	"
121	10/25	1255 / 1300	"	4.0	2.31	1.17	1.16	2.7		.6	7	0	"
122	11/1	1010 / 1015	"	4.0	1.92	0.89	0.86	1.7		.6	6	0	"
123	11/8	1300 / 1305	"	5.0	2.79	1.33	0.97	3.7		.6	6	0	"
124	11/15	1045 / 1050	"	4.0	1.53	0.78		1.2		.6	6		"
125	12/6	0940 / 0945	MC BRIDE	1.6	0.59	0.61		0.36		.6	5		"
126	12/12	1555 / 1600	SARASUA	3.5	1.83	1.20	0.69	2.2		.6	7	0	"
127	12/27	1550 / 1600	"	3.0	0.95	0.95	0.59	0.90		.6	6	0	"
128	1/3	1026 / 1034	SARASUA-MC BRIDE	3.5	1.25	0.70	0.52	0.87		.6	7	0	"
129	1/8	0850 / 0855	SARASUA	4.5	2.28	1.05	0.91	2.4		.6	9		"
130	1/23	1005 / 1010	"	4.5	2.58	1.43	0.74	3.7		.6	6	0	"
131	2/7	0850 / 0855	"	7.0	3.30	1.33	0.55	4.4		.6	8	0	"
132	2/21	0940 / 0950	"	4.5	2.01	2.19	0.68	4.4		.6	7	0	"
133	2/28	1030 / 1035	"	5.5	1.12	1.07	0.38	1.2		.6	7	0	"
134	3/14	1100 / 1105	"	4.0	1.36	0.72	0.25	0.98		.6	7	0	"
135	3/20	1620 / 1630	"	4.5	1.71	1.11	0.29	1.9		.6	7	0	"
136	4/2	0805 / 0810	"	8.0	2.83	1.80	0.46	5.1		.6	7	0	"
137	4/18	1545 / 1555	"	8.5	3.64	1.46	0.55	5.3		.6	8	0	FC54
138	4/25	0950 / 1000	"	7.0	2.68	1.75	0.45	4.7		.6	9	0	FC49
139	5/2	1000 / 1010	"	5.0	2.99	1.50	0.23	4.5		.6	6	0	"
140	5/9	0914 / 0921	SARASUA-ROY	6.3	2.65	1.66	0.24	4.4		.6	8		"
141	5/16	0920 / 0925	SARASUA	7.0	3.41	2.11	0.30	7.2		.6	8	0	"
142	5/23	0940 / 0950	"	5.0	1.90	1.89	0.22	3.6		.6	6	0	"
143	5/29	1005 / 1015	"	5.5	1.94	1.75	0.19	3.4		.6	7	0	"
144	6/6	0940 / 0950	"	5.6	1.88	2.12	0.24	4.0		.6	7	0	"
145	6/19	0820 / 0825	"	6.0	2.10	1.57	0.22	3.3		.6	7	0	"
146	7/11	0950 / 1000	MC BRIDE	6.0	2.14	1.40	0.25	3.0		.5 / .6	8	0	"
147	7/25	1610 / 1615	SARASUA	4.5	1.85	0.97	0.22	1.8		.6	6	0	"
148	8/7	1050 / 1055	"	5.0	2.07	1.11	0.19	2.3		.6	8	0	"
149	8/15	0915 / 0928	MC BRIDE	6.5	3.06	1.04	0.26	3.2		.5 / .6	9	0	"
150	8/29	1140 / 1150	SARASUA	4.0	1.62	0.93	0.20	1.5		.6	7	0	"
151	9/5	1845 / 1855	"	4.5	2.30	1.96	0.37	4.5		.5	7	0	"
152	9/12	1415 / 1422	ROY	6.0	1.77	1.75	0.31	3.1		.5 / .6	7	0	FC52
153	9/13	1525 / 1530	SARASUA	4.0	1.98	1.92	0.28	3.8		.6	6	0	FC49
154	9/26	1005 / 1010	"	5.0	1.76	1.14	-0.03±	2.0		.5	8	0	"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT NEAR above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
733	10/4	1350 / 1400	SJOSTEDT	2.5	0.34	1.32		0.45		.5	6		FC50
734	10/11	1550 / 1600	"	2.5	0.35	1.29		0.45		.5	6		"
735	10/19	1125 / 1135	"	2.5	0.31	1.29		0.40		.5	6		"
736	10/26	1635 / 1645	"	2.5	0.33	1.33		0.44		.5	6		"
737	11/2	1115 / 1125	"	2.5	0.32	1.28		0.41		.5	6		"
738	11/9	1216 / 1222	PETERSEN	3.0	1.10	0.40		0.44		.5 / .6	7		"
739	11/16	1510 / 1520	SJOSTEDT	2.5	0.29	1.10		0.32		.5	6		"
740	11/30	1615 / 1625	"	2.0	0.27	2.15		0.58		.5	6		"
741	12/7	1630 / 1640	"	2.5	0.40	1.22		0.49		.5	6		"
742	12/14	1505 / 1510	"	3.0	0.58	1.57		0.91		.5	6		FC65
743	12/21	1530 / 1540	"	3.0	0.46	1.39		0.64		.5	5		FC50
744	12/28	1530 / 1540	"	2.5	0.40	1.27		0.51		.5	6		"
745	1/4	1535 / 1545	"	2.5	0.39	1.28		0.50		.5	6		"
746	1/11	1610 / 1620	"	2.0	0.26	2.30		0.60		.5	5		"
747	1/18	1605 / 1615	"	2.0	0.32	1.31		0.42		.5	5		"
748	2/1	0850 / 0900	"	2.5	0.31	1.74		0.54		.5	6		"
749	3/1	1815 / 1830	"	7.5	2.13	3.19		6.8		.5	9		FC29
750	3/15	1440 / 1450	"	6.0	1.55	2.13		3.3		.5	7		"
751	3/22	1400 / 1416	"	4.3	1.35	2.15		2.9		.5	6		"
752	3/29	1545 / 1555	MAYFIELD-SJOSTEDT	4.5	1.11	2.25		2.5		.5	6		"
753	4/12	1415 / 1430	SJOSTEDT	4.0	1.05	1.52		1.6		.5	6		"
754	4/19	1600 / 1610	"	5.0	1.00	1.60		1.6		.5	6		"
755	5/3	0845 / 0855	"	5.0	1.22	1.88		2.3		.5	6		"
756	5/10	1645 / 1655	"	5.0	1.32	1.52		2.0		.5	6		FC65
757	5/24	1635 / 1645	"	4.5	1.38	0.70		0.96		.5	6		FC50
758	5/31	1330 / 1340	"	4.0	1.19	2.52		3.0		.5	5		"
759	6/7	0840 / 0850	"	6.5	1.41	1.98		2.8		.5	8		"
760	6/14	1610 / 1620	"	4.0	1.18	2.37		2.8		.5	6		"
761	6/21	1620 / 1630	"	4.0	1.14	2.46		2.8		.5	6		"
762	6/28	1600 / 1605	"	2.4	0.86	2.33		2.0		.5	6		"
763	7/5	1530 / 1540	"	2.5	0.69	2.18		1.5		.5	6		"
764	7/12	0855 / 0905	"	3.5	0.81	2.47		2.0		.5	8		"
765	7/19	1600 / 1610	"	6.5	1.04	1.73		1.8		.5	7		"
766	8/1	1625 / 1635	"	3.5	0.88	2.16		1.9		.5	5		"
767	8/9	1600 / 1610	"	2.1	0.70	2.00		1.4		.5	5		"
768	8/16	1330 / 1335	"	2.0	0.68	2.06		1.4		.5	5		"
769	8/23	1120 / 1130	"	2.0	0.65	1.85		1.2		.5	5		"
770	8/30	1330 / 1335	"	2.0	0.68	1.91		1.3		.5	5		"
771	9/6	1625 / 1630	"	2.0	0.66	1.81		1.2		.5	5		"
772	9/13	1530 / 1540	"	2.0	0.71	1.69		1.2		.5	5		"
773	9/20	1610 / 1620	"	2.0	0.70	1.71		1.2		.5	5		"
774	9/27	1530 / 1540	"	2.0	0.69	1.60		1.1		.5	5		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT NEAR above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
775	10/4	1610 / 1620	SJOSTEDT	2.0	0.62	1.77		1.1		.5	5		FC50
776	10/11	1610 / 1620	"	2.0	0.59	1.66		0.98		.5	5		"
777	10/18	0925 / 0935	"	2.5	0.49	2.24		1.1		.5	6		"
778	10/25	0820 / 0830	"	2.5	0.44	2.18		0.96		.5	6		"
779	11/1	0850 / 0900	"	2.5	0.46	2.04		0.94		.5	6		"
780	11/8	0840 / 0850	"	2.0	0.30	2.26		0.68		.5	5		"
781	11/15	1400 / 1412	"	2.5	0.44	1.95		0.86		.5	6		"
782	11/21	0833 / 0842	PETERSEN	2.5	0.47	1.79		0.84		.5	6		"
783	11/29	0815	"					0.80		EST.			
784	12/6	0900	SJOSTEDT					1.0		EST.			
785	12/13	1510 / 1515	"	3.5	0.29	3.17		0.92		.5	7		FC50
786	12/20	1230 / 1240	"	3.0	0.38	3.16		1.2		.5	7		"
787	12/26	1530 / 1540	"	3.0	0.46	2.39		1.1		.5	7		"
788	1/3	1355 / 1400	"	3.5	0.47	3.40		1.6		.5	8		"
789	1/10	1530 / 1540	"	5.0	1.06	1.23		1.3		.5	6		"
790	1/18	0922 / 0932	PETERSEN	5.5	0.64	2.66		1.7		.5	7		"
791	1/24	1515 / 1530	SJOSTEDT	4.5	0.51	1.94		0.99		.5	10		"
792	1/31	1105	"					5.0		EST.			
793	2/7	0910 / 0920	"	3.5	1.18	1.19		1.4		.5	8		FC50
794	2/14	0935 / 0945	"	4.0	0.36	3.33		1.2		.5	5		"
795	2/21	1355 / 1400	"	4.0	0.34	5.58		1.9		.5	5		"
796	2/28	0905 / 0915	"	4.0	0.36	3.61		1.3		.5	5		"
797	3/7	0930 / 0940	"	4.0	0.40	3.25		1.3		.5	5		"
798	3/14	0910 / 0915	"	4.0	0.34	4.71		1.6		.5	5		"
799	3/21	1010	"					1.5		EST.			
800	4/4	1615	"					1.2		"			
801	4/12	0810 / 0820	"	4.0	0.37	3.78		1.4		.5	5		FC50
802	4/18	1610	"					1.2		EST.			
803	4/25	1550 / 1555	"	4.0	0.38	2.63		1.0		.5	5		FC50
804	5/2	1115 / 1120	PETERSEN	4.5	0.34	2.80		0.95		.5	5		"
805	5/9	1540 / 1550	SJOSTEDT	4.0	0.38	3.16		1.2		.5	5		"
806	5/16	1000 / 1010	"	5.0	0.58	2.24		1.3		.5	6		"
807	5/23	1300	"					1.2		EST.			
808	5/29	1705 / 1715	"	6.0	0.74	2.16		1.6		.5	7		FC50
809	6/6	1000 / 1010	"	5.0	0.49	2.86		1.4		.5	6		"
810	6/13	1120 / 1130	"	4.0	0.40	3.75		1.5		.5	5		"
811	6/20	1110 / 1120	"	4.0	0.51	2.74		1.4		.5	5		"
812	6/27	1230 / 1240	"	5.5	0.72	2.08		1.5		.5	7		"
813	7/3	1120 / 1130	"	7.0	0.90	1.67		1.5		.5	8		"
814	7/11	1630	"					1.5		EST.			
815	7/18	1110 / 1120	"	4.0	0.33	4.24		1.4		.5	5		FC50
816	7/25	1420 / 1430	"	4.0	0.55	1.82		1.0		.5	6		"
817	8/1	1535 / 1545	"	5.0	1.18	1.27		1.5		.5	7		"
818	8/8	1315 / 1320	"	4.0	0.41	4.14		1.7		.5	5		"
819	8/15	1005 / 1009	PETERSEN	4.0	0.35	3.14		1.1		.5	5		"
820	8/21	1540 / 1550	SJOSTEDT	4.0	0.36	3.33		1.2		.5	5		"
821	8/29	1050 / 1100	PETERSEN-FALCONE	5.0	0.51	2.35		1.2		.5	6		"
822	9/5	1240 / 1243	FALCONE	4.3	0.34	4.12		1.4		.5	5		FC61
823	9/12	1406 / 1408	"	4.7	0.49	4.90		2.4		FLOATS	5		
824	9/18	1300 / 1305	"	3.2	0.36	4.17		1.5		.5	5		FC61
825	9/26	1150 / 1155	SJOSTEDT	5.0	0.82	1.46		1.2		.5	6		FC50

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S

AT NEAR below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
1	8/8	1325 / 1335	SJOSTEDT	5.8	1.33	1.88		2.5		.5	7		FC50

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 62

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.
364	11/21	1555 / 1559	FALCONE	7.0	0.61	0.49		0.30		.5	3		FC59
365	1/17	1300 / 1302	WHISLER	1.2	0.07	0.24		0.02		.5	4		"
366	1/31	1240 / 1242	"	1.4	0.09	0.33		0.03		.5	4		"
367	2/28	1320 / 1322	"	2.4	0.16	0.25		0.04		.5	4		"

DISCHARGE MEASUREMENTS OF VALYERMO RANCH SPRINGS CREEK F291-S

AT NEAR Valyermo Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATINGS	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
368	12/12	1150	WHISLER					0.03		EST.			
369	12/19	1325	"					0.05		EST.			
370	12/26	1225	"					0.05		EST.			
371	1/2	1226 / 1230	"	2.0	0.26	0.31		0.08		.5	5		FC59
372	1/9	1250 / 1253	"	2.0	0.28	0.29		0.08		.5	5		"
373	1/16	1212 / 1214	"	2.0	0.32	0.28		0.09		.5	5		"
374	1/23	1140 / 1142	"	2.0	0.34	0.24		0.08		.5	5		"
375	1/30	1138 / 1141	"	2.0	0.32	0.25		0.08		.5	5		"
376	2/6	1228 / 1230	"	2.0	0.32	0.25		0.08		.5	5		"
377	2/13	1300 / 1303	"	2.0	0.35	0.29		0.10		.5	5		"
378	2/20	1330 / 1333	"	2.0	0.32	0.28		0.09		.5	5		"
379	2/27	1210 / 1214	"	2.0	0.31	0.26		0.08		.5	5		"
380	3/6	1252 / 1255	"	2.0	0.30	0.27		0.08		.5	5		"
381	3/13	1113 / 1115	"	2.0	0.35	0.29		0.10		.5	5		"
382	3/20	1230 / 1233	"	2.0	0.35	0.29		0.10		.5	5		"
383	3/27	1215 / 1218	"	2.0	0.32	0.31		0.10		.5	5		"
384	4/3	1223 / 1225	"	7.0	0.33	0.24		0.08		.5	5		"
385	4/10	1248 / 1250	"	2.0	0.28	0.14		0.04		.5	5		"
386	4/17	1213 / 1215	"	2.0	0.27	0.15		0.04		.5	5		"
387	4/24	1315	"					0.04		EST.			
388	5/1	1409 / 1412	BOUCHER-WHISLER	1.9	0.17	0.12		0.02		.5	5		FC59
389	5/8	1140	WHISLER					0.02		EST.			
390	5/15	1245	"					0.02		EST.			
391	5/22	1235	"					0.02		EST.			
392	5/29	1210	"					0.02		EST.			
393	6/6	1245	"					0		EST.			
394	6/19	1210	"					0					
395	6/26	1450	BOUCHER					0					
396	9/4	1315	WHISLER					0.02					
397	9/18	1325 / 1328	"	2.0	0.28	0.32		0.09		.5	5		FC59
398	9/25	1400 / 1404	"	1.8	0.15	0.02		0.03		.5	5		"

RISING WATER AT WHITTIER NARROWS

THIS IS A COMPUTED DISCHARGE. DURING PERIODS OF HIGH FLOW SUCH AS STORMS AND OCCASIONALLY DURING THE DELIVERY OF IMPORTED WATER, THE VALUES ARE ESTIMATED. FLOWS OF IMPORTED WATER AFFECT THE AMOUNT OF RISING WATER THROUGH THE NARROWS. FROM AUGUST 1954 THROUGH APRIL 1957 AND IN OCTOBER AND NOVEMBER, 1960, SUCH DELIVERIES WERE MADE TO LIVE OAK WASH VIA PUDDINGSTONE DAM AND WALNUT WASH. BEGINNING DECEMBER 3, 1957 THEY WERE MADE TO THE SAN GABRIEL RIVER BELOW SAN BERNARDINO ROAD (STA. M335-R). DELIVERIES TO THE RIO HONDO WERE MADE TO THE ALHAMBRA WASH NEAR RUSH STREET (STA. M340-R) BEGINNING JANUARY 20, 1958. BOTH OF THE LATTER TWO CONTINUED THROUGH THE PERIOD OF THIS REPORT.

THE RISING WATER DISCHARGE IS COMPUTED BY THE FORMULA:

$$M = A + B - (C + D) + G + H - (I + J)$$

M = TOTAL OF RISING WATER AT WHITTIER NARROWS

A = COMPUTED FLOW OF MISSION CREEK AT SAN GABRIEL BOULEVARD

B = MEASURED FLOW OF RIO HONDO AT MAXIMUM RISING WATER

C = MEASURED FLOW OF RIO HONDO ABOVE RISING WATER, STA. E326-R

D = ADDITIONAL FLOW AT VARIOUS LOCATIONS

G = MEASURED FLOW OF SAN GABRIEL RIVER ABOVE PARKWAY BRIDGE, STA. F86-S

H = DIVERSION ABOVE "G"

I = MEASURED FLOW OF SAN GABRIEL RIVER ABOVE RISING WATER

J = ADDITIONAL FLOW AT VARIOUS LOCATIONS

FOR THE PURPOSE OF DETERMINING THE MONTHLY AND YEARLY RUNOFF, STRAIGHT LINE VARIATION IN FLOW BETWEEN MEASUREMENTS HAS BEEN ASSUMED. INCLUDED HEREWITH IS THE GRAPH SHOWING THE MEAN MONTHLY RISING WATER SINCE JANUARY 1923.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER

AT NEAR above Parkway Bridge DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN	END	MADE 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.
1296	10/17	1045	1105	ROY	CHANNELS				1.9		.5	12		FC52
1297	10/18	0825	0836	"	"				2.2		.5	11		"
1298	10/19	1250	1256	"	5.6	0.96	0.91		0.87		.5	7		"
1299	10/19	1306	1310	"	4.0	0.75	1.45		1.1		.5	5		"
1300	10/19	1316	1322	"	5.0	1.18	1.20		1.4		.5	6		"
1301	10/19	1335	1345	"	CHANNELS				1.6		.5	11		"
1302	10/20	1522	1534	"	"				2.3		.5/.6	12		"
1303	12/1	1554	1604	"	14.0	6.20	0.95		5.9		.6	9		"
1304	1/23	1545	1553	ROY-FALCONE	20.0	13.9	1.68		23.4		.6	12		FC51
1305	3/1	1358	1418	WALTER-ROY	CHANNELS				160.		.6	27		"
1306	3/10	1445	1500	ROY	"				23.6		.5/.6	18		"
1307	3/11	1030	1046	"	"				17.1		.5/.6	16		"
1308	3/12	0841	0900	"	"				17.4		.5/.6	18		"
1309	3/12	1435	1442	"	"				15.8		.5/.6	18		"
1310	3/24	1210	1225	ROY-THRELKELD	"				15.8		.5/.6	14		"
1311	6/26	1015	1024	ROY	"				4.9		.5/.6	11		FC56
1312	6/26	1533	1548	"	"				6.3		.5/.6	11		"
1313	6/26	1558	1609	"	"				5.6		.5/.6	14		"
1314	6/27	1600	1612	"	"				4.0		.5/.6	11		"
1315	6/28	1000	1018	"	"				4.6		.5/.6	11		"
1316	6/29	1545	1600	"	"				4.1		.5/.6	11		"
1317	7/3	1548	1602	"	"				3.0		.5	12		"
1318	7/5	0825	0840	"	"				4.2		.5/.6	13		"
1319	8/18	0858	0912	"	14.5	3.78	1.27		4.8		.5/.6	15		FC52
1320	8/18	0915	0923	"	9.5	4.90	1.00		4.9		.6	10		"
1321	8/20	1255	1306	"	8.6	4.44	0.94		4.2		.6	10		"
1322	8/23	1100	1110	"	8.4	4.24	0.90		3.8		.6	9		"
1323	8/30	1120	1132	"	8.6	4.56	0.77		3.5		.6	10		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER F86-S

AT NEAR below Standifer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN	END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	D. MT. CHANGE TOTAL	METER NO.
1324	10/15	1042	1102	ROY	CHANNELS				5.0		.5/.6	16		FC52 FC56
1325	10/16	1520	1536	"	"				4.6		.5	15		FC52
1326	11/1	1520	1535	"	"				5.6		.5/.6	11		FC56
1327	11/5	1525	1536	"	"				5.1		.5/.6	12		"
1328	11/21	1506	1532	"	"				5.2		.5/.6	22		"
1329	11/23	0825	0838	"	"				5.4		.5/.6	17		FC52
1330	12/3	0830	0848	"	"				5.6		.5/.6	18		"
1331	12/10	1440	1458	"	"				5.2		.5/.6	18		"
1332	12/12	0834	0852	"	"				4.7		.5/.6	17		"
1333	12/18	1546	1603	"	"				5.0		.5/.6	14		"
1334	1/3	1516	1530	"	"				6.1		.5/.6	13		"
1335	1/4	1523	1536	"	"				4.8		.5/.6	13		"
1336	1/15	0812	0830	"	"				5.4		.5/.6	14		"
1337	2/4	1004	1020	"	"				6.6		.5/.6	14		FC56
1338	2/28	1552	1558	"	12.0	7.79	1.28		10.0		.6	8		"
1339	2/28	1605	1620	"	CHANNELS				7.8		.5/.6	13		"
1340	3/6	1418	1426	"	12.0	8.99	1.27		11.4		.6	8		"
1341	3/8	1606	1615	"	12.0	8.96	1.25		11.2		.6	8		"
1342	3/30	0905	0916	"	13.8	9.74	1.03		10.0		.6	10		"
1343	4/18	1410	1422	"	CHANNELS				9.4		.5/.6	10		"
1344	4/25	1435	1444	"	13.0	6.91	1.16		8.0		.5/.6	9		"
1345	5/2	1403	1410	"	11.0	5.87	1.35		7.9		.6	7		"
1346	5/9	1413	1421	BROOK	13.0	6.19	1.07		6.6		.5/.6	9		FC35

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
1347	5/16	1450 / 1500	ROY	13.0	5.33	0.99		5.3		.6	8		FC52
1348	5/23	1310 / 1318	"	14.0	5.19	0.96		5.0		.6	9		"
1349	5/29	1342 / 1352	"	14.0	5.14	0.95		4.9		.6	9		FC56
1350	6/6	1430 / 1438	"	11.0	4.51	0.91		4.1		.6	8		"
1351	6/13	1406 / 1416	"	10.0	5.03	0.89		4.5		.6	10		"
1352	6/20	1400 / 1412	"	10.0	3.96	1.11		4.4		.6	11		FC52
1353	6/27	1350 / 1402	"	11.0	4.37	0.96		4.2		.6	12		"
1354	7/3	1340 / 1350	"	10.4	3.47	0.69		2.4		.5	11		"
1355	7/11	1525 / 1534	"	8.0	2.24	1.03		2.3		.6	9		"
1356	7/19	0828 / 0842	"	11.0	3.04	0.49		1.5		.5	12		"
1357	7/25	0845 / 0853	"	6.5	1.33	0.75		1.0		.5	8		"
1358	8/1	1606 / 1615	"	8.0	1.44	0.69		1.0		.5	9		"
1359	8/8	1455 / 1504	"	6.6	1.14	0.81		0.92		.5	8		"
1360	8/15	1520 / 1525	"	5.0	0.74	0.82		0.61		.5	6		"
1361	8/22	1530 / 1535	"	4.0	0.68	0.63		0.43		.5	5		"
1362	8/29	1440 / 1444	"	4.0	0.36	0.50		0.18		.5	5		"
1363	9/6	0812 / 0816	"	4.0	0.47	0.94		0.44		.5	5		"
1364	9/12	1330 / 1235	"	2.5	0.24	0.62		0.15		.5	6		"
1365	9/23	1330 / 1334	"	3.5	0.56	1.27		0.71		.5	6		"

7-57(7)M Gib. 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No._____

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 19 62

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	6.7	10.2	15.9	20.3	24.7	20.5	19.7	18.4	16.8	13.5	12.1
2	3.4	6.8	10.5	16.1	20.5	24.8	20.5	19.6	18.3	16.7	13.5	12.0
3	3.5	7.0	10.6	16.2	20.6	24.8	20.5	19.6	18.3	16.5	13.5	11.7
4	3.7	7.0	10.8	16.4	20.9	24.7	20.5	19.6	18.1	16.2	13.6	11.4
5	3.8	7.1	11.1	16.5	20.9	24.6	20.3	19.5	18.1	16.1	13.6	11.1
6	3.8	7.2	11.2	16.6	21.1	24.5	20.3	19.4	18.1	16.1	13.7	10.8
7	4.0	7.3	11.4	16.8	21.3	24.4	20.4	19.3	18.0	15.4	13.6	11.1
8	4.0	7.4	11.5	16.9	21.4	24.4	20.3	19.4	18.0	15.0	13.6	11.5
9	4.2	7.5	11.7	17.1	21.7	24.1	20.4	19.2	18.0	14.3	13.7	11.9
10	4.3	7.6	12.0	17.2	21.8	23.7	20.3	19.2	18.0	13.7	13.7	12.2
11	4.3	7.7	12.1	17.4	22.0	23.0	20.2	19.2	18.1	13.2	13.7	12.5
12	4.5	7.8	12.3	17.6	22.1	22.5	20.1	19.1	18.0	13.0	13.7	12.7
13	4.6	8.0	12.4	17.8	22.3	22.5	20.2	19.2	18.1	13.0	13.8	12.8
14	4.6	8.1	12.7	18.0	22.5	22.5	20.2	19.1	18.0	13.0	13.9	12.8
15	4.7	8.3	12.9	18.1	22.7	22.3	20.1	19.1	18.0	13.1	13.9	12.6
16	4.8	8.3	13.0	18.2	22.8	22.2	20.1	19.2	18.0	13.3	14.0	12.4
17	4.9	8.4	13.2	18.4	22.9	22.1	20.2	19.1	17.9	13.3	13.8	12.2
18	5.1	8.5	13.4	18.5	23.1	22.2	20.0	19.1	17.9	13.3	13.6	12.0
19	5.3	8.6	13.6	18.7	23.4	22.1	20.1	19.0	17.8	13.3	13.0	11.8
20	5.5	8.8	13.8	18.8	23.6	22.0	20.1	19.0	17.8	13.3	12.3	11.7
21	5.5	8.8	14.0	18.9	23.7	22.0	20.0	18.8	17.8	13.3	12.2	11.5
22	5.6	9.1	14.2	19.2	23.8	21.6	20.1	18.8	17.7	13.4	11.9	11.3
23	5.7	9.2	14.4	19.3	23.9	21.1	19.9	18.7	17.7	13.5	11.8	11.2
24	5.8	9.3	14.5	19.4	24.1	20.6	20.0	18.7	17.6	13.5	11.6	11.2
25	6.0	9.5	14.7	19.6	24.2	20.6	20.0	18.8	17.5	13.5	11.7	11.0
26	6.0	9.5	14.8	19.7	24.3	20.5	19.9	18.7	17.5	13.6	11.8	10.8
27	6.2	9.7	15.0	19.8	24.4	20.6	19.8	18.6	17.3	13.6	11.9	10.7
28	6.3	9.6	15.2	19.9	24.5	20.5	19.8	18.6	17.3	13.5	12.1	10.8
29	6.4	9.9	15.3	20.0		20.5	19.8	18.5	17.1	13.6	12.1	11.0
30	6.5	10.0	15.6	20.2		20.6	19.8	18.4	17.0	13.6	12.2	11.0
31	6.6		15.8	20.2		20.5		18.4		13.6	12.2	
	153.0	248.9	403.9	563.4	630.8	697.2	604.4	590.6	535.4	437.3	403.2	349.8
MEAN	4.94	8.30	13.0	18.2	22.5	22.5	20.1	19.1	17.8	14.1	13.0	11.7
ACRE-FEET	303.	494.	801.	1120.	1250.	1380.	1200.	1170.	1060.	867.	800.	694.

Remarks:

YEAR OR PERIOD MEAN 15.4
ACRE-FEET 11,100.

76D74M Gib 11-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

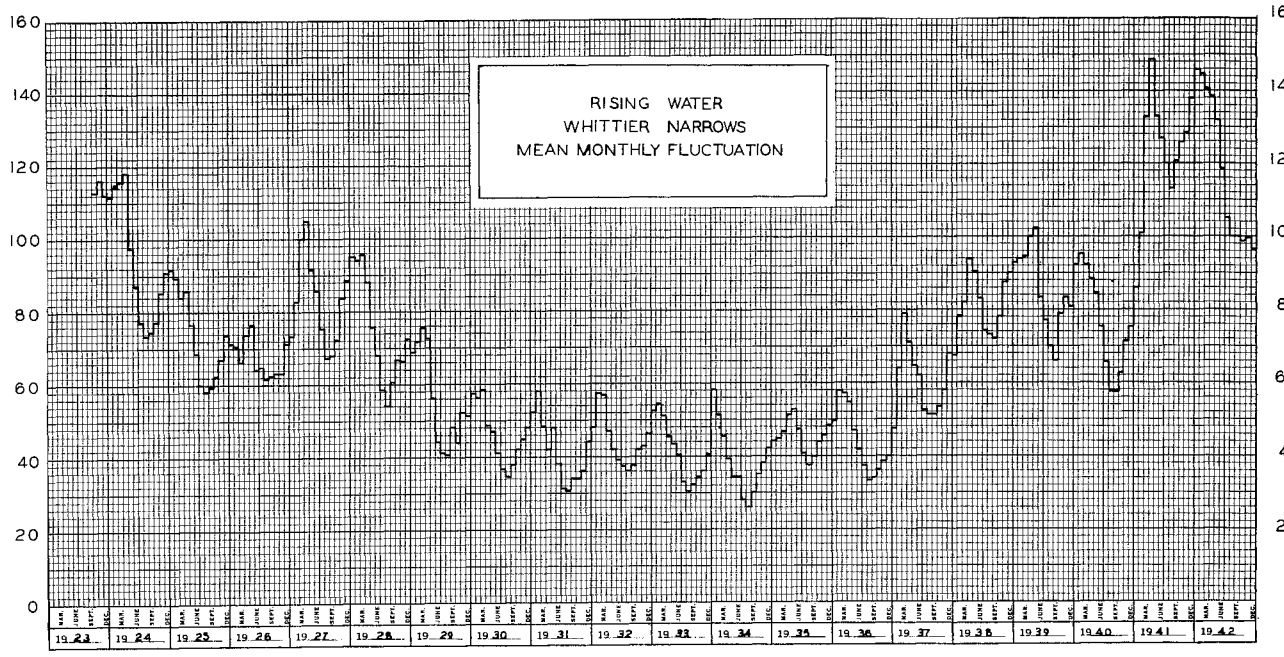
Sta. No._____

Daily discharge, in second-feet of RISING WATER at Whittier Narrows, for the year ending September 30, 1963

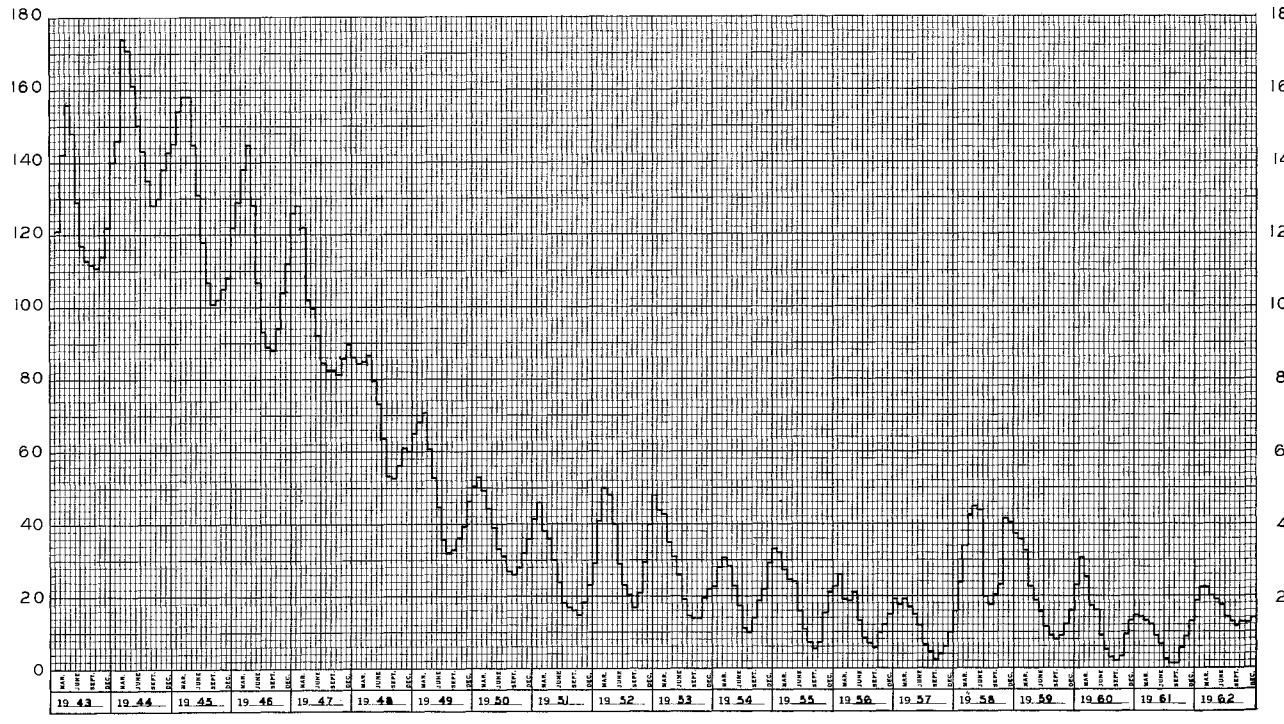
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11.1	13.2	13.5	14.9	14.1	14.8	13.6	12.6	9.2	6.3	2.6	.5
2	11.4	13.1	13.6	15.0	14.2	14.7	13.6	12.7	8.9	5.9	2.6	.5
3	11.8	11.1	13.6	15.1	14.4	14.7	13.6	12.6	8.8	5.6	2.6	.6
4	12.0	11.1	13.6	15.1	14.5	14.6	13.6	12.3	8.7	5.5	2.7	.7
5	12.2	11.1	13.6	15.0	14.6	14.6	13.6	12.2	8.5	5.4	2.6	.7
6	12.3	11.4	13.6	15.0	14.7	14.5	13.7	11.9	8.3	5.3	2.6	.7
7	12.4	11.5	13.7	15.1	14.8	13.9	13.7	11.7	8.3	5.2	2.7	.6
8	12.7	11.7	13.7	15.1	14.8	13.5	13.6	11.5	8.4	5.0	2.7	.7
9	12.8	11.8	13.7	15.0	14.9	13.6	13.5	11.4	8.5	4.9	2.7	.7
10	13.0	12.0	13.6	15.0	14.9	13.5	13.6	11.2	8.5	4.8	2.5	.7
11	13.1	12.2	13.6	14.9	15.0	13.5	13.6	10.9	8.5	4.7	2.4	.7
12	13.3	12.3	13.6	14.6	14.9	13.6	13.6	10.7	8.6	4.6	2.1	.7
13	13.4	12.4	13.6	14.5	15.0	13.5	13.5	10.3	8.6	4.5	2.0	.7
14	13.6	12.5	13.6	14.3	15.0	13.5	13.6	10.1	8.6	4.4	1.8	.6
15	13.7	12.6	13.7	14.0	15.0	13.5	13.5	9.6	8.5	4.2	1.6	.9
16	13.0	12.7	13.7	13.9	15.0	13.5	13.5	9.4	8.4	4.1	1.5	1.0
17	13.0	12.9	13.8	13.8	15.0	13.6	13.4	9.4	8.2	4.0	1.5	1.0
18	13.0	13.2	13.8	13.8	15.0	13.6	13.4	9.5	8.0	3.9	1.3	1.1
19	13.0	13.1	13.8	13.7	15.0	13.6	13.4	9.6	7.8	3.7	1.2	1.2
20	13.1	13.6	13.9	13.6	15.0	13.7	13.1	9.5	7.7	3.7	1.1	1.3
21	13.1	13.8	13.9	13.6	15.0	13.6	12.8	9.6	7.7	3.6	.9	1.3
22	13.1	13.9	14.0	13.6	15.0	13.6	12.6	9.7	7.6	3.5	.9	1.4
23	13.1	14.1	14.1	13.5	15.0	13.6	12.3	9.7	7.6	3.3	.9	1.5
24	13.3	14.0	14.1	13.5	14.9	13.6	12.0	9.7	7.7	3.2	.8	1.5
25	13.2	13.9	14.2	13.5	14.9	13.6	11.7	9.7	7.7	3.1	.7	1.5
26	13.2	13.8	14.4	13.6	14.9	13.6	11.8	9.7	7.6	3.1	.6	1.5
27	13.2	13.7	14.6	13.7	14.8	13.5	11.9	9.8	7.6	3.0	.6	1.5
28	13.2	13.6	14.7	13.8	14.8	13.6	12.0	9.7	7.3	3.0	.4	1.4
29	13.2	13.5	14.6	13.9		13.5	12.2	9.6	6.9	3.0	.4	1.4
30	13.2	13.5	14.8	14.0		13.5	12.4	9.5	6.3	2.9	.4	1.4
31	13.2		14.4	14.1		13.5		9.4		2.7	.4	
	398.9	383.3	431.1	442.2	415.1	427.2	392.4	325.2	243.0	130.1	49.8	30.4
MEAN	13.0	12.8	13.9	14.3	14.8	13.8	13.1	10.5	8.1	4.20	1.61	1.01
ACRE-FEET	791.	760.	855.	877.	823.	847.	778.	645.	482.	258.	99.	60.

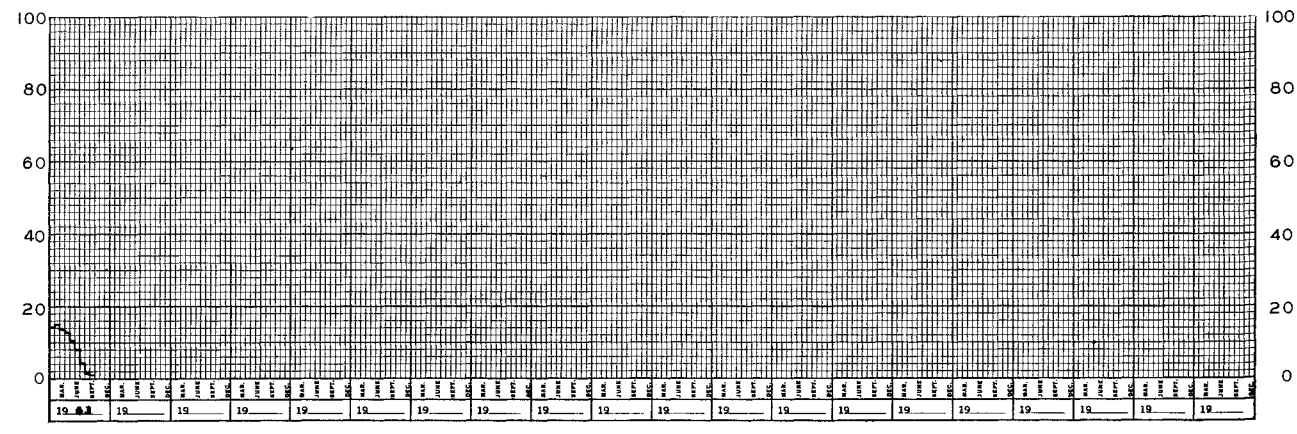
Remarks:

YEAR OR PERIOD MEAN 10.09
ACRE-FEET 7280.



DISCHARGE IN SECOND-FEET





DISCHARGE MEASUREMENTS OF ANTELOPE VALLEY DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			MOUNTAIN BROOK below Big Rock Springs										
8	11/30	1005 / 1015	FALCONE	2.1	0.44	1.05		0.46		.5	8		FC59
9	12/27	1034 / 1040	"	3.2	0.66	1.17		0.77		.5	5		FC60
			VALYERMO RANCH DIVERSION below Big Rock Springs										
10	11/30	0945 / 0955	FALCONE	1.8	0.25	1.56		0.39		.5	7		FC59
11	12/27	1025 / 1032	"	2.5	0.49	0.65		0.32		.5	6		FC60
			BIG ROCK PATROL STATION SPRING below Overflow										
172	2/28	1335 / 1338	WHISLER	0.7	0.19	0.53		0.10		.5	5		FC59
173	4/18	1312 / 1315	"	1.0	0.34	0.18		0.04		.5	5		"
			PALMDALE DITCH below Little Rock Dam										
5	3/20	1400 / 1440	WHISLER-STEVENSON	8.0	21.2	1.62		34.3		.2 / .8	11		FC41

DISCHARGE MEASUREMENTS OF ANTELOPE VALLEY DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			Overflow from Big Rock Patrol Station Spring										
174	10/9	1520	WHISLER					0.03		EST.			
175	10/24	1315	"					0.03		"			
176	11/7	1225	"					0.30		"			
177	11/21	1320	"					0.04		"			
178	12/5	1305	"					0.05		"			
179	12/12	1155	"					0.05		"			
180	12/19	1330	"					0.05		"			
181	12/26	1230	"					0.05		"			
182	1/2	1244 / 1248	"	1.0	0.28	0.21		0.06		.5	4		FC59
183	1/9	1300	"					0.06		EST.			
184	1/16	1220	"					0.06		"			
185	1/23	1145	"					0.06		"			
186	1/30	1147 / 1150	"	0.7	0.12	0.33		0.04		.5	5		FC59
187	2/6	1245	"					0.04		EST.			
188	2/13	1310	"					0.05		"			
189	2/20	1340	"					0.05		"			
190	2/27	1220	"					0.05		"			
191	3/6	1258	"					0.04		"			
192	3/13	1230	"					0.04		"			
193	3/20	1330	"					0.04		"			
			Overflow from Big Rock Patrol Station Spring (Continued)										
194	3/27	1225	"					0.04		"			
195	4/3	1335	"					0.04		"			
196	4/10	1305	"					0.04		"			
197	4/17	1225	"					0.04		"			
198	4/24	1320	"					0.03		"			
199	5/1	1415	WHISLER-BOUCHER					0.03		"			
200	5/8	1150	WHISLER					0.03		"			
201	5/15	1250	"					0.02		"			
202	5/23	1240	"					0.02		"			
203	5/29	1215	"					0.02		"			
204	6/6	1255	"					0.02		"			
205	6/19	1200	"					0.02		"			
206	6/26	1435	BOUCHER					0.02		"			
207	7/10	1530	"					0.02		"			
208	7/24	1210	WHISLER-MAYFIELD					0.03		"			
209	8/21	1255	WHISLER					0.03		"			
210	9/4	1325	"					0.03		"			
211	9/18	1320	"					0.02		"			
212	9/25	1490	"					0.02		"			

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER 1 Mile below Ravenna										
110	10/4	1429 / 1435	WHISLER	3.8	0.70	1.24		0.87		.5	8		FC59
111	11/2	1412 / 1416	"	4.2	0.91	1.21		1.1		.5	7		"
112	12/7	0908 / 0912	"	5.0	0.70	1.86		1.3		.5	6		"
113	1/4	1328 / 1332	"	4.0	0.86	1.63		1.4		.5	5		"
114	2/26	1452 / 1458	"	8.0	2.04	2.84		5.8		.5	8		FC41
115	3/1	0931 / 0946	"		CHANNELS			8.2		.5	16		FC59
116	4/5	1051 / 1056	"	8.0	2.14	2.15		4.6		.5	9		"
117	5/3	1318 / 1326	"		CHANNELS			3.0		.5	13		"
118	6/14	1316 / 1334	WALTER-WHISLER		"			2.1		.5	14		"
119	6/28	1225 / 1243	WALTER		"			2.0		.5	14		"
120	7/12	1315 / 1325	"	5.6	1.18	1.69		2.0		.5	7		"
121	8/2	1442 / 1447	"	5.8	1.26	1.35		1.7		.5	7		"
122	9/20	1513 / 1519	WHISLER	6.0	0.91	1.03		0.94		.5	7		"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER - 1 Mile below Ravenna										
123	10/10	1508 / 1515	WHISLER	5.5	1.02	1.18		1.2		.5	8		FC589
124	11/1	1430 / 1434	"	6.0	1.46	0.96		1.4		.5	7		" "
125	12/6	1358 / 1405	"	6.0	1.16	1.38		1.5		.5	7		"
126	1/3	1540 / 1546	"	6.0	1.18	1.36		1.6		.5	7		"
127	2/7	1503 / 1509	"	7.0	1.41	1.13		1.6		.5	8		"
128	3/5	1430 / 1436	"	5.0	0.85	2.00		1.7		.5	6		"
129	4/2	1344 / 1350	"	5.0	1.06	1.98		2.1		.5	6		"
130	5/2	0840 / 0846	"	7.0	1.36	1.62		2.2		.5	8		"
131	6/5	1417 / 1425	BOUCHER-WHISLER	6.6	0.98	1.53		1.5		.5	7		"
132	7/3	1334 / 1342	BOUCHER	4.0	0.61	1.80		1.1		.5	6		"
133	8/8	1506 / 1509	WHISLER	4.0	0.56	1.68		0.94		.5	5		"
134	9/5	1530 / 1534	"	4.0	0.60	1.67		1.0		.5	5		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAIN - COASTAL DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SEQUIT at Mulholland Drive										
149	1/25	1450 / 1500	SJOSTEDT	3.0	0.92	1.00		0.92		.5	7		FC50
150	3/1	1455 / 1510	"	16.3	15.4	0.93		14.3		.6	11		FC29
151	3/8	1340 / 1355	"	15.8	12.9	0.68		8.8		.6	8		"
152	3/15	0910 / 0930	"	16.2	11.8	0.48		5.7		.6	8		"
153	3/22	1050 / 1100	"	15.6	7.29	0.67		4.9		.5 / .6	8		"
154	4/5	1215 / 1230	"	8.5	3.40	0.94		3.2		.5	6		"
155	4/12	1245 / 1255	"	7.0	2.59	0.81		2.1		.5	8		"
156	4/19	1300 / 1310	"	6.0	2.15	0.65		1.4		.5	7		"
157	4/26	1305 / 1315	"	6.0	2.11	0.57		1.2		.5	5		"
158	5/10	1425 / 1435	"	5.0	1.71	0.52		0.89		.5	6		FC65
159	5/17	1550 / 1600	"	3.0	1.11	0.80		0.89		.5	5		"
160	6/1	1415 / 1420	"	3.0	1.18	0.58		0.69		.5	5		FC50
161	6/7	1210 / 1220	"	3.0	0.90	0.84		0.76		.5	5		"
162	6/21	1345 / 1355	"	2.5	0.65	0.92		0.60		.5	6		"
163	6/28	1400 / 1405	"	2.5	0.62	0.89		0.55		.5	6		"
164	7/5	1315 / 1320	"	2.5	0.59	0.93		0.55		.5	6		"
165	7/12	1130 / 1140	"	2.5	0.63	0.89		0.56		.5	6		"
166	7/26	1220 / 1230	"	2.5	0.51	0.96		0.49		.5	6		"
167	8/9	1330 / 1340	"	2.5	0.41	0.90		0.37		.5	6		"
168	8/23	1455 / 1500	"	2.0	0.29	0.93		0.27		.5	5		"
169	9/6	1350 / 1400	SJOSTEDT	2.0	0.28	0.79		0.22		.5	5		"
170	9/13	1355 / 1400	"	2.0	0.24	1.00		0.24		.5	5		"
171	9/20	1215 / 1225	"	2.0	0.24	0.83		0.20		.5	5		"
172	9/27	1355 / 1400	"	2.0	0.22	0.68		0.15		.5	5		"
			RUSTIC CANYON above Junction with Santa Monica Canyon										
232	10/4	1410 / 1420	SJOSTEDT	3.0	1.05	0.56		0.59		.5 / .6	7		FC50
233	10/11	1520 / 1530	"	3.0	0.93	0.51		0.47		.5	7		"
234	10/19	1145 / 1150	"	2.5	0.62	0.85		0.53		.5	6		"
235	10/26	1610 / 1620	"	3.0	0.91	0.54		0.49		.5	7		"
236	11/2	1140 / 1150	"	3.0	0.62	0.76		0.47		.5	7		"
237	11/9	1135 / 1141	PETERSEN	3.0	1.18	0.37		0.44		.5 / .6	7		"
238	11/16	1455 / 1505	SJOSTEDT	3.0	1.23	0.42		0.52		.5	7		"
239	11/30	1635 / 1645	"	3.5	0.41	1.07		0.44		.5	9		"
240	12/7	1610 / 1620	"	3.0	0.87	0.74		0.64		.5	7		"
241	12/14	1445 / 1455	PETERSEN-SJOSTEDT	3.4	1.01	0.97		0.98		.5	7		FC65
242	12/21	1550 / 1600	SJOSTEDT	3.5	0.92	0.64		0.59		.5	6		FC50
243	12/28	1600 / 1610	"	3.0	0.93	0.80		0.74		.5	5		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			RUSTIC CANYON above Junction with Santa Monica Canyon (Continued)										
244	1/4	1600 / 1610	SJOSTEDT	3.0	0.82	0.79		0.65		.5	6		"
245	1/11	1545 / 1555	"	3.0	0.90	0.61		0.55		.5	7		"
246	1/18	1535 / 1545	"	3.0	0.99	0.53		0.52		.5	7		"
247	2/1	0910 / 0920	"	4.0	1.21	0.65		0.79		.5	6		"
248	3/1	1750 / 1800	"	9.5	2.40	2.75		6.6		.5	10		FC29
249	3/8	1600 / 1615	"	8.0	1.74	2.36		4.1		.5	10		"
250	3/15	1420 / 1430	"	7.0	1.62	1.60		2.6		.5	8		"
251	3/22	1340 / 1350	"	5.0	1.24	1.77		2.2		.5	7		"
252	3/29	1520 / 1530	MAYFIELD-SJOSTEDT	8.0	1.85	1.36		2.5		.5	9		"
253	4/12	1345 / 1400	SJOSTEDT	5.5	1.24	1.69		2.1		.5	7		"
254	4/19	1535 / 1545	"	5.0	1.19	1.26		1.5		.5	7		"
255	4/26	1610 / 1620	"	5.0	1.18	1.19		1.4		.5	6		"
256	5/3	0915 / 0925	"	5.0	1.06	1.32		1.4		.5	6		"
257	5/10	1615 / 1625	"	5.0	1.05	0.93		0.98		.5	6		FC65
258	5/24	1615 / 1625	"	4.0	0.71	0.51		0.36		.5	5		FC50
259	5/31	1300 / 1310	"	5.0	0.83	1.33		1.1		.5	6		"
260	6/7	0920 / 0930	"	5.0	1.17	1.11		1.3		.5	6		"
261	6/14	1545 / 1555	"	5.0	1.42	0.84		1.2		.5	6		"
262	6/21	1555 / 1605	"	5.0	1.43	0.91		1.3		.5	6		"
263	6/28	1625 / 1630	"	3.0	0.70	1.43		1.0		.5	5		"
264	7/5	1600 / 1610	SJOSTEDT	5.0	1.20	1.50		1.8		.5	6		"
265	7/12	0920 / 0930	"	4.0	0.96	1.15		1.1		.5	6		"
266	7/19	1535 / 1545	"	4.0	1.02	0.93		0.95		.5	6		"
267	8/1	1645 / 1655	"	4.0	0.89	1.35		1.2		.5	6		"
268	8/9	1620 / 1630	"	4.0	0.64	1.20		0.77		.5	5		"
269	8/16	1310 / 1315	"	4.0	0.81	1.18		0.96		.5	6		"
270	8/23	1145 / 1155	"	4.0	0.83	1.32		1.1		.5	6		"
271	8/30	1345 / 1350	"	4.0	0.68	1.25		0.85		.5	5		"
272	9/6	1605 / 1610	"	4.0	0.64	1.44		0.92		.5	5		"
273	9/13	1600 / 1610	"	4.0	0.70	1.18		0.83		.5	6		"
274	9/20	1545 / 1555	"	4.0	0.78	1.28		1.0		.5	6		"
275	9/27	1540 / 1600	"	4.0	0.78	1.41		1.1		.5	6		"

DISCHARGE MEASUREMENTS OF SANTA MONICA MOUNTAINS - COASTAL DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SEQUIT at Mulholland Drive										
173	10/11	1400 / 1505	SJOSTEDT	1.2	0.13	0.92		0.12		.5	5		FC50
174	10/18	1225 / 1235	"	1.6	0.30	0.33		0.10		.5	5		"
175	10/25	1135 / 1140	"	1.6	0.23	0.35		0.08		.5	5		"
176	11/1	1205 / 1210	"	1.6	0.26	0.35		0.09		.5	5		"
177	11/8	1110 / 1115	PETERSEN-SJOSTEDT	1.6	0.22	0.32		0.07		.5	5		"
178	11/15	1005 / 1010	SJOSTEDT	1.6	0.23	0.39		0.09		.5	5		"
179	11/21	1248 / 1252	PETERSEN	1.2	0.16	1.00		0.16		.5	4		"
180	11/29	1025 / 1030	"	1.2	0.12	0.83		0.10		.5	5		"
181	12/6	1200 / 1205	SJOSTEDT	1.6	0.22	0.45		0.10		.5	5		"
182	12/13	1355 / 1400	"	1.6	0.26	0.23		0.06		.5	5		"
183	12/20	1435 / 1445	"	1.6	0.24	0.54		0.13		.5	5		"
184	12/26	1125 / 1130	"	1.6	0.19	0.47		0.09		.5	5		"
185	1/3	1230 / 1240	"	1.4	0.16	0.38		0.06		.5	5		"
186	1/10	1300 / 1310	"	1.6	0.16	0.31		0.05		.5	5		"
187	1/18	1135 / 1139	PETERSEN	1.6	0.20	0.50		0.10		.5	5		"
188	1/24	1320 / 1325	SJOSTEDT	1.2	0.12	0.58		0.07		.5	5		"
189	2/7	1230 / 1235	"	1.2	0.12	0.50		0.06		.5	5		"
190	2/14	1215 / 1225	"	1.2	0.12	0.50		0.06		.5	5		"
191	2/28	1250 / 1255	"	1.6	0.30	0.70		0.21		.5	5		"
192	3/7	1230 / 1240	"	1.6	0.33	0.91		0.30		.5	5		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECUIT at Mulholland Drive (Continued)										
193	3/13	1150 / 1200	SJOSTEDT	1.6	0.33	1.21		0.40		.5	5		FC50
194	3/21	1220 / 1225	"	1.6	0.33	0.76		0.25		.5	5		FC65
195	3/28	1256 / 1300	MAYFIELD-PETERSEN	1.6	0.32	1.00		0.33		.5	5		FC55
196	4/4	1340 / 1350	SJOSTEDT	2.0	0.52	1.60		0.83		.5	5		FC50
197	4/12	1015 / 1020	"	2.0	0.50	1.68		0.84		.5	5		"
198	4/18	1345 / 1350	"	2.0	0.46	1.50		0.69		.5	5		"
199	4/25	1350 / 1400	"	2.0	0.46	1.46		0.67		.5	5		"
200	5/2	1410 / 1417	PETERSEN	3.7	0.85	0.84		0.71		.5	7		"
201	5/9	1255 / 1300	SJOSTEDT	2.0	0.49	1.08		0.53		.5	5		"
202	5/23	1450 / 1455	"	2.0	0.47	1.25		0.59		.5	5		"
203	5/29	1530 / 1535	"	2.0	0.47	1.09		0.51		.5	5		"
204	6/5	1310 / 1315	"	2.0	0.48	1.31		0.63		.5	5		"
205	6/13	1425 / 1435	"	2.0	0.43	1.35		0.58		.5	5		"
206	6/20	1440 / 1445	"	1.6	0.34	1.30		0.44		.5	5		"
207	6/27	1535 / 1540	"	2.0	0.39	1.05		0.41		.5	5		"
208	7/3	1400 / 1405	"	2.0	0.40	1.10		0.44		.5	5		"
209	7/11	1415 / 1420	"	2.0	0.36	0.97		0.35		.5	5		"
210	7/25	1220 / 1220	"	1.6	0.27	0.78		0.21		.5	5		"
211	8/1	1350 / 1400	"	1.6	0.30	0.90		0.27		.5	5		"
212	8/8	1005 / 1010	"	2.0	0.36	0.75		0.27		.5	5		"
213	8/15	1152 / 1158	PETERSEN	1.8	0.31	0.71		0.22		.5	7		"
214	8/21	1310 / 1320	SJOSTEDT	1.6	0.24	0.67		0.16		.5	5		"
215	8/29	1300 / 1305	PETERSEN-FALCONE	1.5	0.17	0.59		0.10		.5	6		"
216	9/5	1050 / 1055	FALCONE	1.9	0.27	0.48		0.13		.5	5		FC61
217	9/12	1535 / 1540	"	1.5	0.16	0.38		0.06		.5	4		"
218	9/18	1425 / 1430	"	1.7	0.23	0.26		0.06		.5	5		"
219	9/26	1345 / 1350	SJOSTEDT	1.2	0.12	0.33		0.04		.5	5		FC50
			RUSTIC CANYON above Junction with Santa Monica Canyon										
276	10/4	1640 / 1645	SJOSTEDT	4.0	0.72	0.97		0.70		.5	6		FC50
277	10/11	1550 / 1600	"	4.0	0.63	1.25		0.79		.5	6		"
278	10/18	1010 / 1020	"	3.5	0.77	1.25		0.96		.5	8		"
279	10/25	0910 / 0920	"	3.5	0.68	1.25		0.85		.5	8		"
280	11/1	0910 / 0920	"	3.5	0.66	1.17		0.77		.5	8		"
281	11/8	0900 / 0910	PETERSEN-SJOSTEDT	3.8	0.74	1.26		0.93		.5	7		"
282	11/15	1350	SJOSTEDT					1.0		EST.			
283	11/21	0905 / 0915	PETERSEN	4.3	1.15	0.96		1.1		.5	8		"
284	11/29	0830 / 0840	"	4.2	1.13	0.76		0.86		.5	7		"
285	12/6	0930 / 0940	SJOSTEDT	3.0	0.63	1.19		0.75		.5	5		"
286	12/13	1530 / 1540	SJOSTEDT	3.5	0.34	1.56		0.53		.5	8		"
287	12/20	1255 / 1305	"	3.5	0.41	1.93		0.79		.5	8		"
288	12/26	1456 / 1505	"	3.5	0.48	1.71		0.82		.5	8		"
289	1/3	1430 / 1435	"	3.0	0.37	1.62		0.60		.5	5		"
290	1/10	1600 / 1610	"	3.0	0.76	0.93		0.71		.5	7		"
291	1/18	0940 / 0946	PETERSEN	6.0	0.89	1.06		0.94		.5	6		"
292	1/24	1535 / 1545	SJOSTEDT	2.5	0.40	1.50		0.60		.5	6		"
293	1/31	1055	"					2.0		EST.			
294	2/7	0930 / 0940	"	3.0	0.58	2.22		1.3		.5	7		FC50
295	2/14	0955 / 1000	"	4.0	0.39	3.59		1.4		.5	5		"
296	2/21	1405 / 1410	"	4.0	0.35	0.29	0.32	1.0		.5	5		"
297	2/28	0855 / 0900	"	4.0	0.42	2.62		1.1		.5	5		"
298	3/7	0950 / 1000	"	4.0	0.43	2.56		1.1		.5	5		"
299	3/14	0930 / 0940	"	4.0	0.44	2.50		1.1		.5	5		"
300	3/21	1015	"					1.0		EST.			
301	4/4	1600	"					1.0		"			
302	4/12	0830 / 0840	"	4.0	0.36	4.17		1.5		.5	5		FC50
303	4/18	1620	"					1.0		EST.			
304	4/25	1605 / 1610	"	4.0	0.42	2.62		1.1		.5	5		FC50
305	5/2	1132 / 1139	PETERSEN	9.5	1.33	0.90		1.2		.5	7		"
306	5/9	1600 / 1610	SJOSTEDT	4.0	0.38	2.64		1.0		.5	5		FC50
307	5/16	1015 / 1025	"	4.0	0.54	2.22		1.2		.5	5		"
308	5/23	1320	"					1.0		EST.			
309	5/29	1730 / 1740	"	4.0	0.32	2.06		0.66		.5	5		FC50
310	6/6	1020 / 1030	"	5.0	0.39	2.82		1.1		.5	6		"
311	6/13	1140 / 1150	"	4.0	0.30	3.67		1.1		.5	5		"
312	6/20	1130 / 1140	"	5.0	0.65	1.48		0.96		.5	6		"
313	6/27	1210 / 1220	"	4.0	0.40	2.38		0.95		.5	5		"
314	7/3	1140 / 1150	"	4.0	0.30	4.33		1.3		.5	5		"
315	7/11	1620	"					1.0		EST.			
316	7/18	1130 / 1140	"	3.0	0.36	1.83		0.66		.5	5		FC50
317	7/25	1450 / 1500	"	2.0	0.58	1.43		0.83		.5	5		"
318	8/1	1600 / 1610	"	3.0	0.23	2.44		0.56		.5	6		"
319	8/8	1345 / 1355	"	4.0	0.23	3.17		0.73		.5	5		"
320	8/15	1017 / 1023	PETERSEN	5.0	0.36	2.25		0.81		.5	6		"
321	8/21	1520 / 1530	SJOSTEDT	3.0	0.34	1.91		0.65		.5	5		"
322	8/29	1105 / 1110	PETERSEN-FALCONE	3.5	0.30	2.10		0.63		.5	5		"
323	9/5	1250 / 1255	FALCONE	5.0	0.30	3.23		0.97		FLOATS	4		
324	9/12	1400 / 1403	"	4.0	0.30	2.90		0.87		FLOATS	5		
325	9/18	1245 / 1255	"	4.0	0.34	1.29		0.44		.5	5		FC61
326	9/26	1140 / 1145	SJOSTEDT	4.0	0.28	2.46		0.69		.5	5		FC50

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Pacoima Dam (Inflow)										
112	4/9	1544 / 1554	HYDE	8.5	5.82	1.62		9.4		.6	10		FC40
113	4/13	0840 / 0854	"	8.5	5.91	1.57		9.3		.6	10		"
114	4/17	0930 / 0945	"	8.0	5.68	1.48		8.4		.6	10		"
115	4/20	0845 / 0858	"	7.7	5.62	1.35		7.6		.6	10		"
116	4/24	0830 / 0845	"	8.5	5.80	1.31		7.6		.6	10		"
117	4/27	0812 / 0826	"	7.7	5.32	1.20		6.4		.6	10		"
118	5/1	0820 / 0836	"	8.0	5.24	1.03		5.4		.6	11		"
119	5/9	1345 / 1357	"	7.7	4.48	0.76		3.4		.6	9		"
120	5/23	0822 / 0835	"	6.5	4.28	0.82		3.5		.6	9		"
121	6/12	1555 / 1605	"	6.0	1.92	0.83		1.6		.5	8		FC60
			PROJECT 85 - 1000 feet below Panorama Drain										
1	11/20	1300 / 1310	PETERSEN-BOUCHER	13.4	24.0	7.30	2.30	175.		FLOATS		0	
2	11/20	1552 / 1602	" "	11.4	10.9	6.12	1.30	53.3		"		-0.20	
3	11/25	0830 / 0838	BOUCHER	13.4	24.0	6.75	2.30	16.2		"		0	
4	11/25	1621 / 1627	"	11.4	11.2	5.18	1.34	58.0		"		-0.03	
5	1/20	1414 / 1427	"	10.9	8.30	4.64	1.06	38.6		"		-0.10	
6	1/22	0332 / 0338	"	12.6	19.2	6.46	1.94	124.		"		-0.03	
7	2/8	1330 / 1336	"	13.2	22.9	6.83	2.23	157.		"		-0.01	
8	2/9	0843 / 0850	BOUCHER	12.0	15.1	5.77	1.63	87.2		"		+0.04	
9	2/15	1041 / 1048	"	12.8	19.7	6.46	2.00	127.		"		-0.06	
10	2/19	1419 / 1428	"	10.3	5.10	4.24	0.76	17.3		"		+0.04	
11	2/19	1528 / 1535	"	10.6	6.65	4.88	0.91	26.0		"		0	
12	3/18	2240 / 2252	"	9.9	8.40	4.30	1.07	36.9		"		-0.06	

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 TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
220	10/4	1318 / 1329	HYDE	4.3	1.06	1.70		1.8		.5	10		FC60
221	10/11	1310 / 1320	"	4.3	1.05	1.72		1.8		.5	10		"
222	10/19	0858 / 0908	"	4.0	1.04	1.73		1.8		.5	9		"
223	10/26	1045 / 1056	"	4.2	1.09	1.47		1.6		.5	10		"
224	11/2	1238 / 1250	"	4.2	1.06	1.60		1.7		.5	10		"
225	11/9	1045 / 1055	"	3.7	1.12	1.52		1.7		.5	9		"
226	11/16	0900 / 0906	"	3.8	0.70	0.87		0.61		.5	6		"
227	11/24	0856 / 0904	"	3.8	0.73	0.85		0.62		.5	9		"
228	11/30	1015 / 1023	"	3.8	0.84	0.79		0.66		.5	9		"
			BIG TUJUNGA CREEK - Wildwood Swim Pool Diversion										
12	6/21	0925 / 0937	BOUCHER-HYDE	6.1	2.24	1.16		2.6		.6	8		FC40
13	6/28	0939 / 0948	BOUCHER	6.0	2.93	1.09		3.2		.5/.6	7		FC6
			BIG TUJUNGA CREEK - L.A.W.D. DIVERSION to Spreading Grounds										
113	4/26	1452 / 1504	HYDE-SOLOMON	12.7	9.00	1.63		14.7		.6	9		FC40
			BIG TUJUNGA CREEK above Oro Vista Street										
68	2/1	1558 / 1602	HYDE	2.4	0.51	1.21		0.62		.5	6		FC60
69	4/26	1532 / 1552	"	26.0	9.38	1.50		14.1		.5	16		FC40
			BIG TUJUNGA CREEK above Hansen Dam (Inflow)										
36	3/21	1610 / 1625	HYDE	11.5	5.08	1.87		9.5		.6	14		FC40
37	4/19	1540 / 1555	"	12.0	7.11	1.93		13.7		.6	12		"
38	4/26	1628 / 1644	"	12.0	7.16	1.87		13.4		.6	12		"
			ARROYO SECO above Millard Creek										
67	2/14	1254 / 1300	WOOD-FRAZELLE	21.5	14.2	4.69		66.6		.5/.6	13		FC34
			ARROYO SECO below Millard Creek										
128	12/4	1613 / 1626	WOOD	18.4	1.91	2.20		4.2		.5	13		FC53
129	12/6	1308 / 1316	"	10.2	0.96	2.19		2.1		.5	12		"
130	12/13	1100 / 1107	"	4.1	0.52	2.50		1.3		.5	9		"
131	12/20	1222 / 1231	"	3.7	0.36	2.28		0.82		.5	8		"
132	12/28	1322 / 1328	"	3.9	0.33	1.88		0.62		.5	9		"
133	1/11	1446 / 1450	"	2.8	0.24	2.08		0.50		.5	7		"
134	2/16	1443 / 1455	FRAZELLE-WOOD	19.3	13.4	3.68		48.6		.5/.6	12		FC34
135	2/18	1037 / 1053	" "	23.5	9.19	6.30		57.8		.5	13		"
136	2/18	1150 / 1203	" "	19.6	6.82	3.49		23.8		.5	11		"
137	2/21	1434 / 1445	WOOD	18.2	9.04	3.31		29.9		.5/.6	12		"
138	3/7	0904 / 0915	BROOK		CHANNELS			4.0		.5/.6	13		FC57
139	4/17	1124 / 1140	WOOD	8.4	1.27	3.30		4.2		.5	18		FC53
140	5/17	1016 / 1026	"	6.6	0.86	3.02		2.6		.5	14		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO below Devil's Gate Dam										
340	12/6	1426 / 1433	WOOD	1.3	0.09	1.00		0.09		.5	7		FC53
341	12/13	1412 / 1418	"	1.8	0.12	0.67		0.08		.5	7		"
342	12/20	1343 / 1349	"	1.5	0.10	0.90		0.09		.5	6		"
343	12/28	1441	"	90° V-NOTCH WEIR				0.09					
344	1/3	1437	"	"	"	"		0.11					
345	1/11	1303 / 1310	"	1.4	0.12	0.75		0.09		.5	7		FC53
346	1/17	1543	"	90° V-NOTCH WEIR				0.09					
347	1/25	1242 / 1246	"	1.5	0.09	0.67		0.06		.5	6		FC53
348	1/31	1550	"	90° V-NOTCH WEIR				0.08					
349	3/7	0949 / 0957	BROOK	6.2	1.69	1.06		1.8		.5	8		FC57
350	3/15	1540 / 1550	WOOD	5.8	1.37	1.02		1.4		.5	7		FC53
351	3/21	1541 / 1547	"	6.0	1.56	0.90		1.4		.5	7		"
352	3/28	1347 / 1357	"	6.5	1.73	0.93		1.6		.5	10		"
353	4/4	1318 / 1326	"	6.6	1.91	0.89		1.7		.5	9		"
354	4/11	1258 / 1307	"	6.1	1.54	0.84		1.3		.5	9		"
355	4/18	1357 / 1405	"	6.0	1.42	1.12		1.6		.5	9		"
356	4/26	0850 / 0905	FALCONE	6.0	1.48	1.01		1.5		.5	13		"
357	5/2	1415 / 1424	WOOD	5.9	1.29	1.01		1.3		.5	9		"
358	5/9	1325 / 1334	"	6.0	1.18	0.93		1.1		.5	9		"
359	5/17	1113 / 1125	"	6.0	1.03	0.85		0.88		.5	13		"
360	5/23	1345 / 1357	WOOD	6.0	1.01	0.79		0.80		.5	13		"
361	5/31	0916 / 0928	"	5.7	0.86	0.65		0.56		.5	13		"
362	6/6	1517 / 1523	"	2.9	0.35	0.91		0.32		.5	7		"
363	6/14	1010 / 1016	"	2.4	0.28	0.71		0.20		.5	7		"
			ARROYO SECO - PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam										
243	10/11	1103	WOOD	(GAUGE HEIGHT = HEAD IN INCHES)			1.7	0.02	90° V-NOTCH WEIR				
244	10/19	0730	FALCONE	"	"		1.8	0.02	"	"	"	"	
245	10/26	0820	"	"	"		1.7	0.02	"	"	"	"	
246	11/2	0815	"	"	"		1.5	0.01	"	"	"	"	
247	11/9	0825	"	"	"		1.6	0.02	"	"	"	"	
248	11/16	0845	"	"	"		1.6	0.02	"	"	"	"	
249	11/21	1355	WOOD-PENTON	"	"		2.1	0.03	"	"	"	"	
250	11/29	1450	WOOD	"	"		3.6	0.12	"	"	"	"	
251	12/6	1421	"	"	"		4.0	0.16	"	"	"	"	
252	12/13	1405	"	"	"		4.5	0.22	"	"	"	"	
253	12/20	1330	"	"	"		5.0	0.28	"	"	"	"	
254	12/28	1420	"	"	"		4.8	0.26	"	"	"	"	
255	1/3	1424	"	"	"		4.9	0.27	"	"	"	"	
256	1/11	1248	WOOD	"	"		5.0	0.28	"	"	"	"	
257	1/17	1525	"	"	"		5.0	0.28	"	"	"	"	
258	1/25	1237	"	"	"		5.5	0.36	"	"	"	"	
259	1/31	1602	"	"	"		5.8	0.41	"	"	"	"	
260	2/10	1229 / 1252	WOOD-FRAZELLE	29.5	44.5	2.68		119.		.6	18		FC57
261	2/28	1520	WOOD	(GAUGE HEIGHT = HEAD IN INCHES)			9.6	1.5	90° V-NOTCH WEIR				
262	3/15	1530	"	"	"		8.6	1.1	"	"	"	"	
263	3/21	1535	"	"	"		8.3	1.0	"	"	"	"	
264	3/28	1342	"	"	"		8.1	0.95	"	"	"	"	
265	4/4	1306	"	"	"		7.9	0.89	"	"	"	"	
266	4/11	1245	"	"	"		7.5	0.78	"	"	"	"	
267	4/18	1353	"	"	"		7.2	0.71	"	"	"	"	
268	5/2	1407	"	"	"		6.6	0.57	"	"	"	"	
269	5/9	1320	"	"	"		6.3	0.51	"	"	"	"	
270	5/17	1108	"	"	"		6.0	0.45	"	"	"	"	
271	5/23	1337	"	"	"		6.0	0.45	"	"	"	"	
272	5/31	0910	"	"	"		6.0	0.45	"	"	"	"	
273	6/6	1506	"	"	"		5.4	0.34	"	"	"	"	
274	6/14	1003	"	"	"		5.0	0.28	"	"	"	"	
275	6/20	1350	BROOK-WOOD	"	"		4.6	0.23	"	"	"	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	B. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO-PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam (Continued)										
276	6/28	1050	WOOD	"	"		4.4	0.21	"	"	"	"	
277	7/5	0954	BROOK	"	"		4.1	0.17	"	"	"	"	
278	7/19	1425	WOOD	"	"		4.1	0.17	"	"	"	"	
279	7/25	1320	"	"	"		4.0	0.16	"	"	"	"	
280	8/1	1415	"	"	"		3.9	0.15	"	"	"	"	
281	8/8	1250	"	"	"		3.8	0.14	"	"	"	"	
282	8/15	1255	"	"	"		4.0	0.16	"	"	"	"	
283	8/23	1420	"	"	"		3.8	0.14	"	"	"	"	
284	8/30	1005	"	"	"		3.5	0.12	"	"	"	"	
285	9/5	1435	"	"	"		3.5	0.12	"	"	"	"	
286	9/13	0945	"	"	"		3.4	0.11	"	"	"	"	
287	9/19	1540	"	"	"		3.4	0.11	"	"	"	"	
288	9/27	1003	"	"	"		3.5	0.12	"	"	"	"	
			ARROYO SECO near Colorado Street Bridge										
12	1/2	1137 / 1143	WOOD	2.1	0.40	1.25		0.50		.5	8		FC53
13	1/2	1154 / 1202	"	2.1	0.32	1.22		0.39		.5	8		"
			LOS ANGELES RIVER above Sixth Street										
1	5/11	0900 / 0912	BONADIMAN	17.5	5.67	1.38		7.8		.6	9		FC19
2	6/25	1205 / 1215	"	17.0	4.04	1.51		6.1		.6	8		FC61
3	7/10	1520 / 1530	"	16.5	4.78	1.30		6.2		.6	7		FC19
4	8/3	0933 / 0945	BONADIMAN-SJOSTEDT	16.0	4.20	1.71		7.2		.6	9		FC61
5	8/15	1035 / 1045	BONADIMAN	17.0	5.03	1.07		5.4		.6	7		FC19
6	9/12	1225 / 1235	PETERSEN	18.0	6.13	1.37		8.4		.5	8		FC55
			LAGUNA CREEK above Blanchard Street										
109	10-17	1300 / 1308	BONADIMAN	3.0	0.63	0.76		0.48		.6	7		FC61
110	11/17	0940 / 0950	"	3.4	0.66	1.00		0.66		.6	8		"
111	1/16	1100 / 1120	BROOK	CHANNELS				0.61		.5	22		"
112	6/18	0900 / 0906	BONADIMAN	8.0	3.75	0.14		0.53		.6	5		"
113	8/15	0900 / 0910	"	5.1	1.27	0.41		0.52		.6	8		"
114	9/17	0900 / 0915	PETERSEN	CHANNELS				0.40		.5	14		"
			LAGUNA CREEK above D.D.I. No. 26										
24	10/17	1320 / 1330	BONADIMAN	2.8	0.62	0.69		0.43		.6	7		FC61
25	11/17	1005 / 1015	"	3.5	0.79	0.76		0.60		.6	7		"
26	1/16	1131 / 1138	BROOK	3.8	0.60	0.98		0.59		.5	8		"
27	5/9	1445 / 1455	BONADIMAN	6.0	0.92	1.02		0.94		.6	7		"
28	6/18	0915 / 0920	"	4.5	1.27	0.37		0.47		.6	5		"
29	7/16	1000 / 1010	"	6.0	1.72	0.25		0.43		.6	6		"
30	8/15	0920 / 0930	"	4.3	0.72	0.40		0.29		.6	8		"
31	9/17	0935 / 0950	PETERSEN	9.5	0.94	0.47		0.39		.5	9		"
			BIG TUJUNGA CREEK below Big Tujunga Dam (Outflow)										
229	5/21	1522 / 1529	HYDE-BOUCHER	5.5	1.87	1.38		2.6		.5	8		FC60
230	5/23	1004 / 1014	HYDE	5.5	1.58	1.71		2.7		.5	9		"
231	5/31	1450 / 1504	"	6.8	1.90	1.52		2.9		.6	9		"
232	6/6	1440 / 1450	"	6.0	1.73	1.50		2.6		.5	10		"
233	6/13	1044 / 1054	"	6.3	2.23	1.48		3.3		.5	8		FC40
234	6/20	1240 / 1252	"	5.3	2.41	1.66		4.0		.5 / .6	12		FC60
235	6/25	1026 / 1038	"	5.2	2.17	1.80		3.9		.6	12		"
236	7/2	1355 / 1405	MC BRIDE	6.0	2.81	1.14		3.2		.5 / .6	9		FC54
237	7/2	1435 / 1446	"	6.0	2.62	1.45		3.8		.5 / .6	9		"
238	7/11	1220 / 1235	HYDE	6.6	2.45	1.55		3.8		.6	13		FC60
239	7/18	1400 / 1420	"	7.0	2.10	1.81		3.8		.6	11		"
240	7/25	1110 / 1130	"	6.8	2.92	1.75		5.1		.6	14		"
241	8/8	1332 / 1352	"	8.6	3.13	1.76		5.5		.6	13		"
242	8/16	1245 / 1302	"	7.0	3.26	1.63		5.3		.6	14		"
243	8/22	1042 / 1100	WOOD-HYDE	8.7	3.38	1.57		5.3		.5	18		"
244	8/29	1150 / 1205	HYDE	8.8	3.35	1.49		5.0		.6	13		"
245	9/5	1233 / 1252	"	8.3	4.60	1.67		7.7		.6	16		FC40
246	9/12	1335 / 1345	WOOD	10.5	4.22	1.66		7.0		.6	12		FC57
247	9/19	1110 / 1121	"	9.0	4.59	1.48		6.8		.5 / .6	12		"
248	9/26	1107 / 1117	"	8.6	4.17	1.58		6.6		.5 / .6	11		"
			BIG TUJUNGA CREEK - L.A.W.D. Diversion to Spreading Grounds										
114	4/4	1512 / 1522	HYDE-SOLOMON	3.0	0.78	1.41		1.1		.5	6	0	FC60
115	4/18	1527 / 1534	BOUCHER	3.8	0.96	1.15		1.1		.5	5		"
116	5/31	1600 / 1610	HYDE-SOLOMAN	5.2	1.40	1.79		2.5		.5	7		"
117	8/8	1530 / 1540	" "	4.0	2.10	1.43		3.0		.5	11		"
118	8/16	1520 / 1535	HYDE	4.0	2.32	1.12		2.6		.6	11		"
119	8/22	1500 / 1515	WOOD-HYDE	4.0	2.46	1.14		2.8		.6	11		"
120	9/5	1542 / 1556	HYDE-SOLOMON	4.0	2.60	1.58		4.1		.6	9		FC40
121	9/12	0954 / 1004	WOOD	4.0	2.60	1.73		4.5		.6	11		FC57
122	9/19	1515 / 1526	"	4.0	2.66	2.60		6.9		.5 / .6	11		"
123	9/26	1455 / 1505	"	4.0	2.02	1.83		3.7		.5 / .6	9		"
			BIG TUJUNGA CREEK above Oro Vista Street										
70	6/20	1540 / 1550	HYDE	2.0	0.32	1.37		0.44		.5	5		FC60
71	7/2	1045 / 1054	MC BRIDE	3.0	0.66	0.64		0.42		.5 / .6	7		FC49
72	7/18	1615 / 1621	HYDE	2.0	0.32	1.03		0.33		.5	5		FC60
73	8/8	1610 / 1616	"	2.5	0.46	1.02		0.47		.5	6		"
74	8/16	1600 / 1605	"	2.5	0.27	1.00		0.27		.5	6		"
75	8/22	1535 / 1540	WOOD-HYDE	2.3	0.32	1.16		0.37		.5	7		"
76	9/12	0918 / 0925	WOOD	1.5	0.24	1.83		0.44		.5	7		FC53
77	9/19	1558 / 1604	"	3.6	0.72	0.93		0.67		.5	8		FC57

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			BIG TUJUNGA CREEK above Hansen Dam (Inflow)										
39	5/2	1615	BOUCHER					0					
			ARROYO SECO above Millard Creek										
68	2/10	1608 / 1620	WOOD-MEAD	20.0	10.6	4.97		52.7		.5 / .6	13		FC57
			ARROYO SECO below Devil's Gate Dam										
364	2/6	1443 / 1447	WOOD	1.5	0.13	1.15		0.15		.5	6		FC53
365	2/13	1224 / 1227	"	3.0	0.41	1.61		0.66		FLOATS	7		
366	2/20	1442 / 1453	"	3.6	0.53	1.13		0.60		.5	10		FC53
367	2/27	1247 / 1255	"	3.8	0.51	1.12		0.57		.5	10		FC53
368	3/6	1342 / 1351	"	3.8	0.47	1.04		0.49		.5	10		"
369	3/13	1525 / 1533	"	3.8	0.43	1.12		0.48		.5	10		"
370	3/20	1344 / 1353	"	3.7	0.49	0.98		0.48		.5	10		"
371	3/27	1509 / 1519	"	2.8	0.41	1.56		0.64		.5	8		"
372	4/3	1510 / 1520	"	3.8	0.53	0.98		0.52		.5	10		"
373	4/10	1313 / 1320	"	4.0	0.60	0.93		0.56		.5	9		"
374	4/17	1405 / 1415	"	3.7	0.56	1.02		0.57		.5	10		"
375	4/24	1255 / 1305	"	3.6	0.53	1.06		0.56		.5	10		"
376	5/1	1315 / 1323	ROY	3.5	0.65	1.04		0.68		.5	8		FC52
377	5/8	1525 / 1532	WOOD	3.2	0.50	1.00		0.50		.5	9		FC53
378	5/15	1357 / 1408	"	2.6	0.35	1.51		0.53		.5	8		"
379	5/22	1415 / 1422	"	2.9	0.39	1.20		0.47		.5	9		"
380	5/29	1426 / 1435	"	3.3	0.35	1.00		0.35		.5	9		"
381	6/5	1325 / 1332	"	3.2	0.40	1.08		0.43		.5	9		"
382	6/12	1445 / 1453	"	3.5	0.36	1.06		0.38		.5	10		"
383	6/19	1336 / 1344	"	3.5	0.35	0.92		0.32		.5	10		"
384	6/24	1106 / 1119	BOWMAN-WOOD	10.3	3.02	1.32		4.0		.5	10		FC54
385	6/25	0820 / 0830	WOOD	8.2	3.42	1.58		5.4		.5	11		FC57
386	6/25	1354 / 1407	"	5.4	3.88	1.29		5.0		.6	12		"
387	6/25	1428 / 1437	"	7.1	3.83	1.23		4.7		.5 / .6	10		"
388	6/25	1453 / 1505	"	5.8	2.16	2.36		5.1		.5	13		"
389	6/26	1155 / 1201	"	5.2	1.53	1.37		2.1		.5	8		"
390	6/26	1213 / 1220	"	5.8	2.54	2.56		6.5		.5 / .6	8		"
391	6/27	0943 / 0953	"	6.0	2.73	2.27		6.2		.5 / .6	9		"
392	6/28	1600 / 1607	"	5.7	2.55	2.35		6.0		.5 / .6	9		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			ARROYO SECO - PASADENA WATER DEPARTMENT TUNNEL below Devil's Gate Dam										
289	10/10	1123	WOOD	HEAD IN INCHES			3.6	0.12		90° V-NOTCH WEIR			
290	10/25	1315	"	"	"	"	3.4	0.11		"	"	"	
291	11/7	1020	"	"	"	"	3.4	0.11		"	"	"	
292	11/14	1425	"	"	"	"	3.4	0.11		"	"	"	
293	11/23	1420	"	"	"	"	3.1	0.09		"	"	"	
294	11/28	1520	"	"	"	"	3.0	0.08		"	"	"	
295	12/12	1525	"	"	"	"	2.6	0.06		"	"	"	
296	12/19	1317	"	"	"	"	2.6	0.06		"	"	"	
297	12/27	0955	"	"	"	"	2.8	0.07		"	"	"	
298	1/2	1422	"	"	"	"	2.6	0.06		"	"	"	
299	1/16	1220	"	"	"	"	2.6	0.06		"	"	"	
300	1/23	1534	"	"	"	"	1.8	0.02		"	"	"	
301	1/30	1130	"	"	"	"	1.7	0.02		"	"	"	
302	2/6	1437	"	"	"	"	2.3	0.04		"	"	"	
303	2/13	1236	"	"	"	"	3.9	0.15		"	"	"	
304	2/20	1440	"	"	"	"	5.0	0.28		"	"	"	
305	2/27	1305	"	"	"	"	5.2	0.31		"	"	"	
306	3/6	1336	"	"	"	"	5.2	0.31		"	"	"	
307	3/13	1520	"	"	"	"	5.0	0.28		"	"	"	
308	3/20	1403	"	"	"	"	5.4	0.34		"	"	"	
309	3/27	1502	WOOD	HEAD IN INCHES			5.5	0.36		90° V-NOTCH WEIR			
310	4/3	1500	"	"	"	"	5.7	0.39		"	"	"	
311	4/10	1307	"	"	"	"	5.5	0.36		"	"	"	
312	4/17	1355	"	"	"	"	5.5	0.36		"	"	"	
313	4/24	1250	"	"	"	"	5.7	0.39		"	"	"	
314	5/8	1510	"	"	"	"	5.7	0.39		"	"	"	
315	5/15	1349	"	"	"	"	5.7	0.39		"	"	"	
316	5/22	1400	"	"	"	"	5.7	0.39		"	"	"	
317	5/29	1410	"	"	"	"	5.7	0.39		"	"	"	
318	6/5	1320	"	"	"	"	5.5	0.36		"	"	"	
319	6/12	1430	"	"	"	"	5.5	0.36		"	"	"	
320	6/19	1330	"	"	"	"	5.5	0.36		"	"	"	
321	6/25	1530	"	"	"	"	5.5	0.36		"	"	"	
322	7/3	1520	"	"	"	"	4.8	0.26		"	"	"	
323	7/11	1520	"	"	"	"	4.6	0.23		"	"	"	
324	7/18	1525	"	"	"	"	4.0	0.16		"	"	"	
325	7/25	1235	"	"	"	"	3.7	0.13		"	"	"	
326	8/8	1306	"	"	"	"	3.2	0.09		"	"	"	
327	8/21	1535	"	"	"	"	3.1	0.09		"	"	"	
328	8/29	1114	WOOD-BROOK	"	"	"	3.0	0.08		"	"	"	
329	9/5	1545	WOOD	HEAD IN INCHES			3.0	0.08		"	"	"	
330	9/11	1200	BROOK	"	"	"	3.0	0.08		"	"	"	
331	9/19	1415	"	"	"	"	3.1	0.09		"	"	"	
332	9/25	1238	"	"	"	"	4.0	0.16		"	"	"	
			LOS ANGELES RIVER above Sixth Street										
7	11/21	0835 / 0840	BONADIMAN	16.5	3.68	1.09		4.0		.6	7		FC61
8	1/4	0915 / 0925	"	17.0	5.94	0.98		5.8		.6	7	0	"
9	8/28	1145 / 1200	"	16.7	4.30	1.51		6.5		.6	10	0	"
			LOS ANGELES RIVER INFLOW 200' above Pacific Coast Highway										
1	7/8	1330 / 1340	BONADIMAN	8.0	2.95	1.90		5.6		.6	7	0	FC19
2	7/11	1210 / 1220	"	8.0	2.46	1.91		4.7		.6	7	0	"
3	7/18	1300 / 1310	"	8.0	3.48	1.90		6.6		.6	7	0	"
4	7/25	1335	BONADIMAN-LINDSAY					5.5		EST.			
5	8/1	1320 / 1330	BONADIMAN	8.0	3.28	1.80	0.80	5.9		.6	8	0	FC19
6	8/8	1310 / 1320	"	6.0	3.63	1.27	0.60	4.6		.6	7		FC61
7	8/15	1320 / 1335	MAYFIELD-BONADIMAN	8.0	3.19	1.50	0.60	4.8		.6	8	0	FC19

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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 INFLOW 200' above Pacific Coast Highway (Continued)										
8	8/22	1325 / 1335	BONADIMAN-SJOSTEDT	5.0	3.26	1.50	0.66	4.9		.6	7	0	"
9	8/29	1330 / 1340	BONADIMAN	8.0	2.89	1.52	0.67	4.4		.6	8	0	"
10	9/5	1105 / 1110	SJOSTEDT	4.2	2.95	1.63		4.8		.6	6		FC65
11	9/13	1200 / 1210	"	12.0	3.56	1.40		5.0		.5	6		"
			LAGUNA CREEK above Blanchard Street										
115	10/19	0925 / 0935	BONADIMAN	4.0	1.40	0.34		0.47		.6	7	0	FC61
116	11/16	1000 / 1010	"	5.0	0.74	0.60		0.44		.6	8	0	"
117	12/18	0930 / 0940	"	4.0	2.36	0.21		0.50		.6	7	0	"
118	1/16	0900 / 0910	"	4.0	0.69	0.48		0.33		.6	7	0	"
119	2/27	1250 / 1305	"		CHANNELS			0.90		.6	10		"
120	5/7	0935 / 0946	"	5.0	1.23	0.63		0.77		.6	7		"
121	6/17	1315 / 1325	"	4.3	1.67	0.42		0.70		.6	8	0	"
122	7/17	0900	"	90° V-NOTCH WEIR			0.50	0.46					
123	8/7	1330 / 1340	"	3.1	0.46	1.48		0.68		.6	8	0	FC61
124	8/16	1005 / 1015	"	5.0	0.63	1.00	0.24	0.63		.6	9	0	"
125	8/23	0940 / 0945	BONADIMAN-SJOSTEDT	3.5	0.40	0.90	-0.20	0.36		.5	6	0	"
126	8/28	1110 / 1120	BONADIMAN	3.7	0.46	1.02		0.47		.6	6	0	"
127	9/6	1000 / 1010	SJOSTEDT	3.0	1.34	0.39		0.52		.5	7		FC65
128	9/11	1130 / 1135	FALCONE	2.0	0.91	0.79		0.72		.5	5		FC61
129	9/25	0955 / 1000	SJOSTEDT	1.6	0.33	0.85		0.28		.5	5		FC50
			LAGUNA CREEK above D.D.I. No. 26										
32	10/19	0940 / 0950	BONADIMAN	4.8	0.66	0.52		0.34		.6	6	0	FC61
33	11/16	1025 / 1035	"	4.0	1.18	0.26		0.31		.6	6		"
34	12/18	1000 / 1010	"	4.0	1.36	0.40		0.55		.6	6	0	"
35	1/16	0920 / 0930	"	2.6	1.62	0.17		0.28		.6	6	0	"
36	2/27	1315 / 1320	"	4.0	0.44	0.84		0.37		.6	5		"
37	5/7	1000 / 1010	"	5.0	1.12	0.41		0.46		.6	7	0	"
38	6/17	1330 / 1340	"	5.4	0.65	0.65		0.42		.6	7	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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 FE CHANNEL above Sawpit Wash										
1	2/27	1138 / 1145	WOOD	17.0	12.4	5.38		66.7		.6	10		FC57
2	2/27	1507 / 1518	"	18.5	19.7	6.76		133.		.6	11		"
3	2/27	1533 / 1545	"	18.5	18.8	6.55		123.		.6	11		"
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
198	1/22	1305 / 1315	FRAZELLE-WOOD	7.0	4.60	1.30		6.0		.6	8		FC57
199	2/17	1250 / 1308	" "	17.3	13.7	3.37		46.1		.6	18		FC34
200	3/5	1403 / 1417	WOOD-ROBB	15.8	8.39	1.96		16.4		.5/.6	13		FC57
201	3/12	0839 / 0853	WOOD	15.7	8.29	1.80		14.9		.6	13		"
202	3/14	0828 / 0842	"	15.5	7.62	1.88		14.3		.5/.6	12		"
203	3/16	0827 / 0840	"	15.5	7.47	1.82		13.6		.5/.6	12		"
204	3/23	0837 / 0850	"	15.5	7.21	1.88		13.6		.5	12		"
205	3/26	1520 / 1535	"	15.0	6.77	1.61		10.9		.5/.6	14		FC34
206	3/30	1054 / 1108	"	15.3	6.59	1.54		10.1		.5	13		"
207	4/25	1420 / 1435	FALCONE	8.5	4.17	1.56		6.5		.6	17		FC53
208	5/1	1550 / 1602	WOOD	5.0	1.91	2.46		4.7		.5/.6	11		FC57
209	5/4	0950 / 1002	"	5.2	2.02	2.28		4.6		.5	11		"
210	5/9	1011 / 1021	"	4.7	1.84	2.56		4.7		.5	11		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Sierra Madre Spreading Grounds Diversion										
269	10/4	0930 / 0932	FALCONE	0.8	0.04	0.25		0.01		.5	3		FC53
270	10/11	1231	WOOD	90° V-NOTCH WEIR				0.01					
271	11/28	0825 / 0848	FALCONE	9.7	5.88	2.89		17.0		.6	11		FC34
272	11/28	0850 / 0905	"	9.7	6.00	3.04		18.2		.6	11		"
273	11/28	1305 / 1318	"	9.9	5.99	2.89		17.3		.6	12		"
274	11/28	1330 / 1345	"	10.0	5.86	2.92		17.1		.6	12		"
275	11/29	0842 / 0854	WOOD	10.9	6.71	2.65		17.8		.5/.6	14		FC57
276	11/29	0910 / 0928	"	10.9	6.78	2.73		18.5		.5/.6	14		"
277	11/30	0825 / 0845	"	10.5	5.93	2.92		17.3		.5/.6	14		"
278	11/30	0854 / 0910	"	10.5	5.80	2.82		16.3		.5/.6	14		"
279	12/5	1025 / 1046	"	17.0	9.60	4.71		45.4		.5/.6	18		"
280	1/22	1014 / 1026	WOOD-FRAZELLE	9.5	6.28	4.30		27.0		.6	11		"
281	1/22	1033 / 1048	FRAZELLE-WOOD	9.5	7.05	4.25		29.9		.6	11		"
282	1/23	0835 / 0852	" "	9.2	8.27	3.42		28.3		.6	11		"
283	1/24	0929 / 0940	WOOD	9.0	7.95	3.46		27.5		.6	10		"
284	2/7	1346 / 1351	"	8.3	8.32	3.66		30.4		.6	10		"
285	2/9	1626 / 1640	WOOD-FRAZELLE	19.0	16.1	3.82		61.6		.5/.6	20		"
286	2/9	1919 / 1934	" "		CHANNELS			20.8		.5/.6	19		"
287	2/10	1755 / 1815	" "		"			30.6		.5/.6	19		"
288	2/18	1345 / 1359	" "	20.0	25.2	1.20		40.7		.6	15		FC34
289	2/18	1425 / 1448	FRAZELLE-WOOD	19.3	19.4	1.49		29.0		.6	15		"
290	4/27	1729 / 1740	FALCONE	7.6	3.25	2.82		9.2		.5	9		FC24
291	5/1	1424 / 1433	WOOD	6.8	3.50	2.74		9.6		.5/.6	9		FC57
292	5/4	0826 / 0835	"	11.0	2.33	4.93		11.5		.5	12		FC57
293	5/7	1640 / 1646	"	8.0	2.16	4.55		9.8		.5	9		"
294	5/10	0852 / 0906	"	6.2	4.25	1.84		7.8		.5/.6	13		"
295	5/14	1514 / 1528	"	7.1	3.57	2.13		7.6		.5/.6	15		"
296	5/16	1157 / 1203	"	10.0	2.28	5.23		11.9		.5	8		"
297	5/21	1600 / 1612	"	6.0	4.52	2.28		10.3		.5/.6	14		"
298	5/24	1304 / 1316	"	5.8	4.49	2.23		10.0		.6	13		"
299	5/29	1110 / 1125	"	6.3	4.39	2.14		9.4		.5/.6	14		"
300	7/24	0945 / 0955	"	6.3	4.33	3.14		13.6		.6	10		"
301	7/25	1638 / 1648	"	7.6	3.35	2.84		9.5		.5	11		"
302	7/27	0817 / 0829	"	7.4	3.86	2.10		8.1		.5/.6	11		"
303	7/30	1343 / 1355	"	7.9	3.93	1.93		7.6		.5/.6	11		"
304	8/1	1530 / 1540	"	8.0	3.93	1.93		7.8		.5/.6	10		"
305	8/6	1354 / 1405	"	7.9	4.07	1.97		8.0		.5/.6	11		"
306	8/8	1532 / 1543	"	8.2	4.23	1.94		8.2		.5/.6	13		"
307	8/13	0829 / 0840	"	8.0	4.00	1.85		7.4		.5/.6	11		"
308	8/15	1517 / 1528	"	8.2	3.99	1.85		7.4		.5/.6	12		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	SAUBE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK below Sierra Madre Spreading Ground Diversion										
272	11/28	1035 / 1040	FALCONE	1.6	0.19	0.79		0.15		.5	4		FC53
273	12/5	1103 / 1115	WOOD	12.7	9.24	2.86		26.4		.5 / .6	14		FC57
274	12/7	1005 / 1011	"	1.3	0.16	0.94		0.15		.5	7		FC53
275	12/20	1521	"	90° V-NOTCH WEIR				0.06					
276	12/28	1006 / 1011	"	1.1	0.08	1.00		0.08		.5	6		FC53
277	1/4	0829 / 0835	"	1.0	0.07	0.86		0.06		.5	6		"
278	1/11	0942 / 0947	"	1.0	0.06	1.16		0.07		.5	6		"
279	1/17	1153	"	90° V-NOTCH WEIR				0.07					
280	1/22	1107 / 1125	FRAZELLE-WOOD	11.9	6.36	2.51		16.0		.5 / .6	13		FC57
281	1/23	0913 / 0929	" "	11.7	6.08	2.21		13.4		.5 / .6	13		"
282	1/24	1406 / 1425	WOOD	12.7	6.52	2.09		13.6		.5 / .6	15		"
283	1/25	0820 / 0836	"	13.0	6.14	1.91		11.7		.5 / .6	13		"
284	2/1	1220 / 1226	"	1.5	0.17	0.76		0.13		.5	7		FC53
285	2/7	0830 / 0835	"	1.4	0.11	0.64		0.07		.5	6		"
286	2/7	1405 / 1419	"	11.8	3.83	2.04		7.8		.5	13		FC57
287	2/8	1208 / 1217	WOOD-FRAZELLE	14.5	8.83	3.63		32.1		.5 / .6	15		"
288	2/9	1650 / 1700	" "	13.5	9.83	3.35		32.9		.5 / .6	15		"
289	2/9	2000 / 2006	" "	12.2	4.05	2.32		9.4		.5 / .6	12		"
290	2/10	1826 / 1840	" "	10.0	4.16	2.03		8.4		.5 / .6	11		"
291	2/15	1133 / 1148	FRAZELLE	18.5	19.8	2.78		55.0		.6	10		FC34
292	2/17	1110 / 1126	FRAZELLE-WOOD	23.0	27.5	2.25		61.9		.6	11		FC34
293	2/18	0838 / 0853	" "	19.0	25.8	0.72		18.6		.6	11		"
294	2/18	1510 / 1521	" "	15.5	11.4	1.42		16.2		.5 / .6	12		"
295	2/20	1303 / 1317	WOOD	22.0	19.3	1.37		26.5		.6	14		"
			SANTA ANITA CREEK below Clamshell Canyon										
7	2/20	1503 / 1517	WOOD	24.5	15.4	2.61		40.2		.6	14		FC34
8	2/26	1402 / 1415	WOOD-P. WOOD	22.5	14.0	1.49		20.9		.6	15		FC57
			SANTA ANITA CREEK Inflow to Santa Anita Spreading Grounds										
26	11/28	1110 / 1145	FALCONE	2.9	4.79	3.68	1.70	17.6		.6	8		FC34
			EATON CREEK above Eaton Dam (Inflow)										
65	12/2	1035 / 1042	WOOD-FRAZELLE	11.5	4.59	3.77		17.3		.5 / .6	12		FC51
66	12/3	1148 / 1156	FRAZELLE-WOOD	6.8	1.16	2.93		3.4		.5	8		FC53
67	1/21	1352 / 1400	" "	2.9	0.65	1.70		1.1		.5	7		"
68	2/8	1312 / 1319	WOOD-FRAZELLE	11.5	7.34	4.41		32.4		.5 / .6	13		FC57
69	2/9	1533 / 1541	" "	10.6	9.78	3.99		39.0		.6	12		"
70	2/10	1334 / 1344	" "	11.0	8.15	3.50		28.6		.6	12		"
71	2/14	1018 / 1029	FRAZELLE	10.6	3.63	3.80		13.7		.5	11		FC34
72	2/16	1546 / 1557	FRAZELLE-WOOD	9.8	4.38	2.33		10.2		.5 / .6	11		"
73	2/18	1621 / 1629	WOOD	7.6	2.21	1.18		2.6		.5	9		"
74	2/21	1303 / 1315	"	9.6	3.68	2.07		7.6		.5	11		FC53
75	3/6	1558 / 1604	FRAZELLE-BROOK	7.1	2.32	1.99		4.6		.5 / .6	9		FC57
76	3/7	0735 / 0746	BROOK	8.5	2.95	2.13		6.3		.5	10		"
			ALHAMBRA WASH at Mouth of Lined Channel										
4	7/6	0925 / 0938	ROY	21.0	2.76	0.83		2.3		.5	12		FC52
5	7/9	1030 / 1042	"	18.0	1.48	1.16		1.7		.5	10		"
6	7/16	0757 / 0802	ROY-FALCONE	17.0	1.45	1.38		2.0		.5	10		"
7	8/20	0908 / 0918	ROY	14.0	5.59	1.29		7.2		.5 / .6	9		FC56
8	8/20	1042 / 1055	"	14.0	5.70	1.47		8.4		.5 / .6	15		"
9	8/21	0823 / 0837	"	13.8	5.78	1.49		8.6		.5 / .6	15		"
10	8/22	0807 / 0822	"	13.0	5.49	1.37		7.5		.5 / .6	14		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	SAUBE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	S. MT. CHANGE TOTAL	METER NO.
			RIO HONDO AT SAN GABRIEL BOULEVARD -(Mission Bridge) (Rising Water into Zone I Water)										
18	3/21	1445 / 1457	ROY	30.0	17.5	0.61		10.6		.5 / .6	12		FC51
19	3/24	1030 / 1040	ROY-THRELKELD	27.0	7.47	1.12		8.4		.5 / .6	12		"
20	5/3	1036 / 1056	ROY	44.0	27.0	1.48		39.9		.5 / .6	17		"
21	7/11	1110 / 1123	"	18.0	9.28	0.87		8.1		.6	11		FC56
22	7/12	1055 / 1110	"	18.0	9.00	0.91		8.2		.6	11		"
23	7/16	0828 / 0832	ROY-FALCONE	16.0	7.25	1.00		7.3		.6	10		"
24	9/13	1100 / 1107	ROY	11.6	5.37	1.64		8.8		.5 / .6	7		"
			RIO HONDO 300 feet below Mission Bridge										
1	7/9	1125 / 1140	ROY	CHANNELS				7.4		.5	15		FC56
2	7/11	1128 / 1145	"		"			8.2		.5 / .6	15		"
3	7/12	1115 / 1128	"		"			8.2		.5 / .6	14		"
4	8/14	1108 / 1123	"		"			9.8		.5	15		"
5	8/16	0838 / 0848	ROY-MAYFIELD	15.0	5.42	1.36		7.4		.5	9		"
6	8/20	0805 / 0813	ROY	14.0	4.98	1.33		6.6		.5	9		"
7	8/31	1045 / 1100	"	CHANNELS				7.8		.5 / .6	13		"
8	9/6	1025 / 1033	"	15.0	5.52	1.30		7.2		.5 / .6	9		"
9	9/17	1220 / 1230	"	11.0	4.75	1.56		7.4		.5 / .6	7		"
			RIO HONDO 400 feet below Mission Bridge										
1	9/25	0835 / 0844	ROY	15.0	10.0	0.83		8.3		.6	9		FC56
2	9/27	0946 / 0956	ROY-TREJO	14.0	8.93	0.93		8.3		.6	9		"
			RIO HONDO 600 feet below Mission Bridge										
32	7/6	1125 / 1138	ROY	21.0	8.72	1.28		11.2		.5 / .6	12		FC56
33	7/9	1145 / 1200	"	23.6	6.15	1.07		6.6		.5	14		"
34	8/14	1130 / 1143	"	20.0	8.02	1.18		9.5		.5 / .6	12		"
35	8/31	1110 / 1124	"	23.2	8.21	1.14		9.4		.5 / .6	14		"
			RIO HONDO 900 feet below Mission Bridge										
1	8/21	0928 / 0942	ROY	21.0	9.61	1.43		13.7		.6	12		FC56
			RIO HONDO 1100 feet below Mission Bridge										
1	8/21	0950 / 1004	ROY	25.0	13.8	1.71		23.5		.6	14		FC56
			Mission Creek - Outflow from Rio Hondo Bypass										
1	12/6	1311 / 1314	ROY	3.0	0.54	0.94		0.51		.5	4		FC52
2	12/7	1405 / 1407	ROY-FALCONE	2.8	0.43	0.86		0.37		.5	4		"
3	12/14	1352 / 1356	ROY-PENTON	4.5	0.87	0.99		0.86		.5	6		"
4	12/21	1122 / 1125	ROY	4.0	0.70	1.30		0.91		.5	5		"
5	12/28	1442 / 1446	WALTER-ROY	4.0	0.73	1.37		1.0		.5	5		"
6	1/4	1350 / 1353	ROY-GARTNER	4.0	0.74	1.12		0.83		.5	5		"
7	1/18	1313 / 1318	ROY-BOUCHER	5.0	1.21	1.16		1.4		.5	6		"
8	1/26	1008 / 1012	ROY	4.0	0.63	1.06		0.67		.5	5		"
9	2/1	1318 / 1320	ROY-FALCONE	4.0	1.00	1.60		1.6		.5	5		"
			WHITTIER NARROWS RECLAMATION PLANT OUTFLOW 25 feet below Mouth of Pipeline										
1	8/20	1346 / 1354	ROY	13.0	6.87	2.04		14.0		.6	9		FC56
2	8/24	1410 / 1425	"	12.6	8.64	1.67		14.4		.6	14		"
3	8/24	1426 / 1440	"	12.6	8.59	1.71		14.7		.6	15		"

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Santa Anita Dam (Inflow)										
211	2/11	1053 / 1103	WOOD	10.4	2.76	3.62		10.0		.5	12		FC57
212	3/5	1550 / 1556	"	2.5	0.53	1.83		0.97		.5	8		FC53
213	3/20	1002 / 1010	"	3.8	0.99	1.92		1.9		.5	10		"
214	3/27	1034 / 1043	"	4.0	0.87	2.53		2.2		.5	10		"
215	4/10	1555 / 1604	"	4.8	1.27	1.26		1.6		.5	10		"
216	7/16	0850 / 0856	"	1.4	0.20	1.24		0.25		.5	7		"
217	9/12	1026 / 1030	BROOK	0.90	0.08	0.62		0.05		.5	5		FC60
			SANTA ANITA CREEK above Sierra Madre Spreading Grounds Diversion										
309	11/13	1258 / 1305	WOOD	11.5	4.77	8.28		39.5		.5/.6	10		FC57
310	11/14	1036 / 1047	"	16.2	9.48	3.18		30.2		.5/.6	11		"
311	11/15	0845 / 0905	"	19.5	11.0	3.39		37.3		.5/.6	12		"
312	11/16	0815 / 0830	"	19.7	11.1	3.42		38.0		.5/.6	13		"
313	11/16	1530 / 1545	"	13.2	9.10	4.02		36.6		.5/.6	14		"
314	12/17	0833 / 0846	BROOK	10.6	5.73	2.22		12.7		.5/.6	11		FC35
315	12/17	1002 / 1018	"	12.4	6.97	3.93		27.4		.5/.6	13		"
316	12/18	0835 / 0851	"	12.1	7.94	3.26		25.9		.5/.6	14		FC57
317	12/19	0857 / 0912	WOOD	12.1	7.54	3.04		22.9		.5/.6	14		"
318	1/31	0836 / 0852	"	11.6	5.88	3.88		22.8		.5/.6	13		"
319	2/1	0812 / 0825	WOOD	12.0	7.25	3.16		22.9		.5/.6	13		FC57
320	2/10	1344 / 1353	WOOD-MEAD	11.8	9.00	3.13		28.2		.5/.6	13		"
321	2/11	0923 / 0936	WOOD	11.4	9.14	2.59		23.7		.5/.6	13		"
322	2/13	0836 / 0849	"	11.2	9.31	2.31		21.5		.5/.6	13		"
323	2/15	0815 / 0830	"	10.6	8.78	2.29		20.1		.6	12		FC34
324	3/5	1405 / 1419	"	10.1	7.26	2.53		18.4		.5/.6	12		FC57
325	3/6	0905 / 0919	"	11.5	8.12	3.00		24.4		.5/.6	13		"
326	3/8	0821 / 0836	"	12.4	8.73	2.54		22.2		.5	14		"
327	3/13	0848 / 0855	"	1.9	0.25	0.72		0.18		.5	8		FC53
328	3/20	0830 / 0834	"	1.1	0.15	1.13		0.17		.5	5		"
329	3/27	0903 / 0907	"	1.8	0.20	0.80		0.16		.5	6		"
330	4/2	0820 / 0835	"	13.5	9.27	2.55		23.6		.5/.6	15		FC57
331	4/3	0842 / 0855	"	11.5	7.94	2.62		20.8		.5/.6	13		"
332	4/10	1458 / 1501	"	0.8	0.05	1.00		0.05		.5	5		FC53
333	4/17	0820 / 0825	"	1.0	0.10	1.60		0.16		.5	5		"
334	4/24	1553 / 1558	"	1.0	0.07	0.57		0.04		.5	5		"
335	4/29	1025 / 1043	BROOK	12.4	8.13	3.49		28.4		.5/.6	14		FC35
336	5/1	1016 / 1028	ROY	16.4	9.93	2.51		24.9		.6	11		FC56
337	5/2	1243 / 1258	WOOD	12.8	8.71	2.36		20.6		.6	14		FC57
338	5/8	0855 / 0859	"	1.3	0.09	1.12		0.10		.5	6		FC53
339	5/15	0833	WOOD	90° V-NOTCH		WEIR	0.14	0.02					
340	5/22	0840	"	"	"	"	0.15	0.02					
341	5/29	1030	"	"	"	"	0.15	0.02					
342	7/8	0835 / 0847	"	12.5	7.11	2.98		21.2		.6	14		FC57
343	7/8	1555 / 1605	"	15.8	9.80	2.90		28.4		.5/.6	12		"
344	7/10	1547 / 1557	"	15.8	9.91	2.84		28.2		.5/.6	12		"
345	7/12	0825 / 0840	"	13.0	8.92	2.62		23.4		.5/.6	15		"
346	7/13	0810 / 0920	"	7.3	4.40	2.32		10.2		.6	10		"
347	7/13	0937 / 0950	"	10.8	5.06	1.80		9.1		.5	13		"
348	7/15	1013 / 1024	"	9.4	6.11	2.94		17.9		.5/.6	12		"
349	8/8	1028 / 1036	PETERSEN-WOOD	3.7	0.90	1.55		1.4		.5	8		FC53
350	8/15	1300 / 1310	FALCONE	3.0	0.81	1.60		1.3		.5	6		FC58
351	9/12	1100 / 1104	BROOK	2.6	0.59	1.34		0.79		.5	6		FC40
352	9/19	1241 / 1247	"	3.8	0.86	1.28		1.1		.5	7		"
353	9/20	1530 / 1538	WOOD	2.8	0.77	1.95		1.5		.5	7		FC57
354	9/26	1257 / 1307	BROOK	4.1	0.64	1.56		1.0		.5	10		FC60

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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 Sierra Madre Spreading Ground Diversion and/or Clamshell										
296	11/28	0835	WOOD	90° V-NOTCH		WEIR	0.30	0.13					
297	12/5	0847	"	"	"	"	0.28	0.11					
298	12/12	0835 / 0840	"	1.3	0.17	0.47		0.08		.5	6		FC53
299	1/2	0835	"	90° V-NOTCH		WEIR	0.26	0.09					
300	1/9	0815 / 0819	"	1.0	0.07	0.86		0.06		.5	5		FC53
301	1/16	0845	"	90° V-NOTCH		WEIR	0.23	0.07					
302	1/23	0840 / 0845	"	1.0	0.08	0.88		0.07		.5	6		"
303	1/30	0930	"	90° V-NOTCH		WEIR	0.29	0.12					
304	2/10	1358 / 1402	"	6.0	1.88	2.23		4.2		.5	7		FC57
305	2/11	0942 / 0950	WOOD	6.0	2.13	1.92		4.1		.5	8		"
306	2/13	0856 / 0905	"	5.6	2.17	1.57		3.4		.5	8		"
307	2/15	0834 / 0843	"	5.9	2.52	1.90		4.8		.5/.6	9		FC34
308	2/20	1230	"	90° V-NOTCH		WEIR	0.39	0.25					
309	2/27	0818 / 0823	"	1.2	0.15	1.33		0.20		.5	6		FC53
310	8/21	1410 / 1416	"	3.0	0.57	1.38		0.79		.5	7		"
311	8/29	0825 / 0931	WOOD-BROOK	2.8	0.52	1.71		0.89		.5	8	0	"
312	9/5	1019 / 1028	WOOD	3.3	0.64	1.37		0.88		.5	9		"
			EATON CREEK above Eaton Dam (Inflow)										
77	2/10	1501 / 1511	WOOD-MEAD	CHANNELS				14.1		.5	18		FC57
			ALHAMBRA WASH at Mouth of Lined Channel										
11	11/5	0900 / 0920	ROY	29.0	15.3	0.76		11.6		.5/.6	17		FC56
12	1/3	0857 / 0917	"	30.0	14.8	0.66		9.8		.5/.6	17		"
13	1/4	0836 / 0853	"	30.0	14.7	0.66		9.7		.5/.6	17		"
14	1/14	0855 / 0917	"	35.0	26.2	0.53		14.0		.6	19		"
15	1/30	0845 / 0910	"	34.0	21.2	4.06		8.6		.6	19		"
16	1/30	0935 / 0954	"	31.0	15.8	0.54		8.5		.5/.6	18		"
17	3/6	0830 / 0848	"	28.6	19.7	0.92		18.1		.6	17		"
18	3/6	0856 / 0914	"	28.6	19.4	0.92		17.9		.6	17		"
19	3/7	0828 / 0844	"	28.4	17.7	0.75		13.3		.6	16		"
20	3/8	0813 / 0827	"	28.0	17.0	0.81		13.7		.6	16		"
21	3/15	1525 / 1542	"	29.0	21.4	1.05		22.5		.6	17		"
22	3/17	1214 / 1220	ROY-SCHNITTKER	20.0	14.8	1.18		17.5		.6	11		"
23	3/18	0750 / 0800	ROY	23.6	17.2	0.88		15.1		.6	13		"
24	3/29	1050 / 1106	"	31.8	22.9	0.77		17.7		.6	18		"
25	3/29	1530 / 1547	"	28.8	21.6	0.81		17.5		.6	16		"
26	4/13	0801 / 0800	ROY-BROOK	28.4	18.3	0.72		13.2		.5/.6	16		FC51
27	4/15	1435 / 1450	ROY	28.4	13.2	0.83		11.0		.5/.6	16		FC56
			WHITTIER NARROWS RECLAMATION PLANT OUTFLOW 25' below Mouth of Pipeline										
4	10/17	1115 / 1132	ROY	13.6	10.3	1.85		19.1		.5/.6	15		FC56

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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 Cogswell Reservoir										
35	6/7	1151 / 1203	BROOK	11.4	8.26	0.69		5.7		.5/.6	12		FC22
			DEVIL'S CREEK above Junction with San Gabriel River										
33	5/10	1116 / 1130	DE VORE	9.6	2.95	0.61		1.8		.5/.6	11		FC22
			SAN GABRIEL RIVER WEST FORK - MISCELLANEOUS TRIBUTARIES below Cogswell Dam										
			Owl and Coyote Canyons										
64	2/22	1126 / 1130	DE VORE - KEIM	3.2	1.45	0.76		1.1		.6	6		FC22
65	3/1	1204 / 1208	DE VORE	1.8	0.29	0.86		0.25		.5	4		"
			SAN GABRIEL RIVER - West Fork above Bear Creek										
247	10/11	1125 / 1133	BROOK	3.3	0.95	0.55		0.52		.5	7		FC62
248	10/26	1240 / 1250	DE VORE	2.3	0.46	1.00		0.46		.5/.6	8		"
249	11/9	1317 / 1326	"	3.3	0.54	0.63		0.34		.5	8		"
250	11/22	1232 / 1241	DE VORE - KEIM	3.4	0.73	1.64		1.2		.5/.6	9		"
251	12/21	1237 / 1250	DE VORE	6.0	1.82	1.15		2.1		.5/.6	11		"
252	1/18	1111 / 1123	"	4.1	1.14	1.32		1.5		.5/.6	9		"
253	2/1	1255 / 1308	"	9.5	4.05	0.99		4.0		.5/.6	11		FC62
254	3/27	1330 / 1352	DE VORE	38.0	24.4	0.81		19.8		.6	15		FC22
255	4/5	1412 / 1423	"	21.2	13.7	1.33		18.2		.6	12		"
256	5/3	1306 / 1323	"	18.5	12.8	0.99		12.7		.6	14		"
257	5/24	1147 / 1201	BROOK	17.6	12.0	1.00		12.0		.5/.6	13		FC35
258	6/14	1126 / 1144	DE VORE	19.8	15.3	1.18		18.1		.5/.6	14		FC22
259	6/28	1257 / 1316	"	21.1	18.2	1.41		25.7		.6	15		"
260	7/12	1006 / 1023	"	24.1	24.8	1.02		26.3		.6	14		"
261	7/26	1053 / 1111	DE VORE - GARRISON	22.5	20.8	1.70		35.4		.6	15		"
262	8/9	1330 / 1346	DE VORE	24.3	25.4	1.31		33.2		.6	14		"
263	8/24	1038 / 1052	BROOK	20.4	21.0	1.53		32.2		.5/.6	12		FC35
264	9/6	1305 / 1322	DE VORE	22.2	25.3	1.59		40.3		.6	14		FC22
265	9/20	1202 / 1219	BROOK	21.8	24.7	1.72		42.6		.5/.5	13		"
			BEAR CREEK above Junction with San Gabriel River - West Fork										
238	10/11	1140 / 1148	BROOK	2.8	0.52	0.96		0.50		.5	8		FC62
239	10/26	1258 / 1308	DE VORE	2.9	0.51	1.02		0.52		.5/.6	9		"
240	11/9	1333 / 1343	"	2.8	0.59	1.00		0.59		.5	9		"
241	11/22	1251 / 1301	DE VORE - KEIM	4.2	1.13	1.77		2.0		.5/.6	10		"
242	12/21	1301 / 1311	DE VORE	11.2	1.94	3.25		6.3		.5/.6	12		"
243	1/18	1132 / 1126	DE VORE	5.9	1.97	2.18		4.3		.5/.6	12		FC62
244	2/1	1320 / 1329	"	11.1	3.18	2.99		9.5		.5/.6	9		FC22
245	3/19	1523 / 1553	DE VORE - KEIM	19.4	16.2	2.93		47.4		.6	10		"
246	4/5	1435 / 1446	DE VORE	15.1	10.8	3.25		35.1		.6	12		"
247	5/3	1337 / 1357	"	16.5	11.0	1.65		18.2		.6	15		"
248	5/24	1219 / 1237	BROOK	16.0	10.4	1.40		14.6		.5/.6	11		FC35
249	6/14	1251 / 1307	DE VORE	16.1	9.25	1.20		11.1		.5/.6	13		FC22
250	6/28	1329 / 1345	"	15.3	8.30	0.94		7.8		.5/.6	13		"
251	7/12	0834 / 0950	"	15.2	7.99	0.81		6.5		.5/.6	13		FC62
252	7/26	1012 / 1030	DE VORE - GARRISON	15.0	7.10	0.65		4.6		.5/.6	14		"
253	8/9	1402 / 1414	DE VORE	8.6	4.17	0.82		3.4		.6	10		"
254	8/24	1112 / 1125	BROOK	8.6	4.11	0.73		3.0		.5/.6	12		"
255	9/6	1337 / 1347	DE VORE	6.8	3.27	0.61		2.0		.5/.6	9		"
256	9/20	1241 / 1253	BROOK	6.8	3.26	0.64		2.1		.5/.6	13		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION 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 - NORTH FORK above Junction with West Fork										
256	10/11	1216 / 1228	BROOK	4.0	1.01	1.38		1.4		.5	10		FC62
257	10/26	1438 / 1451	DE VORE	4.1	0.96	1.56		1.5		.5/.6	10		"
258	11/9	1357 / 1409	"	4.1	0.93	1.40		1.3		.5	10		"
259	11/22	1430 / 1439	DE VORE - KEIM	6.2	1.36	2.06		2.8		.5	12		"
260	12/21	1343 / 1352	BROOK	3.6	1.47	2.04		3.0		.5	8		FC35
261	1/18	1417 / 1430	DE VORE	5.4	2.03	1.48		3.0		.6	11		FC62
262	2/1	1355 / 1406	"	4.7	2.03	2.56		5.2		.5/.6	10		"
263	2/27	1256 / 1312	"	18.7	11.7	2.70		31.6		.6	13		FC22
264	3/20	1139 / 1152	"	10.5	8.30	2.38		19.7		.6	11		"
265	4/2	1522 / 1536	"	9.5	8.15	2.11		17.2		.6	11		"
266	4/26	1402 / 1409	DE VORE - LINDSAY	11.0	6.40	1.81		11.6		.6	11		"
267	5/3	1421 / 1434	DE VORE	10.7	6.09	1.74		10.6		.6	11		"
268	5/24	1420 / 1430	BROOK	10.0	6.75	1.34		9.1		.5/.6	10		FC35
269	6/14	1336 / 1351	DE VORE	6.3	6.98	1.52		10.6		.6	12		FC22
270	6/28	1410 / 1421	"	8.6	5.71	1.09		6.2		.5/.6	10		"
271	7/12	0856 / 0908	"	9.0	5.80	1.02		5.9		.5/.6	10		"
272	7/26	0930 / 0947	DE VORE - GARRISON	9.0	5.41	0.96		5.2		.5/.6	10		"
273	8/9	1441 / 1453	DE VORE	8.7	4.99	0.88		4.4		.6	10		FC62
274	8/24	1155 / 1207	BROOK	8.6	5.12	0.94		4.8		.5/.6	12		"
275	9/6	1411 / 1423	DE VORE	8.6	4.73	0.85		4.0		.6	10		"
276	9/20	1316 / 1326	BROOK	8.6	4.94	0.83		4.1		.5/.6	12		FC22
			SAN GABRIEL RIVER - NORTH FORK at Narrows										
10	10/26	1414 / 1426	DE VORE	4.9	0.93	1.51		1.4		.5	10		FC62
11	11/22	1407 / 1416	DE VORE - KEIM	5.7	1.47	1.70		2.5		.6/.6	11		"
12	12/21	1325 / 1332	BROOK	3.5	1.41	1.98		2.8		.5	8		FC35
13	1/8	1346 / 1358	DE VORE	5.3	2.56	1.17		3.0		.6	10		FC62
14	2/27	1102 / 1116	"	13.0	10.5	2.77		29.1		.6	12		FC22
15	3/20	1108 / 1122	"	11.1	8.10	2.50		20.2		.6	12		"
16	4/26	1338 / 1349	DE VORE - LINDSAY	11.7	8.65	1.25		10.8		.6	12		"
17	5/24	1340 / 1353	BROOK	11.0	8.12	1.20		9.8		.6	12		FC35
			SAN GABRIEL RIVER - NORTH FORK above Narrows										
10	10/26	1340 / 1353	DE VORE	4.9	1.16	0.95		1.1		.5/.6	11		FC62
11	11/22	1332 / 1340	DE VORE - KEIM	4.5	0.70	3.00		2.1		.5	9		"
12	12/21	1303 / 1311	BROOK	4.2	1.59	1.70		2.7		.5/.6	7		FC35
13	1/18	1313 / 1325	DE VORE	4.7	1.43	1.96		2.8		.5/.6	10		FC62
14	2/27	1009 / 1035	"	CHANNELS				27.3		.6	17		FC22
15	3/20	1027 / 1042	"	11.6	7.46	2.51		18.7		.6	12		"
16	4/26	1250 / 1302	DE VORE - LINDSAY	11.2	6.06	1.77		10.4		.6	12		"
17	5/24	1305 / 1316	BROOK	10.4	5.65	1.48		8.4		.5/.6	12		FC35

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER + Cattle Canyon above East Fork										
156	10/4	1444 / 1452	DE VORE	2.4	0.36	0.22		0.08		.5	7		FC62
157	10/19	1353 / 1400	BROOK	2.7	0.49	0.27		0.13		.5	8		"
158	11/2	1518 / 1526	DE VORE	3.0	0.54	0.56		0.30		.5	8		"
159	11/16	1448 / 1458	"	2.7	0.52	0.60		0.31		.5 .6	8		"
160	11/30	1356 / 1409	"	4.9	1.31	0.99		1.3		.5 .6	10		"
161	1/4	1533 / 1546	"	9.0	2.59	0.93		2.4		.5 .6	9		"
162	1/25	1449 / 1501	"	9.5	2.82	2.09		5.9		.5 .6	11		"
163	3/20	1436 / 1447	"	11.8	8.51	2.89		24.6		.6	12		FC22
164	4/19	1636 / 1647	"	11.6	7.29	2.54		18.5		.6	12		"
165	5/17	1617 / 1627	"	14.4	9.55	1.36		13.0		.6	9		"
166	6/21	1453 / 1503	"	9.8	4.08	1.75		7.1		.5 .6	10		"
167	7/5	1433 / 1443	"	9.7	3.38	1.38		4.6		.5 .6	9		"
168	7/19	1641 / 1653	"	11.9	4.92	0.57		2.8		.5 .6	11		"
169	8/2	1700 / 1709	"	6.1	2.51	1.12		2.8		.6	8		FC62
170	9/13	1544 / 1558	"	5.5	1.80	0.89		1.6		.6	11		"
171	9/27	1532 / 1540	BROOK	5.5	2.03	0.94		1.9		.6	12		"
			SAN GABRIEL RIVER below Metropolitan Aqueduct										
112	10/5	0950 / 1030	FALCONE	17.7	26.0	0.64		16.7		.2 .8	12		FC34
113	10/13	1007 / 1042	WOOD	17.8	25.4	0.65		16.5		.2 .8	12		FC53
114	10/19	1345 / 1425	FALCONE	17.6	25.1	0.61		15.4		.2 .8	13		FC24
115	10/26	1237 / 1313	"	17.6	24.9	0.60		15.0		.2 .8	13		FC34
116	11/2	1410 / 1448	"	17.8	26.1	0.62		16.2		.2 .8	12		"
117	11/9	1310 / 1345	"	17.9	26.7	0.63		16.8		.2 .8	14		"
118	11/16	1412 / 1450	"	17.8	26.3	0.61		16.1		.2 .8	12		"
119	3/12	1104 / 1133	WOOD		CHANNELS			47.6		.6	24		FC57
120	3/14	1038 / 1115	"		"			54.6		.5 .6	26		"
121	3/22	1007 / 1037	"		"			43.1		.5 .6	26		"
122	3/26	0957 / 1033	DE VORE - WOOD		"			45.6		.5 .6	24		FC22
			COMMITTEE OF NINE TUNNEL at Highway Bridge near Canyon Inn										
11	2/24	1104 / 1116	FRAZELLE-WOOD	11.6	7.06	1.77		12.5		.2 .6	12		FC34
12	3/1	1033 / 1045	" "	11.0	6.80	1.83		12.4		.5 .6	12		FC57
13	3/3	0926 / 0938	" "	11.5	7.56	1.84		13.9		.5 .6	13		"
14	3/26	1352 / 1405	WOOD	8.9	4.39	1.60		7.0		.5 .6	12		FC34
15	7/17	1401 / 1407	WOOD-BROOK	7.7	6.85	1.68		11.5		.5 .6	10		FC57
16	7/18	1413 / 1423	" "	8.5	7.50	1.66		12.4		.5 .6	9		"
17	7/20	1303 / 1309	WOOD-BROOK	8.0	7.92	1.54		12.2		.6	9		FC57
18	7/23	1111 / 1120	" "	8.5	7.58	1.69		12.8		.6	10		"
19	7/26	1420 / 1428	" "	8.4	7.81	1.72		13.4		.6	9		"
20	7/30	0945 / 0956	WOOD	8.5	7.77	1.87		14.5		.5 .6	10		"
21	8/2	1248 / 1303	"	8.5	8.17	1.65		13.5		.6	15		"
22	8/9	0956 / 1006	"	8.5	8.37	1.79		15.0		.5 .6	11		"
23	8/14	1531 / 1540	BROOK-WOOD	9.5	8.38	1.99		16.7		.6	10		FC56
24	8/14	1545 / 1600	WOOD-BROOK	8.5	8.00	2.02		16.2		.6	14		"
			SAN GABRIEL CANYON SPREADING GROUNDS BYPASS CHANNEL (Return to River)										
1	7/17	1025 / 1046	WOOD-BROOK	28.1	21.6	1.76		38.1		.5 .6	24		FC57
2	7/20	0850 / 0914	BROOK-WOOD	26.0	15.8	2.08		32.9		.5 .6	23		"
3	7/26	1442 / 1504	WOOD-BROOK	27.4	21.9	1.63		35.6		.6	24		"
4	7/30	1012 / 1035	WOOD	25.5	21.2	1.84		39.0		.5 .6	23		"
			FISH CREEK at Mouth of Canyon										
8	2/24	1326 / 1333	FRAZELLE-WOOD	6.8	1.36	4.11		5.6		.5	8		FC34

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			DUARTE DITCH RETURN at Van Tassel Canyon										
92	12/14	1336 / 1347	WOOD	2.2	0.22	1.22		0.27		.5	8		FC53
93	12/21	1353 / 1400	WOOD-GARTNER	2.2	0.29	1.24		0.36		.5	8		"
94	2/24	1303 / 1307	FRAZELLE-WOOD	3.2	1.25	1.90		2.38		.5	7		FC34
95	4/5	1042 / 1048	WOOD	2.6	0.68	1.22		0.83		.5	7		FC53
96	5/18	0805 / 0813	"	2.5	0.58	0.98		0.57		.5	8		"
			SAN GABRIEL RIVER above Santa Fe Dam (Inflow)										
3	2/24	1643	FRAZELLE-WOOD		CHANNELS			538.		.6	23		FC57
			BIG DALTON CREEK above Big Dalton Dam (Inflow)										
43	12/5	1246 / 1251	MC BRIDE	2.0	0.19	1.74		0.33		.5	6		FC49
44	3/21	1630 / 1700	SARASUA					1.3		COMPOSITE			"
45	3/22	1000 / 1025	"					1.5		"			"
46	3/29	1150 / 1205	"					1.1		"			"
			SAN DIMAS CREEK above San Dimas Dam (Inflow)										
144	11/30	1327 / 1335	SARASUA	3.0	0.49	1.82		0.89		.6	7		FC49
145	12/2	1630 / 1638	SARASUA-MC BRIDE	4.5	0.79	1.39		1.1	FLOATS .5		8		FC54
146	12/5	1400 / 1405	SARASUA	4.0	0.68	1.45		0.99		.6	7		"
147	12/7	1220 / 1230	"	4.0	0.55	1.82		1.0		.6	9		FC49
148	12/19	1150 / 1200	"	7.5	1.26	2.46		3.1		.6	10		"
149	12/21	1020 / 1025	"	2.6	0.55	2.18		1.2		.6	7		"
150	1/21	1058 / 1102	SARASUA-MC BRIDE	5.0	1.26	2.94		3.7		.5	7		FC54
151	2/23	1010 / 1014	" "	4.0	1.30	2.00		2.6		.5	7		"
152	2/12	1934 / 1940	MC BRIDE - MATTIS	26.0	11.1	3.28		36.4		.5	10		"
153	3/3	1120 / 1130	SARASUA	7.0	2.10	3.38		7.1		.6	8		"
154	3/5	1015 / 1025	"	7.5	2.08	2.74		5.7		.6	8		"
155	3/6	0910 / 0915	SARASUA-MATTIS	12.0	3.84	3.23		12.4		.6	7		"
156	3/7	1525 / 1530	SARASUA	10.0	2.40	2.87		6.9		.5	6		FC43
157	3/8	1200 / 1205	"	8.5	2.35	3.02		7.1		.6	6		"
158	3/14	1255 / 1300	"	5.0	1.46	3.22		4.7		.6	7		FC49
159	3/15	1255 / 1300	"	6.0	1.62	2.34		3.8		.6	7		FC26
160	3/19	1435 / 1440	"	5.0	1.38	3.69		5.1		.6	8		"
161	3/22	1330 / 1335	"	3.0	0.65	1.35		0.88		.6	7		FC54
162	3/28	1050 / 1055	"	5.0	1.54	3.25		5.0		.6	9		"
163	3/29	1430 / 1435	"	4.5	1.32	3.18		4.2		.6	10		"
164	4/2	1332 / 1340	SARASUA	5.5	1.45	2.48		3.6		.6	11		FC54
165	4/5	1040 / 1045	"	4.5	1.24	2.82		3.5		.6	9		"
166	4/12	1340 / 1345	"	5.6	1.11	3.06		3.4		.6	9		FC49
167	4/19	1125 / 1330	"	3.5	0.95	3.26		3.1		.6	8		"
168	4/26	1330 / 1335	"	4.0	0.98	3.06		3.1		.6	7		"
169	5/3	1430 / 1435	"	4.0	0.81	2.45		2.0		.6	9		"
170	5/10	1225 / 1230	"	3.5	0.67	2.54		1.7		.6	8		"
171	5/17	1325 / 1330	"	4.0	0.76	2.76		2.1		.6	7		"
172	5/24	1245 / 1250	"	4.5	0.72	2.36		1.7		.6	7		"
173	5/31	1142 / 1146	MC BRIDE - MC CARTY	5.0	0.88	2.04		1.8		.5	7		"
174	6/14	1125 / 1130	SARASUA	4.0	0.64	2.19		1.4		.6	7		"
175	6/21	1350 / 1355	"	2.0	0.25	2.00		0.50		.6	5		"
176	6/28	1220 / 1225	"	1.3	0.16	1.25		0.20		.6	5		"
177	7/5	1425 / 1430	"	1.3	0.16	1.56		0.25		.6	5		"
175	6/21	1350 / 1355	"	2.0	0.25	2.00		0.50		.6	5		"
176	6/28	1220 / 1225	"	1.3	0.16	1.25		0.20		.6	5		"
177	7/5	1425 / 1430	"	1.3	0.16	1.56		0.25		.6	5		"
178	7/12	1530 / 1535	"	2.0	0.22	1.32		0.29		.6	5		"
179	7/19	1300 / 1305	"	1.1	0.16	1.06		0.17		.6	5		"
180	7/26	1315 / 1320	"	0.9	0.10	0.80		0.08		.6	4		"
181	8/2	1318 / 1320	"	0.3	0.03	0.33		0.01		.6	2		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam										
132	10/11	1335 / 1340	SARASUA	0.8	0.10	0.50		0.05		.5	5		FC49
133	10/26	1500 / 1505	"	0.8	0.16	0.81		0.13		.6	5		"
134	11/2	1535 / 1540	"	0.8	0.16	0.63		0.10		.6	5		"
135	11/9	1305 / 1310	"	1.0	0.23	0.44		0.10		.6	5		"
136	11/16	1315 / 1320	"	0.8	0.09	0.66		0.06		.6	5		"
137	12/21	1056 / 1100	"	1.0	0.07	0.57		0.04		.6	5		"
138	12/28	1240 / 1245	"	0.6	0.07	0.71		0.05		.6	4		"
139	1/4	1555 / 1600	"	0.9	0.13	0.61		0.08		.6	4		"
140	1/8	1300 / 1305	"	0.9	0.12	0.75		0.09		.5	4		"
141	5/3	1415 / 1420	"	0.7	0.13	0.62		0.08		.6	4		"
142	5/10	1210 / 1215	"	1.0	0.11	0.45		0.05		.6	4		"
143	5/24	1233 / 1235	"	1.0	0.11	0.82		0.09		.6	4		"
144	6/7	1236 / 1240	MC BRIDE	1.2	0.14	0.79		0.11		.5	4		"
145	6/14	1115 / 1120	SARASUA	0.9	0.16	0.69		0.11		.6	4		"
146	7/5	1510 / 1515	"	0.8	0.12	1.00		0.12		.6	4		"
147	7/12	1515 / 1517	"	1.5	0.15	0.6		0.09		.6	4		"
148	7/26	1410 / 1415	"	1.0	0.11	0.82		0.09		.6	4		"
149	8/9	1440 / 1445	BROOK-SARASUA	1.0	0.10	0.90		0.09		.6	5		"
150	8/16	1140 / 1143	BROOK	1.3	0.11	0.64		0.07		.5	5		"
151	8/23	1248 / 1252	BOUCHER-MC BRIDE	1.2	0.17	0.88		0.15		.5	4		"
152	8/30	1310 / 1315	SARASUA,	1.0	0.22	0.86		0.19		.6	4		FC49
153	9/6	1320 / 1322	"	1.0	0.18	0.89		0.16		.6	4		"
154	9/27	1556 / 1600	"	0.8	0.08	0.25		0.02		.6	4		"
			SAN DIMAS WASH above Puddingstone Diversion Dam										
18	12/5	1210 / 1220	SARASUA	28.5	16.5	5.48		90.3		.6	13		FC54
19	1/23	0930 / 0944	SARASUA-MC BRIDE	31.0	24.1	3.79		91.5		.6	19		"
			WALNUT CREEK - COVINA CANAL OUTLET north of Garvey										
60	10/17	1615 / 1620	SARASUA	2.5	0.67	2.24		1.5		.6	6		FC49
			BANTA DITCH above San Gabriel River Parkway										
34	10/17	1035 / 1039	ROY	3.0	0.62	0.92		0.57		.5	4		FC52
35	10/18	0815 / 0819	"	3.0	0.56	1.12		0.63		.5	4		"
36	10/19	1325 / 1327	"	3.0	0.51	1.06		0.54		.5	4		"
37	10/20	1515 / 1518	"	3.0	0.56	0.98		0.55		.5	4		"
38	8/18	0842 / 0850	"	8.0	5.33	0.47		2.5		.6	9		"
			SAN JOSE CREEK at San Gabriel River Parkway										
36	12/1	1612 / 1615	ROY	4.0	0.98	1.23		1.12		.6	5		FC51
37	1/23	1526 / 1530	ROY-FALCONE	7.3	5.93	2.46		14.6		.6	8		FC51
38	3/11	1007 / 1015	ROY	6.0	3.23	2.48		8.0		.6	7		"
39	3/12	0822 / 0830	"	6.0	3.20	2.40		7.7		.6	7		"
40	8/18	0815 / 0818	"	3.5	0.54	0.69		0.37		.5	5		FC52
41	8/23	1047 / 1050	"	3.4	0.48	0.77		0.37		.5	4		"
42	8/30	1106 / 1108	"	3.4	0.46	0.72		0.33		.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.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			LIVE OAK CREEK below Live Oak Dam										
34	12/6	1130 / 1140	SARASUA	4.5	1.34	2.01		2.7		.6	9		FC54
35	12/6	1630 / 1640	"	6.5	4.27	2.34		10.0		.6	11		"
36	2/21	1020 / 1030	"	4.0	2.74	2.00		5.5		.6	9		"
37	2/21	1230 / 1240	"	7.2	3.97	2.36		9.4		.6	12		"
38	2/23	0930 / 0940	"	7.0	4.53	2.30		10.4		.6	11		"
39	2/26	1150 / 1205	"	7.5	5.37	2.05		11.0		.6	14		"
40	4/18	0826 / 0835	"	4.5	3.36	1.52		5.1		.6	10		"
41	4/18	1435 / 1440	"	4.5	3.49	1.52		5.3		.6	10		"
42	4/19	0840 / 0850	"	4.5	3.37	1.28		4.3		.6	9		"
43	4/23	0905 / 0915	"	5.0	3.12	1.35		4.2		.6	11		"
			THOMPSON CREEK above Thompson Creek Dam (Inflow)										
24	12/2	0434 / 0440	SARASUA	4.0	6.00	5.73		34.4		.6	6		FC54
25	2/8	0815 / 0820	SARASUA-MATTIS	5.0	1.19	3.36		4.0		.6	7		"
26	2/9	1145 / 1150	" "	7.0	3.08	3.90		12.0		.6	7		"
27	2/11	0325 / 0330	" "	8.0	2.32	3.84		8.9		.6	5		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER-WEST FORK above Bear Creek										
266	10/10	1248 / 1305	DE VORE	24.2	24.7	1.88		46.4		.6	14		FC22
267	10/25	1327 / 1340	"	17.0	6.07	0.31		1.9		.5/.6	10		FC62
268	11/8	1023 / 1037	"	5.4	2.70	0.63		1.7		.6	11		"
269	11/21	1126 / 1139	"	5.9	3.01	0.66		2.0		.6	11		"
270	12/6	1125 / 1139	"	6.1	3.20	0.66		2.1		.6	12		"
271	12/20	1224 / 1239	"	6.3	3.26	0.67		2.2		.6	12		"
272	1/3	0946 / 1001	"	6.1	3.21	0.72		2.3		.6	12		"
273	1/17	1028 / 1043	"	6.3	3.23	0.71		2.3		.6	12		"
274	2/7	0958 / 1013	"	6.4	3.32	0.78		2.6		.6	12		"
275	2/20	1059 / 1111	"	6.9	3.74	1.20		4.5		.6	11		FC22
276	3/7	1421 / 1434	"	6.8	3.39	0.94		3.2		.6	12		FC62
277	3/21	1454 / 1509	"	7.2	3.92	1.15		4.5		.5/.6	14		"
278	4/4	1443 / 1457	"	6.8	3.60	1.08		3.9		.6	13		"
279	4/18	1500 / 1514	"	6.0	2.93	1.13		3.3		.6	12		"
280	5/2	0854 / 1008	"	7.7	3.58	1.26		4.5		.6	12		"
281	5/16	1010 / 1028	"	21.9	10.9	1.71		18.6		.5/.6	13		FC22
282	5/29	0843 / 1005	"	17.8	11.6	1.95		22.6		.5/.6	17		"
283	6/13	1310 / 1318	BROOK	17.0	9.72	1.58		15.4		.5/.6	11		"
284	6/27	0956 / 1015	DE VORE	18.0	11.0	1.68		18.5		.6	16		"
285	7/11	1000 / 1020	"	18.6	10.9	1.61		17.5		.5/.6	16		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - WEST FORK above Bear Creek (Continued)										
286	7/25	1025 / 1039	BROOK	13.2	9.87	1.73		17.1		.5 / .6	14		"
287	8/8	0946 / 0958	DE VORE	2.2	0.45	0.87		0.39		.5 / .6	7		FC62
288	8/22	0942 / 0950	"	1.8	0.27	0.81		0.22		.5	7		"
289	9/5	1155 / 1200	BROOK	2.6	0.72	1.39		1.0		.5 / .6	6		"
			BEAR CREEK above Junction with San Gabriel River West Fork										
257	10/10	1321 / 1332	DE VORE	6.9	3.45	0.70		2.4		.6	9		FC62
258	10/25	1302 / 1314	"	7.0	3.58	0.78		2.8		.6	10		"
259	11/8	0955 / 1012	"	7.2	3.68	0.76		2.8		.6	14		"
260	11/21	1257 / 1313	"	7.2	3.86	0.75		2.9		.6	14		"
261	12/6	1250 / 1308	"	7.3	4.10	0.78		3.2		.6	15		"
262	12/20	1250 / 1307	"	7.5	4.21	0.78		3.3		.6	15		"
263	1/3	0918 / 0936	"	7.6	4.31	0.81		3.5		.6	15		"
264	1/17	1000 / 1018	"	7.5	4.31	0.84		3.6		.6	15		"
265	2/7	0927 / 0946	"	8.6	4.39	0.91		4.0		.6	16		"
266	2/20	1125 / 1132	"	15.2	3.42	3.48		11.9		.5	9		FC22
267	3/7	1447 / 1456	"	8.9	3.45	1.97		6.8		.6	10		FC62
268	3/21	1525 / 1536	"	12.4	3.82	2.23		8.5		.5 / .6	11		"
269	4/4	1419 / 1433	"	12.0	3.70	2.19		8.1		.5 / .6	12		"
270	4/18	1524 / 1538	DE VORE	9.3	3.80	1.89		7.2		.6	11		FC62
271	5/2	0928 / 0943	"	10.3	4.70	2.23		10.5		.6	12		"
272	5/16	0936 / 0951	"	9.8	3.78	1.88		7.1		.6	11		"
273	5/29	0918 / 0931	"	9.7	3.50	1.71		6.0		.6	11		"
274	6/13	1027 / 1034	BROOK	7.0	3.11	1.48		4.6		.6	8		"
275	6/27	0930 / 0943	DE VORE	9.2	3.07	1.24		3.8		.6	10		"
276	7/11	0932 / 0947	"	6.6	2.17	1.20		2.6		.6	13		"
277	7/25	0952 / 1004	BROOK	6.0	1.90	0.74		1.4		.5	11		"
278	8/8	0933 / 0943	DE VORE	3.8	1.02	1.37		1.4		.5 / .6	8		"
279	8/22	0929 / 0939	"	3.0	0.80	1.25		1.0		.6	9		"
280	9/5	1207 / 1216	BROOK	3.4	1.06	1.57		1.7		.5 / .6	8		"
			SAN GABRIEL RIVER - NORTH FORK above Junction with West Fork										
277	10/10	1400 / 1412	DE VORE	8.7	5.45	0.77		4.2		.6	10		FC62
278	10/25	1358 / 1410	"	8.8	5.34	0.81		4.3		.6	9		"
279	11/8	0926 / 0937	"	7.5	4.08	1.00		4.1		.6	9		"
280	11/21	1338 / 1351	"	5.6	3.16	1.23		3.9		.6	11		"
281	12/6	1324 / 1339	DE VORE	5.7	3.16	1.27		4.0		.6	12		FC62
282	12/20	1326 / 1340	"	5.8	3.22	1.24		4.0		.6	12		"
283	1/3	0845 / 0900	DE VORE	6.0	3.33	1.26		4.2		.5 / .6	12		FC62
284	1/17	0927 / 0941	"	6.0	3.38	1.31		4.5		.6	12		"
285	2/7	0851 / 0907	"	6.1	3.45	1.36		4.7		.6	12		"
286	2/20	1441 / 1455	"	6.9	3.23	1.73		5.6		.6	12		FC22
287	3/7	1528 / 1548	"	7.1	3.66	1.31		4.8		.6	13		FC62
288	3/21	1557 / 1612	"	7.4	3.50	1.34		4.7		.6	13		"
289	4/4	1516 / 1532	"	7.4	3.99	1.15		4.6		.6	13		"
290	4/18	1426 / 1442	"	7.5	4.02	1.14		4.6		.6	13		"
291	5/2	0849 / 0907	"	7.7	4.15	1.25		5.2		.6	13		"
292	5/16	0901 / 0919	"	7.8	4.06	1.23		5.0		.6	13		"
293	5/29	0844 / 0900	"	7.8	4.07	1.03		4.2		.6	13		"
294	6/13	0954 / 1002	BROOK	7.6	4.14	0.94		3.9		.6	9		"
295	6/27	0856 / 0912	DE VORE	8.3	4.29	0.84		3.6		.6	14		"
296	7/11	0856 / 0913	"	6.6	3.09	1.00		3.1		.6	13		"
297	7/25	0912 / 0924	BROOK	5.8	2.22	1.17		2.6		.5	11		"
298	8/8	0900 / 0915	DE VORE	6.5	3.01	0.96		2.9		.6	12		"
299	8/22	0900 / 0915	"	6.3	2.53	1.03		2.6		.6	13		"
300	9/5	1248 / 1256	BROOK	7.2	2.63	0.91		2.4		.5 / .6	9		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-ING	METH-OD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN GABRIEL RIVER - CATTLE CANYON above East Fork										
172	10/18	1639 / 1648	DE VORE	6.0	2.47	1.01		2.5		.6	8		FC62
173	11/1	1552 / 1606	"	5.6	1.98	0.81		1.6		.5 / .6	12		"
174	11/15	1546 / 1401	"	5.9	2.36	0.85		2.0		.6	12		"
175	11/29	1518 / 1533	"	6.0	2.58	0.85		2.2		.6	12		"
176	12/13	0903 / 0917	"	6.0	2.59	0.89		2.3		.6	12		"
177	12/27	1252 / 1305	"	6.0	2.66	0.90		2.4		.5 / .6	12		"
178	1/10	1529 / 1545	"	6.2	2.76	0.87		2.4		.6	13		"
179	1/24	0912 / 0936	"	6.2	2.75	0.87		2.4		.6	12		"
180	2/14	0857 / 0910	"	8.5	3.27	1.80		5.9		.5 / .6	12		FC22
181	2/28	0855 / 0908	"	7.0	2.74	1.39		3.8		.5 / .6	12		"
182	3/14	0900 / 0914	"	7.5	3.10	1.58		4.9		.5 / .6	12		FC62
183	4/11	0844 / 0857	"	6.8	2.85	1.65		4.7		.6	11		"
184	4/25	0849 / 0907	"	7.9	3.22	1.65		5.3		.6	14		"
185	5/9	0909 / 0925	"	7.0	3.00	1.80		5.4		.6	13		"
186	5/23	0850 / 0906	"	7.6	3.24	1.67		5.4		.6	13		"
187	6/6	1509 / 1516	BROOK	7.0	3.20	1.50		4.8		.6	9		FC22
188	6/20	1541 / 1553	DE VORE	8.0	3.48	0.66		2.3		.6	10		FC62
189	7/3	1558 / 1610	"	8.3	3.15	0.54		1.7		.6	10		"
190	7/18	1542 / 1548	BROOK	3.9	1.41	0.85		1.2		.5	8		"
191	8/1	1551 / 1603	DE VORE	4.3	1.30	0.77		1.0		.5 / .6	10		"
192	9/26	1543 / 1553	"	4.2	1.24	0.97		1.2		.5 / .6	9		"
			SAN GABRIEL RIVER below Metropolitan Aqueduct										
123	2/20	0830 / 0846	WOOD	12.0	9.54	3.22		30.7		.6	13		FC57
124	2/21	0916 / 0930	"	14.0	11.8	3.58		41.2		.5 / .6	15		"
125	2/21	1645 / 1657	BROOK	23.0	16.3	2.56		41.7		.5 / .6	14		FC35
126	2/21	1733 / 1746	"	23.0	16.9	2.28		38.6		.5 / .6	13		"
127	2/22	0920 / 0740	"	22.0	12.1	1.65		20.0		.5 / .6	13		"
128	2/23	1005 / 1019	WOOD	11.6	9.28	2.72		25.2		.6	13		FC57
129	2/25	1547 / 1556	"	11.6	8.51	2.41		20.5		.5 / .6	13		"
130	2/28	1406 / 1418	"	10.5	8.05	1.76		21.9		.5 / .6	12		"
131	3/4	1408 / 1420	"	10.6	8.14	2.51		20.4		.6	12		"
132	3/7	1357 / 1410	"	11.6	8.37	2.56		21.4		.5 / .6	13		"
			SAN GABRIEL - COMMITTEE OF NINE TUNNEL - Highway Bridge near Canyon Inn										
25	2/28	1530 / 1539	WOOD	9.0	3.91	1.69		6.6		.5 / .6	10		FC57
26	3/4	1532 / 1541	"	9.0	3.65	1.78		6.5		.5 / .6	10		"
27	3/7	1530 / 1540	"	9.0	4.05	1.68		6.8		.5 / .6	10		"
			DUARTE DITCH RETURN at Van Tassel Canyon										
97	5/9	1313 / 1320	WOOD	2.7	0.79	0.62		0.49		.5	8		FC53
98	5/16	1258 / 1304	"	2.8	0.76	0.58		0.44		.5	8		"
99	5/23	1258 / 1305	"	2.7	0.72	0.58		0.42		.5	9		"
100	5/31	1330 / 1336	"	2.6	0.65	0.49		0.32		.5	8		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK above San Dimas Dam (Inflow)										
182	1/10	1325 / 1330	SARASUA	2.2	0.34	2.38		0.81		.6	5		FC49
183	2/11	0952 / 0958	SARASUA-MC BRIDE	8.0	1.81	2.76		5.0		.5	9		FC54
184	2/13	1005 / 1015	SARASUA	8.0	1.20	2.34		2.8		.6	10		FC49
185	2/14	0810 / 0825	"	8.0	1.50	3.06		4.6		.6	10		"
186	2/21	1340 / 1350	"	CHANNELS				1.5		.6	11		"
187	2/28	1315 / 1320	"	"	"	"		0.87		.6	10		"
188	3/7	1410 / 1420	"	"	"	"		0.95		.6	7		"
189	3/14	1300 / 1305	"	"	"	"		0.77		.6	8		"
190	3/17	1440 / 1450	MC BRIDE-SARASUA	9.0	2.10	2.95		6.2		.6	11		FC54
191	3/18	1200 / 1210	SARASUA	CHANNELS				3.1		.6	12		FC49
192	3/22	1250 / 1300	"	"	"	"		1.3		.6	10		"
193	3/24	0850 / 0855	"	5.0	0.93	2.37		2.2		.6	7		"
194	4/15	1200 / 1205	"	2.5	0.43	1.91		0.82		.6	6		FC54
195	4/22	1250 / 1300	SARASUA	CHANNELS				1.7		.6	10		FC49
196	4/26	0850 / 0900	MC BRIDE	8.5	1.60	2.81		4.5		.5	10		FC33
197	4/26	0922 / 0929	"	7.5	2.20	2.77		6.1		.5	9		"
198	5/23	1300 / 1305	SARASUA	1.6	0.26	2.46		0.64		.6	6		FC49
199	6/6	1440 / 1445	"	1.8	0.38	0.26		1.0		.6	5		"
200	6/13	1540 / 1550	"	1.7	0.29	1.83		0.53		.6	5		"
201	9/19	1125 / 1130	"	2.7	0.44	3.18		1.4		.6	6		"
			SAN DIMAS CREEK - OLD WATER TUNNEL below San Dimas Dam										
155	10/4	1340	SARASUA	1.5	0.14	0.64		0.09		.6	4		FC49
156	10/18	1338 / 1340	"	1.0	0.14	0.43		0.06		.6	4		"
157	11/29	1317 / 1319	"	0.8	0.08	0.62		0.05		.6	4		"
158	12/6	1336 / 1340	MC BRIDE	1.2	0.11	0.45		0.05		.5	4		"
159	12/13	1405 / 1410	SARASUA	0.9	0.10	0.40		0.04		.6	4		"
160	12/20	1400 / 1405	"	0.8	0.09	0.56		0.05		.6	4		"
161	12/27	1123 / 1125	"	0.6	0.06	0.50		0.03		.6	4	0	"
162	1/3	1448 / 1450	"	0.5	0.07	0.71		0.05		.6	4		"
163	1/10	1352 / 1355	"	0.7	0.07	0.71		0.05		.6	4		"
164	1/17	1322 / 1325	"	0.8	0.08	0.62		0.05		.6	4		"
165	1/24	1305 / 1310	"	0.7	0.10	0.50		0.05		.6	4		FC49
166	1/31	1108 / 1112	MC BRIDE	1.0	0.10	0.60		0.06		.5	3		"
167	2/21	1440 / 1445	SARASUA	0.7	0.11	0.64		0.07		.6	4		"
168	3/7	1355 / 1400	"	1.0	0.17	0.29		0.05		.6	4		"
169	5/9	1510 / 1512	SARASUA-ROY	0.5	0.06	1.67		0.10		.5	4		"
170	5/16	1340 / 1345	SARASUA	0.6	0.06	0.50		0.03		.6	4		"
171	5/23	1410 / 1415	"	0.6	0.06	0.67		0.04		.6	4		"
172	7/11	1410 / 1414	MC BRIDE	1.5	0.26	0.46		0.12		.5	4		"
173	7/18	1210 / 1214	"	1.5	0.21	0.52		0.11		.5	4		"
174	8/1	1600 / 1605	SARASUA	0.8	0.14	0.36		0.05		.6	4		"
175	8/8	1215 / 1220	"	0.6	0.08	0.50		0.04		.5	4		"
176	8/15	1304 / 1308	MC BRIDE	1.5	0.16	0.44		0.07		.5	4		"
			SAN DIMAS WASH above Puddingstone Diversion Dam										
20	10/2	1215 / 1220	SARASUA	14.5	9.65	4.70		45.4		.6	10		FC54
21	10/4	1355 / 1400	"	3.5	1.20	2.25		2.7		.6	7		FC49
22	10/9	1215 / 1220	"	2.7	0.66	1.81		1.2		.6	6		"
23	10/17	1320 / 1330	"	3.0	1.01	2.97		3.0		.6	7		"
24	10/24	1150 / 1155	"	3.0	0.98	2.96		2.9		.6	7		"

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS WASH above Puddingstone Diversion Dam (Continued)										
25	10/25	1215 / 1220	SARASUA	2.2	0.50	1.48		0.74		.6	5		FC49
26	10/26	0925 / 0930	"	2.2	0.48	1.48		0.71		.6	5		"
27	10/26	0940 / 0950	"	5.0	2.81	1.46		4.1		.6	8		"
28	10/29	0830 / 0840	"	4.0	0.58	1.41		0.82		.6	9		"
29	10/31	1025 / 1030	"	3.0	0.76	2.50		1.9		.6	7		"
30	3/22	1450 / 1510	"	14.0	10.1	4.05		40.9		.6	14		FC54
			WALNUT CREEK - COVINA CANAL OUTLET North of Garvey										
61	11/29	1410 / 1420	SARASUA-MC BRIDE	8.50	8.01	2.31		18.5		.6	10		FC54
62	12/9	1340 / 1350	SARASUA	14.0	10.0	2.11		21.0		.6	14		"
			SAN GABRIEL RIVER between Spring Street and 7th Street										
1	9/10	1445 / 1455	FALCONE	3.15	2.67	1.84		4.9		.6	5		FC24

DISCHARGE MEASUREMENTS OF SAN ANTONIO CANYON DRAINAGE AREA

AT OR NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			DROMEDARY DIVERSION near Old Camp Baldy Road										
109	10/5	1245	SARASUA	1.5 FOOT RECTANGULAR WEIR				0.35					
110	10/11	1445	"	"	"	"	"	0.41					
111	10/18	1500	"	"	"	"	"	0.32					
112	10/25	1140	"	"	"	"	"	0.42					
113	11/1	1300	"	"	"	"	"	0.48					
114	11/8	1340	"	"	"	"	"	0.41					
115	11/5	1549	"	"	"	"	"	0.41					
116	11/29	1430	"	"	"	"	"	1.0					
117	12/6	1440	"	"	"	"	"	1.8					
118	12/13	1240	"	"	"	"	"	1.8					
119	12/20	1230	"	"	"	"	"	1.1					
120	12/27	1258	MC BRIDE	"	"	"	"	0.86					
121	1/3	1310	SARASUA	"	"	"	"	0.90					
122	1/10	1430	"	"	"	"	"	0.95					
123	1/18	1400	"	"	"	"	"	0.99					
124	1/24	1015	"	"	"	"	"	0.52					
125	2/1	1630	"	"	"	"	"	1.8					
126	2/7	1045	"	"	"	"	"	1.4					
127	6/13	1200	"	"	"	"	"	1.8					
128	6/20	1320	"	"	"	"	"	1.5					
129	6/28	1120	SARASUA	1.5 FOOT RECTANGULAR WEIR				1.4					
130	7/5	1305	"	"	"	"	"	1.3					
131	7/12	1330	"	"	"	"	"	1.4					
132	7/19	1115	"	"	"	"	"	1.3					
133	7/26	1150	"	"	"	"	"	1.1					
134	8/2	1015	"	"	"	"	"	0.99					
135	8/9	1220	SARASUA-BROOK	"	"	"	"	1.0					
136	8/16	0943	BROOK	"	"	"	"	0.78					
137	8/23	1353	MC BRIDE-BOUCHER	"	"	"	"	0.66					
138	8/30	1205	SARASUA	"	"	"	"	0.74					
139	9/6	1515	"	"	"	"	"	0.63					
140	9/12	1115	"	"	"	"	"	0.74					
141	9/20	1420	"	"	"	"	"	0.66					
142	9/26	1555	"	"	"	"	"	0.86					

SAN ANTONIO - EDISON CONDUIT at Ontario No. 1 Power House

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
249	10/5	1325	SARASUA	9.05	FOOT RECTANGULAR WEIR			3.1					
250	10/11	1450	"	"	"	"	"	3.1					
251	10/8	1515	"	"	"	"	"	3.1					
252	10/25	1155	"	"	"	"	"	3.1					
253	11/1	1330	"	"	"	"	"	3.3					
254	11/8	1345	"	"	"	"	"	3.3					
255	11/15	1550	"	"	"	"	"	3.3					
256	11/29	1350	"	"	"	"	"	4.0					
257	12/6	1520	"	"	"	"	"	6.2					
258	12/13	1315	"	"	"	"	"	5.0					
259	12/20	1310	"	"	"	"	"	5.0					
260	12/27	1348	MC BRIDE	"	"	"	"	5.5					
261	1/3	1340	SARASUA	"	"	"	"	5.4					
262	1/10	1440	"	"	"	"	"	5.2					
263	1/18	1425	"	"	"	"	"	5.2					
264	1/24	1035	"	"	"	"	"	6.5					
265	2/1	1650	"	"	"	"	"	6.0					
266	2/7	1120	"	"	"	"	"	5.7					
267	2/4	1150	"	"	"	"	"	19.6					
268	2/28	1555	"	"	"	"	"	20.4					
269	3/7	1430	SARASUA	9.05	FOOT RECTANGULAR WEIR			20.7					
270	3/14	1540	"	"	"	"	"	20.7					
271	3/21	1350	"	"	"	"	"	21.4					
272	3/28	1415	"	"	"	"	"	21.4					
273	4/4	1425	"	"	"	"	"	21.6					
274	4/10	1200	"	"	"	"	"	21.6					
275	4/18	1110	"	"	"	"	"	21.6					
276	4/25	1350	"	"	"	"	"	21.6					
277	5/2	1545	"	"	"	"	"	21.6					
278	5/9	1430	"	"	"	"	"	21.6					
279	5/16	1310	"	"	"	"	"	21.6					
280	5/23	1255	"	"	"	"	"	21.6					
281	5/29	1140	"	"	"	"	"	20.7					
282	6/6	1458	MC BRIDE	"	"	"	"	19.6					
283	6/13	1250	SARASUA	"	"	"	"	18.4					
284	6/20	1355	"	"	"	"	"	16.5					
285	6/28	1040	"	"	"	"	"	15.4					
286	7/5	1325	"	"	"	"	"	14.3					
287	7/12	1350	"	"	"	"	"	13.3					
288	7/19	1150	"	"	"	"	"	12.6					
289	7/26	1255	SARASUA	9.05	FOOT RECTANGULAR WEIR			11.6					
290	8/2	1130	"	"	"	"	"	11.6					
291	8/9	1250	BROOK	"	"	"	"	10.7					
292	8/16	0955	"	"	"	"	"	10.4					
293	8/23	1305	MC BRIDE - BOUCHER	"	"	"	"	9.7					
294	8/30	1210	SARASUA	"	"	"	"	9.4				0	
295	9/6	1520	"	"	"	"	"	8.8				0	
296	9/12	1120	"	"	"	"	"	9.0					
297	9/20	1430	"	"	"	"	"	8.2				0	
298	9/26	1300	"	"	"	"	"	8.2					

EVEY CREEK - CITY OF POMONA DIVERSION (Canyon Water Co. Diversion) at Mouth of Canyon

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
249	10/5	1330	SARASUA	90° V-NOTCH WEIR				0.04					
250	10/11	1500	"	"	"	"		0.04					
251	10/18	1520	"	"	"	"		0.04					
252	10/25	1205	"	"	"	"		0.05					
253	11/1	1340	"	"	"	"		0.06					
254	11/8	1355	"	"	"	"		0.07					
255	11/15	1555	"	"	"	"		0.10					
256	12/6	1525	"	"	"	"		0.07					
257	12/13	1320	"	"	"	"		0.22					
258	12/20	1315	"	"	"	"		0.11					
259	12/27	1356	MC BRIDE	"	"	"		0.14					
260	1/3	1345	SARASUA	"	"	"		0.15					
261	1/10	1445	"	"	"	"		0.14					
262	1/18	1430	"	"	"	"		0.15					
263	1/24	1040	"	"	"	"		0.09					
264	2/1	1700	"	"	"	"		0.07					
265	2/7	1125	"	"	"	"		0.18					
266	2/14	1155	"	"	"	"		0.08					
267	3/14	1545	"	"	"	"		0.05					
268	3/28	1420	"	"	"	"		0.05					
269	4/4	1450	SARASUA	90° V-NOTCH WEIR				0.05					
270	4/10	1305	"	"	"	"		0.25					
271	4/18	1115	"	"	"	"		0.20					
272	4/25	1355	"	"	"	"		0.23					
273	5/2	1550	"	"	"	"		0.15					
274	5/9	1435	"	"	"	"		0.15					
275	5/16	1345	"	"	"	"		0.11					
276	5/23	1300	"	"	"	"		0.2					
277	5/29	1120	"	"	"	"		0.19					
278	6/6	1504	MC BRIDE	"	"	"		0.16					
279	6/13	1255	SARASUA	"	"	"		0.19					
280	6/20	1400	"	"	"	"		0.13					
281	6/28	1055	"	"	"	"		0.13					
282	7/5	1335	"	"	"	"		0.11					
283	7/12	1355	"	"	"	"		0.10					
284	7/19	1155	"	"	"	"		0.09					
285	7/26	1240	"	"	"	"		0.07					
286	8/2	1135	"	"	"	"		0.07					
287	8/9	1300	BROOK	"	"	"		0.08					
288	8/16	1008	"	"	"	"		0.08					
289	8/23	1418	MC BRIDE - BOUCHER	90° V-NOTCH WEIR				0.07					
290	8/30	1215	SARASUA	"	"	"		0.07					
291	9/6	1525	"	"	"	"		0.07					
292	9/12	1130	"	"	"	"		0.07					
293	9/20	1445	"	"	"	"		0.07					
294	9/26	1300	"	"	"	"		0.06					

DISCHARGE MEASUREMENTS OF SAN ANTONIO CANYON DRAINAGE AREA

AT OR NEAR Miscellaneous Stations DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			DROMEDARY DIVERSION near Old Camp Baldy Road										
143	10/4	1210	SARASUA	1.5-FOOT RECT. WEIR			0.32	0.90					
144	10/11	1535	"	"	"	"	0.30	0.80				0	
145	10/17	1145	"	"	"	"	0.34	0.94				0	
146	10/24	1435	"	"	"	"	0.29	0.78					
147	11/1	1615	"	"	"	"	0.29	0.78				0	
148	11/7	1250	"	"	"	"	0.30	0.82				0	
149	11/14	1420	"	"	"	"	0.32	0.90				0	
150	11/23	1350	"	"	"	"	0.38	1.2					
151	11/29	0810	MC BRIDE	"	"	"	0.37	1.1					
152	12/5	1532	"	"	"	"	0.36	1.1					
153	12/13	1120	SARASUA	"	"	"	0.34	0.99					
154	12/20	1510	"	"	"	"	0.39	1.2					
155	12/27	1220	"	"	"	"	0.41	1.3				0	
156	1/3	1300	"	"	"	"	0.38	1.2				0	
157	1/10	1155	"	"	"	"	0.37	1.1					
158	1/17	1235	"	"	"	"	0.34	0.99					
159	1/24	1100	"	"	"	"	0.39	1.2				0	
160	1/31	1325	MC BRIDE	"	"	"	0.41	1.3					
161	2/7	1345	SARASUA	"	"	"	0.39	1.2				0	
162	2/14	1430	SARASUA-MC BRIDE	"	"	"		0					
163	5/9	1100	SARASUA-ROY	"	"	"	0.42	1.4					
164	5/16	1525	SARASUA	"	"	"	0.34	0.99					
165	5/23	1520	"	"	"	"	0.34	0.99				0	
166	5/29	1155	"	"	"	"	0.41	1.3				0	
167	6/6	1605	"	"	"	"	0.44	1.5				0	
168	6/12	1235	"	"	"	"	0.36	1.1				0	
169	6/20	1640	"	"	"	"	0.35	1.0				0	
170	6/27	1420	HYDE	"	"	"	0.31	0.86				0	
171	7/3	1420	"	"	"	"	0.29	0.78					
172	7/11	1115	MC BRIDE	"	"	"	0.28	0.74					
173	7/18	1410	"	"	"	"	0.23	0.55					
174	7/25	1135	SARASUA	"	"	"	0.37	1.1				0	
175	8/8	1025	"	"	"	"	0.24	0.59					
176	8/15	1120	MC BRIDE	"	"	"	0.16	0.32					
177	8/22	1240	SARASUA	"	"	"	0.34	0.99				0	
178	8/29	1250	"	"	"	"	0.20	0.45					
179	9/5	1745	"	"	"	"	0.21	0.48				0	
180	9/13	1240	"	"	"	"	0.20	0.45				0	
181	9/19	0845	"	"	"	"	0.40	1.3				0	
182	9/26	1120	"	"	"	"	0.32	0.90				0	

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
			SAN ANTONIO-EDISON CONDUIT at Ontario No. 1 Power House										
299	10/4	1215	SARASUA	9.05 FOOT RECT. WEIR			0.43	8.5					
300	10/11	1540	"	"	"	"	0.41	7.9				0	
301	10/17	1155	"	"	"	"	0.42	8.2				0	
302	10/24	1440	"	"	"	"	0.41	7.9				0	
303	11/1	1630	"	"	"	"	0.40	7.6				0	
304	11/7	1255	"	"	"	"	0.40	7.6				0	
305	11/14	1425	"	"	"	"	0.40	7.6					
306	11/23	1355	"	"	"	"	0.39	7.3					
307	11/29	0848	MC BRIDE	"	"	"	0.40	7.6					
308	12/5	1602	"	"	"	"	0.39	7.3					
309	12/13	1125	SARASUA	"	"	"	0.39	7.3					
310	12/20	1515	"	"	"	"	0.39	7.3				0	
311	12/27	1230	"	"	"	"	0.39	7.3				0	
312	1/3	1255	"	"	"	"	0.38	7.1					
313	1/10	1200	"	"	"	"	0.38	7.1					
314	1/17	1235	"	"	"	"	0.39	7.3					
315	1/24	1055	"	"	"	"	0.38	7.1				0	
316	1/31	1408	MC BRIDE	"	"	"	0.40	7.6					
317	2/7	1355	SARASUA	"	"	"	0.37	6.8				0	
318	2/14	1500	MC BRIDE	"	"	"	0.47	9.7				0	
319	2/21	1155	SARASUA	9.05 FOOT RECT. WEIR			0.43	8.5				0	
320	2/28	1150	"	"	"	"	0.43	8.5				0	
321	3/7	1215	"	"	"	"	0.43	8.5				0	
322	3/14	1215	"	"	"	"	0.42	8.2				0	
323	3/21	1425	"	"	"	"	0.43	8.5					
324	3/28	1345	"	"	"	"	0.45	9.1					
325	4/4	1100	"	"	"	"	0.41	7.9					
326	4/11	1545	"	"	"	"	0.41	7.9					
327	4/18	1355	"	"	"	"	0.42	8.2					
328	4/25	1100	"	"	"	"	0.43	8.5					
329	5/2	1335	"	"	"	"	0.39	7.3					
330	5/9	1025	"	"	"	"	0.41	7.9				0	
331	5/16	1510	"	"	"	"	0.43	8.5					
332	5/23	1525	"	"	"	"	0.45	9.1					
333	5/29	1220	"	"	"	"	0.41	7.9				0	
334	6/6	1610	"	"	"	"	0.46	9.4				0	
335	6/12	1305	"	"	"	"	0.45	9.1				0	
336	6/20	1645	"	"	"	"	0.41	7.9				0	
337	6/27	1435	HYDE	"	"	"	0.40	7.6					
338	7/3	1445	"	"	"	"	0.38	7.1					
339	7/18	1518	MC BRIDE	"	"	"	0.35	6.2					
340	7/25	1140	SARASUA	"	"	"	0.35	6.2				0	
341	8/1	1645	"	"	"	"	0.34	6.0				0	
342	8/8	1030	"	"	"	"	0.34	6.0				0	
343	8/15	1040	MC BRIDE	"	"	"	0.32	5.5					
344	8/22	1250	SARASUA	"	"	"	0.32	5.5				0	
345	8/29	1300	"	"	"	"	0.32	5.5				0	
346	9/5	1750	"	"	"	"	0.31	5.2				0	
347	9/13	1250	"	"	"	"	0.30	5.0				0	
348	9/19	0840	"	"	"	"	0.37	6.8				0	
349	9/26	1130	"	"	"	"	0.33	5.7				0	

EVEY CREEK - CITY OF POMONA DIVERSION (CANYON WATER CO. DIVERSION)

at Mouth of Canyon

NO.	DATE	BEGIN / END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RATING	METHOD	MEAS. SEC. NO.	G. HT. CHANGE TOTAL	METER NO.
295	10/4	1230	SARASUA	90° V-NOTCH WEIR			0.27	0.10					
296	10/11	1540	"	"	"	"	0.25	0.08					
297	10/17	1200	"	"	"	"	0.25	0.08				0	
298	10/24	1445	"	"	"	"	0.27	0.10					
299	11/1	1640	"	"	"	"	0.27	0.10				0	
300	11/7	1315	"	"	"	"	0.27	0.10					
301	11/14	1425	"	"	"	"	0.28	0.11					
302	11/23	1350	"	"	"	"	0.28	0.11					
303	11/29	0858	MC BRIDE	"	"	"	0.30	0.13					
304	12/5	1620	"	"	"	"	0.29	0.12					
305	12/13	1130	SARASUA	"	"	"	0.28	0.11				0	
306	12/20	1515	"	"	"	"	0.29	0.12					
307	12/27	1240	"	"	"	"	0.28	0.11					
308	1/3	1325	SARASUA	"	"	"	0.29	0.12				0	
309	1/10	1205	"	"	"	"	0.32	0.15					
310	1/17	1245	"	"	"	"	0.29	0.12					
311	1/24	1105	"	"	"	"	0.30	0.13					
312	1/31	1345	MC BRIDE	"	"	"	0.24	0.07					
313	2/7	1400	SARASUA	"	"	"	0.29	0.12					
314	2/14	1505	"	"	"	"	0.27	0.10					
315	2/21	1210	"	"	"	"	0.35	0.19				0	
316	2/28	1215	"	"	"	"	0.31	0.14					
317	3/7	1225	"	"	"	"	0.32	0.15				0	
318	3/14	1220	"	"	"	"	0.31	0.14				0	
319	3/21	1430	"	"	"	"	0.31	0.14					
320	3/28	1400	"	"	"	"	0.27	0.10					
321	4/4	1100	"	"	"	"	0.30	0.13				0	
322	411	1550	"	"	"	"	0.32	0.15				0	
323	4/18	1400	"	"	"	"	0.28	0.11				0	
324	4/25	1105	"	"	"	"	0.34	0.18					
325	5/2	1340	"	"	"	"	0.32	0.15					
326	5/9	1025	SARASUA-ROY	"	"	"	0.34	0.18					
327	5/16	1500	SARASUA	"	"	"	0.31	0.14					
328	5/23	1530	SARASUA	90° V-NOTCH WEIR			0.32	0.15					
329	5/29	1205	"	"	"	"	0.32	0.15				0	
330	6/6	1615	"	"	"	"	0.34	0.18					
331	6/12	1310	"	"	"	"	0.36	0.20				0	
332	6/20	1650	"	"	"	"	0.29	0.12				0	
333	6/27	1455	HYDE	"	"	"	0.27	0.10				0	
334	7/3	1450	"	"	"	"	0.27	0.10					
335	7/11	1207	MC BRIDE	"	"	"	0.27	0.10					
336	7/18	1525	"	"	"	"	0.26	0.09					
337	7/25	1145	SARASUA	"	"	"	0.22	0.06				0	
338	8/1	1655	"	"	"	"	0.22	0.06					
339	8/8	1035	"	"	"	"	0.22	0.06					
340	8/15	1045	MC BRIDE	"	"	"	0.20	0.05					
341	8/22	1300	SARASUA	"	"	"	0.21	0.05				0	
342	8/29	1300	"	"	"	"	0.20	0.05				0	
343	9/5	1800	"	"	"	"	0.19	0.04				0	
344	9/13	1245	"	"	"	"	0.14	0.02				0	
345	9/19	0905	"	"	"	"	0.22	0.06				0	
346	9/26	1140	"	"	"	"	0.23	0.07				0	

PERCOLATION LOSSES ON CASTAIC CREEK

BASED ON METER MEASUREMENTS

1961-62

DATE	CASTAIC CREEK AT ELIZABETH LAKE CANYON HIGHWAY	ELIZABETH LAKE CREEK 2.4 MILES ABOVE CASTAIC CREEK	TOTAL FLOW CFS	CASTAIC CREEK AT HIGHWAY 126	LOSS CFS
2-26	75.6	36.5	112.1	28.6	83.5
3-1	53.5	27.9	81.4	8.7	72.7
3-8	37.0	25.1	62.1	13.7	48.4
3-15	24.7	18.4	43.1	4.6	39.5
3-22	21.4	17.6	39.0	2.8	36.2
3-29	18.1	14.0	32.1	1.7	30.4
4-12	9.1	9.5	18.6	0	18.6

PERCOLATION LOSSES ON PACOIMA CREEK

BASED ON METER MEASUREMENTS

1961-62

DATE	FLUME BELOW DAM	NET FLOW DIVERTED AT RANCH	FLOW 400' BELOW RANCH INTAKE	LOSS CFS	FLOW 100' ABOVE UPPER RANCH WELL	LOSS CFS	FLOW 50' ABOVE LOWER RANCH WELL	LOSS CFS	HEAD OF LOPEZ RESERVOIR	LOSS CFS	OUTFLOW FROM LOPEZ RESERVOIR	LOSS CFS
8-14	10.8	1.8	8.3	0.7	6.3	2.0			5.3	1.0	1.9	3.4
8-22	10.7	3.0	7.7	0	7.7	0	6.1	1.6	1.3	4.8	0.99	0.31
8-30	9.9								5.2	4.7		

PERCOLATION LOSSES ON BIG TUJUNGA CREEK

BASED ON METER MEASUREMENTS

1961-62

DATE	FLOW ABOVE GOLD CANYON	FLOW AT L.A.W.D. DIVERSION	LOSS CFS	FLOW ABOVE ORO VISTA STREET	LOSS CFS	INFLOW TO HANSEN RESERVOIR	LOSS CFS
4-26	17.4	14.7	2.7	14.1	0.6	13.4	0.7

PERCOLATION LOSSES ON BIG TUJUNGA CREEK

BASED ON METER MEASUREMENTS

1962-63

DATE	OUTFLOW FROM DAM	FLOW AT GAGING STATION F168-R	LOSS CFS	FLOW AT GAGING STATION F213R ABOVE GOLD CANYON	(+) GAIN OR (-) LOSS CFS	FLOW AT AT L.A.W.D. DIVERSION	LOSS CFS	FLOW ABOVE ORO VISTA STREET	(-) LOSS OR (+) GAIN CFS
4-4				2.2		1.1	1.1	0.31	- 0.79
4-18				2.5		1.1	1.4	0.2	- 0.9
8-8				5.2		1/3.0	2.2	0.47	+ 0.47
8-16	5.3	4.8	0.5	5.4	+ 0.6	1/2.6	2.8	0.27	+ 0.27
9-12	7.0	6.2	0.8	6.2	0	1/4.5	1.7	0.44	+ 0.44
9-19	6.8	6.4	0.4	9.7	+ 3.3	1/6.9	2.8	0.67	+ 0.67

1/ L.A.W.D. SPREADING GROUNDS TAKING ALL FLOW

PERCOLATION LOSS ON NORTH FORK COYOTE CREEK

BASED ON METER MEASUREMENTS

1961-62

DATE	FLOW ABOVE TELEGRAPH ROAD F349-R	FLOW AT IMPERIAL HIGHWAY F348-S	(-) LOSS OR (+) GAIN CFS	FLOW ABOVE DUMP	LOSS CFS	FLOW BELOW DUMP	LOSS CFS
10-4	0.36	0.39	+ 0.03			0.22	0.17
10-10	0.11	0.20	+ 0.09			0.06	0.14
10-17	0.15	0.26	+ 0.11			0.11	0.15
10-24	0.18	0.18	0			0.06	0.12
11-7	0.20	0.15	- 0.05			0.10	0.05
11-14	2.7	2.9	+ 0.2			2.3	0.6
11-21	0.98					0.73	0.25
11-25	10.9					9.2	1.7
1-2	0.09	0.06	- 0.03	0	- 0.06		
1-9	1.7					0.5	1.2
1-16	2.0					1.3	0.7

PERCOLATION LOSSES ON SAN DIMAS CREEK AND WASH

BASED ON METER MEASUREMENTS

1962-63

DATE	FLOW 800' ABOVE U.S.F.S. FLUME	FLOW 150' BELOW U.S.F.S. FLUME	LOSS CFS	FLOW 150' ABOVE WEST FORK	LOSS CFS	FLOW 800' BELOW WEST FORK	GAIN CFS	OUTFLOW PUDDINGSTONE DIVERSION DAM	FLOW 700' BELOW DAM	LOSS CFS	FLOW AT ROMOLO STREET	LOSS CFS	FLOW 350' BELOW ROMOLO STREET	LOSS CFS	FLOW 450' BELOW ROMOLO STREET	LOSS
10-26																
4-29	1.9	1.7	0.2	1.5	0.2	2.2	0.7	10.4	3.9	6.3	2.5	1.4	0.65	1.85	0	1.85

PERCOLATION LOSSES ON RIO HONDO

BASED ON METER MEASUREMENTS

1961-62

DATE	FLOW AT LOWER AZUSA ROAD	FLOW 1300' BELOW GARVEY AVENUE	GAIN CFS	ALHAMBRA WASH ABOVE RIO HONDO	FLOW 1000' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	FLOW 200' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS
3-2	210.	211.	1.0	1/ 3.7	222.	7.3		
3-12					9.5			
3-13		2.1		1/ 1.4	8.8	5.3		
3-14		0.98		1/ 0.57	6.4	4.85		
7-6		0.14		1/ 2.3	5.6	3.16	8.4	2.8

1/ INFLOW TO RIO HONDO

DATE	FLOW 50' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	FLOW AT SAN GABRIEL BOULEVARD	GAIN CFS	FLOW 150' BELOW SAN GABRIEL BOULEVARD	GAIN CFS	FLOW 300' BELOW SAN GABRIEL BOULEVARD	(-) LOSS OR (+) GAIN CFS	FLOW 600' BELOW SAN GABRIEL BOULEVARD	(-) LOSS OR (+) GAIN CFS
3-2									220.	- 2.0
3-12	13.0	3.5							15.0	+ 2.0
3-13	12.4	3.6					12.4	0	12.3	- 0.1
3-14	10.3	3.9			11.3	1.0	10.8	- 0.5		
7-6			9.2	0.8			9.7	± 0.5	11.2	+ 1.5

PERCOLATION LOSSES ON RIO HONDO

BASED ON METER MEASUREMENTS

1962-63

DATE	FLOW 1300' BELOW GARVEY AVENUE	FLOW 400' BELOW LINED CHANNEL	GAIN CFS	FLOW 1200' BELOW LINED CHANNEL	GAIN CFS	FLOW 1600' BELOW LINED CHANNEL	GAIN CFS	ALHAMBRA WASH ABOVE RIO HONDO	TOTAL FLOW CFS	FLOW 600' BELOW ALHAMBRA WASH	GAIN CFS
9-24	2.08	2.13	0.05	2.20	0.07	2.38	0.18	0.39	2.77	3.35	0.68

DATE	FLOW 1100' BELOW ALHAMBRA WASH	LOSS CFS	FLOW 1600' BELOW ALHAMBRA WASH	LOSS CFS	FLOW 2100' BELOW ALHAMBRA WASH	LOSS CFS	FLOW 2100' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	FLOW 1500' ABOVE SAN GABRIEL BOULEVARD	LOSS CFS	FLOW 1000' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	FLOW 900' BELOW SAN GABRIEL BOULEVARD
9-24	3.00	0.35	2.92	0.08	2.67	0.25	2.89	0.22	1.97	0.92	2.7	0.74	0

PERCOLATION LOSSES ON MISSION CREEK

BASED ON METER MEASUREMENTS

1961-62

DATE	BELOW LEGG LAKE	200' ABOVE SAN GABRIEL BOULEVARD	GAIN CFS	AT SAN GABRIEL BOULEVARD	GAIN CFS	50' BELOW RIO HONDO BY-PASS CHANNEL	LOSS CFS	150' BELOW WHITTIER NARROWS DAM	LOSS CFS	200' BELOW WHITTIER NARROWS DAM	LOSS CFS
1-9	0.37	0.73	0.36	0.82	0.09	0.72	0.10	0.03	0.69	0	0.69
3-12	0.23			2.31	2.08	2.28	0.03	2.19	0.09		

PERCOLATION LOSSES ON SAN GABRIEL RIVER

BASED ON METER MEASUREMENTS

1961-62

POINT OF FLOW	10-6-61 CFS	10-6-61 (-) LOSS OR (+) GAIN	10-24 CFS	10-24 (-) LOSS OR (+) GAIN	10-27 CFS	10-27 (-) LOSS OR (+) GAIN	10-31 CFS	10-31 (-) LOSS OR (+) GAIN	11-3 CFS	11-3 (-) LOSS OR (+) GAIN	11-8 CFS	11-8 (-) LOSS OR (+) GAIN	11-10 CFS	11-10 (-) LOSS OR (+) GAIN	11-16 CFS	11-16 (-) LOSS OR (+) GAIN	11-22 CFS	11-22 (-) LOSS OR (+) GAIN
MWD OUTLET AT SAN BERNARDINO RD.	245.		290.		218.		246.				195.		195.		210.			
BELOW VALLEY BOULEVARD			260.	- 30.	193.	- 25.	226.	- 20.					171.	- 24.	186.	- 24.		
BELOW ZONE I HEADWORKS																	95.6	
ABOVE WHITTIER NARROWS DAM	190.	- 55.	241.	- 19.	169.	- 24.	195.	- 31.					148.	- 23.	164.	- 22.		
RISING WATER	E 2.0	+ 2.0	E 2.0	+ 2.	E 2.0	+ 2.0	E 3.0	+ 3.0										
AT BEVERLY BOULEVARD	170.	- 22.	213.	- 30.	155.	- 16.	172.	- 26.					124.	- 24.	149.	- 15.		
COASTAL SPREADING GROUNDS	148.	- 22.	188.	- 25.	129.	- 26.	147.	- 25.					106.	- 18.	127.	- 22.		
DIVERSION TO SPREADING GROUNDS					14.										21.	- 21.		
BELOW SPREADING GROUNDS DIV.					115.				98.3						106.			
AT WASHINGTON BOULEVARD			110.	- 78.	56.4	- 58.6			37.5	- 60.8							42.3	- 53.3
AT SLAUSON AVENUE					45.9	- 10.5			25.5	- 12.0					34.2	- 71.8		
AT TELEGRAPH ROAD					19.9	- 26.			6.4	- 19.1	8.7	- 186.3			8.0	- 26.2		
AT SANTA ANA FREEWAY					10.5	- 9.4			2.0	- 4.4								
AT FLORENCE AVENUE			28.5	- 81.5	5.3	- 5.2			0	- 2.0								

E ESTIMATED FLOW

1961-62 PERCOLATION LOSSES ON SAN GABRIEL RIVER (CONTINUED)

POINT OF FLOW	12-7 CFS	12-7 (-) LOSS OR (+) GAIN	12-20 CFS	12-20 (-) LOSS OR (+) GAIN	12.28 CFS	12.28 (-) LOSS OR (+) GAIN	1-4-62 CFS	1-4-62 (-) LOSS OR (+) GAIN	1-9 CFS	1-9 (-) LOSS OR (+) GAIN	1-25 CFS	1-25 (-) LOSS OR (+) GAIN	2-1 CFS	2-1 (-) LOSS OR (+) GAIN	2-2 CFS	2-2 (-) LOSS OR (+) GAIN	2-23 CFS	2-23 (-) LOSS OR (+) GAIN
BELOW SANTA FE DAM (OUTFLOW)																	302.	
MWD OUTLET AT SAN BERNARDINO RD.	264.		260.		265.		267.				260.		262.				148.	- 154.
BELOW VALLEY BOULEVARD	219.	- 45.	217.	- 43.	228.	- 37.	246.	- 21.			206-	- 54.	210.	- 52.			127.	- 21.
SAN JOSE CHANNEL (INFLOW)																	0.6	+ 0.6
ZONE I HEADWORKS	195.	- 24.	204.	- 13.	212.	- 16.	209.	- 37			187.	- 19.	191.	- 9.0				
DIVERSION TO RIO HONDO			88.		92.								97.					
BELOW ZONE I HEADWORKS			116.		120.								94.					
SAN JOSE CREEK (INFLOW)																	10.9	+ 10.9
RISING WATER	E 6.0	+ 6.0			E 6.0	+ 6.0	E 6.0	+ 6.0			E 10.	+ 10.	E 12.	+ 12.			E 10.	+ 10.0
AT BEVERLY BOULEVARD	173.	- 28.	106.	- 10.	118.	- 8.0					187.	- 10.	102.	- 4.0			134.	- 14.5
COASTAL SPREADING GROUNDS	160.	- 13.					190.5	- 25.5			177.	- 10.	93.	- 9.0	77.5		134.	0
DIVERSION TO SPREADING GROUNDS	63.9						84.7				93.4							
BELOW SPREADING GROUNDS DIV.	96.1						105.8		109.3		83.6				77.5			
AT WASHINGTON BOULEVARD	38.6	- 57.5	57.	- 49.	58.5	- 59.5	56.4	- 49.4	71.2	- 38.1	47.9	- 35.7			48.3	- 29.2		
AT SLAUSON AVENUE									58.2	- 13.0					37.4	- 10.9		
AT TELEGRAPH ROAD					12.0	- 46.5	0	- 56.4	24.5	- 33.7					8.9	- 28.5		
AT SANTA ANA FREEWAY									11.6	- 12.9					0.3	- 8.6		
AT FLORENCE AVENUE					0	- 12.0			5.0	- 6.6					0	- .03		

E ESTIMATED FLOW

1961-62 PERCOLATION LOSSES ON SAN GABRIEL RIVER (CONTINUED)

POINT OF FLOW	2-24-62 CFS	2-24-62 (-) LOSS OR (+) GAIN	3-1 CFS	3-1 (-) LOSS OR (+) GAIN	3-8 CFS	3-8 (-) LOSS OR (+) GAIN	3-10 CFS	3-10 (-) LOSS OR (+) GAIN	3-11 CFS	3-11 (-) LOSS OR (+) GAIN	3-12 CFS	3-12 (-) LOSS OR (+) GAIN	3-14 CFS	3-14 (-) LOSS OR (+) GAIN	3-28 CFS	3-28 (-) LOSS OR (+) GAIN	4-3 CFS	4-3 (-) LOSS OR (+) GAIN
GAGING STATION U-8-R	763.																	
AT OLD CONTRACT TUNNEL	13.0	+ 13.0																
MORRIS DAM RELEASE	776.		815.								47.7		56.7					
COMMITTEE OF NINE DIVERSION	20.	- 20.	44.	- 44.							44.4	- 3.3	49.6	- 7.1				
AT MOUTH OF CANYON (TOTAL FLOW)	756.																	
ROGERS CREEK	25.	+ 25.	14.5	+ 14.5							7.7	+ 7.7	8.0	+ 8.0				
DUARTE DITCH WASTE	18.	+ 18.	19.5	+ 19.5							23.0	+ 23.0	24.0	+ 24.0				
FISH CREEK	6.0	+ 6.0	0	0														
DUARTE DITCH RETURN	2.0	+ 2.0	4.0	+ 4.0														
RISING WATER			10.0	+ 10.0							1.0	+ 1.0	2.0	+ 2.0				
EAST SIDE WASTE	4.	+ 4.0									3.0	+ 3.0	3.0	+ 3.0				
AT FOOTHILL BOULEVARD	780.	- 31.	708.	- 111.							26.0	- 8.7	26.0	- 13.0				
SANTA FE SPREADING GROUNDS (TOTAL SPREAD)	256.	- 256.	231.	- 231.														
INFLOW TO SANTA FE DAM	360.	- 164.	436.	- 41.														
OUTFLOW FROM SANTA FE DAM			314.		189.													
MWD OUTLET AT SAN BERNARDINO RD.			185.	- 129.	63.5	- 126.									265.		255.	
WALNUT CREEK WASH (INFLOW)			E 3.0	+ 3.0	E 1.5	+ 1.5												
AT VALLEY BOULEVARD			151.	- 37.	50.3	- 14.7									209.		208.	- 47.
SAN JOSE CHANNEL (INFLOW)			0												2.5			
AT PECK ROAD			139.	- 12.0														
ZONE I HEADWORKS															201.5	- 10.0		
DIVERSION TO RIO HONDO															69.5			
BELOW ZONE I HEADWORKS															132.		131.	
ABOVE WHITTIER NARROWS DAM					35.2	- 15.1	2.7											
RISING WATER					12.2										E 10.5	+ 10.5		
SAN JOSE CREEK (INFLOW)			9.1	+ 9.1*	5.0		11.9	+ 9.2	8.0		7.7				3.8	+ 3.8		
ABOVE SAN GABRIEL RIVER PKWY.			160.	+ 11.9*	52.4	+ 17.2	23.6	+ 11.7	17.1	+ 9.1*	17.4	+ 9.7*						
AT BEVERLY BOULEVARD			169.	+ 9.0*	39.7	- 12.7	20.7	- 2.9	13.0	- 4.1	11.0	- 6.4						
AT COASTAL SPREADING GROUNDS			151.	- 18.0	36.0	- 3.7					5.2	- 5.8			127.	- 19.3	125.	- 6.0
AT WASHINGTON BOULEVARD											0	- 5.2					81.7	- 43.3
AT SLAUSON AVENUE																	60.4	- 21.3
AT TELEGRAPH ROAD																	15.4	- 45.0

E ESTIMATED FLOW
* RISING WATER

1961-62 PERCOLATION LOSSES ON SAN GABRIEL RIVER (CONTINUED)

POINT OF FLOW	7-13 CFS	7-13 (-) LOSS OR (+) GAIN	7-17 CFS	7-17 (-) LOSS OR (+) GAIN	7-18 CFS	7-18 (-) LOSS OR (+) GAIN	7-19 CFS	7-19 (-) LOSS OR (+) GAIN	7-20 CFS	7-20 (-) LOSS OR (+) GAIN	7-23 CFS	7-23 (-) LOSS OR (+) GAIN	7-26 CFS	7-26 (-) LOSS OR (+) GAIN	7-27 CFS	7-27 (-) LOSS OR (+) GAIN	7-30 CFS	7-30 (-) LOSS OR (+) GAIN
GAGING STATION U-8-R			624.		524.		515.		454.		429.		430.		302.		299.	
AT OLD CONTRACT TUNNEL			11.5	+ 11.5	12.0	+ 12.	12.	+ 12.	12.	+ 12.	13.	+ 13.	13.	+ 13.	E 13.	+ 13.	14.	+ 14.
COMMITTEE OF NINE WASTE TO RIVER			38.1	+ 38.1	37.0	+ 37.	37.	+ 37.	36.	+ 36.	E 36.	+ 36.	36.	+ 36.	36.	+ 36.	39.	+ 39.
DUARTE DITCH WASTE			13.0	+ 13.0	13.0	+ 13.	13.	+ 13.	13.	+ 13.	E 14.	+ 14.	14.	+ 14.	14.	+ 14.	14.	+ 14.
AT FOOTHILL BOULEVARD			535.	- 152.	492.	- 94.	515.	- 62.	438.	- 77.	441.	- 51.	440.	- 53.	295.	- 70.	300.	- 66.
OUTFLOW FROM SANTA FE DAM			438.	- 97.	439.	- 53.	432.	- 83.	373.*	- 65	E 392.	- 49.	372.	- 68.	214.	- 81.	255.	- 45.
" " " " "									399.**									
MWD OUTLET AT SAN BERNARDINO RD.			38.	+ 38.					60.	+ 60.			73.	+ 73.				
BELOW M.W.D. OUTLET			348.	- 128.					342.	- 117.			363.	- 82.				
AT VALLEY BOULEVARD			309.	- 39.					315.	- 27.			323.	- 40.				
ZONE I HEADWORKS			298.	- 11.					304.	- 11.			317.	- 6.0				
DIVERSION TO RIO HONDO									149.				151.					
BELOW ZONE I HEADWORKS	158.								155.				166.					
AT BEVERLY BOULEVARD									146.	- 9.0			158.	- 8.0				
AT COASTAL SPREADING GROUNDS	119.	- 39.							137.	- 9.0			138.	- 20.				
AT WASHINGTON BOULEVARD	69.9	- 49.1							91.8	- 45.2								
AT SLAUSON AVENUE	53.2	- 16.7																
AT TELEGRAPH ROAD	9.6	- 43.6							25.2	- 66.6								
AT SANTA ANA FREEWAY	0	- 9.6																

E ESTIMATED FLOW
* PERCOLATION SET ENDING IN P.M. (NO POOL STORAGE AT DAM)
** PERCOLATION SET STARTING IN A.M. (NO POOL STORAGE AT DAM)

1961-62 PERCOLATION LOSSES ON SAN GABRIEL RIVER (CONTINUED)

POINT OF FLOW	8-2 CFS	8-2 (-) LOSS OR (+) GAIN	8-3 CFS	8-3 (-) LOSS OR (+) GAIN	8-6 CFS	8-6 (-) LOSS OR (+) GAIN	8-9 CFS	8-9 (-) LOSS OR (+) GAIN	8-13 CFS	8-13 (-) LOSS OR (+) GAIN	8-16 CFS	8-16 (-) LOSS OR (+) GAIN	9-13 CFS	9-13 (-) LOSS OR (+) GAIN	9-18 CFS	9-18 (-) LOSS OR (+) GAIN	9-21 CFS	9-21 (-) LOSS OR (+) GAIN
GAGING STATION U-8-R			275.		268.		273.		362.		E 373.							
OLD CONTRACT TUNNEL			E 14.	+ 14.	14.	+ 14.	19.	+ 15.	16.	+ 16.	E 16.	+ 16.						
COMMITTEE OF NINE WASTE TO RIVER			41.	+ 41.	39.	+ 39.												
DUARTE DITCH WASTE			E 14.	+ 14.														
AT FOOTHILL BOULEVARD			289.	- 55.	276.	- 45.	235.	- 53.	332.	- 46.	339.	- 50.						
OUTFLOW FROM SANTA FE DAM	269.		237.	- 52.	E 237.	- 39.	188.	- 47.	276.	- 56.	293.	- 46.						
MWD OUTLET AT SAN BERNARDINO RD.	43.	+ 43.					90.	+ 90.					295.					
BELOW M.W.D. OUTLET	213.	- 99.					187.	- 91.	151.	- 15.	178.	- 12.						
AT VALLEY BOULEVARD	185.	- 28.					155.	- 32.	136.	- 9.0	166.	- 3.0	277.	- 18.				
ZONE I HEADWORKS	175.	- 10.					148.	- 7.0	127.		163.		263.	- 14.				
DIVERSION TO RIO HONDO													91.					
BELOW ZONE I HEADWORKS													172.		166.		167.	
AT BEVERLY BOULEVARD	155.	- 20.					125.	- 23.	104.	- 23.	139.	- 24.	157.	- 15.	144.	- 22.	142.	
AT WHITTIER BOULEVARD															127.	- 17.		
COASTAL SPREADING GROUNDS	136.	- 19.					121.	- 4.0					123.	- 34.			128.	
PICO RIVERA DRAIN (INFLOW)															E 10.	+ 10.		
AT WASHINGTON BOULEVARD							95.	- 26.							102.	- 35.	95.	- 33.
AT SLAUSON AVENUE																	65.4	- 29.6
AT TELEGRAPH ROAD							29.	- 66.							18.3	- 83.7	15.3	- 50.1
AT SANTA ANA FREEWAY							1.6	- 27.4							0	- 18.3	0	- 15.3

E ESTIMATED FLOW

PERCOLATION LOSSES ON SAN GABRIEL RIVER

BASED ON METER MEASUREMENTS

1962-63

POINT OF FLOW	10-10-62 CFS	10-10-62 (-) LOSS OR (+) GAIN	10-25 CFS	10-25 (-) LOSS OR (+) GAIN	2-15-63 CFS	2-15-63 (-) LOSS OR (+) GAIN	2-21 CFS	2-21 (-) LOSS OR (+) GAIN	3-21 CFS	3-21 (-) LOSS OR (+) GAIN	4-4 CFS	4-4 (-) LOSS OR (+) GAIN	4-11 CFS	4-11 (-) LOSS OR (+) GAIN	9-24 CFS	9-24 (-) LOSS OR (+) GAIN	9-26 CFS	9-26 (-) LOSS OR (+) GAIN
MWD OUTLET AT SAN BERNARDINO RD.					194.		198.		210.		165.		151.		305.		280.	
BELOW VALLEY BOULEVARD							180.	- 18.	181.	- 29.	147.	- 18.	133.	- 18.			229.	- 51.
SAN JOSE CHANNEL (INFLOW)							2.5	+ 2.5					E 2.0	+ 2.0				
ZONE I HEADWORKS	157.		167.															
AT PECK ROAD							170.	- 12.5										
ABOVE WHITTIER NARROWS DAM					146.	- 48.	160.	- 10.0	168.	- 13.0	128.	- 19.0	121.	- 14.0	204.	- 101.	196.	- 33.
SAN JOSE CREEK INC. RISING WATER	E 5.4	+ 5.4	E 5.3	+ 5.3	E 7.1	+ 7.1	E 7.1	+ 7.1	E 5.9	+ 5.9	E 5.5	+ 5.5	E 5.4	+ 5.4	E 0.7	+ 0.7	E 0.7	+ 0.7
AT BEVERLY BOULEVARD	141.	- 21.4	139.	- 33.3			157.	- 10.1	154.	- 19.9	121.	- 12.5	105.	- 21.4	177.	- 27.7	180.	- 16.7
COASTAL SPREADING GROUNDS	114.	- 27.	122.	- 17.	140.	- 13.1	140.	- 17.0	153.	- 1.0	119.	- 2.0					156.	- 24.
AT WASHINGTON BOULEVARD	96.	- 18.	83.1	- 38.9														
AT SLAUSON AVENUE	84.	- 12.	74.1	- 9.0														
AT TELEGRAPH ROAD	34.	- 50.	34.1	- 40.														
AT SANTA ANA FREEWAY	0	- 34.	7.7	- 26.4														

E ESTIMATED FLOW

TABLE XIII

SUMMARY OF SEASONAL DISCHARGE

WATER YEARS 1961-62, 1962-63

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	MONTH	PEAK FLOW DAY	C.F.S.
1961-62	F81D-R	ALHAMBRA WASH	NEAR KLINGERMAN STREET	382.	0.1	9.06	6270.	2	12	2560.
1962-63	"	" " "	" " " "	959.	0.1	3.97	2880.	3	16	2210.
1961-62	M340-R	ALHAMBRA WASH-M.W.D. OUTLET	NEAR RUSH STREET	243.	0	102.	73690.		CONTROLLED FLOW	-
1962-63	"	" " " "	" " " "	189.	0	28.1	20340.		CONTROLLED FLOW	-
1961-62	F152B-R	ALISO CREEK	BELOW NORDHOFF STREET	204.	0	2.51	1820.	2	12	1540.
1962-63	"	" "	" " "	32.	0	0.32	234.	3	16	246.
1961-62	F317-R	ARCADIA WASH	BELOW GRAND AVENUE	408.	0.1	4.68	3400.	2	11	1480.
1962-63	"	" "	" " "	153.	0.2	2.09	1510.	2	9	600.
1961-62	P277-R	ARROYO SECO	BELOW DEVIL'S GATE DAM	544.	+	6.91	5010.	2	11	891.
1962-63	"	" "	" " " "	12.	0	0.51	372.	6	21 & 24	.51.
1961-62	F29B-R	BALLONA CREEK	AT CURSON AVENUE	1040.	0.5	21.5	15530.	2	12	4020.
1962-63	"	" "	" " " DISCONTINUED 9/4/62							
1961-62	F38B-R	BALLONA CREEK	AT SAWTELLE BOULEVARD	3490.	3.2	69.2	50090.	2	19	12910.
1962-63	"	" "	" " "	1940.	3.2	29.6	21450.	3	16	12070.
1961-62	F120-R	BIG DALTON CREEK	BELOW BIG DALTON DAM	25.	0	1.38	1000.	2	17 & 18	E. 25.
1962-63	"	" " "	" " " "	18.3	0	0.22	162.	10	8	35.
1961-62	F202-R	BIG DALTON WASH	AT SIERRA MADRE AVENUE	3.7	0	0.31	221.	1	22	84.
1962-63	"	" " "	" " " "	0.7	0	0.04	26.	2	9	5.8
1961-62	F274B-R	DALTON WASH	AT MERCED AVENUE	511.	+	9.95	7200.	11	20	4270.
1962-63	"	" "	" " "	403.	0.2	5.67	4110.	3	16	2020.
1961-62	F111C-R	BIG TUJUNGA CREEK	BELOW MILL CREEK	1720.	0	15.6	11260.	2	11	2860.
1962-63	"	" " "	" " "	95.	0	1.61	1170.	2	9	292.
1961-62	F168-R	BIG TUJUNGA CREEK	BELOW BIG TUJUNGA DAM	1680.	0	23.3	16860.	2	11	3700.
1962-63	"	" " "	" " " "	7.5	+	1.80	1300.	2	9	13.1
1961-62	F213-R	BIG TUJUNGA CREEK	ABOVE GOLD CANYON	1850.	0.6	29.8	21540.	2	11	4770.
1962-63	"	" " "	" " "	94.	0.6	3.27	2370.	2	9	412.
1961-62	F105B-R	TUJUNGA WASH	BELOW MOORPARK STREET	1820.	+	19.8	14350.	2	12	6910.
1962-63	"	" "	" " "	391.	+	4.11	2970.	2	9	2160.
1961-62	F329-R	BRADBURY CHANNEL	BELOW CENTRAL AVENUE	50.	0	0.71	518.	1	20	316.
1962-63	"	"	" " "	9.4	0	0.17	120.	2	9	74.
1961-62	F342-R	BRANFORD STREET CHANNEL	BELOW SHARP AVENUE	INC.	INC.	INC.	743. INC.	2	19	206.
1962-63	"	" " "	" " "	46.	0	0.57	415.	4	26	284.
1961-62	F28-R	BROWNS CREEK	AT VARIEL AVENUE	336.	0	2.71	1960.	2	11	782.
1962-63	"	" "	" " "	6.9	0	0.04	32.	3	16	55.
1961-62	F108-R	CASTAIC CREEK	AT HIGHWAY 126	2190.	0	20.5	14850.	2	11	3170.
1962-63	"	" "	" " "	8.1	0	0.04	32.	3	16	76.
1961-62	F302-R	COMPTON CREEK	AT 120TH STREET	638.	0	8.76	6340.	2	19	3510.
1962-63	"	" "	" " "	280.	0	4.27	3090.	3	28	1900.
1961-62	F378-R	COMPTON CREEK	NEAR GREENLEAF DRIVE	1060.	0.1	14.5	10520.	2	19	4550.
1962-63	"	" "	" " "	576.	+	8.85	6400.	2	10	3310.
1961-62	F320-R	COYOTE CREEK	AT CENTRALIA ROAD	2700.	0.4	31.1	22490.	2	11	5810.
1962-63	"	" "	" " "	1790.	0.2	11.2	7720.	2	10	4640.
1961-62	F265-R	DOMINGUEZ CHANNEL	AT CARSON STREET	1430.	4.5	44.5	32220.	2	11	1530.
1962-63	"	" "	" " "	992.	4.0	26.2	18980.	2	10	1510.
1961-62	F53-R	DUME CREEK	AT PACIFIC COAST HIGHWAY	455.	0	3.83	2770.	2	10	705.
1962-63	"	"	" " " "	2.3	0	0.01	7.9	3	16	16.
1961-62	F271-R	EATON WASH	BELOW EATON WASH DAM	204.	0	1.79	1300.	2	12	204.
1962-63	"	"	" " " "	8.6	0	0.02	17.	5	10	31.
1961-62	F318-R	EATON WASH	AT LOFTUS DRIVE	598.	0.1	9.50	6880.	2	11	1950.
1962-63	"	"	" " "	311.	0.3	4.12	2980.	2	9	1230.
1961-62	F296-R	EVEY CANYON CREEK	AT CAMP BALDY ROAD	44.	0	0.75	543.	N.D.	N.D.	N.D.
1962-63	"	" " "	" " " "	1.0	0	0.03	22.	2	10	4.0
1961-62	F287C-R	LA TUNA CREEK	BELOW DEBRIS BASIN	71.	0	0.98	704.	2	11	86.
1962-63	"	" " "	" " "	14.2	0	0.11	81.	2	9	61.
1961-62	F350-R	LIMEKILN CREEK	ABOVE ALISO CREEK	126. INC.	0	1.38 INC.	1000. INC.	2	19	584.
1962-63	"	" "	" " "	75.	0	0.50	359.	2	9	446.
1961-62	F658-R	LITTLE DALTON CREEK	ABOVE MOUTH OF CANYON	58.	0	1.43	1030.	11	20	1700.
1962-63	"	" " "	" " " "	15.	0	0.14	100.	2	9	122.
1961-62	L1-R	LITTLE ROCK CREEK	ABOVE LITTLE ROCK DAM	2060.	0	25.8	18640.	2	11	3180.
1962-63	"	" " "	" " " "	112.	0	3.03	2200.	2	10	314.
1961-62	F19-R	LITTLE TUJUNGA WASH	AT FOOTHILL BOULEVARD	365.	0	3.31	2450.	2	11	1630.
1962-63	"	" " "	" " "	9.8	0	0.06	45.	2	10	52.
1961-62	F31-R	LIVE OAK CREEK	NEAR MOUTH OF CANYON	6.0	0	0.19	137.	2	26	22.
1962-63	"	" " "	" " " "	1.0	0	0.01	3.2	2	25	3.5
1961-62	F300-R	LOS ANGELES RIVER	AT TUJUNGA AVENUE	6170.	2.6	97.7	70690.	2	12	20960.
1962-63	"	" " "	" " "	2200.	4.0	34.1	24690.	2	9	8700.
1961-62	F266-R	LOS ANGELES RIVER	AT MARIPOSA STREET	7330.	0	106.	76740.	2	12	24300.
1962-63	"	" " "	" " "	2630.	+	28.8	20840.	2	9	10360.
1961-62	F57C-R	LOS ANGELES RIVER	ABOVE ARROYO SECO	8510.	+	120.	86910.	2	12	32500.
1962-63	"	" " "	" " "	3750.	+	32.4	23440.	2	9	18070.
1961-62	F34D-R	LOS ANGELES RIVER	BELOW FIRESTONE BOULEVARD	9630.	3.8	170.	123300.	2	12	28400.
1962-63	"	" " "	" " "	4080.	4.3	56.2	40690.	2	9	19340.
1961-62	F319-R	LOS ANGELES RIVER	BELOW BELHART STREET	14750.	0.6	245.	177400.	2	12	42200.
1962-63	"	" " "	" " "	5480.	1.2	75.6	54700.	2	9	31420.
1961-62	F279C-R	LOS CERRITOS CHANNEL	AT STEARNS STREET	730.	+	12.3	8860.	2	8	2080.
1962-63	"	" "	" " "	720.	+	6.37	4610.	2	10	3610.
1961-62	F130-R	MALIBU CREEK	BELOW COLD CREEK	3920.	0.01	36.3	26150.	2	10	7060.
1962-63	"	" "	" " "	24.	0.03	0.97	701.	3	16	104.
1961-62	F346-R	MILLARD CREEK	ABOVE ARROYO SECO	64.	0	0.78	564.	2	11	100.
1962-63	"	" "	" " "	INC.	INC.	INC.	INC.	2	9	132.
1961-62	F328-R	MINT CANYON CREEK	AT FITCH AVENUE	49.	0	0.36	257.	2	11	176.
1962-63	"	" " "	" " "	3.0	0	0.04	26.	9	18	70.
1961-62	F330-R	MISSION CREEK	BELOW LEGG LAKE	9.2	+	0.42	307.		CONTROLLED FLOW	-
1962-63	"	" "	" " "	1.4	0	0.60	434.		CONTROLLED FLOW	-
1961-62	F83-R	MISSION CREEK	AT SAN GABRIEL BOULEVARD	12.	0	1.25	902.	2	11	24.
1962-63	"	" "	" " " "	3.5	0	1.09	788.	2	9	16.
1961-62	F195B-R	MONROVIA STORM DRAIN	ABOVE PECK ROAD	140.	+	1.56	1130.	1	20	622.
1962-63	"	" " "	" " "	69.	+	0.69	413.	3	16	338.
1061-62	F181-R	MONTEBELLO STORM DRAIN	ABOVE RIO HONDO	225.	0.1	4.65	3370.	2	12	783.
1962-63	"	" " "	" " "	129.	0.3	2.12	1530.	3	16	851.
1961-62	F118B-R	PACOIMA CREEK FLUME	BELOW PACOIMA DAM	165.	0	8.76	6340.	4	7	511.
1962-63	"	" "	" " "	20.	+	0.27	193.	9	25	23.
1961-62	F305-R	PACOIMA DIVERSION	AT BRANFORD STREET	496.	0	5.11	3700	2	11	2960.
1962-63	"	" "	" " "	78.	0	1.22	886.	4	25	988.
1961-62	F15-R	PACOIMA WASH	AT VAN NUYS BOULEVARD	28.	0	0.33	238.	2	12	245.
1962-63	"	" "	" " "	15.	0	0.10	72.	2	9	106.
1961-62	F122-R	PALLETT CREEK	AT VALYERMO HIGHWAY	92.	0	0.43	311.	2	11	259.
1962-63	"	" "	" " "	0.7	0	0.26	190.	2	9	3.0
1961-62	F135-R	PLACERITA CREEK	AT SAUGUS-VENTRUA ROAD	1040.	0	9.37	6790.	2	12	3410.
1962-63	"	" "	" " " "	176.	0	1.10	799.	3	16	1750.
1961-62	F40-R	PUDDINGSTONE CREEK	BELOW PUDDINGSTONE DAM	1.5	+	0.07	50.	2	19	1.5
1962-63	"	" "	" " "	21.	0.01	0.67	483.	11	28	21.
1961-62	F192B-R	RIO HONDO	AT LOWER AZUSA ROAD	630.	0	13.1	9460.	2	19	856.
1962-63	"	" "	" " " "	28.	0	0.30	221.	3	16	182.
1961-62	F64-R	RIO HONDO	ABOVE MISSION BRIDGE	1800.	3.4	146.	106030.	1	20	6070.
1962-63	"	" "	" " "	1170.	1.0	41.8	30290.	3	16	4900.
1961-62	F313-R	RIO HONDO BY-PASS CHANNEL	ABOVE WHITTIER NARROWS DAM	153.	0	44.	31810.		CONTROLLED FLOW	-
1962-63	"	" " " "	" " " "	137.	0	12.5	9110.		CONTROLLED FLOW	-
1961-62	F458-R	RIO HONDO	ABOVE STEWART AND GRAY ROAD	2080.	0	31.4	22780.	2	19	7100.
1962-63	"	" "	" " " " "	620.	0	4.54	3280.	2	9	4240.

SUMMARY OF SEASONAL DISCHARGE

WATER YEARS 1961-62, 1962-63

YEAR	F.C. NUMBER	STATION	LOCATION	MAXIMUM DAILY C.F.S.	MINIMUM DAILY C.F.S.	MEAN C.F.S.	RUNOFF A.F.	MONTH	PEAK FLOW DAY	C.F.S.
1961-62	F338-R	RUBIO DIVERSION CHANNEL	BELOW GOOSEBERRY CANYON INLET	7.9	0	0.09	62.	2	11	22.
1962-63	"	" " "	" " " "	2.6	0	0.03	20.	2	10	32.
1961-62	F82C-R	RUBIO WASH	AT GLENDON WAY	281.	0.1	5.69	4120.	1	20	1200.
1962-63	"	" "	" " "	246.	0.1	2.44	1760.	2	9	1180.
1961-62	F323-R	SAN ANTONIO CREEK	ABOVE STODDARD CANYON	102.	0	5.88	4260.	2	11	206.
1962-63	"	" " "	" " "	16.	0	0.34	245.	2	9	68.
1961-62	F332-R	SAN ANTONIO WATER CO. DIVERSION	NEAR ONTARIO NO. 1 POWER HOUSE	10.	0	1.09	786.	2	9	23.
1962-63	"	" " " " " "	" " " " " "	2.2	0	0.11	77.	3	16	4.6
1961-62	F303-R	SAN DIMAS CREEK	BELOW SAN DIMAS DAM	136.	0	3.89	2820.	12	3	215.
1962-63	"	" " "	" " " "	83.	0.04	1.52	1100.	2	9	404.
1961-62	F218-R	SAN DIMAS WASH	BELOW PUDDINGSTONE DIVERSION DAM	3.4	0	0.07	50.	4	6	43.
1962-63	"	" " "	" " " "	9.7	0	0.39	286.	10	25	16.2
1961-62	F209-R	SAN GABRIEL RIVER-WEST FORK	BELOW COGSWELL DAM	1810.	0.1	32.9	23800.	2	11	2370.
1962-63	"	" " " " " "	" " "	47.	0.1	6.63	4800.	10	16	53.
1961-62	P3-R	SAN GABRIEL RIVER-WEST FORK	ABOVE FORKS	3800.	1.5	83.9	60730.	2	11	7830.
1962-63	"	" " " " " "	" "	276.	2.5	18.9	13720.	2	9	2010.
1961-62	P48-R	SAN GABRIEL RIVER-EAST FORK	ABOVE FORKS	1760.	2.3	72.7	52610.	2	11	3600.
1962-63	"	" " " " " "	" "	186.	4.7	17.5	12680.	2	9	607.
1961-62	F250-R	SAN GABRIEL-AZUSA CONDUIT	AT WEIR BELOW SAN GABRIEL DAM	86.	0	57.1	41330	3	14	88.
1962-63	"	" " " " "	" " " " " "	82.	0.05	33.9	24550.	10	17	82.
1961-62	F220-R	SAN GABRIEL-AZUSA CONDUIT	AT GARCIA CANYON	86.	0	57.4	41570.	3	14	87.
1962-63	"	" " " "	" " "	83.	0	33.0	23930.	10	SEVERAL DAYS	83.
1961-62	F190-R	SAN GABRIEL RIVER	AT FOOTHILL BOULEVARD	1750.	0	103.	74270.	2	12	2260.
1962-63	"	" " "	" " "	47.	0	0.33	237.	2	9	301.
1961-62	M335-R	SAN GABRIEL-M.W.D. OUTLET	BELOW SAN BERNARDINO ROAD	339.	0	186.	134570.		CONTROLLED FLOW	-
1962-63	"	" " " "	" " " "	305.	0	82.7	59850.		CONTROLLED FLOW	-
1961-62	F261C-R	SAN GABRIEL RIVER	BELOW VALLEY BOULEVARD	1000.	0	193.	139500.	11	20	7500.
1962-63	"	" " "	" " "	566.	0	78.6	56900.	3	16	3500.
1961-62	F314-R	SAN GABRIEL BY-PASS CHANNEL	ABOVE WHITTIER NARROWS DAM	218.	0	93.4	67610.		CONTROLLED FLOW	-
1962-63	"	" " " "	" " " "	170.	0	37.8	27400.		CONTROLLED FLOW	-
1961-62	F263B-R	SAN GABRIEL RIVER	AT BEVERLY BOULEVARD	2840.	0	142.	103100.	2	11	8810.
1962-63	"	" " "	" " "	1080.	0	58.6	42430.	3	17	4320.
1961-62	F262-R	SAN GABRIEL RIVER	AT FLORENCE AVENUE	2170.	0	23.7	17350.	2	11	6470.
1962-63	"	" " "	" " "	1190.	0	7.13	5160.	3	16	4270.
1961-62	F42-R	SAN GABRIEL RIVER	AT SPRING STREET	2940.	0	32.0	23060.	2	11	7350.
1962-63	"	" " "	" " "	1530.	0	7.31	5290.	3	17	4120.
1961-62	F312-R	SAN JOSE CHANNEL	ABOVE WORKMAN MILL ROAD	1220.	0	13.2	9540.	2	11	3800.
1962-63	"	" " "	" " " "	581.	0	7.63	5530.	3	16	1940.
1961-62	F48-R	SAN JOSE CHANNEL	AT WORKMAN MILL ROAD	115.	0.1	4.37	3160.	2	11	198.
1962-63	"	" " "	" " " "	2.9	+	0.36	261.	3	16	21.
1961-62	F119B-R	SANTA ANITA CREEK	BELOW SANTA ANITA DAM	498.	0	8.63	6240.	2	11	1350.
1962-63	"	" " "	" " " "	36.	0	2.55	1850.	7	16	105.
1961-62	F260C-R	SANTA ANITA WASH	BELOW FOOTHILL BOULEVARD	584.	0	6.88	4980.	2	11	1440.
1962-63	"	" " "	" " "	43.	+	0.56	408.	2	9	257.
1961-62	F193B-R	SANTA ANITA WASH	AT LONGDEN AVENUE	693.	0	8.16	5910.	2	11	1780.
1962-63	"	" " "	" " "	101.	0	0.98	709.	2	9	621.
1961-62	F93-R	SANTA CLARA RIVER	ABOVE LANG RAILROAD STATION	308.	0.2	5.79	4190.	2	11	500.
1962-63	"	" " "	" " " "	4.6	1.1	1.60	1160.	2	9	60.
1961-62	F92-R	SANTA CLARA RIVER	AT OLD HIGHWAY BRIDGE	1690.	0	14.5	10470.	2	12	4250.
1962-63	"	" " "	" " " "	105.	0	1.33	965.	3	16	1470.
1961-62	F280-R	SANTA FE CHANNEL	BELOW SANTA FE DAM	547.	0	12.7	9190.	2	12	819.
1962-63	"	" " "	" " " "	NO FLOW DURING YEAR						
1961-62	F125-R	SANTIAGO CREEK	ABOVE LITTLE ROCK CREEK	118.	0	1.30	945.	2	11	199.
1962-63	"	" "	" " " "	0.9	0	0.03	19.	4	21	1.0
1961-62	F278-R	SAWPIT CREEK	BELOW SAWPIT DAM	75.	0	1.71	1240.	2	11	146.
1962-63	"	" "	" " "	10.0	0	0.32	234.	2	10	41.
1961-62	U5-R	SAWPIT CREEK	BELOW MONROVIA CANYON	175.	0	2.25	1630.	2	11	353.
1962-63	"	" "	" " "	11.	0.01	0.20	146.	2	9	64.
1961-62	F194B-R	SAWPIT WASH	BELOW ARROW HIGHWAY	573.	+	16.6	11980.	2	11	1300.
1962-63	"	" "	" " "	137.	+	1.63	1180.	2	9	690.
1961-62	F301-R	SAWTELLE- WESTWOOD CHANNEL	AT CULVER BOULEVARD	1080.	0.6	20.1	14520.	2	12	7250. EST.
1962-63	"	" " " "	" " "	511.	1.0	7.32	5300.	3	28	2590.
1961-62	F67B-R	SIERRA MADRE WASH	BELOW SIERRA MADRE DAM	53.	+	0.98	706.	2	11	120.
1962-63	"	" " "	" " " "	10.6	+	0.06	45.	2	9	68.
1961-62	F267B-R	SIERRA MADRE WASH	AT HIGHLAND OAKS AVENUE	128.	0	1.42	1030.	2	11	429.
1962-63	"	" " "	" " " "	32.	0	0.32	231.	2	9	193. EST.
1961-62	B324-R	STODDARD CREEK	ABOVE SAN ANTONIO CREEK	18.	0	0.42	302.	11	20	395.
1962-63	"	" "	" " " "	12.	0	0.06	42.	2	9	55.
1961-62	F43-R	SYCAMORE CANYON CHANNEL	ABOVE SOLWAY STREET	67.	+	0.74	537.	2	12	326.
1962-63	"	" " "	" " "	26.	+	0.15	108.	2	9	207.
1961-62	F44B-R	SYCAMORE CANYON CHANNEL	AT ADAMS SQUARE	42.	0	0.80	581.	2	12	401.
1962-63	"	" " "	" " "	32. INC.	+	N.D.	N.D.	2	9	223.
1961-62	F276-R	THOMPSON CR. SPRD. GRNDS. INTAKE	AT THOMPSON CREEK DAM	3.6	0	.04	27.	2	20	6.3
1962-63	"	" " " " "	" " " "	+	0	+	+	2	9	0.2
1961-62	F32B-R	THOMPSON CREEK	BELOW THOMPSON CREEK DAM	NO FLOW DURING YEAR						
1962-63	"	" "	" " "	NO FLOW DURING YEAR						
1961-62	F54B-R	TOPANGA CREEK	ABOVE MOUTH OF CANYON	1150.	0.02	10.7	7720.	2	10	2790.
1962-63	"	" "	" " "	66.	0.02	0.63	454.	2	9	569.
1961-62	F252-R	VERDUGO WASH	AT ESTELLE AVENUE	592.	0	6.67	4830.	2	12	1880.
1962-63	"	" "	" " "	370.	+	2.01	1460.	2	9	2180.
1961-62	F304-R	WALNUT CREEK	AT PUENTE AVENUE	INC.	INC.	INC.	INC.	2	11	2090.
1962-63	"	" "	" " "	267.	+	4.64	3360.	3	16	1410.

TABLE XIV

RUNOFF WASTE TO OCEAN IN ACRE-FEET

YEAR	SAWTELLE-WESTWOOD CHANNEL AT CULVER BOULEVARD	BALLONA CREEK AT SAWTELLE BOULEVARD [a] AT CENTINELA BOULEVARD	DOMINGUEZ CHANNEL AT CARSON BOULEVARD	LOS ANGELES RIVER [c] AT BELHART STREET AT PACIFIC COAST HIGHWAY [b] AT WILLOW STREET	LOS CERRITOS CHANNEL [d] AT STEARNS STREET AT SEVENTH STREET [e] AT ATHERTON STREET	SAN GABRIEL RIVER AT SPRING STREET	COYOTE CREEK [g] AT CENTRALIA ROAD AT DEL AMO STREET [f] BELOW P.E.R.R. BRIDGE - ARTESIA.	TOTAL MEASURED WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		[a] 3930.				NO FLOW			66
1928-29		[a] 14900.		[b] 9340. INC.		" "		24240.	70
1929-30		[a] 13480.		[b] 12310.		" "	[f] 699.	26490.	79
1930-31		[a] 18520.		[b] 14400.		" "	[f] 568.	33490.	94
1931-32		[a] 21790.		[c] 50960.		6560.	[f] 2690.	82000.	125
1932-33		[a] 15810.		[c] 22890.		809.	[f] 457.	39970.	74
1933-34		[a] 20630.		[c] 67860.		12370.	[f] 3890.	104750.	70
1934-35		[a] 24870.		[c] 40470.		2380.	[f] 3850.	71570.	134
1935-36		[a] 13486.		[c] 20470.		1190.	[f] 1150.	36300.	69
1936-37		40680.		[c] 91100.		13510.	[g] 13680.	158970.	144
1937-38		52500.		[c] 408000.		88020.	[g] 15070.	563590.	150
1938-39		28490.		[c] 82750.		1080.	[g] 4250.	116570.	121
1939-40		21110.		[c] 65930.		1460.	[g] 3190.	91690.	82
1940-41		67360.	32260.	[c] 369500.		65890.	[g] 29500.	564510.	219
1941-42		17250.	3570.	[c] 93390.		10830.	[g] 1560.	126600.	81
1942-43		34240.	12200.	[c] 264900.		175100.	[g] 12070.	498510.	150
1943-44		33000.	19020.	[c] 217400.		72200.	[g] 12060.	353680.	161
1944-45		24450.	9010.	[c] 100200.		22280.	[g] 3800.	159740.	92
1945-46		18380.	8890.	[c] 91790.		12590.	[g] 3540.	135190.	90
1946-47		26300.	10650.	[c] 106000.		24100.	[g] 2460.	69510.	94
1947-48		13630.	5200.	[c] 52820.		NO FLOW	[g] 1500.	73150.	53
1948-49		16090.	5660.	[c] 44350.		" "	[g] 951.	67050.	59
1949-50		23250.	6590.	[c] 42180.	[e] 1900.	" "	[g] 1800.	75720.	66
1950-51	INC.	18860.	9180.	[c] 36600.	[e] 2190.	" "	[g] 1420.	68250.	43
1951-52	10180.	53350.	25700.	[c] 212200.	[e] 9730.	21100. EST.	[g] 23920.	356180.	172
1952-53	2790.	19910.	9630.	[c] 44490.	[e] 2810.	220.	[g] 1160.	81010.	62
1953-54	6960.	28480.	13800.	[c] 70790.	[e] 5850.	2060.	[g] 3990.	131930.	87
1954-55	3130.	21600.	11850.	[c] 60120.	[e] 4500.	820.	[g] 1220.	103240.	78
1955-56	6450.	34590.	22370.	46030.	6500.	9390.	7280.	182610.	82
1956-57	5200.	22240.	11440.	48710.	2920.	896.	1200.	92610.	73
1957-58	8410.	43040.	30080.	191200.	9730.	22930.	15660.	321050.	167
1958-59	3440.	13730.	13270.	49390.	2410.	2670.	3080.	87990.	51
1959-60	4070.	17190.	15790.	49100.	3780.	1860.	4420.	96210.	56
1960-61	2820.	12560.	9050.	32000.	1830.	448.	1720.	60430.	41
1961-62	14520.	50090.	32220.	177400.	8860.	23070.	22490.	328650.	127
1962-63	5640.	21450.	18810.	54700.	4610.	5290.	6400.	116900.	70

Prior to 1/22/51, discharge of Sawtelle-Westwood Channel was included in Ballona Creek at Sawtelle Boulevard.

No discharge record prior to 10/1/40.

[d] During period 1942 to 1949 when Station was at Seventh Street, records of discharge were not determined due to tidal fluctuations.

a. At Centinela Boulevard February 1928 to April 27, 1936. At Sawtelle Boulevard after May 1, 1936.

b. At Willow Street prior to 1931.

c. At Pacific Coast Highway from 1931 to January 1956. Below Belhart Street after January 1956.

d. At Seventh Street November 1942 to June 1949.

e. At Atherton Street June 1949 to May 1955. At Stearns Street after October 1955.

f. Below P.E.R.R. Bridge from January 1930 to October 1936.

g. At Del Amo Street October 1936 to February 1956. At Centralia Road after February 1956.

DAM OPERATION RECORDS

DAMS AND RESERVOIRS

FOREWORD

The District operated and maintained fourteen dams during the 1961-62 and 1962-63 water years. The Los Angeles District Corps of Engineers, Department of the Army, operated and maintained Hansen Dam on the Tujunga Wash, Sepulveda Dam on the Los Angeles River, Whittier Narrows Dam and Santa Fe Dam on the San Gabriel River and the Rio Hondo, and San Antonio Dam on San Antonio Creek.

Pertinent data relative to the District's flood control and water conservation dams are presented in the following tabulation:

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 Sq. Miles
1. Pacoima	Feb. 1929	1919	6060	May 1962	4581	28.2
2. Big Tujunga	July 1931	1928	6240	July 1962	4065	82.3
3. Devil's Gate	June 1920	1929	4567	May 1962	2750	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	Oct. 1963	828	9.5
5. Santa Anita	May 1927	1923	1376	Apr. 1962	630.	10.8
6. Sawpit	June 1927	1923	476	May 1962	272	3.3
7. Cogswell	Apr. 1934	Jan. 1936	12298	Nov. 1962	10228	39.2
8. San Gabriel	July 1939	1938 4/	53344	Nov. 1962	43642	163.5 1/
9. Big Dalton	Aug. 1929	1935 5/	1053	Jan. 1962	869	4.5
10. San Dimas	Sept. 1922	1919	1496	Apr. 1962	729	16.2
11. Puddingstone Diversion 2/	July 1928	1929	148	Sep. 1962	203	3.7 7/
12. Puddingstone	Jan. 1928	1915	17398	Sep. 1959	17090	11.0 3/
13. Live Oak	Nov. 1922	1919	250	Dec. 1962	243	2.3
14. Thompson Creek	Mar. 1928	Oct. 1932	812 6/	July 1962	554	3.5

1/ Exclusive of drainage area above Cogswell Dam.
2/ Temporary storage - functions primarily to divert flow.
3/ Exclusive of drainage area above Live Oak, San Dimas and Puddingstone Diversion Dams.
4/ Based on a partial survey prior to March 2, 1938 and extrapolations.
5/ 1935 is a date of first complete survey; original reconnaissance survey was made in 1923. Earlier publications show storage based on volumetric computations with extrapolations based on the 1923 survey (1194 A.F.).
6/ Spillway lip lowered in 1942 from elevation 1640, to elevation 1634.85. Original storage based on elevation 1634.85 would have been 645 A.F.
7/ Formerly, 2.6 square miles, includes Ham Canyon beginning 1961-62. Excludes drainage area above San Dimas Dam.

PURPOSE

Dams of the Los Angeles County Flood Control District serve two purposes, flood control and water conservation.

OPERATION

The District reservoirs are operated in such a manner as to achieve the maximum flood protection during the storm season. Releases of water are made so as to conserve as much as possible in spreading grounds and by natural channel infiltration. Late in the rainy period, water is stored to provide for the dry summer months.

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 and by excavating by permittees where feasible.

The following tabulation shows the amount of debris removed from reservoirs by sluicing and excavation during the 1961-62 and 1962-63 seasons:

Dam	1961-62 Acre-feet	1962-63 Acre-feet
Pacoima	51.1	
Big Tujunga	76.8	
Devil's Gate	13.0	16.8
Eaton Wash		83.0
Santa Anita	1.9	
San Dimas	78.1	
Puddingstone Diversion	202.9	
Live Oak		10.3

RECORDS

The daily storage and flow records at fourteen of the District dams are summarized on the Dam Operation Record Sheets, Pages 324 to 368. The sheets show:

1. Reservoir water surface elevations based on spillway datum. elevations are obtained from water-stage recorder graphs or interpolation from staff gage readings and recorded as of midnight of each day.

2. Storage in acre-feet based on most recent topographic surveys.

3. Inflows in cubic feet per second are usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

4. Outflows in cubic feet per second are mean daily valve and/or spillway discharge. These are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.

5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams were attributable to percolation and/or evaporation losses and are shown as total monthly and yearly losses. Total monthly evaporation losses are shown as determined from measurements made on floating or land evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with physical change in reservoirs. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally, the error is small.

RESPONSIBILITY

The compilation of the Reservoir Records and assembly for publication during 1961-62 and 1962-63 was under the immediate supervision of R.E. Lindsay, Section Head; Reservoir and Runoff Record Section, assisted by F.E. Stunden and S.E. Blakely, and R.A. Peterson.

Operation of reservoirs during both storm and normal periods was under the direction of W.R. Ferrell, Supervising Civil Engineer. Maintenance and routine mechanical operation of dams and construction of various appurtenances for dams, debris basins and spreading grounds was under the supervision of H.C. Porter, Division Engineer, Operation and Maintenance Division, assisted by W.R. Ferrell.

76D138N-68B Cfb 12-57

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 62

On

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4651.0 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of June 19 58

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

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	1790.1	48.0	0	0	1789.8	46.9	0	0	1789.8	46.9	.2	0	1792.2	56.6	0	.2	1
2	1790.1	48.0	0	0	1789.8	46.9	0	0	1793.2	61.0	7.1	0	1792.1	56.1	0	0	2
3	1790.1	48.0	0	0	1789.8	46.9	0	0	1793.2	61.0	0	0	1792.1	56.1	0	.1	3
4	1790.1	48.0	0	0	1789.8	46.9	0	0	1793.2	61.0	0	0	1792.1	56.1	0	0	4
5	1790.1	48.0	0	0	1789.6	46.9	0	0	1793.2	61.0	0	0	1792.0	55.7	0	.2	5
6	1790.0	47.6	0	.2	1789.8	46.9	0	0	1793.2	61.0	0	0	1792.0	55.7	0	0	6
7	1790.0	47.6	0	0	1789.8	46.9	0	0	1793.2	61.0	0	.1	1792.0	55.7	0	.1	7
8	1790.0	47.6	0	0	1789.8	46.9	0	0	1793.1	60.6	0	.1	1792.0	55.7	0	0	8
9	1789.9	47.2	0	.2	1789.8	46.9	0	0	1/1793.0	60.1	0	.1	1791.9	55.3	0	.1	9
10	1789.9	47.2	0	0	1789.8	46.9	0	0	1793.0	60.1	0	.1	1791.9	55.3	0	.1	10
11	1789.9	47.2	0	0	1789.8	46.9	0	0	1793.0	60.1	0	.1	1791.8	54.9	0	.1	11
12	1789.9	47.2	0	0	1789.8	46.9	0	.1	1792.9	59.7	0	.1	1791.8	54.9	.1	.1	12
13	1789.9	47.2	0	0	1789.7	46.5	0	.1	1792.9	59.7	0	.1	1791.8	54.9	0	0	13
14	1789.9	47.2	0	0	1789.7	46.5	0	.1	1792.8	59.2	0	.1	1791.8	54.9	0	0	14
15	1789.8	46.9	0	.2	1789.6	46.2	0	.1	1792.8	59.2	0	.1	1791.8	54.9	0	0	15
16	1789.8	46.9	0	0	1789.6	46.2	0	0	1792.7	58.8	0	.1	1791.8	54.9	0	0	16
17	1789.8	46.9	0	0	1789.6	46.2	0	0	1792.7	58.8	0	.1	1791.8	54.9	0	0	17
18	1789.8	46.9	0	0	1789.6	46.2	0	0	1792.6	58.3	0	.1	1791.8	54.9	0	0	18
19	1789.7	46.5	0	.2	1789.6	46.2	0	0	1792.6	58.3	0	.1	1791.8	54.9	0	0	19
20	1789.7	46.5	0	0	1789.6	46.2	0	0	1792.5	57.9	0	.1	1794.4	66.7	6.0	0	20
21	1789.7	46.5	0	0	1789.6	46.2	0	0	1792.5	57.9	0	.1	1794.7	68.2	.8	0	21
22	1789.8	46.9	.2	0	1789.6	46.2	0	0	1792.4	57.5	0	.1	1795.1	70.1	.8	0	22
23	1789.8	46.9	0	0	1789.6	46.2	0	0	1792.4	57.5	0	.1	1795.4	71.6	.8	0	23
24	1789.8	46.9	0	0	1789.6	46.2	0	0	1792.3	57.0	0	.1	1795.7	73.1	.8	0	24
25	1789.8	46.9	0	0	1789.7	46.5	.2	0	1792.3	57.0	0	.1	1796.0	74.6	.8	0	25
26	1789.8	46.9	0	0	1789.7	46.5	0	0	1792.2	56.6	0	.1	1796.5	77.2	1.2	0	26
27	1789.8	46.9	0	0	1789.7	46.5	0	0	1792.2	56.6	0	.1	1796.9	79.4	1.2	0	27
28	1789.8	46.9	0	0	1789.7	46.5	0	0	1/1792.2	56.6	0	.1	1797.3	81.5	1.2	0	28
29	1789.8	46.9	0	0	1789.7	46.5	0	0	1792.2	56.6	0	0	1797.8	84.2	1.2	0	29
30	1789.8	46.9	0	0	1789.7	46.5	0	0	1792.2	56.6	0	0	1798.2	86.4	1.2	0	30
31	1789.8	46.9	0	0					1792.2	56.6	0	0	1798.7	89.2	1.3	0	31
TOTAL			.2	.8			.2	.4			7.3	2.2			17.4	1.0	
Inf. Ac. Ft.			0.4				0.4				14.5				34.5	49.8	
Outf. Ac. Ft.			1.6				0.8				4.4				2.0	8.8	
Maximum Mean Daily Inflow			0.2				0.2				7.1				6.0	7.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 1.1				- 0.4				+ 10.1				+ 32.6	+ 41.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1894.6	feet	on	2/12/62	Storage	1906.4	Acre Feet				
Min. W. S. Elev.	1789.6	feet	on	VARIOUS DAYS	Storage	46.2	Acre Feet				
Max. Peak Inf.	811.	C.F.S. from	3:45 P.M.	on	2/11/62	to	4:00 P.M.	on	2/11/62		
Max. Peak Outf.	511.	C.F.S. from	3:00 A.M.	on	4/7/62	to	3:30 A.M.	on	4/7/62		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	GLW	RAP
J.R. HYDE	Hydrographer	Storage applied	GLW	RAP
	Hydrographer	Inf. & Outf. comp.	GLW	RAP

REMARKS (INDICATES AVERAGE FOR PERIOD.

1/ COMMUNICATION OBSTRUCTED. GAGE HEIGHTS ESTIMATED.

76D138N-68B Cfb 12-57

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 62

On

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4560.8 / 4651.0 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May / June 1962 / 58

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	March Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	April Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	May Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Day
1	1799.1	91.4	.9	0	1850.9	713.2	24.0	89.0	1884.3	1558.3	3.2	0	1807.7	133.8	4.2	0	1
2	1799.4	93.1	.8	0	1848.0	658.2	23.3	51.0	1879.1	1398.4	3.2	87.0	1808.9	142.7	4.2	0	2
3	1799.7	94.9	.8	0	1850.3	701.6	32.7	10.8	1869.2	1126.6	3.2	139.0	1809.9	150.3	4.2	0	3
4	1799.9	96.0	.8	0	1852.3	740.9	30.6	10.9	1856.9	837.7	3.2	152.0	1811.0	158.9	4.2	0	4
5	1800.2	97.8	.8	0	1854.1	777.7	29.4	11.1	1841.1	537.0	3.1	147.0	1811.9	166.1	4.2	0	5
6	1800.4	99.0	.8	0	1856.0	818.2	31.6	14.4	1819.5	250.6	3.1	140.0	1812.8	173.5	3.6	0	6
7	1800.8	101.3	1.2	0	1857.2	844.3	27.5	18.1	1754.3	0	3.1	130.0	1813.7	181.0	3.6	0	7
8	1804.6	125.4	12.2	0	1857.8	857.4	24.7	18.1			14.5	14.5	1814.5	187.8	3.6	0	8
9	1813.6	195.7	35.4	0	1858.3	868.4	23.7	18.1			14.3	14.3	1815.3	194.6	3.6	0	9
10	1832.8	409.3	107.7	0	1858.6	875.1	21.4	18.1			12.5	12.5	1816.1	201.6	3.5	0	10
11	1882.6	1504.8	584.3	32.0	1858.9	881.7	21.5	12.0			12.5	12.5	1816.9	208.7	3.6	0	11
12	1894.6	1906.4	321.5	119.0	1859.7	899.5	20.9	1.4			11.8	11.8	1817.7	215.9	3.6	0	12
13	1892.4	1828.0	120.4	160.0	1861.2	933.3	18.5	1.4			11.7	11.7	1818.5	223.2	3.7	0	13
14	1889.0	1711.5	78.3	137.0	1862.7	967.8	18.8	.8			11.8	11.8	1819.5	232.6	4.7	0	14
15	1890.4	1758.8	92.9	69.0	1864.2	1003.0	18.5	0			10.8	10.8	1820.8	245.1	6.3	0	15
16	1886.8	1638.9	82.5	143.0	1865.7	1039.1	18.2	0			9.8	9.8	1821.9	255.8	5.4	0	16
17	1883.1	1520.4	59.3	119.0	1867.1	1073.5	17.4	0			8.0	8.0	1822.7	263.9	4.1	0	17
18	1880.0	1425.2	53.0	101.0	1868.6	1111.2	19.0	0			8.0	8.0	1823.5	272.0	4.1	0	18
19	1885.0	1580.6	90.8	12.5	1870.2	1152.4	20.7	0	1770.8	2/ 4.9	9.1	8.0	1824.1	278.2	3.4	0	19
20	1884.1	1551.9	75.5	90.0	1871.6	1189.3	18.6	0	1782.0	19.3	9.0	.4	1824.8	285.6	3.4	0	20
21	1881.1	1458.5	64.0	111.0	1872.8	1221.4	16.2	0	1786.7	29.7	5.4	0	1825.4	292.0	3.1	0	21
22	1879.3	1404.3	48.6	76.0	1874.2	1259.4	19.2	0	1790.4	41.0	5.3	0	1826.0	298.5	3.1	0	22
23	1877.0	1337.4	64.3	98.0	1875.5	1295.3	18.1	0	1792.9	50.4	5.3	0	1826.5	304.0	3.1	0	23
24	1874.6	1270.4	66.2	100.0	1876.7	1328.9	16.9	0	1795.4	61.3	5.3	0	1827.0	309.5	3.1	0	24
25	1872.1	1202.6	56.8	91.0	1877.8	1360.4	15.9	0	1797.6	72.0	5.3	0	1827.6	316.3	3.1	0	25
26	1868.1	1098.5	40.6	93.0	1878.8	1389.6	14.7	0	1799.9	84.2	5.3	0	1828.1	322.0	3.0	0	26
27	1862.8	970.1	29.2	94.0	1879.8	1419.2	15.0	0	1801.5	93.2	5.3	0	1828.7	328.9	3.0	0	27
28	1857.1	842.1	26.5	91.0	1880.9	1452.4	16.7	0	1803.2	103.5	5.3	0	1829.2	334.8	3.0	0	28
29					1881.9	1483.0	15.4	0	1804.8	113.7	5.3	0	1829.7	340.7	3.0	0	29
30					1882.7	1507.9	12.6	0	1806.4	124.5	5.3	0	1830.1	345.5	2.9	0	30
31					1883.5	1533.0	12.6	0					1830.6	351.7	2.9	0	31
TOTAL			2116.1	1736.5			634.3	286.0			219.0	929.1			114.5	0	
Inf. Ac. Ft.			4197.2				1258.1				434.4				227.1	6166.4	
Outf. Ac. Ft.			3444.3				567.3				1842.8				0	5863.0	
Maximum Mean Daily Inflow			584.3				32.7				14.5				6.3	584.3	
Minimum Mean Daily Inflow			0.5				12.6				3.1				2.9	0.5	
Storage Change			+ 752.9				+ 690.9				- 1408.5				+ 227.2	+ 303.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1894.6	feet	on	2/12/62	Storage	1906.4	Acre Feet				
Min. W. S. Elev.	1789.6	feet	on	VARIOUS DAYS	Storage	46.2	Acre Feet				
Max. Peak Inf.	811.	C.F.S. from	3:45 P.M.	on	2/11/62	to	4:00 P.M.	on	2/11/62		
Max. Peak Outf.	511.	C.F.S. from	3:00 A.M.	on	4/7/62	to	3:30 A.M.	on	4/7/62		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	RAP GLW	7/16
J.R. HYDE	Hydrographer	Storage applied	RAP GLW	7/19
	Hydrographer	Inf. & Outf. comp.	RAP GLW	

REMARKS (INDICATES AVERAGE FOR PERIOD

2/ CHANGED TO STORAGE TABLE IX.

76D138M-68B Ofs 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4580.8 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May 19 62 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1830.9	355.4	2.2	0	1836.5	429.9	.3	0	1837.3	441.3	.1	0	1800.2	85.8	2.5	9.8	1
2	1831.3	360.4	2.2	0	1836.5	429.9	.3	0	1837.3	441.3	.1	0	1799.3	80.9	2.5	4.4	2
3	1831.7	364.2	2.2	0	1836.6	431.3	.3	0	1837.4	442.8	.1	0	1799.4	81.5	.4	0	3
4	1831.9	367.9	2.1	0	1836.6	431.3	.3	0	1837.4	442.8	.1	0	1799.6	82.5	.4	0	4
5	1832.3	373.1	2.1	0	1836.7	432.7	.3	0	1837.4	442.8	.1	0	1799.7	83.1	.3	0	5
6	1832.6	377.0	1.9	0	1836.7	432.7	.3	0	1837.4	442.8	.1	0	1799.9	84.2	.4	0	6
7	1832.9	380.9	1.9	0	1836.8	434.2	.3	0	1837.4	442.8	.1	0	1800.0	84.7	.3	0	7
8	1833.2	384.8	1.8	0	1836.8	434.2	.3	0	1837.4	442.8	.1	0	1800.1	85.3	.3	0	8
9	1833.5	388.8	1.8	0	1836.9	435.6	.3	0	1837.4	442.8	.1	0	1800.2	85.8	.3	0	9
10	1833.7	391.4	1.8	0	1837.0	437.0	.3	0	1837.4	442.8	.1	0	1800.3	86.4	.3	0	10
11	1834.0	395.4	1.4	0	1837.0	437.0	.3	0	1837.4	442.8	.1	0	1800.4	86.9	.3	0	11
12	1834.2	398.1	1.3	0	1837.0	437.0	.3	0	1837.4	442.8	.1	0	1800.5	87.5	.3	0	12
13	1834.4	400.8	1.3	0	1837.0	437.0	.3	0	1836.3	427.1	.3	7.4	1800.6	88.1	.3	0	13
14	1834.6	403.6	1.3	0	1837.0	437.0	.2	0	1834.9	407.6	.5	10.8	1800.7	88.6	.3	0	14
15	1834.6	403.6	1.3	0	1837.0	437.0	.2	0	1833.5	388.8	.5	10.8	1800.8	89.2	.3	0	15
16	1834.9	407.6	1.3	0	1837.1	438.4	.2	0	1832.0	369.2	1.1	10.8	1800.9	89.7	.3	0	16
17	1835.1	410.4	1.3	0	1837.1	438.4	.2	0	1830.5	350.4	1.1	10.8	1801.0	90.3	.2	0	17
18	1835.3	413.1	1.3	0	1837.1	438.4	.2	0	1828.8	330.1	1.2	10.8	1801.0	90.3	.2	0	18
19	1835.4	414.5	1.3	0	1837.2	439.9	.2	0	1827.1	310.6	1.2	10.8	1801.1	90.9	.2	0	19
20	1835.6	417.3	1.3	0	1837.2	439.9	.2	0	1825.5	293.1	1.2	10.8	1801.2	91.5	.2	0	20
21	1835.7	418.7	.7	0	1837.2	439.9	.2	0	1823.7	274.1	1.2	10.6	1801.2	91.5	.2	0	21
22	1835.8	420.0	.7	0	1837.2	439.9	.1	0	1822.0	256.8	1.3	10.6	1801.3	92.1	.2	0	22
23	1835.9	421.4	.7	0	1837.2	439.9	.1	0	1820.3	240.2	1.3	10.5	1801.4	92.7	.2	0	23
24	1836.0	422.8	.7	0	1837.2	439.9	.1	0	1818.3	221.4	1.3	10.5	1801.4	92.7	.2	0	24
25	1836.1	424.2	.7	0	1837.2	439.9	.1	0	1816.1	201.6	1.3	10.3	1801.5	93.2	.2	0	25
26	1836.1	424.2	.5	0	1837.3	441.3	.1	0	1814.2	185.2	1.4	10.3	1801.6	93.8	.2	0	26
27	1836.2	425.6	.4	0	1837.3	441.3	.1	0	1812.2	168.5	1.4	10.2	1801.6	93.8	.2	0	27
28	1836.3	427.1	.4	0	1837.3	441.3	.1	0	1810.2	152.7	1.4	10.0	1801.7	94.4	.2	0	28
29	1836.4	428.5	.4	0	1837.3	441.3	.1	0	1807.9	135.3	1.4	10.0	1801.7	94.4	.1	0	29
30	1836.4	428.5	.4	0	1837.3	441.3	.1	0	1805.4	117.7	1.4	9.9	1801.8	95.0	.1	0	30
31					1837.3	441.3	.1	0	1802.5	99.2	1.5	9.8					31
TOTAL			38.7				6.5				23.2	195.7			12.1	14.2	
Inf. Ac. Ft.			76.8				12.9				46.0				24.0	6326.1	
Outf. Ac. Ft.			0				0				388.2				28.2	6279.4	
Maximum Mean Daily Inflow			2.2				0.3				1.5				2.5	584.3	
Minimum Mean Daily Inflow			0.4				0.1				0.1				0.1	0	
Storage Change		+ 76.8				+ 12.8				- 342.1				- 4.2		+ 47.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1894.6	feet	on	2/12/62	Storage	1906.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1789.6	feet	on	VARIOUS DAYS	Storage	46.2	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	RAP	AJF	1/17
Max. Peak Inf.	811.	C.F.S. from	3:45 P.M.	on	2/11/62	to	4:00 P.M.	on	2/11/62	J.R. HYDE	Hydrographer	Storage applied	RAP	AJF	1/17
Max. Peak Outf.	511.	C.F.S. from	3:00 A.M.	on	4/7/62	to	3:30 A.M.	on	4/7/62		Hydrographer	Inf. & Outf. comp.	RAP	AJF	1/17

REMARKS (INDICATES AVERAGE FOR PERIOD.

76D138M-68B Ofs 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4580.8 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May 19 62 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	1801.8	95.0	0.2	0.1	1802.7	100.4	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	1
2	1801.9	95.6	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	2
3	1801.9	95.6	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	3
4	1802.0	96.2	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	4
5	1802.0	96.2	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	5
6	1802.0	96.2	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	6
7	1802.1	96.8	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	7
8	1802.1	96.8	0.2	0.1	1802.8	101.0	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	8
9	1802.1	96.8	0.2	0.1	1802.9	101.6	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	9
10	1802.2	97.4	0.2	0.1	1802.9	101.6	0.1	0.1	1803.0	102.2	0.2	0.1	1803.4	104.7	0.1	0.1	10
11	1802.2	97.4	0.2	0.1	1802.9	101.6	0.1	0.1	1803.0	102.2	0.1	0.1	1803.4	104.7	0.1	0.1	11
12	1802.2	97.4	0.2	0.1	1802.9	101.6	0.1	0.1	1803.0	102.2	0.1	0.1	1803.4	104.7	0.2	0.1	12
13	1802.2	97.4	0.2	0.1	1802.9	101.6	0.1	0.1	1803.0	102.2	0.1	0.1	1803.5	105.4	0.2	0.1	13
14	1802.3	98.0	0.2	0.1	1803.0	102.2	0.1	0.1	1803.0	102.2	0.1	0.1	1803.5	105.4	0.2	0.1	14
15	1802.4	98.6	0.2	0.1	1803.0	102.2	0.1	0.1	1803.0	102.2	0.1	0.1	1803.5	105.4	0.2	0.1	15
16	1802.4	98.6	0.2	0.1	1803.0	102.2	0.1	0.1	1803.1	102.8	0.1	0.1	1803.5	105.4	0.2	0.1	16
17	1802.4	98.6	0.2	0.1	1803.0	102.2	0.1	0.1	1803.1	102.8	0.1	0.1	1803.5	105.4	0.2	0.1	17
18	1802.5	99.2	0.2	0.1	1803.0	102.2	0.1	0.1	1803.1	102.8	0.1	0.1	1803.6	106.0	0.2	0.1	18
19	1802.5	99.2	0.2	0.1	1803.0	102.2	0.1	0.1	1803.1	102.8	0.1	0.1	1803.6	106.0	0.2	0.1	19
20	1802.5	99.2	0.2	0.1	1803.0	102.2	0.1	0.1	1803.1	102.8	0.1	0.1	1803.6	106.0	0.2	0.1	20
21	1802.5	99.2	0.2	0.1	1803.0	102.2	0.1	0.1	1803.2	103.5	0.1	0.1	1803.6	106.0	0.2	0.1	21
22	1802.6	99.8	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.7	106.6	0.2	0.1	22
23	1802.6	99.8	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.7	106.6	0.2	0.1	23
24	1802.6	99.8	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.7	106.6	0.2	0.1	24
25	1802.6	99.8	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.7	106.6	0.2	0.1	25
26	1802.7	100.4	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.8	107.2	0.2	0.1	26
27	1802.7	100.4	0.2	0.1	1803.0	102.2	0.2	0.1	1803.2	103.5	0.1	0.1	1803.8	107.2	0.2	0.1	27
28	1802.7	100.4	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	1803.8	107.2	0.2	0.1	28
29	1802.7	100.4	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	1803.9	107.9	0.2	0.1	29
30	1802.7	100.4	0.1	0.1	1803.0	102.2	0.2	0.1	1803.3	104.1	0.1	0.1	1803.9	107.9	0.2	0.1	30
31	1802.7	100.4	0.1	0.1					1803.3	104.1	0.1	0.1	1804.0	108.5	0.4	0.1	31
TOTAL			5.8	3.1			3.9	3.0			4.1	3.1			5.3	3.1	
Inf. Ac. Ft.			11.5				7.7				8.1				10.5	37.8	
Outf. Ac. Ft.			6.1				6.0				6.1				6.1	24.3	
Maximum Mean Daily Inflow			0.2				0.2				0.2				0.4	0.4	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change		+ 5.4				+ 1.8				+ 1.9				+ 4.4		+13.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1837.0	feet	on	VARIOUS DAYS	Storage	437.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1801.8	feet	on	10/1/62	Storage	95.0	Acre Feet	E.K. BARR	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	19.4	C.F.S. from	5:00 A.M.	on	2/10/63	to	6:15 A.M.	on	2/10/63	J.R. HYDE	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	24.0	C.F.S. from	2:10 P.M.	on	9/25/63	to	2:25 P.M.	on	9/25/63		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS (INDICATES AVERAGE FOR PERIOD.

74D138N-68B Glh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon

On

for the Year Ending September 30, 1963

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4580.8 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May, 1962

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	1.804.1	109.2	0.5	0.1	1.809.7	148.6	0.4	0.1	1.813.1	175.9	0.5	0.1	1.826.7	306.2	3.2	0.1	1
2	1.804.1	109.2	0.2	0.1	1.809.8	149.6	0.4	0.1	1.813.2	176.8	0.5	0.1	1.827.3	312.9	3.2	0.1	2
3	1.804.2	109.8	0.2	0.1	1.810.0	151.0	0.4	0.1	1.813.3	177.6	0.5	0.1	1.827.9	319.7	3.2	0.1	3
4	1.804.2	109.6	0.2	0.1	1.810.0	151.0	0.4	0.1	1.813.4	178.5	0.5	0.1	1.828.4	325.4	3.2	0.1	4
5	1.804.2	109.6	0.2	0.1	1.810.2	152.7	0.4	0.1	1.813.5	179.3	0.5	0.1	1.828.8	330.1	3.1	0.1	5
6	1.804.3	110.4	0.2	0.1	1.810.2	152.7	0.5	0.1	1.813.6	180.1	0.5	0.1	1.829.2	334.6	2.2	0.1	6
7	1.804.3	110.4	0.2	0.1	1.810.3	153.4	0.5	0.1	1.813.7	181.0	0.6	0.1	1.829.5	338.4	2.2	0.1	7
8	1.804.3	110.4	0.1	0.1	1.810.4	154.2	0.5	0.1	1.813.8	181.8	0.6	0.1	1.829.8	341.9	2.1	0.1	8
9	1.805.5	118.4	4.1	0.1	1.810.5	155.0	0.5	0.1	1.813.9	182.7	0.6	0.1	1.830.2	346.8	2.1	0.1	9
10	1.807.6	133.1	7.5	0.1	1.810.6	155.8	0.5	0.1	1.814.0	183.5	0.6	0.1	1.830.5	350.4	2.1	0.1	10
11	1.807.8	134.5	0.8	0.1	1.810.6	155.8	0.5	0.1	1.814.2	185.2	0.6	0.1	1.830.8	354.1	1.7	0.1	11
12	1.808.0	136.0	0.7	0.1	1.810.7	156.6	0.5	0.1	1.814.3	186.0	0.6	0.1	1.831.0	356.6	1.6	0.1	12
13	1.808.1	136.7	0.6	0.1	1.810.8	157.3	0.5	0.1	1.814.4	186.9	0.6	0.1	1.831.2	359.1	1.6	0.1	13
14	1.808.2	137.5	0.5	0.1	1.810.9	158.1	0.5	0.1	1.814.8	190.3	1.9	0.1	1.831.4	361.6	1.6	0.1	14
15	1.808.4	139.0	0.9	0.1	1.811.0	158.9	0.7	0.1	1.815.3	194.6	2.2	0.1	1.831.7	365.4	1.6	0.1	15
16	1.808.5	139.7	0.5	0.1	1.811.2	160.5	0.7	0.1	1.815.6	197.2	1.4	0.1	1.831.9	367.9	1.2	0.1	16
17	1.808.6	140.4	0.5	0.1	1.811.3	161.3	0.7	0.1	1.815.9	199.8	1.5	0.1	1.832.0	369.2	1.2	0.1	17
18	1.808.7	141.2	0.5	0.1	1.811.5	162.9	0.7	0.1	1.816.1	201.6	1.2	0.1	1.832.2	371.8	1.1	0.1	18
19	1.808.8	141.9	0.5	0.1	1.811.6	163.7	0.6	0.1	1.816.4	204.3	1.2	0.1	1.832.4	374.4	1.1	0.1	19
20	1.808.9	142.7	0.5	0.1	1.811.7	164.5	0.5	0.1	1.816.8	207.8	1.9	0.1	1.832.5	375.7	1.1	0.1	20
21	1.809.0	143.4	0.5	0.1	1.811.8	165.3	0.5	0.1	1.818.1	219.5	6.0	0.1	1.832.6	377.0	1.1	0.1	21
22	1.809.1	144.2	0.4	0.1	1.811.9	166.1	0.5	0.1	1.819.0	227.9	4.3	0.1	1.832.8	379.6	1.1	0.1	22
23	1.809.2	144.9	0.4	0.1	1.812.0	166.9	0.5	0.1	1.819.7	234.5	3.4	0.1	1.833.0	382.2	1.1	0.1	23
24	1.809.3	145.7	0.4	0.1	1.812.1	167.7	0.5	0.1	1.820.2	239.2	2.5	0.1	1.833.1	383.5	1.1	0.1	24
25	1.809.4	146.5	0.4	0.1	1.812.2	168.5	0.5	0.1	1.821.0	247.0	4.1	0.1	1.833.2	384.8	1.1	0.1	25
26	1.809.5	147.2	0.4	0.1	1.812.3	169.4	0.5	0.1	1.822.6	262.9	8.1	0.1	1.833.4	387.5	1.1	0.1	26
27	1.809.6	148.0	0.4	0.1	1.812.4	170.2	0.5	0.1	1.823.7	274.1	5.7	0.1	1.833.5	388.8	1.0	0.1	27
28	1.809.6	148.0	0.4	0.1	1.812.6	171.8	0.9	0.1	1.824.6	283.5	4.9	0.1	1.833.7	391.4	1.0	0.1	28
29					1.812.7	172.6	0.7	0.1	1.825.3	290.9	4.2	0.1	1.833.8	392.8	1.0	0.1	29
30					1.812.9	174.3	0.7	0.1	1.826.1	299.6	4.1	0.1	1.833.9	394.1	1.0	0.1	30
31					1.813.0	175.1	0.6	0.1					1.834.1	396.8	1.0	0.1	31
TOTAL			22.7	2.6			16.6	3.1			65.6	3.0			52.1	3.1	
Inf. Ac. Ft.			45.0				33.3				130.5				103.3	349.9	
Outf. Ac. Ft.			5.6				6.1				6.0				6.1	48.1	
Maximum Mean Daily Inflow			7.5				0.8				8.1				3.2	8.1	
Minimum Mean Daily Inflow			0.1				0.4				0.5				1.0	0.1	
Storage Change		+ 39.5				+ 27.1				+ 124.5				+ 97.2		+ 301.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1837.0	feet	on	VARIOUS DAYS	Storage	437.0	Acre Feet			
Min. W. S. Elev.	1801.8	feet	on	10/1/62	Storage	95.0	Acre Feet			
Max. Peak Inf.	19.4	C. F. S. from	5:00 A.M.	on	2/10/63	to	6:15 A.M.	on	2/10/63	
Max. Peak Outf.	24.0	C. F. S. from	2:10 P.M.	on	9/25/63	to	2:25 P.M.	on	9/25/63	

REMARKS (INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	RAP	TS
J.R. HYDE	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

74D138N-68B Glh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOIMA Dam

In Pacoima Canyon

On

for the Year Ending September 30, 1963

Continuous Water Stage Recorder Au

Drainage Area 28.2 Square Miles. Capacity of Reservoir 4580.8 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of May, 1962

Gage Heights Read Daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1.834.2	398.1	0.7	0.1	1.836.5	429.9	0.4	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	1
2	1.834.3	399.5	0.7	0.1	1.836.5	429.9	0.4	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	2
3	1.834.4	400.8	0.7	0.1	1.836.5	429.9	0.4	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	3
4	1.834.5	402.2	0.7	0.1	1.836.5	429.9	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	4
5	1.834.5	402.2	0.7	0.1	1.836.6	431.3	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	5
6	1.834.6	403.6	0.7	0.1	1.836.6	431.3	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	6
7	1.834.7	404.9	0.7	0.1	1.836.7	432.7	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	7
8	1.834.8	406.3	0.7	0.1	1.836.7	432.7	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	8
9	1.834.9	407.6	0.7	0.1	1.836.7	432.7	0.3	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	9
10	1.835.0	409.0	0.9	0.1	1.836.8	434.2	0.2	0.1	1.837.0	437.0	0.2	0.2	1.836.8	434.2	0.2	0.2	10
11	1.835.1	410.4	0.8	0.1	1.836.8	434.2	0.2	0.1	1.837.0	437.0	0.2	0.2	1.836.2	425.6	0.5	4.0	11
12	1.835.2	411.8	0.8	0.1	1.836.8	434.2	0.2	0.1	1.837.0	437.0	0.2	0.2	1.835.6	417.3	0.5	4.9	12
13	1.835.3	413.1	0.8	0.1	1.836.8	434.2	0.2	0.1	1.837.0	437.0	0.2	0.2	1.835.1	411.4	0.4	3.2	13
14	1.835.4	414.5	0.8	0.1	1.836.8	434.2	0.2	0.1	1.837.0	437.0	0.2	0.2	1.834.6	403.6	0.4	4.2	14
15	1.835.5	415.9	0.7	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.2	0.2	1.834.1	396.6	0.4	4.2	15
16	1.835.6	417.3	0.7	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.2	0.2	1.833.6	390.1	0.4	4.2	16
17	1.835.7	418.7	0.7	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.2	0.2	1.833.2	384.8	0.4	3.2	17
18	1.835.8	420.0	0.7	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.2	384.8	0.3	0.3	18
19	1.835.8	420.0	0.6	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.2	384.8	0.3	0.3	19
20	1.835.9	421.4	0.6	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.2	384.8	0.3	0.3	20
21	1.836.0	422.8	0.6	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.2	384.8	0.3	0.3	21
22	1.836.0	422.8	0.5	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.2	384.8	0.3	0.3	22
23	1.836.1	424.2	0.5	0.1	1.836.9	435.6	0.2	0.1	1.837.0	437.0	0.1	0.2	1.833.0	382.2	0.4	1.6	23
24	1.836.2	425.6	0.5	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.831.4	361.6	0.4	11.3	24
25	1.836.2	425.6	0.5	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.828.7	328.9	0.5	16.5	25
26	1.836.3	427.1	0.4	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.825.2	289.9	0.5	20.2	26
27	1.836.3	427.1	0.4	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.821.6	252.9	0.5	19.5	27
28	1.836.4	428.5	0.4	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.821.3	249.9	0.5	1.6	28
29	1.836.4	428.5	0.4	0.1	1.837.0	437.0	0.2	0.1	1.836.9	435.6	0.1	0.2	1.821.4	250.9	0.5	0.2	29
30	1.836.4	428.5	0.4	0.1	1.837.0	437.0	0.2	0.1	1.836.8	434.2	0.1	0.2	1.821.4	250.9	0.5	0.2	30
31					1.837.0	437.0	0.2	0.1	1.836.8	434.2	0.1	0.2					31
TOTAL			19.0	3.0			7.4	3.1			4.8	6.2			10.3	102.7	
Inf. Ac. Ft.			37.7				14.7				9.5				20.4	384.4	
Outf. Ac. Ft.			6.0				6.1				12.3				203.7	228.1	
Maximum Mean Daily Inflow			0.9				0.4				0.2				0.5	8.1	
Minimum Mean Daily Inflow			0.4				0.2				0.1				0.2	0.1	
Storage Change		+ 31.7				+ 8.5				- 2.8				- 183.3		+ 155.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1837.0	feet	on	VARIOUS DAYS	Storage	437.0	Acre Feet			
Min. W. S. Elev.	1801.8	feet	on	10/1/62	Storage	95.0	Acre Feet			
Max. Peak Inf.	19.4	C. F. S. from	5:00 A.M.	on	2/10/63	to	6:16 A.M.	on	2/10/63	
Max. Peak Outf.	24.0	C. F. S. from	2:10 P.M.	on	9/25/63	to	2:25 P.M.	on	9/25/63	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
E.K. BARR	Dam Tender	Gage Hts. copied	RAP	TS
J.R. HYDE	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

74D138M-688 Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 62

Drainage Area 82.3 Square Miles Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 19 58

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2191.8	220.1	.7	1.8	2184.9	151.2	.7	1.7	2182.9	134.3	.6	0	2201.7	346.8	1.7	0	1
2	2191.6	217.9	.7	1.8	2184.7	149.5	.7	1.7	2189.4	194.4	30.3	0	2201.9	349.7	1.6	0	2
3	2191.4	215.7	.7	1.8	2184.5	147.8	.7	1.7	2191.7	219.0	12.4	0	2202.1	352.6	1.6	0	3
4	2191.1	212.4	.7	1.8	2184.3	146.0	.7	1.7	2192.8	231.3	6.2	0	2202.4	357.0	1.6	0	4
5	2190.9	210.2	.7	1.6	2184.1	144.3	.7	1.7	2193.5	239.4	4.1	0	2202.6	359.9	1.6	0	5
6	2190.7	208.1	.7	1.6	2183.8	141.7	.7	1.7	2194.1	246.5	3.6	0	2202.8	362.9	1.5	0	6
7	2190.5	206.0	.7	1.6	2183.6	140.1	.7	1.7	2194.6	252.5	3.0	0	2203.0	365.8	1.5	0	7
8	2190.3	203.8	.7	1.6	2183.3	137.6	.6	1.7	2195.0	257.3	2.3	0	2203.2	368.8	1.4	0	8
9	2190.1	201.7	.7	1.6	2183.1	135.9	.6	1.7	2195.4	262.2	2.3	0	2203.4	371.8	1.5	0	9
10	2189.9	199.6	.6	1.6	2182.9	134.3	.6	1.3	2195.7	265.9	2.2	0	2203.6	374.7	1.5	0	10
11	2189.7	197.5	.6	1.6	2182.9	134.3	.5	.6	2196.0	269.6	2.1	0	2203.8	377.7	1.6	0	11
12	2189.5	195.4	.6	1.8	2182.8	133.5	.5	.6	2196.3	273.4	2.1	0	2204.0	380.7	1.6	0	12
13	2189.2	192.4	.6	1.8	2182.8	133.5	.5	.6	2196.6	277.2	2.0	0	2204.2	383.8	1.6	0	13
14	2189.0	190.3	.6	1.8	2182.8	133.5	.5	.6	2197.0	282.3	2.0	0	2204.5	388.4	1.6	0	14
15	2188.8	188.3	.6	1.8	2182.7	132.7	.5	.6	2197.3	286.2	2.0	0	2204.7	391.4	1.6	0	15
16	2188.5	185.2	.6	1.8	2182.7	132.7	.5	.6	2197.6	290.2	1.9	0	2204.9	394.5	1.6	0	16
17	2188.3	183.2	.6	1.8	2182.7	132.7	.4	.6	2197.9	294.1	1.9	0	2205.1	397.6	1.7	0	17
18	2188.1	181.2	.6	1.8	2182.7	132.7	.4	.6	2198.2	298.1	1.9	0	2205.3	400.7	1.7	0	18
19	2187.9	179.2	.6	1.8	2182.6	131.9	.4	.6	2198.5	302.1	1.8	0	2205.5	403.8	1.7	0	19
20	2187.7	177.3	.6	1.7	2182.8	133.5	1.4	.6	2198.7	304.6	1.8	0	2207.4	434.3	15.4	0	20
21	2187.5	175.4	.6	1.7	2182.8	133.5	.4	.6	2199.0	308.8	1.8	0	2208.8	457.7	11.8	0	21
22	2187.3	173.4	.6	1.7	2182.7	132.7	.4	.6	2199.3	312.9	1.8	0	2209.9	476.8	9.6	0	22
23	2187.1	171.5	.6	1.7	2182.7	132.7	.4	.6	2199.5	315.7	1.8	0	2211.0	496.6	10.0	0	23
24	2186.8	168.6	.6	1.6	2182.6	131.9	.4	.6	2199.8	319.8	1.8	0	2211.7	509.7	6.7	0	24
25	2186.6	166.7	.6	1.6	2182.8	133.5	1.4	.6	2200.0	322.6	1.8	0	2212.4	523.1	6.7	0	25
26	2186.3	163.9	.6	1.6	2182.8	133.5	.6	.6	2200.3	326.8	1.8	0	2213.0	534.9	6.7	0	26
27	2186.1	162.0	.6	1.6	2182.7	132.7	.5	.6	2200.5	329.6	1.8	0	2213.6	547.1	6.6	0	27
28	2185.9	160.2	.6	1.6	2182.7	132.7	.5	.6	2200.8	333.9	1.8	0	2214.3	561.5	6.6	0	28
29	2185.6	157.2	.6	1.6	2182.7	132.7	.4	.6	2201.0	336.7	1.8	0	2214.9	574.0	6.6	0	29
30	2185.4	155.7	.6	1.7	2182.7	132.7	.4	.4	2201.3	341.0	1.8	0	2215.6	588.9	6.6	0	30
31	2185.2	153.9	.6	1.7					2201.5	343.9	1.8	0	2216.2	601.9	6.6	0	31
TOTAL			19.5	54.0			17.7	28.4			106.5	0			130.1	0	
Inf. Ac. Ft.			38.7				35.1				211.2				258.0	543.0	
Outf. Ac. Ft.			107.1				56.3				0				0	163.4	
Maximum Mean Daily Inflow			0.7				1.4				30.3				15.4	30.3	
Minimum Mean Daily Inflow			0.6				0.4				0.8				1.4	0.4	
Storage Change		- 68.4				- 21.2				+ 211.2				+ 258.0		+ 379.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.3	feet	on	2/11/62	Storage	4468.	Acre Feet			
Min. W. S. Elev.	2145.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	5048.	C. F. S. from	1:15 P.M.	on	2/11/62	to	1:30 P.M.	on	2/11/62	
Max. Peak Outf.	3702.	C. F. S. from	8:20 P.M.	on	2/11/62	to	8:55 P.M.	on	2/11/62	

REMARKS (INDICATES AVERAGE FOR PERIOD

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	AJF 8/29/62
J.R. HYDE	Hydrographer	Storage applied	RAP	AJF 8/29/62
	Hydrographer	Inf. & Outf. comp.	RAP	AJF 8/29/62

74D138M-688 Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 19 62

4084.7

Drainage Area 82.3 Square Miles Capacity of Reservoir 4123.0 Ac. Ft. at Spillway Elev. 2090.0 Ft. as of July 1962 June 19 58

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	2216.6	610.6	6.6	0	2227.6	883.7	45.8	61.0	2256.6	1980.0	19.7	0		0	10.2	10.2	1
2	2217.2	623.7	5.6	0	2226.8	856.7	44.4	58.0	2253.6	1834.0	19.7	99.0		0	10.2	10.2	2
3	2217.7	634.8	4.6	0	2226.4	846.0	47.6	53.0	2243.1	1379.0	19.7	234.0	2154.8	4.6	9.2	6.8	3
4	2218.1	643.6	4.5	0	2225.8	830.2	41.0	49.0	2230.0	944.9	19.7	238.0	2161.6	18.6	7.2	0	4
5	2218.5	652.8	4.4	0	2225.2	814.6	40.1	48.0	2209.6	471.6	19.7	256.0	2166.3	33.4	7.2	0	5
6	2218.8	659.6	3.4	0	2226.0	835.4	58.5	48.0	2163.0	23.4	19.7	253.0	2169.6	47.0	6.6	0	6
7	2219.3	671.0	5.7	0	2226.4	846.0	53.4	48.0	2145.5	0	19.7	36.0	2172.0	58.9	6.6	0	7
8	2224.3	791.6	60.6	0	2226.4	846.0	49.0	49.0			19.5	19.5	2174.4	72.2	6.6	0	8
9	2235.2	1100.0	155.5	0	2226.1	838.1	45.0	49.0			19.0	19.0	2176.6	85.7	6.6	0	9
10	2251.6	1749.0	329.3	2.1	2225.7	827.6	43.7	49.0			18.5	18.5	2178.6	99.0	6.6	0	10
11	2293.4	4394.0	2543.6	1210.0	2225.0	809.4	39.8	49.0			18.0	18.0	2180.5	112.9	6.6	0	11
12	2277.7	3223.0	1089.6	1680.0	2225.3	817.2	40.9	37.0			17.1	17.1	2182.3	126.9	6.6	0	12
13	2259.0	2101.0	355.3	921.0	2228.1	891.9	37.7	0			16.6	16.6	2184.0	141.0	6.7	0	13
14	2252.9	1800.0	210.2	362.0	2230.5	959.3	34.0	0			15.8	15.8	2186.0	158.6	9.0	0	14
15	2249.8	1656.0	213.4	286.0	2232.7	1024.0	32.6	0			15.3	15.3	2188.0	178.1	9.7	0	15
16	2246.2	1502.0	150.4	228.0	2234.7	1085.0	30.8	0			14.8	14.8	2189.8	196.8	9.4	0	16
17	2241.8	1329.0	102.8	190.0	2236.6	1146.0	30.7	0			14.4	14.4	2191.3	213.2	8.3	0	17
18	2236.8	1152.0	86.7	176.0	2238.5	1210.0	32.3	0			13.5	13.5	2192.7	229.5	8.2	0	18
19	2234.8	1088.0	122.8	155.0	2240.6	1284.0	37.3	0			13.1	13.1	2193.9	243.9	7.3	0	19
20	2234.1	1066.0	106.9	118.0	2242.3	1348.0	32.3	0			13.5	13.5	2195.0	257.5	6.8	0	20
21	2234.1	1066.0	91.0	91.0	2243.9	1410.0	31.2	0			13.5	13.5	2196.1	271.6	6.6	0	21
22	2233.8	1057.0	86.4	91.0	2245.4	1469.0	29.8	0			13.1	13.1	2197.1	284.6	6.6	0	22
23	2233.4	1045.0	85.0	91.0	2247.0	1535.0	33.2	0			12.8	12.8	2198.0	296.9	6.6	0	23
24	2233.0	1033.0	84.9	91.0	2248.4	1595.0	30.3	0			12.0	12.0	2198.9	309.2	6.6	0	24
25	2232.2	1009.0	78.9	91.0	2249.6	1647.0	26.2	0			12.4	12.4	2199.8	321.6	6.6	0	25
26	2230.9	970.8	67.8	87.0	2250.8	1702.0	24.7	0			12.0	12.0	2200.6	336.0	6.6	0	26
27	2229.9	942.1	55.5	70.0	2251.9	1753.0	24.6	0			11.6	11.6	2201.8	350.5	6.5	0	27
28	2228.9	913.9	46.8	61.0	2253.0	1805.0	24.6	0			12.0	12.0	2202.7	363.8	6.5	0	28
29					2254.0	1853.0	24.6	0			11.6	11.6	2203.6	377.3	6.5	0	29
30					2254.9	1896.0	24.6	0			10.9	10.9	2204.4	389.6	6.5	0	30
31					2255.8	1940.0	24.6	0					2205.1	400.4	6.5	0	31
TOTAL			6158.4	6001.1			1115.3	598.0			468.9	1447.0			229.1	27.2	
Inf. Ac. Ft.			12215.0				2212.2				930.0				454.4	16354.6	
Outf. Ac. Ft.			11903.0				1186.1				2870.0				54.0	16176.5	
Maximum Mean Daily Inflow			2543.6				58.5				19.7				10.2	2543.6	
Minimum Mean Daily Inflow			3.4				24.6				10.9				6.5	0.4	
Storage Change		+ 312.0				+ 1026.1				- 1940.0				+ 400.4		+ 178.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.3	feet	on	2/11/62	Storage	4468.	Acre Feet			
Min. W. S. Elev.	2145.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	5048.	C. F. S. from	1:15 P.M.	on	2/11/62	to	1:30 P.M.	on	2/11/62	
Max. Peak Outf.	3702.	C. F. S. from	8:20 P.M.	on	2/11/62	to	8:55 P.M.	on	2/11/62	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	AJF 8/29/62
J.R. HYDE	Hydrographer	Storage applied	RAP	AJF 8/29/62
	Hydrographer	Inf. & Outf. comp.	RAP	AJF 8/29/62

76D138N-48B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1962

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4064.7 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of July 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	2.205.8	411.4	4.9	0	2.213.1	539.4	1.6	3.3	2.205.7	409.6	.8	3.3	2.195.9	269.0	.7	2.5	1
2	2.206.3	419.4	4.9	0	2.213.0	537.4	1.6	3.3	2.205.5	406.6	.8	3.3	2.195.6	265.2	.7	2.5	2
3	2.206.9	429.1	4.9	0	2.212.8	533.6	1.6	3.5	2.205.2	401.9	.8	3.3	2.195.2	260.1	.6	2.7	3
4	2.207.5	439.0	4.9	0	2.212.6	529.7	1.5	3.5	2.204.9	397.3	.8	3.1	2.194.9	256.3	.6	2.7	4
5	2.208.1	449.0	4.9	0	2.212.4	525.9	1.5	3.5	2.204.6	392.6	.8	3.1	2.194.6	252.5	.6	2.7	5
6	2.208.7	459.1	4.6	0	2.212.3	524.0	1.5	3.5	2.204.3	388.0	.8	3.1	2.194.2	247.6	.6	2.7	6
7	2.209.2	467.7	4.6	0	2.212.1	520.1	1.5	3.3	2.204.0	383.4	.8	3.1	2.193.9	243.9	.6	2.7	7
8	2.209.7	476.4	4.6	0	2.211.9	516.3	1.5	3.3	2.203.7	378.8	.8	3.1	2.193.6	240.3	.6	2.7	8
9	2.210.2	485.2	4.5	0	2.211.7	512.6	1.5	3.3	2.203.3	372.8	.8	3.1	2.193.3	236.6	.6	2.7	9
10	2.210.7	494.2	4.5	0	2.211.4	507.0	1.5	3.1	2.203.0	368.2	.8	3.1	2.192.9	231.8	.6	2.7	10
11	2.211.1	501.5	4.0	0	2.211.2	503.3	.9	3.1	2.202.7	363.6	.7	3.1	2.192.6	228.3	.6	2.7	11
12	2.211.4	507.0	4.0	0	2.211.0	499.6	.9	3.1	2.202.4	359.3	.7	3.1	2.192.2	223.6	.6	2.7	12
13	2.211.8	514.5	4.0	0	2.210.8	496.0	.9	3.1	2.202.1	354.9	.7	3.1	2.191.9	220.1	.6	2.7	13
14	2.212.2	522.0	4.0	0	2.210.6	492.4	.9	3.1	2.201.8	350.5	.7	3.1	2.191.5	215.5	.6	2.7	14
15	2.212.8	533.6	4.0	0	2.210.4	488.8	.9	3.1	2.201.5	346.1	.7	2.9	2.191.2	212.1	.6	2.7	15
16	2.213.3	543.3	4.0	0	2.210.2	485.2	.9	2.9	2.201.2	341.7	.7	2.9	2.190.8	207.6	.6	2.7	16
17	2.213.8	553.2	4.0	0	2.209.9	479.9	.9	2.9	2.200.9	337.4	.7	3.1	2.190.4	203.3	.6	2.7	17
18	2.214.2	561.3	4.0	0	2.209.6	474.6	.9	2.9	2.200.5	331.7	.7	3.1	2.190.1	200.0	.6	2.5	18
19	2.214.4	565.4	3.9	0	2.209.4	471.2	.9	2.9	2.200.2	327.4	.7	3.1	2.189.7	195.7	.6	2.5	19
20	2.214.5	567.5	2.3	1.9	2.209.2	467.7	.9	2.9	2.199.9	323.2	.7	3.3	2.189.4	192.5	.6	2.5	20
21	2.214.4	565.4	2.2	3.1	2.208.9	462.5	.9	2.9	2.199.6	319.0	.7	3.1	2.189.0	188.3	.6	2.5	21
22	2.214.3	563.4	2.2	3.1	2.208.6	457.4	.9	2.9	2.199.2	313.4	.7	3.1	2.188.7	185.2	.6	2.5	22
23	2.214.2	561.3	2.2	3.1	2.208.3	452.4	.9	3.1	2.198.9	309.2	.7	3.1	2.188.3	181.2	.6	2.5	23
24	2.214.1	559.3	2.2	3.1	2.208.0	447.3	.9	3.1	2.198.5	303.8	.7	3.1	2.187.9	177.1	.6	2.3	24
25	2.214.0	557.2	2.2	3.1	2.207.8	444.0	.9	3.3	2.198.2	299.6	.7	3.1	2.187.6	174.2	.6	2.3	25
26	2.213.9	555.2	1.8	3.1	2.207.5	439.0	.9	3.3	2.197.9	295.6	.7	2.9	2.187.2	170.3	.6	2.3	26
27	2.213.7	551.3	1.7	3.1	2.207.2	434.0	.9	3.3	2.197.6	291.5	.7	2.9	2.186.9	167.4	.6	2.3	27
28	2.213.6	549.3	1.7	3.1	2.206.9	429.1	.8	3.3	2.197.2	286.2	.7	2.7	2.186.5	163.6	.6	2.3	28
29	2.213.4	545.3	1.7	3.1	2.206.6	424.2	.8	3.3	2.196.9	282.2	.7	2.7	2.186.2	160.7	.6	2.3	29
30	2.213.3	543.3	1.7	3.3	2.206.3	419.4	.8	3.3	2.196.6	278.2	.7	2.5	2.185.8	157.0	.6	2.3	30
31					2.206.0	414.5	.8	3.3	2.196.2	272.9	.7	2.5					31
TOTAL			105.1	33.1			33.8	98.7			22.7	94.1			18.2	76.6	
Inf. Ac. Ft.			208.5				67.0				45.0				36.1	16711.2	
Outf. Ac. Ft.			65.7				195.8				186.6				151.9	16776.5	
Maximum Mean Daily Inflow			4.9				1.6				0.8				0.7	2543.6	
Minimum Mean Daily Inflow			1.7				0.8				0.7				0.6	0.4	
Storage Change		+ 142.9				- 128.8				- 141.6				- 115.9		- 65.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2294.3	feet on	2/11/62	Storage	4468.	Acre Feet		
Min. W. S. Elev.	2145.5	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	5048.	C.F.S. from	1:15 P.M. on	2/11/62	to	1:30 P.M. on	2/11/62	
Max. Peak Outf.	3702.	C.F.S. from	8:20 P.M. on	2/11/62	to	8:55 P.M. on	2/11/62	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	AJF
J.R. HYDE	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

76D138N-48B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1963

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4064.7 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of July 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2.185.4	153.4	.7	2.3	2.183.6	137.6	.4	0.2	2.185.2	151.6	1.2	0.2	2.192.1	222.4	1.6	0.1	1
2	2.185.1	150.7	0.7	2.3	2.183.6	137.6	0.4	0.2	2.185.4	153.4	1.2	0.2	2.192.4	225.9	1.6	0.1	2
3	2.184.7	147.2	0.7	2.3	2.183.7	138.5	0.4	0.2	2.185.6	155.2	1.2	0.2	2.192.6	228.3	1.6	0.1	3
4	2.184.3	143.6	0.7	2.3	2.183.8	139.3	0.4	0.2	2.185.9	157.9	1.2	0.3	2.192.9	231.8	1.6	0.1	4
5	2.183.9	140.2	0.7	2.3	2.183.8	139.3	0.4	0.2	2.186.1	159.8	1.2	0.3	2.193.2	235.4	1.6	0.1	5
6	2.183.6	137.6	0.7	2.3	2.183.9	140.2	0.4	0.2	2.186.3	161.6	1.2	0.3	2.193.4	237.8	1.7	0.1	6
7	2.183.2	134.3	0.7	2.3	2.184(	141.0	0.5	0.2	2.186.5	163.6	1.3	0.3	2.193.7	241.5	1.7	0.1	7
8	2.182.8	131.0	0.7	2.3	2.184(	141.0	0.5	0.2	2.186.7	165.4	1.3	0.3	2.193.9	243.9	1.7	0.1	8
9	2.182.5	128.6	0.7	2.3	2.184.1	141.9	0.5	0.2	2.186.9	167.4	1.3	0.3	2.194.2	247.6	1.7	0.1	9
10	2.182.1	125.3	0.7	2.3	2.184.1	141.9	0.5	0.2	2.187.1	169.3	1.3	0.3	2.194.5	251.3	1.9	0.1	10
11	2.182.0	124.5	0.6	0.9	2.184.2	142.8	0.5	0.2	2.187.3	171.2	1.3	0.3	2.194.8	255.0	2.0	0.1	11
12	2.182.1	125.3	0.6	0.2	2.184.2	142.8	0.5	0.2	2.187.5	173.2	1.3	0.3	2.194.9	256.3	1.7	0.1	12
13	2.182.2	126.1	0.5	0.2	2.183.6	137.6	0.5	2.7	2.187.7	175.2	1.3	0.3	2.195.1	258.8	1.7	0.1	13
14	2.182.3	126.9	0.5	0.2	2.183.4	136.0	0.5	1.7	2.187.9	177.1	1.3	0.3	2.195.4	262.6	1.7	0.1	14
15	2.182.3	126.9	0.5	0.2	2.183.5	136.8	0.6	0.2	2.188.1	179.1	1.3	0.2	2.195.6	265.2	1.7	0.1	15
16	2.182.4	127.7	0.5	0.2	2.183.6	137.6	0.6	0.2	2.188.4	182.2	1.4	0.2	2.195.9	269.0	1.7	0.1	16
17	2.182.5	128.6	0.5	0.2	2.183.6	137.6	0.6	0.2	2.188.6	184.2	1.4	0.2	2.196.2	272.9	1.7	0.1	17
18	2.182.6	129.4	0.5	0.2	2.183.7	138.5	0.6	0.2	2.188.9	187.3	1.4	0.2	2.196.4	275.6	1.7	0.1	18
19	2.182.7	130.2	0.5	0.2	2.183.7	138.5	0.6	0.2	2.189.1	189.4	1.5	0.2	2.196.6	278.2	1.7	0.1	19
20	2.182.7	130.2	0.5	0.2	2.183.8	139.3	0.6	0.2	2.189.3	191.5	1.5	0.2	2.196.9	282.2	1.7	0.1	20
21	2.182.8	131.0	0.5	0.2	2.183.9	140.2	0.6	0.2	2.189.6	194.7	1.5	0.2	2.197.1	284.8	1.7	0.1	21
22	2.182.9	131.8	0.5	0.2	2.184.0	141.0	0.6	0.2	2.189.8	196.8	1.5	0.2	2.197.4	288.9	1.7	0.1	22
23	2.183.0	132.6	0.5	0.2	2.184.0	141.0	0.6	0.2	2.190.0	198.9	1.5	0.2	2.197.6	291.5	1.7	0.1	23
24	2.183.0	132.6	0.5	0.2	2.184.1	141.9	0.6	0.2	2.190.3	202.2	1.5	0.2	2.197.9	295.6	1.7	0.1	24
25	2.183.1	133.4	0.5	0.2	2.184.2	142.8	0.7	0.2	2.190.5	204.4	1.5	0.2	2.198.1	298.3	1.7	0.1	25
26	2.183.2	134.3	0.5	0.2	2.184.3	143.6	0.7	0.2	2.190.7	206.5	1.5	0.2	2.198.4	302.4	1.8	0.1	26
27	2.183.2	134.3	0.5	0.2	2.184.4	144.5	0.7	0.2	2.190.9	208.7	1.5	0.2	2.198.6	305.1	1.8	0.1	27
28	2.183.3	135.1	0.5	0.2	2.184.6	146.3	0.7	0.2	2.191.2	212.1	1.5	0.2	2.198.9	309.2	1.8	0.1	28
29	2.183.4	136.0	0.5	0.2	2.184.8	148.0	0.7	0.2	2.191.4	214.4	1.5	0.2	2.199.1	312.0	1.8	0.1	29
30	2.183.4	136.0	0.5	0.2	2.185.0	149.8	0.7	0.2	2.191.6	216.6	1.5	0.2	2.199.4	316.2	1.8	0.1	30
31	2.183.5	136.6	0.5	0.2					2.191.9	220.1	1.6	0.2	2.199.7	320.4	2.2	0.1	31
TOTAL			17.7	27.9			16.6	10.0			42.7	7.3			53.7	3.1	
Inf. Ac. Ft.			35.1				32.9				84.7				106.5	259.2	
Outf. Ac. Ft.			55.3				19.8				14.5				6.1	95.7	
Maximum Mean Daily Inflow			0.7				0.7				1.6				2.2	2.2	
Minimum Mean Daily Inflow			0.5				0.4				1.2				1.6	0.4	
Storage Change		- 20.2				+ 13.0				+ 70.3				+ 100.3		+ 163.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2246.2	feet on	VARIOUS DAYS	Storage	1477.5	Acre Feet		
Min. W. S. Elev.	2182.0	feet on	10/11/62	Storage	124.5	Acre Feet		
Max. Peak Inf.	237.	C.F.S. from	1:00 A.M. on	2/10/63	to	1:15 A.M. on	2/10/63	
Max. Peak Outf.	7.7	C.F.S. from	12:00 MID. on	9/4/63	to	12:00 MID. on	9/5/63	

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	TS AJF
J.R. HYDE	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

76D138N-68B Q/b 12-57

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1963

On

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4064.7 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of July 1962 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	2.200.2	327.4	3.6	0.1	2.225.7	823.0	3.0	0.1	2.235.5	1.096.9	4.0	0.1	2.243.5	1.372.8	4.7	0.1	1
2	2.200.5	331.7	2.3	0.1	2.225.9	828.0	3.0	0.1	2.235.8	1.106.2	4.0	0.1	2.243.7	1.380.4	4.7	0.1	2
3	2.200.8	336.0	2.1	0.1	2.226.2	835.6	3.0	0.1	2.236.0	1.112.4	4.0	0.1	2.243.9	1.387.9	4.7	0.1	3
4	2.201.1	340.3	2.1	0.1	2.226.4	840.7	3.0	0.1	2.236.3	1.122.0	4.0	0.1	2.244.1	1.395.6	4.7	0.1	4
5	2.201.4	344.6	2.1	0.1	2.226.6	845.7	3.0	0.1	2.236.5	1.128.4	3.9	0.1	2.244.4	1.407.1	4.7	0.1	5
6	2.201.7	349.0	2.0	0.1	2.226.8	850.8	3.0	0.1	2.236.7	1.134.7	3.9	0.1	2.244.5	1.411.0	2.7	0.1	6
7	2.201.9	353.9	2.0	0.1	2.227.1	858.5	3.0	0.1	2.236.9	1.141.1	3.9	0.1	2.244.7	1.418.6	2.7	0.1	7
8	2.202.1	358.9	2.0	0.1	2.227.3	863.7	3.0	0.1	2.237.2	1.150.8	5.0	0.1	2.244.8	1.422.5	2.7	0.1	8
9	2.207.3	435.7	40.8	0.1	2.227.5	868.9	3.0	0.1	2.237.4	1.157.4	3.1	0.1	2.244.9	1.426.4	2.7	0.1	9
10	2.216.7	614.0	90.0	0.1	2.227.8	876.7	3.0	0.1	2.237.6	1.163.9	3.1	0.1	2.245.1	1.434.1	2.7	0.1	10
11	2.218.5	653.4	20.0	0.1	2.228.0	881.9	3.0	0.1	2.237.8	1.170.5	3.1	0.1	2.245.3	1.442.0	2.6	0.1	11
12	2.219.4	673.6	10.3	0.1	2.228.2	887.2	2.8	0.1	2.238.0	1.177.0	3.1	0.1	2.245.4	1.445.9	2.6	0.1	12
13	2.220.0	687.2	6.9	0.1	2.228.4	892.5	2.8	0.1	2.238.1	1.180.4	3.0	0.1	2.245.5	1.449.6	2.6	0.1	13
14	2.220.6	705.6	9.4	0.1	2.228.6	897.9	2.9	0.1	2.238.4	1.190.6	5.2	0.1	2.245.7	1.457.7	2.6	0.1	14
15	2.221.4	719.6	7.2	0.1	2.228.9	905.6	4.1	0.1	2.238.7	1.200.6	5.2	0.1	2.245.8	1.461.6	2.6	0.1	15
16	2.221.9	731.3	6.0	0.1	2.229.3	916.7	5.6	0.1	2.238.9	1.207.3	3.4	0.1	2.245.9	1.465.6	2.6	0.1	16
17	2.222.3	740.7	4.8	0.1	2.229.8	930.3	6.9	0.1	2.239.2	1.217.6	5.3	0.1	2.246.0	1.469.5	2.6	0.1	17
18	2.222.7	750.1	4.8	0.1	2.230.3	944.0	7.0	0.1	2.239.4	1.224.5	3.6	0.1	2.246.1	1.473.5	2.6	0.1	18
19	2.223.0	757.2	3.6	0.1	2.230.6	952.4	4.8	0.1	2.239.5	1.228.0	1.9	0.1	2.246.2	1.477.5	2.6	0.1	19
20	2.223.4	766.6	3.6	0.1	2.231.0	963.5	4.7	0.1	2.239.9	1.241.8	7.0	0.1	2.246.2	1.477.5	2.1	1.6	20
21	2.223.7	774.0	3.6	0.1	2.231.3	972.0	4.7	0.1	2.240.4	1.259.5	9.1	0.1	2.246.2	1.477.5	2.1	2.4	21
22	2.224.0	781.2	3.5	0.1	2.231.6	980.6	4.7	0.1	2.240.7	1.270.1	5.4	0.1	2.246.2	1.477.5	2.1	2.4	22
23	2.224.2	786.1	3.5	0.1	2.232.0	992.0	5.6	0.1	2.240.9	1.277.2	3.7	0.1	2.246.2	1.477.5	2.1	2.5	23
24	2.224.5	793.4	3.5	0.1	2.232.3	1.000.6	4.2	0.1	2.241.1	1.284.3	3.7	0.1	2.246.2	1.477.5	2.1	2.4	24
25	2.224.8	800.7	3.5	0.1	2.232.6	1.009.5	4.2	0.1	2.241.4	1.295.2	5.6	0.1	2.246.2	1.477.5	2.1	2.4	25
26	2.225.0	805.6	3.5	0.1	2.232.9	1.018.3	4.2	0.1	2.241.9	1.313.3	9.2	0.1	2.246.1	1.473.5	2.1	2.3	26
27	2.225.3	813.1	3.5	0.1	2.233.1	1.024.2	4.1	0.1	2.242.3	1.328.0	6.2	0.1	2.246.1	1.473.5	2.1	2.3	27
28	2.225.5	818.0	3.5	0.1	2.233.9	1.048.0	12.1	0.1	2.242.7	1.342.8	6.2	0.1	2.246.1	1.473.5	2.1	2.2	28
29					2.234.4	1.063.2	7.7	0.1	2.243.0	1.353.9	6.2	0.1	2.246.1	1.473.5	2.1	2.2	29
30					2.234.8	1.075.3	6.3	0.1	2.243.2	1.361.5	6.1	0.1	2.246.1	1.473.5	2.0	2.2	30
31					2.235.2	1.087.6	6.2	0.1					2.246.1	1.473.5	2.0	2.1	31
TOTAL			253.7	2.8			139.0	3.1			141.1	3.0			85.4	28.9	
Inf. Ac. Ft.			503.2				275.7				279.9				169.4	1487.4	
Outf. Ac. Ft.			5.6				6.1				6.0				87.3	170.7	
Maximum Mean Daily Inflow			90.0				12.1				9.2				4.7	90.0	
Minimum Mean Daily Inflow			2.0				2.9				1.9				2.0	0.4	
Storage Change		+ 497.6				+ 269.6				+ 273.9				+ 112.0		+ 1316.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2246.2	feet	on	VARIOUS DAYS	Storage	1477.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2182.0	feet	on	10/11/62	Storage	124.5	Acre Feet	W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	237.	C.F.S. from	1:00 A.M.	on 2/10/63	to	1:15 A.M.	on 2/10/63	J.R. HYDE	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	7.7	C.F.S. from	12:00 MID.	on 9/4/63	to	12:00 MID.	on 9/5/63		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS (INDICATES AVERAGE FOR PERIOD.

76D138N-68B Q/b 12-57

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1963

On

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4064.7 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of July 1962 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2.246.0	1.469.5	1.5	2.2	2.243.1	1.357.7	0.5	3.5	2.236.3	1.122.0	0.6	5.3	2.226.5	843.2	1.2	5.0	1
2	2.246.0	1.469.5	1.5	2.3	2.242.9	1.350.2	0.5	3.5	2.236.0	1.112.4	0.6	5.3	2.226.2	835.6	1.1	5.0	2
3	2.246.0	1.469.5	1.5	2.3	2.242.8	1.346.5	0.5	3.5	2.235.7	1.103.1	0.6	5.4	2.225.8	825.5	0.1	5.0	3
4	2.246.0	1.469.5	1.5	2.4	2.242.6	1.339.1	0.5	3.5	2.235.4	1.093.8	0.6	5.4	2.225.4	815.6	2.0	6.9	4
5	2.245.9	1.465.6	1.5	2.5	2.242.4	1.331.7	0.4	3.5	2.235.1	1.084.5	0.6	5.4	2.225.0	805.6	2.6	7.7	5
6	2.245.9	1.465.6	1.5	2.6	2.242.2	1.324.3	0.4	3.5	2.234.8	1.075.3	0.6	5.4	2.224.5	793.4	1.5	7.6	6
7	2.245.9	1.465.6	1.5	2.6	2.242.0	1.316.9	0.4	3.5	2.234.5	1.066.2	0.6	5.5	2.224.0	781.2	1.3	7.5	7
8	2.245.9	1.465.6	1.5	2.6	2.241.9	1.313.3	0.4	3.5	2.234.2	1.057.1	0.6	5.5	2.223.4	766.6	0.2	7.4	8
9	2.245.8	1.461.6	1.7	2.6	2.241.7	1.306.0	0.4	3.5	2.233.9	1.048.0	0.6	5.5	2.222.9	754.6	1.2	7.3	9
10	2.245.8	1.461.6	3.5	2.5	2.241.5	1.298.5	0.4	3.5	2.233.5	1.036.1	0.7	5.5	2.222.4	743.0	1.3	7.2	10
11	2.245.7	1.457.7	1.9	3.9	2.241.3	1.291.6	0.4	3.5	2.233.2	1.027.2	0.7	5.4	2.221.9	731.3	1.2	7.1	11
12	2.245.7	1.457.7	3.9	3.9	2.241.1	1.284.3	0.4	3.5	2.232.9	1.018.3	0.7	5.4	2.221.4	719.6	1.1	7.0	12
13	2.245.6	1.453.8	2.0	3.9	2.240.9	1.277.2	0.4	3.5	2.232.6	1.009.5	0.7	5.4	2.220.8	705.6	0.1	7.0	13
14	2.245.5	1.449.8	1.9	3.9	2.240.8	1.273.6	0.4	3.5	2.232.3	1.000.8	0.8	5.4	2.220.3	694.1	1.2	7.0	14
15	2.245.4	1.445.9	1.9	3.9	2.240.6	1.266.5	0.4	3.5	2.232.0	992.0	0.8	5.3	2.219.8	682.7	1.1	6.9	15
16	2.245.4	1.445.9	1.2	3.9	2.240.4	1.259.5	0.4	3.5	2.231.7	983.4	0.8	5.3	2.219.3	671.4	1.3	6.9	16
17	2.245.3	1.442.0	1.2	3.9	2.240.2	1.252.4	0.4	3.5	2.231.4	974.9	0.8	5.3	2.218.8	660.1	1.2	6.9	17
18	2.245.1	1.434.1	1.2	3.9	2.240.0	1.245.3	0.4	3.5	2.231.0	963.5	0.8	5.3	2.218.4	651.2	2.3	6.8	18
19	2.245.0	1.430.2	1.2	3.9	2.239.8	1.238.4	0.4	3.5	2.230.7	955.2	0.8	5.3	2.217.9	640.1	1.2	6.8	19
20	2.244.8	1.422.5	1.2	3.9	2.239.6	1.231.5	0.4	3.5	2.230.4	946.8	0.8	5.3	2.217.3	627.0	0.2	6.8	20
21	2.244.6	1.414.6	1.2	3.9	2.239.4	1.224.5	0.4	3.5	2.230.1	938.5	0.8	5.3	2.216.8	616.1	1.2	6.7	21
22	2.244.5	1.411.0	1.2	3.9	2.239.2	1.217.6	0.4	3.5	2.229.7	927.5	0.8	5.3	2.216.2	603.2	0.2	6.7	22
23	2.244.4	1.407.1	1.2	3.9	2.239.0	1.210.7	0.3	4.6	2.229.4	919.4	0.8	5.3	2.215.7	592.6	1.3	6.7	23
24	2.244.2	1.399.4	1.2	3.9	2.238.7	1.200.6	0.3	5.1	2.229.1	911.2	0.8	5.2	2.215.1	579.9	0.3	6.7	24
25	2.244.0	1.391.7	1.2	3.9	2.238.4	1.190.5	0.3	5.1	2.228.8	902.2	0.8	5.2	2.214.6	569.6	1.4	6.6	25
26	2.243.9	1.387.9	1.2	3.9	2.238.1	1.180.4	0.3	5.1	2.228.4	892.5	0.8	5.1	2.214.0	557.2	0.4	6.6	26
27	2.243.7	1.380.4	1.2	3.9	2.237.8	1.170.5	0.3	5.2	2.228.1	884.6	0.8	5.1	2.213.4	545.3	0.6	6.6	27
28	2.243.6	1.376.6	1.2	3.9	2.237.5	1.160.6	0.3	5.2	2.227.8	876.7	0.8	5.0	2.212.8	533.6	0.6	6.5	28
29	2.243.4	1.369.0	1.1	3.9	2.237.2	1.150.8	0.3	5.2	2.227.4	866.3	0.8	5.0	2.212.3	524.0	1.6	6.5	29
30	2.243.3	1.365.2	1.1	3.9	2.236.9	1.141.1	0.3	5.2	2.227.1	858.5	0.8	5.0	2.211.7	512.6	0.7	6.4	30
31					2.236.6	1.131.5	0.2	5.3	2.226.8	850.8	0.8	5.0					31
TOTAL			49.0	103.6			11.8	129.6			22.6	164.1			31.3	201.8	
Inf. Ac. Ft.			97.2				23.4				44.8				62.1	1714.9	
Outf. Ac. Ft.			205.5				257.1				325.5				400.3	1359.1	
Maximum Mean Daily Inflow			3.9				0.5				0.8				2.6	90.0	
Minimum Mean Daily Inflow			1.1				0.2				0.6				0.7	0.2	
Storage Change		- 108.3				- 233.7				- 280.7				- 338.2		+ 355.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2246.2	feet	on	VARIOUS DAYS	Storage	1477.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2182.0	feet	on	10/11/62	Storage	124.5	Acre Feet	W.L. CROKE	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	237.	C.F.S. from	1:00 A.M.	on 2/10/63	to	1:15 A.M.	on 2/10/63	J.R. HYDE	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	7.7	C.F.S. from	12:00 MID.	on 9/4/63	to	12:00 MID.	on 9/5/63		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS (INDICATES AVERAGE FOR PERIOD.

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2886.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of July, 19 61 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			0	0			0	0	1.019.8	153.1	6.2	.1	1.024.4	290.1	.6	.1	1
2			0	0			0	0	1.026.2	356.1	107.8	.1	1.024.3	286.6	.6	.1	2
3			0	0			0	0	1.026.7	376.0	15.6	.1	1.024.3	286.6	.6	.1	3
4			0	0			0	0	1.026.7	376.0	4.2	.1	1.024.2	283.2	.6	.1	4
5			0	0			0	0	1.026.7	376.0	3.2	.1	1.024.1	279.7	.6	.1	5
6			0	0			0	0	1.026.6	372.0	2.1	.1	1.024.0	276.2	.5	.1	6
7			0	0			0	0	1.026.6	372.0	2.0	.1	1.023.9	272.9	.5	.1	7
8			0	0			0	0	1.026.5	368.0	1.9	.1	1.023.8	269.6	.5	.1	8
9			0	0			0	0	1.026.3	360.1	1.8	.1	1.023.7	266.4	.5	.1	9
10			0	0			0	0	1.026.1	352.1	1.6	.1	1.023.7	266.4	.5	.1	10
11			0	0			0	0	1.026.0	348.1	1.5	.1	1.023.6 1/	263.1	.5	.1	11
12			0	0			0	0	1.025.9	344.4	1.4	.1	1.023.6	263.1	.5	.1	12
13			0	0			0	0	1.025.9	344.4	1.3	.1	1.023.5	259.8	.5	.1	13
14			0	0			0	0	1.025.8	340.7	1.2	.1	1.023.4 1/	256.5	.4	.1	14
15			0	0			0	0	1.025.8	340.7	1.2	.1	1.023.4	256.5	.4	.1	15
16			0	0			0	0	1.025.7	337.0	1.1	.1	1.023.2	250.0	.4	.1	16
17			0	0			0	0	1.025.6	333.3	1.0	.1	1.023.2	250.0	.4	.1	17
18			0	0			0	0	1.025.6	333.3	1.0	.1	1.023.2	250.0	.4	.1	18
19			0	0	985.9	0	0	0	1.025.5	329.6	.9	.1	1.023.2	250.0	.4	.1	19
20			0	0	1.019.1	136.7	72.4	0	1.025.5	329.6	.8	.1	1.029.4	504.5	133.1	.1	20
21			0	0	1.018.4	122.0	0	0	1.025.4	325.8	.8	.1	1.029.9	533.1	19.3	.1	21
22			0	0	1.017.9	111.9	0	0	1.025.3	322.1	.8	.1	1.031.4	629.1	53.5	.1	22
23			0	0	1.017.4	102.9	0	0	1.025.3	322.1	.8	.1	1.031.4	629.1	7.6	.1	23
24			0	0	1.017.0	95.7	0	0	1.025.2	318.4	.7	.1	1.031.3	622.3	1.9	.1	24
25			0	0	1.019.6	148.4	32.6	0	1.025.0	311.0	.7	.1	1.031.2	615.6	1.4	.1	25
26			0	0	1.019.7	150.8	5.2	0	1.024.9	307.5	.7	.1	1.031.1	608.8	1.0	.1	26
27			0	0	1.019.5	146.1	0	0	1.024.8	304.0	.6	.1	1.031.0	602.1	.9	.1	27
28			0	0	1.019.4	143.8	0	0	1.024.8	304.0	.6	.1	1.030.9	595.8	.8	.1	28
29			0	0	1.019.2	139.1	0	0	1.024.7	300.6	.6	.1	1.030.8	589.4	.7	.1	29
30			0	0	1.019.5	146.1	6.1	0	1.024.7	300.6	.6	.1	1.030.7	583.1	.6	.1	30
31			0	0					1.024.5	293.6	.6	.1	1.030.6	576.8	.5	.1	31
TOTAL			0	0			116.3	0			165.3	3.1			230.7	3.1	
Inf. Ac. Ft.			0				230.7				327.9				457.6	1016.2	
Outf. Ac. Ft.			0				0 + (84.5)				6.1 + (174.3)				6.1 + (168.2)	12.2 + (427.0)	
Maximum Mean Daily Inflow			0				72.4				107.8				133.1	133.1	
Minimum Mean Daily Inflow			0				0				0.6				0.4	0	
Storage Change		0				+ 146.1				+ 147.5				+ 283.2		+ 576.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1048.6	feet	on	2/11/62	Storage	2208.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	985.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	GLW TS	
Max. Peak Inf.	1841.	C.F.S. from	2:30 P.M.	on	2/11/62	to	2:45 P.M.	on	2/11/62	R.V. WOOD	Hydrographer	Storage applied	GLW TS	
Max. Peak Outf.	812.	C.F.S. from	6:00 P.M.	on	2/11/62	to	8:00 P.M.	on	2/11/62		Hydrographer	Inf. & Outf. comp.	GLW TS	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

1/ GAGE HEIGHTS ESTIMATED

76D138N-68B Glb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of DEVIL'S GATE Dam

In/On Arroyo Seco for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2749.6 / 2886.1 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of May 1962 / July, 19 61 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	1.030.4	564.1	.5	.1	1.032.3	690.6	16.1	18.0	1.029.3	498.8	2.6	1.7	1.024.8	177.7 2/	2.4	1.2	1
2	1.030.3	557.8	.5	.1	1.032.1	676.6	16.1	18.0	1.029.1	487.4	2.6	1.7	1.024.6	170.8	2.4	1.3	2
3	1.030.1	545.1	.5	.1	1.031.8	656.0	12.4	18.0	1.028.9	476.7	2.6	1.7	1.024.4	163.8	2.4	1.3	3
4	1.030.0	538.8	.4	.1	1.031.5	635.8	12.1	17.8	1.028.7	466.8	2.6	1.7	1.024.2	156.9	2.3	1.2	4
5	1.029.9	533.1	.4	.1	1.031.3	622.3	5.1	7.6	1.028.6	461.5	2.5	1.6	1.024.0	150.0	2.3	1.2	5
6	1.029.8	527.4	.4	.1	1.031.7	649.3	20.2	1.9	1.028.5	456.8	2.5	1.6	1.023.9	146.9	2.2	1.2	6
7	1.030.0	538.8	9.3	.1	1.031.7	649.3	6.5	1.8	1.028.3	446.8	2.5	1.5	1.023.7	140.7	2.2	1.2	7
8	1.034.0	813.5	144.6	.1	1.031.6	642.5	2.9	1.7	1.028.1	436.9	2.5	1.5	1.023.5	134.5	2.1	1.1	8
9	1.035.5	929.2	138.9	73.5	1.031.5	635.8	2.9	1.7	1.027.9	427.5	2.5	1.4	1.023.3	128.3	2.1	1.1	9
10	1.039.1	1.233.3	313.3	149.0	1.031.5	635.8	2.6	1.6	1.027.8	423.1	2.5	1.4	1.023.1	122.1	2.0	1.1	10
11	1.048.1	2.150.7	969.9	482.4	1.031.4	629.1	2.8	1.6	1.027.7	418.7	2.5	1.3	1.023.0	119.0	2.0	1.0	11
12	1.036.8	1.034.5	207.4	755.1	1.031.3	622.3	2.8	1.6	1.027.5	410.0	2.5	1.3	1.022.8	113.5	1.9	1.0	12
13	1.035.7	945.1	130.3	167.4	1.031.1	608.8	2.7	1.5	1.027.3	401.2	2.5	1.4	1.022.6	108.0	1.9	1.0	13
14	1.033.3	762.0	65.4	151.7	1.031.0	602.1	2.7	1.5	1.027.1	392.4	2.5	1.4	1.022.5	105.3	1.8	1.0	14
15	1.033.5	776.8	159.8	146.4	1.030.8	589.4	2.7	1.4	1.027.2	396.8	3.7	1.5	1.022.3	99.8	1.8	.9	15
16	1.032.9	733.0	77.0	93.1	1.030.7	583.1	2.6	1.4	1.027.2	396.8	2.5	1.5	1.022.6	108.0	8.9	.9	16
17	1.033.0	740.0	44.3	34.8	1.030.6	576.8	2.6	1.4	1.027.2	396.8	2.4	1.6	1.022.5	105.3	3.4	.9	17
18	1.032.9	733.0	27.0	24.6	1.030.6	589.4	12.1	1.4	1.027.1	392.4	2.4	1.6	1.022.3	99.8	1.8	.9	18
19	1.036.3	993.4	166.2	25.0	1.030.7	583.1	2.6	1.4	1.026.9	384.0	2.4	1.6	1.022.1	94.3	1.6	.9	19
20	1.036.7	1.026.3	52.0	25.4	1.030.7	583.1	2.6	1.4	1.026.7	376.0	2.4	1.6	1.021.9	89.2	1.5	.8	20
21	1.036.6	1.018.1	41.8	35.9	1.030.6	576.8	2.6	1.4	1.026.5	368.0	2.4	1.6	1.021.8	86.9	1.5	.8	21
22	1.036.0	968.8	34.3	49.2	1.030.8	589.4	12.1	1.4	1.026.4	364.1	2.4	1.6	1.021.6	82.1	1.4	.8	22
23	1.035.1	897.6	20.9	48.8	1.030.7	583.1	2.7	1.5	1.026.2	356.1	2.4	1.5	1.021.4	77.4	1.4	.8	23
24	1.034.3	836.4	24.6	48.4	1.030.5	570.4	2.7	1.5	1.026.0	348.1	2.4	1.5	1.021.3	75.0	1.3	.8	24
25	1.033.5	776.8	23.9	48.0	1.030.4	564.1	2.7	1.5	1.025.8	340.7	2.7	1.5	1.021.1	70.3	1.2	.7	25
26	1.032.8	725.9	18.4	38.4	1.030.3	557.8	2.6	1.5	1.025.7	337.0	2.6	1.5	1.020.9	65.9	1.1	.7	26
27	1.032.7	718.6	20.0	18.1	1.030.1	545.1	2.6	1.6	1.025.5	329.6	2.5	1.5	1.020.7	62.0	1.0	.7	27
28	1.032.5	704.8	16.2	18.0	1.029.9	533.1	2.6	1.6	1.025.3	322.1	2.5	1.4	1.020.5	58.1	.9	.6	28
29					1.029.8	527.4	2.6	1.6	1.025.1	314.7	2.5	1.4	1.020.3	54.2	.8	.6	29
30					1.029.6	516.0	2.6	1.6	1.024.9	307.5	2.4	1.4	1.020.2	52.2	.7	.6	30
31					1.029.5	510.2	2.6	1.6					1.020.1	50.3	.6	.6	31
TOTAL			2.708.2	2.434.0			171.8	119.5			76.0	45.5			60.9	29.0	
Inf. Ac. Ft.			5371.6				340.8				150.7				120.8	7000.1	
Outf. Ac. Ft.			4827.8 + (415.9)				237.0 + (298.3)				90.2 + (263.2)				57.5 + (194.0)	5224.7 + (1598.4	
Maximum Mean Daily Inflow			969.9				20.2				3.7				8.9	969.9	
Minimum Mean Daily Inflow			0.4				2.6				2.4				0.6	0	
Storage Change		+ 128.0				- 194.6				- 202.7				- 257.2 2/		+ 50.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1048.6	feet	on	2/11/62	Storage	2208.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	985.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	1841.	C.F.S. from	2:30 P.M.	on	2/11/62	to	2:45 P.M.	on	2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	812.	C.F.S. from	6:00 P.M.	on	2/11/62	to	8:00 P.M.	on	2/11/62		Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

2/ CHANGE TO STORAGE TABLE XI. 126.4 A.F. LOSS DUE TO SILTATION.

76D138N-68B Cth 12-57

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~~ On Arroyo Seco for the Year Ending September 30, 1962

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2749.6 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of May 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1.019.9	46.8	.5	.5			0	0			0	0			0	0	1
2	1.019.7	43.8	.5	.5			0	0			0	0			0	0	2
3	1.019.5	40.8	.4	.4			0	0			0	0			0	0	3
4	1.019.4	39.4	.4	.4			0	0			0	0			0	0	4
5	1.019.2	36.4	.4	.4			0	0			0	0			0	0	5
6	1.019.0	33.4	.3	.3			0	0			0	0			0	0	6
7	1.018.9	32.3	.3	.3			0	0			0	0			0	0	7
8	1.018.8	31.3	.3	.3			0	0			0	0			0	0	8
9	1.018.7	30.2	.3	.3			0	0			0	0			0	0	9
10	1.018.5	28.1	.3	.3			0	0			0	0			0	0	10
11	1.018.3	26.0	.2	.2			0	0			0	0			0	0	11
12	1.018.1	23.9	.2	.2			0	0			0	0			0	0	12
13	1.017.9	22.1	.2	.2			0	0			0	0			0	0	13
14	1.013.5	6.6	.2	7.8			0	0			0	0			0	0	14
15	991.8	0	.2	3.3	NO STORAGE		0	0	NO STORAGE		0	0	NO STORAGE		0	0	15
16			.2	.2			0	0			0	0			0	0	16
17			.2	.2			0	0			0	0			0	0	17
18			.2	.2			0	0			0	0			0	0	18
19			.2	.2			0	0			0	0			0	0	19
20			.2	.2			0	0			0	0			0	0	20
21			.2	.2			0	0			0	0			0	0	21
22			.2	.2			0	0			0	0			0	0	22
23			.1	.1			0	0			0	0			0	0	23
24			.1	.1			0	0			0	0			0	0	24
25			.1	.1			0	0			0	0			0	0	25
26			.1	.1			0	0			0	0			0	0	26
27			.1	.1			0	0			0	0			0	0	27
28			.1	.1			0	0			0	0			0	0	28
29			.1	.1			0	0			0	0			0	0	29
30			.1	.1			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			6.9	17.6			0	0			0	0			0	0	
Inf. Ac. Ft.			13.7				0				0				0	7013.8	
Outf. Ac. Ft.			34.9 + (29.2)				0				0				0	5259.6 + (1627.4) 2/	
Maximum Mean Daily Inflow			0.5				0				0				0	969.9	
Minimum Mean Daily Inflow			0.1				0				0				0	0	
Storage Change	-50.3				0				0				0			0 2/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1048.6	feet	on	2/11/62	Storage	2208.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	985.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	1841.	C.F.S. from	2:30 P.M.	on	2/11/62	to	2:45 P.M.	on	2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	812.	C.F.S. from	6:00 P.M.	on	2/11/62	to	8:00 P.M.	on	2/11/62		Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

2/ 126.4 A.F. LOSS DUE TO SILTATION.

76D138N-68B Cth 12-57

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~~ On Arroyo Seco for the Year Ending September 30, 1963

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2749.6 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of May 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	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		STORAGE	0	0		STORAGE	0	0		STORAGE	0	0		STORAGE	0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22		NO	0	0		NO	0	0		NO	0	0		NO	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	1.016.0	11.3	6.1	0	31
TOTAL			0	0			0	0			0	0			6.1	0	
Inf. Ac. Ft.			0				0				0				12.1	12.1	
Outf. Ac. Ft.			0				0				0				0 + (0.8)	0 + (0.8)	
Maximum Mean Daily Inflow			0				0				0				6.1	6.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0				0				0				+ 11.3			+ 11.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1035.3	feet	on	2/10/63	Storage	783.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	991.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	1292.	C.F.S. from	7:00 P.M.	on	2/9/63	to	7:15 P.M.	on	2/9/63	R.V. WOOD	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	51.	C.F.S. from	9:45 A.M.	on	6/21/63	to	10:35 A.M.	on	6/21/63		Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS

76D138M-688 Ob 12-57

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 / On Arroyo Seco for the Year Ending September 30, 1963

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2749.6 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of May, 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1.015.8	10.8	.3	.2	1.031.9	538.2	0	.5	1.030.9	474.1	3.3	.6	1.029.2	374.8	0	.7	1
2	1.015.1	8.9	.1	.2	1.031.7	525.2	0	.5	1.030.8	468.0	0	.5	1.029.0	363.6	0	.7	2
3	1.014.6	8.0	0	.2	1.031.6	518.8	0	.5	1.030.6	455.9	0	.5	1.028.9	358.4	0	.6	3
4	1.014.1	7.2	0	.2	1.031.4	505.9	0	.5	1.030.5	449.9	0	.5	1.028.8	353.3	0	.6	4
5	1.013.7	6.8	0	.2	1.031.3	499.4	0	.5	1.030.4	443.9	0	.5	1.028.7	348.1	0	.6	5
6	1.013.3	6.4	0	.2	1.031.2	493.0	0	.5	1.030.2	431.8	0	.5	1.028.5	337.8	0	.6	6
7	1.013.0	6.0	0	.2	1.031.0	480.1	0	.5	1.030.1	425.7	0	.5	1.028.4	332.6	0	.5	7
8	1.012.7	5.8	.1	.2	1.030.9	474.1	0	.5	1.030.0	419.7	0	.5	1.028.3	327.5	0	.5	8
9	1.032.3	565.1	289.2	.7	1.030.8	468.0	0	.5	1.029.9	414.1	0	.6	1.028.2	322.3	0	.5	9
10	1.035.3	783.0	117.4	.7	1.030.7	462.0	0	.5	1.029.8	408.5	0	.6	1.028.1	317.2	0	.5	10
11	1.034.8	744.5	1.3	.7	1.030.6	455.9	0	.5	1.029.7	402.9	0	.6	1.027.9	307.3	0	.5	11
12	1.034.4	714.5	0	.7	1.030.5	449.9	0	.5	1.029.6	397.3	0	.6	1.027.8	302.6	0	.5	12
13	1.034.1	692.0	1.4	.7	1.030.3	437.8	0	.5	1.029.4	386.0	0	.6	1.027.7	297.9	0	.5	13
14	1.034.4	714.5	26.5	.7	1.030.3	437.8	3.0	.5	1.029.8	408.5	14.3	.6	1.027.6	293.2	0	.5	14
15	1.034.2	699.5	5.5	.6	1.030.2	431.8	0	.5	1.029.7	402.9	0	.6	1.027.4	283.9	0	.5	15
16	1.034.0	684.5	0	.6	1.031.7	525.2	52.1	.5	1.029.6	397.3	0	.6	1.027.3	279.2	0	.5	16
17	1.033.8	670.2	0	.6	1.031.7	525.2	7.0	.5	1.029.4	386.0	0	.6	1.027.2	274.5	0	.5	17
18	1.033.6	655.8	0	.6	1.031.6	518.8	0	.5	1.029.3	380.4	0	.6	1.027.1	269.8	0	.5	18
19	1.033.5	648.6	0	.6	1.031.5	512.4	0	.5	1.029.2	374.8	0	.6	1.027.0	265.1	0	.5	19
20	1.033.3	634.3	0	.6	1.031.4	505.9	0	.5	1.029.4	386.0	8.5	.6	1.026.8	256.6	0	.5	20
21	1.033.2	627.1	0	.6	1.031.3	499.4	0	.5	1.029.3	380.4	.1	.6	1.026.7	252.4	0	.5	21
22	1.033.0	612.8	0	.6	1.031.2	493.0	0	.5	1.029.2	374.8	0	.6	1.026.6	248.2	0	.5	22
23	1.032.8	599.2	0	.6	1.031.3	499.4	6.6	.6	1.029.0	363.6	0	.6	1.026.5	244.0	0	.5	23
24	1.032.7	592.3	0	.6	1.031.2	493.0	.1	.6	1.028.9	358.4	0	.6	1.026.4	239.7	0	.4	24
25	1.032.5	578.7	0	.6	1.031.1	486.6	0	.6	1.029.4	386.0	18.2	.6	1.026.2	231.3	0	.4	25
26	1.032.3	565.1	0	.6	1.031.0	480.1	0	.6	1.029.8	408.5	16.0	.6	1.026.1	227.0	0	.4	26
27	1.032.2	558.2	0	.6	1.030.9	474.1	0	.6	1.029.7	402.9	.2	.6	1.026.0	222.8	0	.4	27
28	1.032.0	544.6	0	.6	1.031.2	493.0	12.8	.6	1.029.5	391.6	0	.6	1.025.9	219.0	0	.4	28
29					1.031.1	486.6	0	.6	1.029.4	386.0	0	.6	1.025.8	215.2	0	.4	29
30					1.031.0	480.1	0	.6	1.029.3	380.4	0	.7	1.025.7	211.3	0	.4	30
31					1.030.9	474.1	0	.6					1.025.6	207.5	0	.4	31
TOTAL			441.8	14.2			81.6	16.4			60.6	17.4			0	15.5	
Inf. Ac. Ft.			876.3				161.9				120.2				0	1170.5	
Outf. Ac. Ft.			28.2 + (314.8)				32.5 + (199.8)				34.5 + (179.5)			30.7 + (142.2)		125.9 + (837.1)	
Maximum Mean Daily Inflow			289.2				52.1				18.2				0	289.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 533.3				- 70.5				- 93.7				- 172.9		+ 207.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1035.3	feet	on	2/10/63	Storage	783.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd. Date
Min. W. S. Elev.	991.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	RAP TS
Max. Peak Inf.	1292.	C.F.S. from	7:00 P.M.	on	2/9/63	to	7:15 P.M.	on	2/9/63	R.V. WOOD	Hydrographer	Storage applied	RAP TS
Max. Peak Outf.	51.	C.F.S. from	9:45 A.M.	on	6/21/63	to	10:35 A.M.	on	6/21/63		Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS

76D138M-688 Ob 12-57

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 / On Arroyo Seco for the Year Ending September 30, 1963

Drainage Area 31.9 Square Miles. Capacity of Reservoir 2749.6 Ac. Ft. at Spillway Elev. 1054.0 Ft. as of May, 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1.025.4	199.9	0	0.4			0	0			0	0		0	0	0	1
2	1.025.3	196.1	0	0.4			0	0			0	0		0	0	0	2
3	1.025.2	192.2	0	0.4			0	0			0	0		0	0	0	3
4	1.025.1	188.4	0	0.4			0	0			0	0	1.009.9	3.6	1.9	+	4
5	1.025.0	184.6	0	0.4			0	0			0	0	1.009.6	3.4	0		5
6	1.024.9	181.1	0	0.4			0	0			0	0	1.009.4	3.3	0		6
7	1.024.8	177.7	0	0.4			0	0			0	0	1.009.2	3.1	0		7
8	1.024.7	174.2	0	0.4			0	0			0	0	1.009.0	3.0	0		8
9	1.024.6	170.8	0	0.4			0	0			0	0	1.008.8	2.9	0		9
10	1.024.6	170.8	1.9	0.4			0	0			0	0	1.008.6	2.8	0		10
11	1.024.7	174.2	3.6	0.4			0	0			0	0	1.008.5	2.8	0		11
12	1.024.6	170.8	0	0.4			0	0			0	0	1.008.3	2.6	0		12
13	1.024.5	167.3	0	0.4			0	0			0	0	1.008.2	2.6	0		13
14	1.024.4	163.8	0	0.4			0	0			0	0	1.008.0	2.5	0		14
15	1.024.3	160.4	0	0.4			0	0			0	0	1.007.9	2.4	0		15
16	1.024.2	156.9	0	0.4			0	0			0	0	1.007.7	2.4	0	+	16
17	1.024.1	153.5	0	0.4	STORAGE		0	0	STORAGE		0	0	1.014.4	7.7	3.1	0.1	17
18	1.024.0	150.0	0	0.4			0	0			0	0	1.018.1	23.9	9.8	0.2	18
19	1.023.8	143.8	0	0.4	OF		0	0	OF		0	0	1.018.2	24.9	2.2	0.2	19
20	1.023.7	140.7	0	0.4	NO		0	0	NO		0	0	1.017.9	22.1	0	0.2	20
21	1.023.2	125.2	0	6.3			0	0			0	0	1.017.6	20.0	0	0.2	21
22	1.022.7	110.8	0	4.8			0	0			0	0	1.017.4	18.5	0	0.2	22
23	1.022.2	97.1	0	4.8			0	0			0	0	1.017.1	16.4	0	0.2	23
24	1.021.3	75.0	0	7.6			0	0			0	0	1.016.9	15.3	0	0.2	24
25	1.020.7	62.0	0	5.2			0	0			0	0	1.016.7	14.4	0	0.2	25
26	1.019.9	46.8	0	5.0			0	0			0	0	1.016.4	13.1	0	0.2	26
27	1.018.9	32.3	0	6.0			0	0			0	0	1.016.2	12.2	0	0.2	27
28	1.016.7	14.4	0	6.1			0	0			0	0	1.015.9	11.0	0	0.2	28
29	1.008.3	2.6	0	5.2			0	0			0	0	1.015.7	10.5	0	0.2	29
30	997.7	.3	0	1.2			0	0			0	0	1.015.4	9.7	0	0.2	30
31							0	0			0	0					31
TOTAL			5.5	60.2			0	0			0	0			17.0	2.7	
Inf. Ac. Ft.			10.9				0				0				33.7	12[illegible]5.1	
Outf. Ac. Ft.			119.4 + (98.7)				0 + (0.3)				0				5.4 + (18.6)	250.7 + (954.7)	
Maximum Mean Daily Inflow			3.6				0				0				9.8	289.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 207.2				0.3				0				+ 9.7		+ 9.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1035.3	feet	on	2/10/63	Storage	783.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd. Date
Min. W. S. Elev.	991.9	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	D.E. WILSON	Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	1292.	C.F.S. from	7:00 P.M.	on	2/9/63	to	7:15 P.M.	on	2/9/63	R.V. WOOD	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	51.	C.F.S. from	9:45 A.M.	on	6/21/63	to	10:35 A.M.	on	6/21/63		Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS

74D 138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In / On Eaton Wash for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 806.6 Ac. Ft. at Spillway Elev. 887.5 Ft. as of September 1961 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			0	0			0	0	854.2	9.0	1.4	0	854.7	10.3	0	0	1
2			0	0			0	0	851.4	50.7	21.0	0	854.6	10.0	0	0	2
3			0	0			0	0	851.0	46.7	0	0	854.5	9.8	0	0	3
4			0	0			0	0	860.2	40.0	0	0	854.4	9.5	0	0	4
5			0	0			0	0	859.5	34.6	0	0	854.3	9.2	0	0	5
6			0	0			0	0	858.9	30.3	0	0	854.2	9.0	0	0	6
7			0	0			0	0	858.4	27.0	0	0	854.1	8.7	0	0	7
8			0	0			0	0	858.1	25.1	0	0	854.0	8.4	0	0	8
9			0	0			0	0	857.8	23.3	0	0	853.9	8.2	0	0	9
10			0	0			0	0	857.6	22.2	0	0	853.8	8.0	0	0	10
11			0	0			0	0	857.4	21.1	0	0	853.7	7.8	0	0	11
12			0	0			0	0	857.2	20.0	0	0	853.8	8.0	.2	0	12
13			0	0			0	0	857.1	19.4	0	0	853.6	7.6	0	0	13
14			0	0			0	0	857.0	18.9	0	0	853.5	7.4	0	0	14
15			0	0			0	0	856.8	18.0	0	0	853.4	7.2	0	0	15
16			0	0			0	0	856.7	17.6	0	0	853.3	7.0	0	0	16
17			0	0			0	0	856.5	16.7	0	0	853.2	6.8	0	0	17
18			0	0			0	0	856.4	16.3	0	0	853.1	6.6	0	0	18
19			0	0	838.1	0	0	0	856.3	15.8	0	0	853.0	6.4	0	0	19
20			0	0	853.6	8.0	4.0	0	856.1	14.9	0	0	861.7	53.8	24.	0	20
21			0	0	853.1	6.6	0	0	856.0	14.5	0	0	861.3	49.7	0	0	21
22			0	0	852.6	5.9	0	0	855.9	14.2	0	0	862.9	67.3	11.1	0	22
23			0	0	852.4	5.7	0	0	855.8	13.8	0	0	862.4	61.5	0	0	23
24			0	0	852.1	5.2	0	0	855.6	13.1	0	0	861.7	53.8	0	0	24
25			0	0	854.0	8.4	1.5	0	855.5	12.8	0	0	861.2	48.7	0	0	25
26			0	0	853.7	7.8	0	0	855.4	12.5	0	0	860.8	45.0	0	0	26
27			0	0	853.4	7.2	0	0	855.3	12.1	0	0	860.4	41.7	0	0	27
28			0	0	853.2	6.8	0	0	855.2	11.8	0	0	860.0	38.3	0	0	28
29			0	0	853.0	6.4	0	0	855.1	11.4	0	0	859.6	35.4	0	0	29
30			0	0	852.8	6.2	0	0	855.0	11.1	0	0	859.3	33.2	0	0	30
31			0	0					854.8	10.8	0	0	859.0	31.0	0	0	31
TOTAL			0	0			5.5	0			22.4	0			35.3	0	
Inf. Ac. Ft.			0				10.9				44.4				70.0	125.3	
Outf. Ac. Ft.			0 + (0)				0 + (4.8)				0 + (40.3)				0 + (49.6)	0 + (94.7)	
Maximum Mean Daily Inflow			0				4.0				21.0				24.0	24.0	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					+ 6.2				+ 4.4				+ 20.4		+ 31.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	881.8	feet on	2/12/62	Storage	559.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843.2	feet on	VARIOUS DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	GLW	RB	
Max. Peak Inf.	737.	C.F.S. from	12:45 P.M. on	2/11/62	to	1:00 P.M. on	2/11/62	R.V. WOOD	Hydrographer	Storage applied	GLW	RB
Max. Peak Outf.	204.	C.F.S. from	12:00 MID. on	2/11/62	to	12:00 MID. on	2/12/62		Hydrographer	Inf. & Outf. comp.	RAP	RB

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

74D 138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In / On Eaton Wash for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 7104.9 / 806.6 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1962 / September 1961 Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	858.7	29.0	0	0	862.2	43.8	2.1	.1	860.0	28.4	0	+	855.3	8.7	0	0	1
2	858.4	27.0	0	0	862.2	43.6	1.6	.1	859.8	27.3	0		855.1	8.2	0	0	2
3	858.2	25.7	0	0	862.2	43.6	1.1	.1	859.6	26.2	0		855.0	7.9	0	0	3
4	858.0	24.4	0	0	862.1	43.8	.2	.1	859.4	25.2	0		854.9	7.7	0	0	4
5	857.8	23.3	0	0	862.0	41.9	.1	.1	859.2	24.1	0		854.8	7.4	0	0	5
6	857.6	22.2	0	0	863.7	57.8	8.7	.1	859.1	23.5	0		854.7	7.2	0	0	6
7	857.8	23.3	.9	0	864.0	60.9	2.6	.1	858.9	22.5	0		854.6	7.0	0	0	7
8	863.5	74.9	27.5	0	863.8	58.8	0	.1	858.7	21.6	0		854.5	6.8	0	0	8
9	866.4	116.6	28.0	3.9	863.7	57.8	0	.1	858.5	20.6	0		854.4	6.6	0	0	9
10	869.1	163.0	47.9	21.0	863.6	56.7	0	.1	858.4	20.1	0	+	854.3	6.4	0	0	10
11	881.2	480.6 1/	322.4	130.0	863.4	54.7	0	+	858.2	19.2	0	0	854.2	6.1	0	0	11
12	879.9	432.2	184.3	204.0	863.2	52.6	0		858.0	18.2	0	0	854.1	5.9	0	0	12
13	876.4	314.3	47.6	103.0	863.0	50.5	0		857.9	17.8	0	0	854.0	5.7	0	0	13
14	874.5	257.8	3.3	28.0	862.8	48.8	0		857.7	17.0	0	0	854.6	7.0	.8	0	14
15	874.3	252.1	16.8	16.0	862.6	47.1	0		857.5	16.2	0	0	854.6	7.0	.1	0	15
16	873.3	225.4	6.2	16.0	862.5	46.2	0		857.3	15.3	0	0	854.9	7.7	.4	0	16
17	871.5	182.2	4.3	16.0	862.3	44.5	0		857.2	14.9	0	0	854.8	7.4	0	0	17
18	869.3	138.6	3.1	16.0	862.4	45.3	.9		857.0	14.1	0	0	854.6	7.0	0	0	18
19	871.8	188.9	36.7	6.4	862.3	44.5	0		856.8	13.4	0	0	854.5	6.8	0	0	19
20	872.0	193.3	16.6	8.3	862.2	43.6	0		856.7	13.1	0	0	854.4	6.6	0	0	20
21	871.7	186.6	9.6	7.2	862.0	41.9	0		856.6	12.7	0	0	844.0	+	0	3.3	21
22	870.8	167.1	4.9	9.1	862.0	41.9	0		856.4	12.1	0	0			0	0	22
23	869.6	144.0	3.7	10.0	861.8	40.5	0		856.2	11.4	0	0			0	0	23
24	869.7	145.8	6.2	+	861.6	39.0	0		856.1	11.0	0	0			0	0	24
25	870.0	151.2	8.1	+	861.4	37.6	0		856.0	10.7	0	0			0	0	25
26	867.8	113.4	1.6	15.6	861.2	36.1	0		855.9	10.4	0	0			0	0	26
27	864.7	69.4	3.8	23.0	861.0	34.7	0		855.8	10.1	0	0			0	0	27
28	862.2	43.6	6.3	17.3	860.8	33.4	0		855.6	9.6	0	0			0	0	28
29					860.6	32.2	0		855.5	9.3	0	0			0	0	29
30					860.4	30.9	0		855.4	9.0	0	0			0	0	30
31					860.2	29.7	0	+							0	0	31
TOTAL			789.8	650.8			17.3	1.0			0				1.3	3.3	
Inf. Ac. Ft.			1566.5				34.3				0				2.6	1728.7	
Outf. Ac. Ft.			1290.8 + (208.9)				2.0 + (46.2)				+ + (20.6)				6.5 + (5.0)	1299.3 + (375.4)	
Maximum Mean Daily Inflow			322.4				8.7				0				0.8	322.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	+ 12.6					- 13.9				- 20.7				- 9.0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	881.8	feet on	2/12/62	Storage	559.0	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	843.2	feet on	VARIOUS DAYS	Storage	0	Acre Feet	H.E. WILSON	Dam Tender	Gage Hts. copied	RAP	RB	
Max. Peak Inf.	737.	C.F.S. from	12:45 P.M. on	2/11/62	to	1:00 P.M. on	2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP	RB
Max. Peak Outf.	204.	C.F.S. from	12:00 MID. on	2/11/62	to	12:00 MID. on	2/12/62		Hydrographer	Inf. & Outf. comp.	RAP	RB

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

1/ CHANGE TO STORAGE TABLE XIX. 54.2 A.F. LOSS DUE TO SILTATION.

74D138M-68B Cth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In / On Eaton Wash for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 7144.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1962 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		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	1728.7	
Outf. Ac. Ft.			0				0				0				0	1299.3 +(375.4	
Maximum Mean Daily Inflow			0				0				0				0	322.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	881.8	feet on	2/12/62	Storage	559.0	Acre Feet		
Min. W. S. Elev.	843.2	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	737.	C. F. S. from	12:45 P.M.	on	2/11/62	to	1:00 P.M.	on 2/11/62
Max. Peak Outf.	204.	C. F. S. from	12:00 MID.	on	2/11/62	to	12:00 MID.	on 2/12/62

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
H.E. WILSON	Dam Tender	Gage Hts. copied	RAP	RB
R.V. WOOD	Hydrographer	Storage applied	RAP	RB
	Hydrographer	Inf. & Outf. comp.	RAP	RB

74D138M-68B Cth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In / On Eaton Wash for the Year Ending September 30, 1963

Continuous Water Stage Recorder Au

Drainage Area 9.48 Square Miles. Capacity of Reservoir 7144.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1962 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1		0	0	0			0	0			0	0		0	0	0	1
2		0	0	0			0	0			0	0		0	0	0	2
3		0	0	0			0	0			0	0		0	0	0	3
4	844.5	.1	.1	0			0	0			0	0		0	0	0	4
5	844.4	.1	0	0			0	0			0	0		0	0	0	5
6	844.2	.1	0	0			0	0			0	0		0	0	0	6
7	844.0	+	0	0			0	0			0	0		0	0	0	7
8	843.9		0	0			0	0			0	0		0	0	0	8
9	843.8		0	0			0	0			0	0	845.1	.2	.1	0	9
10	843.7		0	0			0	0			0	0	845.0	.2	0	0	10
11	843.6		0	0			0	0			0	0	845.0	.2	0	0	11
12	843.5		0	0			0	0			0	0	844.9	.2	0	0	12
13	843.4		0	0			0	0			0	0	844.8	.2	0	0	13
14	843.3	+	0	0			0	0			0	0	844.8	.2	0	0	14
15	843.2	0	0	0			0	0			0	0	844.7	.1	0	0	15
16		0	0	0			0	0			0	0	844.7	.1	0	0	16
17		0	0	0			0	0			0	0	844.6	.1	0	0	17
18		0	0	0			0	0			0	0	844.6	.1	0	0	18
19		0	0	0			0	0			0	0	844.5	.1	0	0	19
20		0	0	0			0	0			0	0	844.5	.1	0	0	20
21		0	0	0			0	0			0	0	844.5	.1	0	0	21
22		0	0	0			0	0			0	0	844.4	.1	0	0	22
23		0	0	0			0	0			0	0	844.4	.1	0	0	23
24		0	0	0			0	0			0	0	844.4	.1	0	0	24
25		0	0	0			0	0			0	0	844.3	.1	0	0	25
26		0	0	0			0	0			0	0	844.3	.1	0	0	26
27		0	0	0			0	0			0	0	844.3	.1	0	0	27
28		0	0	0			0	0			0	0	844.2	.1	0	0	28
29		0	0	0			0	0			0	0	844.2	.1	0	0	29
30		0	0	0			0	0			0	0	844.2	.1	0	0	30
31		0	0	0							0	0	848.7	1.3	.6	0	31
TOTAL			.1	0			0	0			0	0			.7	0	
Inf. Ac. Ft.			0.2				0				0				1.4	1.6	
Outf. Ac. Ft.			0 + (0.2)				0				0				0 + (0.1)	0 + (0.3)	
Maximum Mean Daily Inflow			0.1				0				0				0.6	0.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				+ 1.3		+ 1.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	868.8	feet on	2/10/63	Storage	129.9	Acre Feet		
Min. W. S. Elev.	843.2	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	198.	C. F. S. from	8:00 P.M.	on	2/9/63	to	8:15 P.M.	on 2/9/63
Max. Peak Outf.	32.	C. F. S. from	8:35 A.M.	on	5/10/63	to	1:00 P.M.	on 5/10/63

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
J.C. BARR	Dam Tender	Gage Hts. copied	RAP AJF	TS
R.V. WOOD	Hydrographer	Storage applied	RAP AJF	TS
	Hydrographer	Inf. & Outf. comp.	RAP AJF	TS

74D138M-68B Qh 12-57

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 1963

Drainage Area 9.48 Square Miles. Capacity of Reservoir 7141.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	848.4	1.2	0	0	862.0	41.9	0	0	859.9	27.9	0	0	858.7	21.6	0	0	1
2	848.0	1.0	0	0	861.8	40.5	0	0	859.8	27.3	0	0	858.6	21.1	0	0	2
3	847.8	1.0	0	0	861.6	39.0	0	0	859.6	26.2	0	0	858.5	20.6	0	0	3
4	847.6	.9	0	0	861.4	37.6	0	0	859.5	25.7	0	0	858.4	20.1	0	0	4
5	847.4	.8	0	0	861.2	36.1	0	0	859.4	25.2	0	0	858.3	19.6	0	0	5
6	847.2	.7	0	0	861.0	34.7	0	0	859.3	24.6	0	0	858.2	19.2	0	0	6
7	847.1	.7	0	0	860.8	33.4	0	0	859.1	23.5	0	0	858.0	18.2	0	0	7
8	847.1	.7	0	0	860.6	32.2	0	0	859.0	23.0	0	0	857.9	17.8	0	0	8
9	867.0	101.0	50.6	0	860.4	30.9	0	0	858.9	22.5	0	0	857.8	17.4	0	0	9
10	868.4	123.2	11.2	0	860.2	29.7	0	0	858.8	22.0	0	0	843.9	+	+	8.6	10
11	867.5	108.8	0	0	860.0	28.4	0	0	858.7	21.6	0	0	844.4	.1	+	0	11
12	866.6	98.1	0	0	859.9	27.9	0	0	858.6	21.1	0	0	844.8	.2	.1	0	12
13	865.2	89.4	0	0	859.7	26.8	0	0	858.6	21.1	.3	0	845.2	.2	0	0	13
14	866.2	89.4	3.4	0	859.6	26.2	0	0	858.9	22.5	1.0	0	845.3	.2	0	0	14
15	865.6	83.6	0	0	859.5	25.7	0	0	858.8	22.0	0	0	845.5	.3	.1	0	15
16	865.4	78.5	0	0	862.5	46.2	10.7	0	858.7	21.6	0	0	845.5	.3	0	0	16
17	865.1	74.4	0	0	862.3	44.5	0	0	858.6	21.1	0	0	845.5	.3	0	0	17
18	864.7	69.4	0	0	862.0	41.9	0	0	858.5	20.6	0	0	845.6	.3	0	0	18
19	864.4	65.6	0	0	861.8	40.5	0	0	858.4	20.1	0	0	845.6	.3	0	0	19
20	864.2	63.3	0	0	861.6	39.0	0	0	858.6	22.0	1.3	0	845.7	.3	0	0	20
21	863.9	59.9	0	0	861.4	37.6	0	0	858.8	22.0	.3	0	845.7	.3	0	0	21
22	863.6	56.7	0	0	861.2	36.1	0	0	858.6	21.1	0	0	845.7	.3	0	0	22
23	863.3	53.6	0	0	861.1	35.4	0	0	858.5	20.6	0	0	845.7	.3	0	0	23
24	863.1	51.5	0	0	860.9	34.1	0	0	858.4	20.1	0	0	845.7	.3	0	0	24
25	862.9	49.6	0	0	860.7	32.8	0	0	859.2	24.1	2.2	0	845.7	.3	0	0	25
26	862.7	47.9	0	0	860.5	31.6	0	0	859.6	26.2	1.4	0	845.7	.3	0	0	26
27	862.5	46.2	0	0	860.3	30.3	0	0	859.4	25.2	0	0	845.7	.3	0	0	27
28	862.3	44.5	0	0	860.5	31.6	1.3	0	859.2	24.1	0	0	845.6	.3	0	0	28
29					860.4	30.9	0	0	859.0	23.0	0	0	845.6	.3	0	0	29
30					860.2	29.7	0	0	858.8	22.0	0	0	845.6	.3	0	0	30
31					860.0	28.4	0	0					845.6	.3	0	0	31
TOTAL			65.2	0			12.0	0			6.5	0			.2	8.6	
Inf. Ac. Ft.			129.3				23.8				12.9				0.4	168.0	
Outf. Ac. Ft.			0 + (86.1)				0 + (39.9)				0 + (19.2)				17.1 + (5.0)	17.1 + (150.5)	
Residence Mean Daily Inflow			50.6				10.7				2.2				0.1	50.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 43.2				- 16.1				- 6.4				- 21.7		+ 0.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	868.8	feet	on	2/10/63	Storage	129.9	Acre Feet		
Min. W. S. Elev.	843.2	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	198.	C.F.S. from	8:00 P.M.	on	2/9/63	to	8:15 P.M.	on	2/9/63
Max. Peak Outf.	32.	C.F.S. from	8:35 A.M.	on	5/10/63	to	1:00 P.M.	on	5/10/63

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

RECORDS COLLECTED BY

J. C. BARR	Dam Tender
R.V. WOOD	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	RAP AJF TS
Storage applied	RAP AJF TS
Inf. & Outf. comp.	RAP AJF TS

74D138M-68B Qh 12-57

Daily Gage Height in feet and Operation Record of EATON WASH Dam

In/On Eaton Wash for the Year Ending September 30, 1962

Drainage Area 9.48 Square Miles. Capacity of Reservoir 7141.9 Ac. Ft. at Spillway Elev. 887.5 Ft. as of May 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	845.6	.3	0	0			0	0			0	0		0	0	0	1
2	845.6	.3	0	0			0	0			0	0		0	0	0	2
3	845.6	.3	0	0			0	0			0	0		0	0	0	3
4	845.6	.3	0	0			0	0			0	0	849.4	1.6	.8	0	4
5	845.6	.3	0	0			0	0			0	0	849.1	1.5	0	0	5
6	845.6	.3	0	0			0	0			0	0	848.9	1.4	0	0	6
7	845.6	.3	0	0			0	0			0	0	848.7	1.3	0	0	7
8	845.6	.3	0	0			0	0			0	0	848.5	1.2	0	0	8
9	845.6	.3	.1	0			0	0			0	0	848.4	1.2	0	0	9
10	846.0	1.0	.5	0			0	0			0	0	848.2	1.1	0	0	10
11	846.7	1.8	.5	0			0	0			0	0	848.0	1.0	0	0	11
12	849.6	1.7	0	0			0	0			0	0	848.0	1.0	0	0	12
13	849.4	1.6	0	0			0	0			0	0	847.9	1.0	0	0	13
14	843.2	0	0	.8			0	0			0	0	847.7	.9	0	0	14
15			0	0			0	0			0	0	847.6	.8	0	0	15
16			0	0			0	0			0	0	847.5	.8	0	0	16
17			0	0			0	0			0	0	851.8	3.0	1.1	0	17
18			0	0			0	0			0	0	854.0	5.7	1.5	0	18
19			0	0			0	0			0	0	853.8	5.4	0	0	19
20			0	0			0	0			0	0	853.4	4.8	0	0	20
21			0	0			0	0			0	0	853.0	4.1	0	0	21
22			0	0			0	0			0	0	852.4	3.5	0	0	22
23			0	0			0	0			0	0	851.9	3.1	0	0	23
24			0	0			0	0			0	0	851.3	2.7	0	0	24
25			0	0			0	0			0	0	850.8	2.4	0	0	25
26			0	0			0	0			0	0	850.3	2.1	0	0	26
27			0	0			0	0			0	0	849.9	1.9	0	0	27
28			0	0			0	0			0	0	849.6	1.7	0	0	28
29			0	0			0	0			0	0	849.5	1.7	0	0	29
30			0	0			0	0			0	0	849.3	1.6	0	0	30
31							0	0			0	0					31
TOTAL			1.1	.8			0	0			0	0			3.4	0	
Inf. Ac. Ft.			2.2				0				0				6.7	176.9	
Outf. Ac. Ft.			1.6 + (0.9)				0				0				0 + (5.2)	18.7 + (156.6)	
Residence Mean Daily Inflow			0.5				0				0				1.5	50.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 0.3				0				0				+ 1.6		+ 1.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	868.8	feet	on	2/10/63	Storage	129.9	Acre Feet		
Min. W. S. Elev.	843.2	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	198.	C.F.S. from	8:00 P.M.	on	2/9/63	to	8:15 P.M.	on	2/9/63
Max. Peak Outf.	32.	C.F.S. from	8:35 A.M.	on	5/10/63	to	1:00 P.M.	on	5/10/63

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

RECORDS COLLECTED BY

J.C. BARR	Dam Tender
R.V. WOOD	Hydrographer
	Hydrographer

COMPUTATIONS ckd. Date

Gage Hts. copied	RAP AJF TS
Storage applied	RAP AJF TS
Inf. & Outf. comp.	RAP AJF TS

76D 138M-68B Olb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 19 62

Drainage Area 10.8 Square Miles. Capacity of Reservoir 596.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of September 1958

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1259.0	134.5	.1	0	1261.5	144.4	.2	0	1244.6	63.8	1.9	0	1262.2	147.2	.7	.1	1
2	1259.1	134.9	.1	0	1261.6	144.8	.2	0	1260.6	140.8	28.8	0	1262.5	148.4	.7	.1	2
3	1259.2	135.3	.1	0	1261.7	145.2	.2	0	1264.4	156.3	7.8	0	1262.7	149.3	.7	.1	3
4	1259.3	135.7	.1	0	1261.8	145.6	.2	0	1266.1	163.4	3.5	0	1263.0	150.5	.7	.1	4
5	1259.3	135.7	.1	0	1261.9	146.0	.2	0	1253.3	113.3	4.0	29.2	1263.3	151.7	.7	.1	5
6	1259.4	136.1	.1	0	1262.0	146.4	.2	0	1244.5	83.5	3.0	18.0	1263.6	153.0	.7	.1	6
7	1259.5	136.4	.1	0	1262.0	146.4	.2	0	1246.3	89.3	2.9	0	1263.8	153.8	.7	.1	7
8	1259.5	136.4	.1	0	1262.1	146.8	.2	0	1247.8	94.2	2.5	0	1264.1	155.0	.7	.1	8
9	1259.6	136.8	.1	0	1262.2	147.2	.2	0	1249.2	99.0	2.4	0	1264.3	155.9	.7	.1	9
10	1259.7	137.2	.1	0	1262.3	147.6	.2	0	1250.4	103.1	2.0	0	1264.6	157.1	.7	.1	10
11	1259.8	137.6	.1	0	1262.4	148.0	.2	0	1251.4	106.6	1.8	0	1264.8	158.0	.7	.1	11
12	1259.8	137.6	.1	0	1262.6	148.9	.2	0	1252.3	109.8	1.6	0	1265.2	159.6	.7	.1	12
13	1259.9	138.0	.2	0	1262.7	149.3	.2	0	1253.2	112.9	1.6	0	1265.6	161.3	.7	.1	13
14	1260.0	138.4	.2	0	1262.8	149.7	.2	0	1254.1	116.2	1.7	0	1265.8	162.2	.7	.1	14
15	1260.1	138.8	.2	0	1262.9	150.1	.2	0	1255.0	119.5	1.6	0	1266.1	163.4	.7	.1	15
16	1260.2	139.2	.2	0	1263.0	150.5	.2	0	1255.7	122.1	1.4	.1	1266.4	164.8	.7	.1	16
17	1260.3	139.6	.2	0	1263.1	150.9	.3	0	1256.3	124.3	1.2	.1	1266.7	166.1	.7	.1	17
18	1260.4	140.0	.2	0	1263.2	151.3	.3	0	1256.8	126.2	1.1	.1	1267.0	167.4	.7	.1	18
19	1260.4	140.0	.2	0	1263.4	152.1	.3	0	1257.3	128.0	1.0	.1	1267.2	168.3	.7	.1	19
20	1260.5	140.4	.2	0	1263.9	154.2	1.0	0	1257.8	129.9	1.1	.1	1273.9	199.8	16.0	.1	20
21	1260.6	140.8	.2	0	1264.2	155.4	.5	0	1258.3	131.8	1.0	.1	1275.7	209.2	4.9	.1	21
22	1260.7	141.2	.2	0	1264.4	156.3	.5	0	1258.7	133.4	.9	.1	1270.7	184.1	7.0	19.7	22
23	1260.8	141.6	.2	0	1264.6	157.1	.5	0	1259.1	134.9	.9	.1	1261.2	143.2	8.0	28.6	23
24	1260.8	141.6	.2	0	1264.8	158.0	.5	0	1259.5	136.4	.8	.1	1253.4	113.6	6.0	20.9	24
25	1260.9	142.0	.2	0	1265.4	160.5	1.2	0	1259.9	138.0	.9	.1	1251.7	107.6	4.7	7.8	25
26	1261.0	142.4	.2	0	1265.9	162.6	1.1	0	1260.2	139.2	.8	.1	1254.3	116.9	4.8	.1	26
27	1261.1	142.8	.2	0	1266.3	164.3	.8	0	1260.6	140.8	.8	.1	1256.7	125.8	4.6	.1	27
28	1261.2	143.2	.2	0	1260.4	140.0	.2	12.2	1260.9	142.0	.8	.1	1258.7	133.4	3.9	.1	28
29	1261.2	143.2	.2	0	1250.7	104.2	.2	18.5	1261.2	143.2	.7	.1	1260.4	140.0	3.5	.1	29
30	1261.3	143.6	.2	0	1243.4	80.0	.1	12.3	1261.5	144.4	.7	.1	1261.9	146.0	3.1	.1	30
31	1261.4	144.0	.2	0					1261.8	145.6	.7	.1	1263.2	151.3	2.8	.1	31
TOTAL			5.0	0			10.7	43.0			81.9	48.8			82.6	79.7	
Inf. Ac. Ft.			9.9				21.2				162.4				163.8	357.3	
Outf. Ac. Ft.			0				85.3				96.8				158.1	340.2	
Maximum Mean Daily Inflow			0.2				1.2				28.8				16.0	28.8	
Minimum Mean Daily Inflow			0.1				0.1				0.7				0.7	0.1	
Storage Change		+ 9.9				- 64.0				+ 65.6				+ 5.7		+ 17.2	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1319.8	feet	on	2/11/62	Storage	638.6	Acre Feet				
Min. W. S. Elev.	1182.3	feet	on	3/7-3/27/62	Storage	0	Acre Feet				
Max. Peak Inf.	1464.	C.F.S. from	5:45 P.M.	on	2/11/62	to	6:00 P.M.	on	2/11/62		
Max. Peak Outf.	1350.	C.F.S. from	6:00 P.M.	on	2/11/62	to	7:00 P.M.	on	2/11/62		
REMARKS	(INDICATES AVERAGE FOR PERIOD.										

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R.E. SANDERS	Dam Tender	Gage Hts. copied	TS	GLW
R.V. WOOD	Hydrographer	Storage applied	TS	GLW
	Hydrographer	Inf. & Outf. comp.	TS	GLW

76D 138M-68B Olb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 19 62

~~Drainage Area~~ 10.8 Square Miles. ~~Capacity of Reservoir~~ 629.5 / 596.6 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962 / September 1958

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1264.3	155.9	2.4	.1	1246.7	90.6	20.8	33.2	1237.5	85.3	9.3	.1	1283.7	325.0	5.6	8.9	1
2	1265.3	160.1	2.2	.1		0	20.2	65.9	1242.5	103.2	9.3	.1	1283.0	319.9	5.6	8.8	2
3	1266.1	163.4	1.8	.1		0	19.7	19.7	1247.3	121.7	9.3	.2	1281.6	309.9	5.6	9.9	3
4	1266.9	167.0	1.9	.1		0	19.0	19.0	1251.6	139.7	9.2	.2	1281.2	307.0	5.5	6.4	4
5	1267.6	170.0	1.6	.1	1217.1	19.2	18.2	8.5	1255.5	157.2	9.2	.2	1282.7	317.7	5.8	.4	5
6	1268.2	172.7	1.5	.1	1239.1	67.2	24.2	0	1258.9	173.4	8.3	.2	1284.1	327.9	5.5	.4	6
7	1263.0	150.5	3.4	14.6		0	21.1	55.0	1262.0	189.2	8.3	.2	1284.4	330.2	5.1	3.9	7
8	1264.3	155.9	36.2	33.5			19.3	19.3	1265.0	205.2	8.2	.2	1283.5	323.6	5.6	8.9	8
9	1275.0	205.6	69.9	44.9			18.2	18.2	1267.9	221.5	8.2	.2	1282.6	317.0	5.4	8.6	9
10	1282.4	247.7	47.7	26.4			17.0	17.0	1270.5	236.8	8.2	.3	1281.7	310.6	5.6	8.8	10
11	1317.9	612.2	682.3	498.5			15.8	15.8	1272.8	251.0	7.2	.3	1280.8	304.2	5.6	8.8	11
12	1317.0	600.0	259.2	265.4			14.8	14.8	1275.1	265.7	7.2	.3	1279.9	297.9	5.5	8.7	12
13	1316.6	594.6	94.8	97.5			14.5	14.5	1277.1	278.9	7.2	.3	1279.1	292.4	5.9	8.7	13
14	1316.5	593.3	62.5	53.2			14.2	14.2	1279.1	292.4	7.1	.3	1278.7	289.7	6.2	7.5	14
15	1316.7	596.0	76.0	74.6		N/S	13.8	13.8	1280.9	304.9	7.1	.3	1280.6	302.8	7.0	.4	15
16	1316.6	594.6	69.5	70.2		C	13.6	13.6	1282.7	317.7	6.6	.4	1281.0	305.6	6.6	5.2	16
17	1316.5	593.3	57.0	57.7		O	13.6	13.6	1284.4	330.2	6.6	.4	1280.2	300.0	5.5	8.3	17
18	1316.5	593.3	45.7	45.7		S	14.1	14.1	1286.1	342.9	6.6	.4	1279.9	297.9	4.0	4.9	18
19	1316.6	594.6	65.6	64.9			14.3	14.3	1287.7	355.1	6.5	.4	1278.0	284.9	3.9	10.6	19
20	1313.0	547.4	39.7	63.5			14.5	14.5	1289.3	367.6	6.5	.4	1276.0	271.6	3.9	10.6	20
21	1305.3	453.7	35.1	82.3			14.2	14.2	1290.8	379.6	6.5	.4	1274.0	258.6	3.9	10.5	21
22	1301.6	413.0	39.1	59.7			13.7	13.7	1292.1	390.2	6.5	.4	1272.0	246.0	3.9	10.4	22
23	1296.8	364.1	34.1	58.7			13.4	13.4	1290.1	373.9	6.4	14.6	1269.8	232.6	3.9	10.3	23
24	1291.8	317.4	34.1	57.7			12.9	12.9	1288.0	357.4	6.3	14.6	1267.7	220.4	3.9	10.2	24
25	1289.8	300.1	30.7	39.4			12.5	12.5	1287.4	352.8	6.7	9.0	1265.5	208.0	3.9	10.1	25
26	1278.9	226.9	24.8	61.7			12.0	12.0	1286.8	348.2	6.7	9.0	1263.3	196.1	3.9	10.0	26
27	1252.1	109.0	28.1	87.5	1182.3	0	11.5	11.5	1286.2	343.6	6.7	9.0	1261.0	184.0	3.9	9.9	27
28	1253.8	115.1	29.8	26.8	1193.2	2.4	11.0	9.8	1285.6	339.1	6.7	9.0	1258.7	172.4	3.9	9.8	28
29					1214.8	25.2	11.5	+	1285.1	335.4	6.7	8.9	1256.3	160.9	3.8	9.7	29
30					1224.7	47.0	11.0	+	1284.4	330.2	6.6	8.9	1253.8	149.4	3.8	9.6	30
31					1231.9	67.0	10.1	+					1251.2	138.0	3.8	9.5	31
TOTAL			1866.7	1885.0			474.7	499.0			221.9	89.2			152.0	248.9	
Inf. Ac. Ft.			3702.5				941.6				440.1				301.5	5743.0	
Outf. Ac. Ft.			3738.8				989.8				176.9				493.7	5739.4	
Maximum Mean Daily Inflow			682.3				24.2				9.3				7.0	682.3	
Minimum Mean Daily Inflow			1.5				10.1				6.3				3.8	0.1	
Storage Change		+ 36.2				- 48.1				+ 263.2				- 192.2		+ 3.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1319.8	feet	on	2/11/62	Storage	638.6	Acre Feet				
Min. W. S. Elev.	1182.3	feet	on	3/7-3/27/62	Storage	0	Acre Feet				
Max. Peak Inf.	1464.	C.F.S. from	5:45 P.M.	on	2/11/62	to	6:00 P.M.	on	2/11/62		
Max. Peak Outf.	1350.	C.F.S. from	6:00 P.M.	on	2/11/62	to	7:00 P.M.	on	2/11/62		
REMARKS	(INDICATES AVERAGE FOR PERIOD.										
	1/ CHANGED TO STORAGE TABLE XV AFTER SLUICING.										

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R.E. SANDERS	Dam Tender	Gage Hts. copied	GLW	AJF
R.V. WOOD	Hydrographer	Storage applied	GLW	AJF
	Hydrographer	Inf. & Outf. comp.	TS	AJF

74D138N-488 Oh 12-57

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1962

On

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1.248.5	126.6	3.8	9.4	1.279.1	292.4	2.6	.1	1.277.4	280.9	2.7	8.7	1.252.9	145.4	1.5	.1	1
2	1.245.6	114.9	3.7	9.2	1.279.8	297.2	2.6	.1	1.275.6	269.0	2.7	8.6	1.253.6	148.5	1.5	.1	2
3	1.242.8	104.3	3.7	9.1	1.280.6	302.8	2.6	.1	1.273.6	257.3	2.6	8.6	1.254.1	150.8	1.5	.1	3
4	1.243.4	106.5	3.7	3.1	1.281.3	307.7	2.5	.1	1.271.9	245.4	2.6	8.5	1.254.7	153.5	1.5	.1	4
5	1.245.8	115.7	4.4	.1	1.281.9	312.0	2.5	.1	1.270.1	234.4	2.6	8.4	1.255.3	156.3	1.5	.1	5
6	1.248.0	124.6	4.4	.1	1.282.6	317.0	2.5	.1	1.268.2	223.3	2.4	8.3	1.255.9	159.0	1.5	.1	6
7	1.250.2	133.7	4.4	.1	1.283.3	322.1	2.5	.1	1.266.2	211.9	2.4	8.2	1.256.4	161.4	1.5	.1	7
8	1.252.0	141.4	4.4	.1	1.283.9	326.5	2.5	.1	1.264.1	200.3	2.4	8.1	1.257.0	164.2	1.5	.1	8
9	1.253.8	149.4	4.4	.1	1.284.5	330.9	2.5	.1	1.261.9	188.7	2.4	8.0	1.257.6	167.1	1.5	.1	9
10	1.255.6	157.7	4.4	.1	1.285.1	335.4	2.5	.1	1.259.8	177.9	2.4	7.9	1.258.1	169.5	1.4	.1	10
11	1.257.2	165.2	4.1	.1	1.285.8	340.6	2.5	.1	1.257.5	166.6	2.0	7.8	1.258.7	172.4	1.4	.1	11
12	1.258.7	172.4	4.0	.1	1.286.4	345.1	2.5	.1	1.255.1	155.4	2.0	7.6	1.259.2	174.9	1.4	.1	12
13	1.260.3	180.4	4.0	.1	1.287.1	350.5	2.5	.1	1.252.6	144.0	2.0	7.5	1.259.8	177.9	1.4	.1	13
14	1.261.9	188.7	4.0	.1	1.287.8	355.9	2.5	.1	1.250.2	133.7	2.0	7.4	1.260.3	180.4	1.4	.1	14
15	1.263.4	196.6	4.0	.1	1.288.4	360.5	2.5	.1	1.247.6	123.0	2.0	7.3	1.260.8	183.0	1.4	.1	15
16	1.264.8	204.1	3.7	.1	1.289.0	365.2	2.5	.1	1.245.0	112.6	2.0	7.1	1.261.4	186.1	1.4	.1	16
17	1.266.2	211.9	3.6	.1	1.289.6	369.9	2.5	.1	1.242.4	102.8	2.0	6.9	1.261.9	188.7	1.4	.1	17
18	1.267.4	218.7	3.6	.1	1.290.1	375.5	2.5	.1	1.242.2	102.0	1.9	2.5	1.262.3	190.8	1.4	.1	18
19	1.268.5	225.0	3.6	.1	1.290.8	379.6	2.5	.1	1.243.1	105.4	1.7	.1	1.262.8	193.4	1.4	.1	19
20	1.269.6	231.4	3.6	.1	1.291.4	384.5	2.5	.1	1.244.1	109.2	1.7	.1	1.263.3	196.1	1.4	.1	20
21	1.270.6	237.4	3.0	.1	1.291.9	388.6	2.5	.1	1.244.9	112.2	1.7	.1	1.263.7	198.2	1.3	.1	21
22	1.271.6	243.5	3.0	.1	1.292.4	392.7	2.4	.1	1.245.8	115.7	1.7	.1	1.264.1	200.3	1.3	.1	22
23	1.272.5	249.1	3.0	.1	1.290.8	379.6	2.9	8.9	1.246.6	118.9	1.7	.1	1.264.5	202.5	1.3	.1	23
24	1.273.4	254.6	3.0	.1	1.289.7	370.7	2.9	8.8	1.247.4	122.1	1.7	.1	1.265.0	205.2	1.3	.1	24
25	1.274.2	259.9	2.9	.1	1.288.9	364.4	2.9	5.2	1.248.2	125.4	1.7	.1	1.265.4	207.4	1.3	.1	25
26	1.275.1	265.7	2.9	.1	1.287.5	353.6	2.9	9.1	1.248.9	128.3	1.7	.1	1.265.8	209.7	1.3	.1	26
27	1.275.9	270.9	2.9	.1	1.286.0	342.1	2.9	9.0	1.249.6	131.2	1.7	.1	1.266.3	212.5	1.3	.1	27
28	1.276.7	276.2	2.9	.1	1.284.3	329.4	2.9	8.9	1.250.3	134.1	1.6	.1	1.266.7	214.7	1.3	.1	28
29	1.277.6	282.2	2.9	.1	1.282.6	317.0	2.9	8.8	1.251.0	137.1	1.6	.1	1.267.2	217.5	1.3	.1	29
30	1.278.4	287.6	2.8	.1	1.280.9	304.9	2.8	8.7	1.251.7	140.1	1.6	.1	1.267.6	219.8	1.3	.1	30
31					1.279.2	293.1	2.8	8.7	1.252.3	142.7	1.6	.1					31
TOTAL			108.8	33.4			81.1	78.3			62.8	138.7			41.9	3.0	
Inf. Ac. Ft.			215.8				160.9				124.8				83.1	6327.5	
Outf. Ac. Ft.			66.2				155.3				275.1				6.0	6242.0	
Maximum Mean Daily Inflow			4.4				2.9				2.7				1.5	682.3	
Minimum Mean Daily Inflow			2.8				2.4				1.6				1.3	0.1	
Storage Change		+ 149.6				+ 5.5				- 150.4				+ 77.1		+ 85.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1319.8	feet	on	2/11/62	Storage	638.6	Acre Feet		
Min. W. S. Elev.	1182.3	feet	on	3/7 - 3/27/62	Storage	0	Acre Feet		
Max. Peak Inf.	1464.	C.F.S. from	5:45 P.M.	on	2/11/62	to	6:00 P.M.	on	2/11/62
Max. Peak Outf.	1350.	C.F.S. from	6:00 P.M.	on	2/11/62	to	7:00 P.M.	on	2/11/62

REMARKS (INDICATES AVERAGE FOR PERIOD.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R.E. SANDERS	Dam Tender	Gage Hts. copied	RAP	AJF
R.V. WOOD	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

74D138N-488 Oh 12-57

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1963

On

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1.268.0	222.1	1.3	.1	1.280.2	300.0	1.6	.2	1.259.3	175.4	1.6	.1	1.247.4	122.1	1.3	.1	1
2	1.268.5	225.0	1.5	.1	1.280.4	301.4	.9	.2	1.259.8	177.9	1.4	.1	1.248.0	124.6	1.4	.1	2
3	1.268.9	227.3	1.3	.1	1.280.7	303.5	1.3	.2	1.260.2	179.9	1.1	.1	1.248.7	127.5	1.5	.1	3
4	1.269.4	230.3	1.6	.1	1.281.0	305.6	1.2	.2	1.260.7	182.5	1.4	.1	1.249.3	129.9	1.3	.1	4
5	1.270.0	233.6	1.9	.1	1.281.3	307.7	1.3	.2	1.261.3	185.6	1.7	.1	1.249.8	132.0	1.2	.1	5
6	1.270.4	236.2	1.4	.2	1.281.6	309.6	1.3	.2	1.261.7	187.6	1.1	.1	1.250.4	134.5	1.4	.1	6
7	1.270.9	239.2	1.7	.2	1.282.0	312.7	1.6	.2	1.262.1	189.7	1.1	.1	1.251.0	137.1	1.4	.1	7
8	1.271.3	241.7	1.4	.2	1.282.3	314.9	1.3	.2	1.262.6	192.4	1.5	.1	1.251.5	139.2	1.1	.1	8
9	1.271.7	244.1	1.5	.2	1.282.6	317.0	1.3	.2	1.263.1	195.0	1.4	.1	1.252.1	141.6	1.4	.1	9
10	1.272.0	246.0	1.1	.2	1.282.9	319.2	1.3	.2	1.263.5	197.2	1.2	.1	1.252.6	144.9	1.7	.1	10
11	1.272.4	248.5	1.5	.2	1.283.2	321.4	1.3	.2	1.263.9	199.3	1.2	.1	1.253.3	147.2	1.3	.1	11
12	1.272.8	251.0	1.4	.2	1.283.5	323.6	1.3	.2	1.264.4	202.0	1.4	.1	1.254.0	150.3	1.6	.1	12
13	1.273.2	253.5	1.5	.2	1.278.6	289.0	4.0	21.4	1.264.9	204.7	1.5	.1	1.254.6	153.1	1.5	.1	13
14	1.273.6	256.0	1.5	.2	1.269.9	233.2	2.5	30.7	1.265.4	207.4	1.4	.1	1.255.2	155.8	1.5	.1	14
15	1.274.0	258.6	1.5	.2	1.257.9	168.5	1.6	34.2	1.265.9	210.2	1.6	.1	1.255.7	158.1	1.3	.1	15
16	1.274.4	261.2	1.5	.2	1.248.9	128.3	4.3	24.6	1.266.4	213.0	1.8	.1	1.256.3	160.9	1.5	.1	16
17	1.274.9	264.4	1.8	.2	1.250.0	132.8	2.4	.1	1.261.0	184.0	2.3	17.0	1.256.8	163.3	1.3	.1	17
18	1.275.3	267.0	1.5	.2	1.250.9	136.7	2.1	.1	1.251.6	140.5	3.6	25.5	1.257.3	165.6	1.2	.1	18
19	1.275.8	270.3	1.9	.2	1.251.7	140.1	1.8	.1	1.242.2	102.0	3.6	22.9	1.257.8	168.0	1.4	.1	19
20	1.276.1	272.3	1.2	.2	1.252.6	143.6	1.9	.1	1.237.6	85.6	2.7	11.0	1.258.3	170.5	1.3	.1	20
21	1.276.4	274.2	1.3	.2	1.253.3	147.2	1.9	.1	1.238.8	89.6	2.3	.1	1.258.8	172.9	1.3	.1	21
22	1.276.8	276.9	1.6	.2	1.253.9	149.8	1.4	.1	1.239.9	93.6	2.0	.1	1.259.3	175.4	1.4	.1	22
23	1.277.1	278.9	1.2	.2	1.254.6	153.1	1.7	.1	1.240.8	96.9	1.7	.1	1.259.8	177.9	1.3	.1	23
24	1.277.5	281.6	1.6	.2	1.255.3	156.3	1.8	.1	1.241.7	100.2	1.8	.1	1.260.3	180.4	1.4	.1	24
25	1.277.9	284.2	1.5	.2	1.255.9	159.0	1.4	.1	1.242.5	103.2	1.6	.1	1.260.8	183.0	1.4	.1	25
26	1.278.3	286.9	1.5	.2	1.256.5	161.8	1.5	.1	1.243.3	106.1	1.6	.1	1.261.2	185.0	1.1	.1	26
27	1.278.6	289.0	1.3	.2	1.257.1	164.7	1.6	.1	1.244.1	109.2	1.6	.1	1.261.7	187.6	1.4	.1	27
28	1.278.9	291.0	1.2	.2	1.257.6	167.1	1.3	.1	1.244.8	111.8	1.4	.1	1.262.1	189.7	1.2	.1	28
29	1.279.2	293.1	1.3	.2	1.258.2	170.0	1.6	.1	1.245.5	114.6	1.6	.1	1.262.6	192.4	1.5	.1	29
30	1.279.5	295.2	1.2	.2	1.258.7	172.4	1.3	.1	1.246.2	117.3	1.4	.1	1.263.1	195.0	1.4	.1	30
31	1.279.8	297.2	1.2	.2					1.246.8	119.7	1.3	.1	1.258.2	170.0	2.6	15.2	31
TOTAL			44.7	5.7			51.8	114.7			52.5	79.1			43.6	18.2	
Inf. Ac. Ft.			88.7				102.7				104.1				86.5	382.0	
Outf. Ac. Ft.			11.3				227.5				156.9				36.1	431.8	
Maximum Mean Daily Inflow			1.9				4.3				3.6				2.6	4.3	
Minimum Mean Daily Inflow			1.1				0.9				1.1				1.1	0.9	
Storage Change		+ 77.4				- 124.8				- 52.7				+ 50.3		- 49.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1288.4	feet	on	7/8/63	Storage	360.5	Acre Feet		
Min. W. S. Elev.	1182.3	feet	on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	368.	C.F.S. from	8:45 P.M.	on	2/9/63	to	9:00 P.M.	on	2/9/63
Max. Peak Outf.	105.	C.F.S. from	6:30 A.M.	on	7/16/63	to	12:00 NOON	on	7/16/63

REMARKS

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
R.E. SANDERS	Dam Tender	Gage Hts. copied	RAP	RVW
R.V. WOOD	Hydrographer	Storage applied	RAP	RVW
	Hydrographer	Inf. & Outf. comp.	RAP	RVW

74D 138N-68B C/b 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1963

~~On~~

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1.250.3	134.1	4.6	22.9	1.270.2	235.0	2.6	2	1.268.4	224.4	3.0	18.0	1.252.7	144.5	3.5	26.0	1
2	1.248.4	126.2	3.7	7.7	1.270.6	238.6	2.0	2	1.259.6	176.9	3.1	27.0	1.243.6	107.3	3.3	22.1	2
3	1.249.4	130.3	2.2	.1	1.271.5	242.9	2.4	2	1.252.5	143.6	3.6	20.4	1.242.0	101.3	3.4	6.4	3
4	1.250.3	134.1	2.0	.1	1.272.1	246.6	2.0	2	1.247.6	123.0	3.2	13.6	1.243.9	108.4	3.7	.1	4
5	1.251.1	137.5	1.6	.1	1.269.3	229.7	2.6	11.1	1.249.1	129.1	3.2	.1	1.245.7	115.3	3.5	.1	5
6	1.251.8	140.5	1.6	.1	1.261.0	184.0	3.0	26.0	1.250.4	134.5	2.8	.1	1.247.2	121.3	3.2	.1	6
7	1.252.5	143.6	1.7	.1	1.251.6	139.7	2.8	25.2	1.251.6	139.7	2.7	.1	1.248.6	127.1	3.0	.1	7
8	1.253.2	146.7	1.7	.1	1.247.5	122.6	2.6	11.2	1.252.7	144.5	2.5	.1	1.249.8	132.0	2.6	.1	8
9	1.272.7	250.2	55.8	3.6	1.248.9	128.3	3.1	2	1.253.8	149.4	2.6	.1	1.251.1	137.5	2.8	.1	9
10	1.278.2	286.3	44.3	26.2	1.250.2	133.7	2.5	2	1.254.8	154.0	2.4	.1	1.252.2	142.3	2.6	.1	10
11	1.274.0	258.6	9.9	23.8	1.251.3	136.4	2.6	2	1.255.8	158.6	2.5	.1	1.253.5	148.0	2.9	.1	11
12	1.268.7	226.2	6.1	22.5	1.252.4	143.2	2.6	2	1.256.7	162.6	2.2	.1	1.254.5	152.6	2.4	.1	12
13	1.262.7	192.8	4.7	21.5	1.253.4	147.6	2.4	2	1.257.5	166.6	2.0	.1	1.255.6	157.7	2.7	.1	13
14	1.257.2	165.2	6.6	20.7	1.254.3	151.7	2.3	2	1.258.5	171.4	2.5	.1	1.256.6	162.3	2.4	.1	14
15	1.253.8	149.4	5.4	13.4	1.255.4	156.7	2.7	2	1.259.7	177.4	3.1	.1	1.257.6	167.1	2.6	.1	15
16	1.255.8	158.6	4.6	.1	1.256.9	163.7	3.7	2	1.260.7	182.5	2.7	.1	1.258.5	171.4	2.2	.1	16
17	1.257.5	166.6	4.1	.1	1.258.0	169.0	2.9	2	1.261.6	187.1	2.5	.2	1.259.3	175.4	2.1	.1	17
18	1.259.0	173.9	3.8	.1	1.259.3	175.4	3.4	2	1.262.5	191.8	2.5	.1	1.260.1	179.4	2.2	.1	18
19	1.260.4	180.9	3.6	.1	1.260.5	181.4	3.2	2	1.263.3	196.1	2.3	.1	1.261.0	184.0	2.4	.1	19
20	1.261.6	188.2	3.5	.1	1.261.7	187.6	3.4	2	1.264.8	204.1	4.1	.1	1.261.7	187.6	1.9	.1	20
21	1.262.9	194.0	3.0	.1	1.262.8	193.4	3.1	2	1.266.7	214.7	5.4	.1	1.262.5	191.8	2.2	.1	21
22	1.264.0	199.8	3.0	.1	1.264.0	199.8	3.4	2	1.268.0	222.1	3.9	.1	1.263.3	196.1	2.3	.1	22
23	1.265.1	205.6	3.1	.1	1.265.2	206.3	3.5	2	1.269.2	229.1	3.6	.1	1.264.2	200.9	2.5	.1	23
24	1.266.1	211.4	3.0	.1	1.266.2	211.9	3.0	2	1.270.3	235.6	3.4	.1	1.265.0	205.2	2.3	.1	24
25	1.267.0	216.4	2.6	.1	1.267.2	217.5	3.0	2	1.271.3	241.7	3.1	.1	1.265.8	209.7	2.3	.1	25
26	1.267.9	221.5	2.7	.1	1.268.1	222.7	2.9	2	1.273.7	256.7	7.7	.1	1.266.6	214.2	2.4	.1	26
27	1.268.7	226.2	2.4	.1	1.269.0	227.9	2.6	2	1.275.0	265.0	4.3	.1	1.267.3	218.1	2.1	.1	27
28	1.269.4	230.3	2.2	.1	1.270.4	236.2	4.4	2	1.276.2	272.9	4.1	.1	1.268.1	222.7	2.4	.1	28
29					1.271.4	242.3	3.3	2	1.271.1	240.4	4.0	20.4	1.268.9	227.3	2.4	.1	29
30					1.272.4	248.5	3.3	2	1.262.0	189.2	3.6	29.4	1.269.7	232.0	2.5	.1	30
31					1.273.3	254.1	3.0	2					1.270.4	236.2	2.2	.1	31
TOTAL			194.6	164.2			90.9	78.9			98.6	131.3			81.0	57.3	
Inf. Ac. Ft.			386.0				180.3				195.6				160.7	1304.6	
Outf. Ac. Ft.			325.7				156.5				260.4				113.7	1288.1	
Maximum Mean Daily Inflow			55.8				4.4				7.7				3.7	55.8	
Minimum Mean Daily Inflow			1.6				2.0				2.0				1.9	0.9	
Storage Change		+ 60.3				+ 23.8				- 64.9				+ 47.0		+ 16.4	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1288.4	feet	on 7/8/63	Storage	360.5	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1182.3	feet	on VARIOUS DAYS	Storage	0	Acre Feet		R.E. SANDERS	Dam Tender	Gage Hts. copied	RAP RVW
Max. Peak Inf.	368.	C.F.S. from	8:45 P.M. on 2/9/63	to	9:00 P.M.	on	2/9/63	R.V. WOOD	Hydrographer	Storage applied	RAP RVW
Max. Peak Outf.	105.	C.F.S. from	6:30 A.M. on 7/16/63	to	12:00 NOON	on	7/16/63		Hydrographer	Inf. & Outf. comp.	RAP RVW

REMARKS

74D 138N-68B C/b 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SANTA ANITA Dam

In Santa Anita Canyon for the Year Ending September 30, 1963

~~On~~

Drainage Area 10.8 Square Miles. Capacity of Reservoir 629.5 Ac. Ft. at Spillway Elev. 1316.0 Ft. as of April 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1.271.2	241.0	2.4	0	1.286.6	346.7	1.2	0			1.5	1.5			1.0	1.0	1
2	1.271.9	245.4	2.2	0	1.286.9	348.9	1.1	0			1.5	1.5			1.0	1.0	2
3	1.272.6	249.7	2.2	0	1.287.1	350.5	.8	0			1.5	1.5			1.0	1.0	3
4	1.273.3	254.1	2.2	0	1.287.4	352.8	1.1	0			1.5	1.5			.9	.9	4
5	1.273.9	258.0	2.0	0	1.287.7	355.1	1.2	0			1.4	1.4			.9	.9	5
6	1.274.7	263.1	2.6	0	1.288.0	357.4	1.2	0			1.4	1.4			.9	.9	6
7	1.275.3	267.0	1.9	0	1.288.2	359.0	.8	0			1.4	1.4			.9	.9	7
8	1.275.9	270.9	2.0	0	1.283.5	323.6	1.2	19.1			1.4	1.4			.9	.9	8
9	1.276.5	274.9	2.0	0	1.275.5	268.3	1.2	29.1			1.4	1.4			.8	.8	9
10	1.277.2	279.6	2.3	0	1.266.0	210.6	1.2	30.2			1.4	1.4			.8	.8	10
11	1.277.9	284.2	2.4	0	1.255.9	159.0	1.2	27.3			1.4	1.4			.8	.8	11
12	1.278.6	289.0	2.4	0	1.245.5	114.6	1.2	23.6			1.3	1.3			.8	.8	12
13	1.279.2	293.1	2.1	0	1.239.6	92.6	1.2	12.2			1.3	1.3			.8	.8	13
14	1.279.7	296.5	1.7	0	1.238.0	87.0	1.2	4.1			1.3	1.3			.8	.8	14
15	1.280.2	300.0	1.8	0	1.232.3	68.2	1.2	10.7			1.3	1.3			.7	.7	15
16	1.280.7	303.5	1.7	0	1.182.3	0	1.3	35.6			1.3	1.3			.7	.7	16
17	1.281.1	306.3	1.4	0		0	1.3	1.3			1.3	1.3			.8	.8	17
18	1.281.5	309.2	1.5	0		0	1.2	1.2			1.2	1.2			.9	.9	18
19	1.282.0	312.7	1.8	0		0	1.3	1.3			1.2	1.2			1.1	1.1	19
20	1.282.4	315.6	1.4	0		0	1.4	1.4			1.2	1.2			1.4	1.4	20
21	1.282.8	318.5	1.5	0		0	1.4	1.4			1.2	1.2			1.4	1.4	21
22	1.283.3	322.1	1.8	0		0	1.4	1.4			1.2	1.2			1.3	1.3	22
23	1.283.7	325.0	1.5	0		0	1.5	1.5			1.2	1.2			1.3	1.3	23
24	1.284.1	327.9	1.4	0		0	1.5	1.5			1.1	1.1			1.2	1.2	24
25	1.284.5	330.9	1.5	0		0	1.5	1.5			1.1	1.1			1.1	1.1	25
26	1.284.9	333.9	1.6	0		0	1.5	1.5			1.1	1.1			1.0	1.0	26
27	1.285.2	336.1	1.1	0		0	1.5	1.5			1.1	1.1			1.0	1.0	27
28	1.285.6	339.1	1.5	0		0	1.5	1.5			1.1	1.1			1.0	1.0	28
29	1.285.9	341.4	1.1	0		0	1.5	1.5			1.1	1.1			1.0	1.0	29
30	1.286.3	344.4	1.6	0		0	1.5	1.5			1.0	1.0			1.1	1.1	30
31						0	1.5	1.5			1.0	1.0					31
TOTAL			54.6	0			39.8	213.4			39.4	- 39.4			29.3	29.3	
Inf. Ac. Ft.			108.3				78.9				78.1				58.1	1628.0	
Outf. Ac. Ft.			0				423.3				78.1				58.1	1847.6	
Maximum Mean Daily Inflow			2.6				1.5				1.5				1.4	55.8	
Minimum Mean Daily Inflow			1.1				0.8				1.0				0.7	0.7	
Storage Change		+ 108.2				- 344.4				0				0		- 219.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1288.4	feet	on 7/8/63	Storage	360.5	Acre Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1182.3	feet	on VARIOUS DAYS	Storage	0	Acre Feet		R.E. SANDERS	Dam Tender	Gage Hts. copied	RAP RVW
Max. Peak Inf.	368.	C.F.S. from	8:45 P.M. on 2/9/63	to	9:00 P.M.	on	2/9/63	R.V. WOOD	Hydrographer	Storage applied	RAP RVW
Max. Peak Outf.	105.	C.F.S. from	6:30 A.M. on 7/16/63	to	12:00 NOON	on	7/16/63		Hydrographer	Inf. & Outf. comp.	RAP RVW

REMARKS

76D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1962

Drainage Area 3.34 Square Miles. Capacity of Reservoir 289.2 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of September 1959

Continuous Water Stage Recorder Au

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	1.278.6	7.4	.6	1.0	1.270.2	3.9	.2	0	1.288.0	13.1	.2	0	1.309.9	41.3	.2	.2	1
2	1.262.8	1.8	.6	2.6	1.271.0	4.2	.1	0	1.296.3	21.3	4.1	0	1.309.9	41.3	.2	.2	2
3			.6	.6	1.271.7	4.4	.1	0	1.297.7	23.0	.9	0	1.309.9	41.3	.2	.2	3
4			.6	.9	1.272.4	4.7	.2	0	1.298.4	23.9	.4	0	1.309.9	41.3	.2	.2	4
5			.6	.9	1.273.2	5.0	.1	0	1.299.1	24.6	.5	0	1.309.9	41.3	.2	.2	5
6			.6	.8	1.273.8	5.3	.2	0	1.299.8	25.7	.5	0	1.309.9	41.3	.2	.2	6
7		SLOW	.6	.9	1.274.4	5.5	.1	0	1.300.6	26.8	.5	0	1.309.9	41.3	.1	.1	7
8			.5	.8	1.275.1	5.8	.1	0	1.301.3	27.8	.5	0	1.309.9	41.3	.1	.1	8
9			.5	.7	1.275.7	6.0	.1	0	1.302.0	28.8	.5	0	1.309.9	41.3	.1	.1	9
10			.5	.6	1.276.3	6.3	.2	0	1.302.7	29.8	.5	0	1.309.9	41.3	.1	.1	10
11			.4	.6	1.276.8	6.5	.1	0	1.303.2	30.5	.4	0	1.309.9	41.3	.1	.1	11
12			.4	.6	1.277.4	6.8	.1	0	1.303.7	31.2	.3	0	1.309.9	41.3	.1	.1	12
13			.4	.4	1.277.9	7.0	.1	0	1.304.2	32.0	.4	0	1.309.9	41.3	.1	.1	13
14			.4	.4	1.278.5	7.3	.2	0	1.304.7	32.8	.4	0	1.309.9	41.3	.2	.2	14
15			.4	.3	1.279.0	7.6	.1	0	1.305.1	33.4	.3	0	1.309.9	41.3	.2	.2	15
16			.4	.3	1.279.5	7.8	.1	0	1.305.5	34.0	.3	0	1.309.9	41.3	.2	.2	16
17			.3	.3	1.280.0	8.0	.1	0	1.305.9	34.6	.3	0	1.309.9	41.3	.2	.2	17
18			.3	.3	1.280.5	8.3	.2	0	1.306.2	35.1	.3	0	1.309.9	41.3	.2	.2	18
19			.3	.3	1.281.0	8.6	.1	0	1.306.6	35.8	.3	0	1.309.9	41.3	.2	.2	19
20			.3	.3	1.281.9	9.0	.2	0	1.306.9	36.2	.2	0	1.310.0	41.5	2.2	2.1	20
21	1.259.6	1.1	.2	0	1.282.3	9.3	.2	0	1.307.3	36.9	.4	0	1.309.9	41.3	1.6	1.7	21
22	1.260.9	1.4	.2	0	1.282.7	9.5	.1	0	1.307.6	37.4	.3	0	1.309.9	41.3	1.7	1.7	22
23	1.262.0	1.6	.2	0	1.283.2	9.8	.1	0	1.307.9	37.9	.2	0	1.309.9	41.3	1.6	1.6	23
24	1.263.2	1.9	.2	0	1.283.7	10.1	.2	0	1.308.2	38.4	.3	0	1.310.0	41.5	1.6	1.5	24
25	1.264.3	2.1	.2	0	1.284.3	10.5	.2	0	1.308.5	39.0	.3	0	1.310.0	41.5	1.5	1.5	25
26	1.265.3	2.4	.2	0	1.284.9	10.9	.2	0	1.308.8	39.5	.2	0	1.309.9	41.3	1.1	1.2	26
27	1.266.2	2.6	.2	0	1.285.4	11.3	.2	0	1.309.1	40.0	.3	0	1.309.9	41.3	1.0	1.0	27
28	1.267.1	2.9	.1	0	1.286.0	11.7	.2	0	1.309.3	40.3	.1	0	1.309.9	41.3	.6	.6	28
29	1.267.9	3.1	.1	0	1.286.7	12.2	.2	0	1.309.6	40.8	.3	0	1.309.9	41.3	.6	.6	29
30	1.268.7	3.4	.1	0	1.287.4	12.7	.3	0	1.309.9	41.3	.2	0	1.309.9	41.3	.5	.5	30
31	1.269.5	3.6	.1	0					1.309.9	41.3	.2	.2	1.309.9	41.3	.4	.4	31
TOTAL			11.1	13.6			4.6	0			14.6	.2			17.7	17.7	
Inf. Ac. Ft.			22.0				9.1				29.0				35.1	35.2	
Outf. Ac. Ft.			27.0				0				0.4				35.1	82.5	
Maximum Mean Daily Inflow			0.6				0.3				4.1				2.2	4.1	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change		- 5.0				+ 9.1				+ 28.6				0		+ 32.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1341.8	feet	on	2/11/62	Storage	159.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	1249.5	feet	on	10/3-10/20/61	Storage	0	Acre Feet	B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF 1/30/63
Max. Peak Inf.	282.	C.F.S. from	3:00 P.M.	on 2/11/62	to	3:15 P.M.	on 2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP	AJF 1/30/63
Max. Peak Outf.	146.	C.F.S. from	3:05 P.M.	on 2/11/62	to	3:40 P.M.	on 2/11/62		Hydrographer	Inf. & Outf. comp.	RAP	AJF 1/30/63
			5:35 P.M.	2/12/62		6:45 P.M.	2/12/62					

REMARKS (INDICATES AVERAGE FOR PERIOD.

76D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 1962

271.7 May 1962

Drainage Area 3.34 Square Miles. Capacity of Reservoir 289.2 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of September 1959

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1.309.9	41.3	.4	.4	1.310.2	41.8	5.6	5.9	1.310.0	41.5	1.6	1.8	1.310.0 1/	32.4	1.1	1.1	1
2	1.309.9	41.3	.4	.4	1.310.2	41.8	5.5	5.5	1.310.0	41.5	1.6	1.6	1.310.0	32.4	1.1	1.1	2
3	1.309.9	41.3	.4	.4	1.310.2	41.8	5.2	5.2	1.310.0	41.5	1.6	1.6	1.309.9	32.3	.9	1.0	3
4	1.309.9	41.3	.4	.4	1.310.2	41.8	4.6	4.6	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.9	.9	4
5	1.309.9	41.3	.4	.4	1.310.2	41.8	4.8	4.8	1.310.0	41.5	1.5	1.5	1.309.9	32.3	.8	.8	5
6	1.309.9	41.3	.4	.4	1.310.4	42.2	6.3	6.1	1.310.0	41.5	1.5	1.5	1.309.9	32.3	.9	.9	6
7	1.310.0	41.5	.4	.3	1.310.2	41.8	5.0	5.2	1.310.0	41.5	1.5	1.5	1.309.9	32.3	1.0	1.0	7
8	1.310.1	41.7	3.6	3.5	1.310.2	41.8	4.6	4.6	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.9	.9	8
9	1.310.4	42.2	9.1	8.8	1.310.2	41.8	4.4	4.4	1.310.0	41.5	1.5	1.5	1.309.9	32.3	.9	.9	9
10	1.310.3	42.0	8.3	8.4	1.310.2	41.8	3.9	3.9	1.310.0	41.5	1.5	1.5	1.309.9	32.3	.9	.9	10
11	1.341.2	155.8	122.3	65.0	1.310.2	41.8	3.7	3.7	1.310.0	41.5	1.6	1.6	1.309.9	32.3	.9	.9	11
12	1.334.6	119.7	56.8	75.0	1.310.2	41.8	3.6	3.6	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.9	.9	12
13	1.318.5	59.0	11.4	42.0	1.310.2	41.8	3.6	3.6	1.310.0	41.5	1.4	1.4	1.309.9	32.3	1.0	1.0	13
14	1.310.5	42.4	11.7	20.0	1.310.2	41.8	3.1	3.1	1.310.0	41.5	1.2	1.2	1.310.0	32.4	1.2	1.1	14
15	1.310.6	42.5	13.0	13.0	1.310.1	41.7	2.6	2.7	1.310.0	41.5	1.2	1.2	1.309.9	32.3	1.0	1.1	15
16	1.310.5	42.4	13.0	13.0	1.310.1	41.7	2.6	2.6	1.310.0	41.5	1.4	1.4	1.310.0	32.4	1.5	1.4	16
17	1.310.6	42.5	9.3	9.3	1.310.1	41.7	2.6	2.6	1.310.0	41.5	1.3	1.3	1.309.9	32.3	1.0	1.1	17
18	1.310.4	42.2	8.2	8.3	1.310.1	41.7	2.7	2.7	1.310.0	41.5	1.2	1.2	1.309.9	32.3	.8	.8	18
19	1.310.6	42.5	14.1	14.0	1.310.1	41.7	2.9	2.9	1.310.0	41.5	1.3	1.3	1.309.9	32.3	.8	.8	19
20	1.310.7	42.7	15.1	15.0	1.310.1	41.7	3.0	3.0	1.310.0	41.5	1.3	1.3	1.309.9	32.3	.9	.9	20
21	1.310.7	42.7	14.0	14.0	1.310.1	41.7	2.6	2.6	1.310.0	41.5	1.2	1.2	1.309.9	32.3	.8	.8	21
22	1.310.4	42.2	10.8	11.0	1.310.2	41.8	3.5	3.4	1.310.0	41.5	1.2	1.2	1.309.9	32.3	.8	.8	22
23	1.310.5	42.4	9.0	8.9	1.310.1	41.7	2.8	2.9	1.310.0	41.5	1.2	1.2	1.309.9	32.3	.8	.8	23
24	1.310.5	42.4	8.3	8.3	1.310.1	41.7	2.4	2.4	1.310.0	41.5	1.3	1.3	1.309.9	32.3	.8	.8	24
25	1.310.3	42.0	7.4	7.6	1.310.1	41.7	2.3	2.3	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.8	.8	25
26	1.310.3	42.0	6.7	6.7	1.310.1	41.7	2.3	2.3	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.8	.8	26
27	1.310.5	42.4	6.3	6.1	1.310.1	41.7	2.1	2.1	1.310.0	41.5	1.4	1.4	1.309.9	32.3	.8	.8	27
28	1.310.5	42.4	6.1	6.1	1.310.0	41.5	2.1	2.2	1.310.0	41.5	1.3	1.3	1.310.0	32.4	.9	.8	28
29					1.310.0	41.5	2.1	2.1	1.310.0	41.5	1.3	1.3	1.309.9	32.3	.7	.8	29
30					1.310.0	41.5	1.9	1.9	1.310.0	41.5	1.2	1.2	1.309.9	32.3	.8	.8	30
31					1.310.0	41.5	1.9	1.9					1.309.9	32.3	.8	.8	31
TOTAL			367.3	366.7			106.3	106.8			41.5	41.5			28.2	28.3	
Inf. Ac. Ft.			728.5				210.8				82.3				55.9	1172.7	
Outf. Ac. Ft.			727.3				211.8				82.3				56.1	1140.0	
Maximum Mean Daily Inflow			122.3				6.3				1.8				1.5	122.3	
Minimum Mean Daily Inflow			0.4				1.9				1.2				0.7	0.1	
Storage Change		+ 1.1				- 0.9				0				- 9.2 1/		+ 23.7 1/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1341.8	feet	on	2/11/62	Storage	159.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	1249.5	feet	on	10/3 - 10/20/61	Storage	0	Acre Feet	B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF 1/31/63
Max. Peak Inf.	282.	C.F.S. from	3:00 P.M.	on 2/11/62	to	3:15 P.M.	on 2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP	AJF 1/31/63
Max. Peak Outf.	146.	C.F.S. from	3:05 P.M.	on 2/11/62	to	3:40 P.M.	on 2/11/62		Hydrographer	Inf. & Outf. comp.	RAP	AJF 1/31/63
			5:35 P.M.	2/12/62		6:45 P.M.	2/12/62					

REMARKS 1/ CHANGED TO STORAGE TABLE X. LOST 8.0 A.F. DUE TO SILTATION.

76D138N-68B Qlb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 3.24 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of May 19 62 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1309.9	32.3	.7	.7	1309.9	32.3	.3	0	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1
2	1309.9	32.3	.7	.7	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	2
3	1309.9	32.3	.8	.8	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	3
4	1309.9	32.3	.9	.9	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	4
5	1309.9	32.3	.9	.9	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	5
6	1309.9	32.3	.9	.9	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	6
7	1309.9	32.3	.9	.9	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	7
8	1309.4	31.6	.7	1.1	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	8
9	1308.2	30.0	.6	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	9
10	1307.1	28.5	.7	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	10
11	1306.0	27.1	.7	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	11
12	1304.8	25.7	.7	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	12
13	1303.6	24.5	.8	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	13
14	1302.7	23.2	.8	1.5	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	14
15	1302.1	22.5	1.1	1.4	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	15
16	1301.7	22.1	1.0	1.2	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	16
17	1301.1	21.4	.8	1.2	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	17
18	1300.4	20.6	.8	1.2	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	18
19	1299.7	19.9	.8	1.2	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	19
20	1299.6	19.8	1.0	1.0	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	20
21	1300.5	20.8	.9	.4	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	21
22	1301.8	22.2	.9	.2	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	22
23	1302.9	23.4	.8	.2	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	23
24	1303.8	24.5	.7	.1	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	24
25	1305.0	25.9	.7	+	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	25
26	1306.3	27.5	.8	+	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	26
27	1307.3	28.8	.6	+	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	27
28	1308.1	29.8	.5	0	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	28
29	1308.8	30.7	.5	0	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	29
30	1309.6	31.8	.5	0	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	30
31					1309.9	32.3	.4	.4	1309.9	32.3	.2	.2					31
TOTAL			23.2	23.5			11.0	10.7			7.7	7.7			6.7	6.7	
Inf. Ac. Ft.			46.0				21.8				15.3				13.3	1269.1	
Outf. Ac. Ft.			46.6				21.2				15.3				13.3	1236.4	
Maximum Mean Daily Inflow			1.1				0.4				0.4				0.3	122.3	
Minimum Mean Daily Inflow			0.5				0.3				0.2				0.2	0.1	
Storage Change		- 0.5				+ 0.5				0				0		+ 23.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1341.8	feet	on	2/11/62	Storage	159.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1249.5	feet	on	10/3-10/20/61	Storage	0	Acre Feet	B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF 1/31/63
Max. Peak Inf.	282.	C.F.S. from	3:00 P.M.	on 2/11/62	to	3:15 P.M.	on 2/11/62	R.V. WOOD	Hydrographer	Storage applied	RAP	AJF 1/31/63
Max. Peak Outf.	146.	C.F.S. from	3:00 P.M.	on 2/11/62	to	3:30 P.M.	on 2/11/62		Hydrographer	Inf. & Outf. comp.	RAP	AJF 1/31/63
REMARKS			8:30 P.M.	2/12/62		8:45 P.M.	2/12/62					

76D138N-68B Qlb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of May 19 62 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	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1
2	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	2
3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.2	.2	3
4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.2	.2	4
5	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.2	.2	5
6	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.2	.2	6
7	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.2	.2	7
8	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.6	.6	8
9	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.3	.3	9
10	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.9	.9	10
11	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.6	.6	11
12	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.5	.5	12
13	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.4	.4	13
14	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.4	.4	14
15	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.4	.4	15
16	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.1	.1	1309.9	32.3	.4	.4	16
17	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.4	.4	17
18	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.4	.4	18
19	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	19
20	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	20
21	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	21
22	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	22
23	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	1309.9	32.3	.2	.2	23
24	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	24
25	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	25
26	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	26
27	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	27
28	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	28
29	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	29
30	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	30
31	1309.9	32.3	.2	.2					1309.9	32.3	.2	.2	1309.9	32.3	.5	.5	31
TOTAL			8.2	8.2			6.6	6.6			5.5	5.5			9.8	9.8	
Inf. Ac. Ft.			16.3				13.1				10.9				19.4	59.7	
Outf. Ac. Ft.			16.3				13.1				10.9				19.4	59.7	
Maximum Mean Daily Inflow			0.3				0.3				0.3				0.9	0.9	
Minimum Mean Daily Inflow			0.2				0.2				0.1				0.2	0.1	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1313.1	feet	on	2/9/63	Storage	37.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1309.9	feet	on	VARIOUS DAYS	Storage	32.3	Acre Feet	B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	77.3	C.F.S. from	9:00 P.M.	on 2/9/63	to	9:15 P.M.	on 2/9/63	R.V. WOOD	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	42.2	C.F.S. from	10:00 P.M.	on 2/9/63	to	11:00 P.M.	on 2/9/63		Hydrographer	Inf. & Outf. comp.	RAP	AJF
REMARKS												

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 63

On

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of May 19 62

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	1309.9	32.3	.6	.6	1309.9	32.3	.4	.4	1309.9	32.3	.8	.8	1309.9	32.3	.5	.5	1
2	1309.9	32.3	.6	.6	1309.9	32.3	.4	.4	1309.9	32.3	.7	.7	1309.9	32.3	.4	.4	2
3	1309.9	32.3	.4	.4	1309.9	32.3	.4	.4	1309.9	32.3	.6	.6	1309.9	32.3	.4	.4	3
4	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	4
5	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	5
6	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	6
7	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.3	.3	7
8	1309.9	32.3	.3	.3	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	8
9	1312.1	35.6	11.7	10.0	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.3	.3	9
10	1310.2	32.7	7.7	9.2	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.2	10
11	1310.0	32.4	2.7	2.8	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.1	11
12	1319.9	32.3	2.1	2.2	1309.9	32.3	.4	.4	1309.9	32.3	.2	.2	1309.9	32.3	.1	.2	12
13	1319.9	32.3	1.6	1.6	1309.9	32.3	.4	.4	1309.9	32.3	.3	.3	1309.9	32.3	.2	.1	13
14	1310.0	32.4	2.5	2.4	1309.9	32.3	.4	.4	1309.9	32.3	.4	.4	1309.9	32.3	.1	.1	14
15	1309.9	32.3	1.7	1.8	1309.9	32.3	.4	.4	1309.9	32.3	.4	.4	1309.9	32.3	.1	.1	15
16	1309.9	32.3	1.6	1.6	1310.2	32.7	1.0	.8	1309.9	32.3	.4	.4	1309.9	32.3	.1	.2	16
17	1309.9	32.3	1.2	1.2	1310.0	32.4	1.9	2.0	1309.9	32.3	.5	.5	1309.9	32.3	.2	.2	17
18	1309.9	32.3	1.2	1.2	1309.9	32.3	.9	1.0	1309.9	32.3	.4	.4	1309.9	32.3	.2	.3	18
19	1309.9	32.3	1.1	1.1	1309.9	32.3	.6	.6	1309.9	32.3	.4	.4	1309.9	32.3	.3	.5	19
20	1309.9	32.3	.8	.8	1309.9	32.3	.7	.7	1309.9	32.3	.6	.6	1309.9	32.3	.5	.1	20
21	1309.9	32.3	.6	.6	1309.9	32.3	.6	.6	1309.9	32.3	1.4	1.4	1309.9	32.3	.3	.3	21
22	1309.9	32.3	.6	.6	1309.9	32.3	.6	.6	1309.9	32.3	.9	.9	1309.9	32.3	.3	.3	22
23	1309.9	32.3	.4	.4	1309.9	32.3	.6	.6	1309.9	32.3	.7	.7	1309.9	32.3	.2	.2	23
24	1309.9	32.3	.4	.4	1309.9	32.3	.6	.6	1309.9	32.3	.5	.5	1309.9	32.3	.1	.1	24
25	1309.9	32.3	.4	.4	1309.9	32.3	.6	.6	1309.9	32.3	.6	.6	1309.9	32.3	.1	.1	25
26	1309.9	32.3	.4	.4	1309.9	32.3	.7	.7	1309.9	32.3	2.0	2.0	1309.9	32.3	.1	.1	26
27	1309.9	32.3	.4	.4	1309.9	32.3	.7	.7	1309.9	32.3	1.1	1.1	1309.9	32.3	.1	.1	27
28	1309.9	32.3	.4	.4	1309.9	32.3	.6	.6	1309.9	32.3	1.0	1.0	1309.9	32.3	.1	.1	28
29					1309.9	32.3	.6	.6	1309.9	32.3	.8	.8	1309.9	32.3	.1	.1	29
30					1309.9	32.3	.6	.6	1309.9	32.3	.6	.6	1309.9	32.3	.1	.1	30
31					1309.9	32.3	.6	.6					1309.9	32.3	.1	.1	31
TOTAL			42.7	42.7			19.3	19.3			17.5	17.5			7.1	7.1	
Inf. Ac. Ft.			84.7				38.3				34.7				14.1	231.4	
Outf. Ac. Ft.			84.7				38.3				34.7				14.1	231.4	
Maximum Mean Daily Inflow			11.7				1.9				2.0				0.5	11.7	
Minimum Mean Daily Inflow			0.3				0.3				0.2				0.1	0.1	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1313.1	feet	on	2/9/63	Storage	37.2	Acre Feet			
Min. W. S. Elev.	1309.9	feet	on	VARIOUS DAYS	Storage	32.3	Acre Feet			
Max. Peak Inf.	77.3	C.F.S. from	9:00 P.M.	on 2/9/63	to	9:15 P.M.	on	2/9/63		
Max. Peak Outf.	42.2	C.F.S. from	10:00 P.M.	on 2/9/63	to	11:00 P.M.	on	2/9/63		

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF 9/30/63
R.V. WOOD	Hydrographer	Storage applied	RAP	AJF 9/30/63
	Hydrographer	Inf. & Outf. comp.	RAP	AJF 9/30/63

REMARKS

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAWPIT Dam

In Sawpit Canyon for the Year Ending September 30, 19 63

On

Continuous Water Stage Recorder Au

Drainage Area 3.34 Square Miles. Capacity of Reservoir 271.7 Ac. Ft. at Spillway Elev. 1360.0 Ft. as of May 19 62

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1
2	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	2
3	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	3
4	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	4
5	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	5
6	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	6
7	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	7
8	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	8
9	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	9
10	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	10
11	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	11
12	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	12
13	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	13
14	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	14
15	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	15
16	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	16
17	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	17
18	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1310.0	32.4	.2	.1	18
19	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.2	19
20	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	20
21	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	21
22	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	22
23	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	23
24	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	24
25	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	25
26	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	26
27	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	27
28	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	28
29	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	29
30	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	1309.9	32.3	.1	.1	30
31					1309.9	32.3	.1	.1	1309.9	32.3	.1	.1					31
TOTAL			3.0	3.0			3.1	3.1			3.1	3.1			3.1	3.1	
Inf. Ac. Ft.			6.0				6.1				6.1				6.1	255.7	
Outf. Ac. Ft.			6.0				6.1				6.1				6.1	255.7	
Maximum Mean Daily Inflow			0.1				0.1				0.1				0.2	11.7	
Minimum Mean Daily Inflow			0.1				0.1				0.1				0.1	0.1	
Storage Change	0				0				0				0			0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1313.1	feet	on	2/9/63	Storage	37.2	Acre Feet			
Min. W. S. Elev.	1309.9	feet	on	VARIOUS DAYS	Storage	32.3	Acre Feet			
Max. Peak Inf.	77.3	C.F.S. from	9:00 P.M.	on 2/9/63	to	9:15 P.M.	on	2/9/63		
Max. Peak Outf.	42.2	C.F.S. from	10:00 P.M.	on 2/9/63	to	11:00 P.M.	on	2/9/63		

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
B.E. ROBB	Dam Tender	Gage Hts. copied	RAP	AJF
R.V. WOOD	Hydrographer	Storage applied	RAP	AJF
	Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Heights in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,445.6 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of October, 19 58 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	2.252.7	466.9	.4	.6	2.215.3	61.6	2.3	.1	2.221.4	86.8	1.1	.1	2.259.1	612.4	2.8	.2	1
2	2.252.6	464.8	.4	.6	2.216.1	64.5	1.5	.1	2.245.8	337.0	126.4	.2	2.259.3	617.4	2.8	.2	2
3	2.252.6	464.8	.4	.7	2.216.8	67.1	1.4	.1	2.249.9	411.4	37.7	.2	2.259.5	622.4	2.8	.2	3
4	2.252.5	462.8	.4	.7	2.217.4	69.4	1.3	.1	2.251.1	434.7	12.0	.2	2.259.7	627.3	2.7	.1	4
5	2.252.5	462.8	.4	.7	2.217.9	71.3	1.2	.1	2.251.7	446.6	6.3	.2	2.259.9	632.3	2.7	.1	5
6	2.252.4	460.8	.4	.7	2.204.7	38.0	1.2	5.3	2.252.2	456.7	5.4	.2	2.260.1	637.3	2.7	.1	6
7	2.252.4	460.8	.4	.7	2.207.7	42.9	1.2	.1	2.252.5	462.8	3.2	.2	2.260.3	642.4	2.6	.1	7
8	2.252.3	458.7	.4	.6	2.208.7	44.7	1.2	.1	2.252.8	468.9	3.2	.2	2.260.5	647.5	2.6	.1	8
9	2.252.3	458.7	.4	.6	2.209.7	46.7	1.2	.1	2.253.1	475.1	3.1	.2	2.260.7	652.6	2.6	.2	9
10	2.252.2	456.7	.4	.6	2.210.7	48.8	1.2	.1	2.253.4	481.5	3.1	.2	2.260.8	655.1	2.6	.2	10
11	2.252.2	456.7	.4	.6	2.211.6	50.6	1.2	.1	2.253.7	487.8	3.1	.2	2.261.0	660.2	2.6	.2	11
12	2.252.1	454.6	.4	.6	2.212.3	52.5	1.2	.1	2.253.9	492.1	3.1	.2	2.261.2	665.4	2.6	.2	12
13	2.252.1	454.6	.4	.6	2.212.9	54.1	1.2	.1	2.254.1	496.4	3.1	.2	2.261.4	670.6	2.6	.2	13
14	2.252.0	452.6	.4	.6	2.213.6	56.1	1.2	.1	2.254.5	505.2	4.7	.2	2.261.5	673.2	2.6	.2	14
15	2.252.0	452.6	.4	.6	2.214.2	58.0	1.2	.1	2.254.7	509.5	3.4	.2	2.261.7	678.4	2.6	.2	15
16	2.251.9	450.6	.4	.6	2.214.8	59.9	1.1	.1	2.254.9	513.9	3.3	.2	2.261.9	683.6	2.6	.2	16
17	2.251.9	450.6	.4	.6	2.215.3	61.6	1.1	.1	2.255.1	518.4	3.3	.2	2.262.1	688.9	2.6	.2	17
18	2.251.8	448.6	.4	.6	2.215.8	63.4	1.1	.1	2.255.4	525.1	3.3	.2	2.262.2	691.5	2.6	.2	18
19	2.251.8	448.6	.4	.7	2.216.3	65.2	1.1	.1	2.255.7	531.9	3.3	.2	2.262.4	696.8	2.6	.2	19
20	2.251.8	448.6	.4	.7	2.217.5	69.8	2.4	.1	2.256.0	538.7	3.3	.2	2.266.1	798.8	51.6	.2	20
21	2.251.7	446.6	.4	.7	2.217.9	71.3	.9	.1	2.256.3	545.7	3.3	.2	2.267.5	839.6	21.0	.3	21
22	2.251.7	446.6	.4	.7	2.218.2	72.5	.7	.1	2.256.6	552.6	3.3	.2	2.268.6	872.5	16.9	.3	22
23	2.251.6	444.6	.3	.8	2.218.5	73.8	.8	.1	2.256.9	559.6	3.3	.2	2.269.6	903.2	15.8	.3	23
24	2.251.6	444.6	.3	.8	2.218.9	75.4	.9	.1	2.257.2	566.6	3.3	.2	2.270.4	928.3	13.9	.3	24
25	2.251.5	442.6	.3	.7	2.219.6	78.4	1.6	.1	2.257.4	571.4	3.3	.2	2.271.2	953.9	13.9	.3	25
26	2.251.5	442.6	.3	.7	2.219.9	79.7	.8	.1	2.257.7	578.5	3.3	.2	2.271.9	976.7	13.9	.3	26
27	2.251.4	440.7	.3	.7	2.220.2	81.0	.8	.1	2.257.9	583.2	3.3	.2	2.272.7	1.003.3	13.9	.3	27
28	2.251.4	440.7	.3	.7	2.220.5	82.4	.8	.1	2.258.2	590.5	3.3	.2	2.273.7	1.037.0	13.9	.3	28
29	2.251.3	438.7	.3	.7	2.220.7	83.4	.7	.1	2.258.4	595.3	3.3	.2	2.274.6	1.067.8	13.8	.3	29
30	2.217.8	70.9	.9	160.0	2.221.0	84.8	.8	.1	2.258.6	600.2	3.3	.2	2.275.3	1.092.0	13.8	.3	30
31	2.214.0	57.3	3.1	14.0					2.258.9	607.5	3.3	.2	2.276.0	1.116.5	13.8	.3	31
TOTAL			14.9	193.2			35.3	8.2			271.7	6.1			266.5	6.8	
Inf. Ac. Ft.			29.6				70.0				538.9				528.6	1167.1	
Outf. Ac. Ft.			383.2 + (55.9) 1/				16.3 + (26.2) 2/				12.1 + (4.2)				13.5 + (6.1)	425.1 + (92.4) 1/2/	
Maximum Mean Daily Inflow			3.1				2.4				126.4				51.6	126.4	
Minimum Mean Daily Inflow			0.3				0.7				1.1				2.6	0.3	
Storage Change			- 409.6 1/				+ 27.5 2/				+ 522.7				+ 509.0	+ 649.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2367.0	feet	on	VARIOUS DAYS	Storage	7992.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2202.2	feet	on	11/6/61	Storage	34.0	Acre Feet	J.C. BARR	Dam Tender	Gage Hts. copied	RAP TS
Max. Peak Inf.	7011.	C.F.S. from	1:15 P.M.	on 2/11/62	to	1:30 P.M.	on 2/11/62	E.K. DE VORE	Hydrographer	Storage applied	RAP TS
Max. Peak Outf.	2266.	C.F.S. from	3:35 P.M.	on 2/11/62	to	8:10 P.M.	on 2/11/62		Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS ( ) INDICATES EVAPORATION LOSSES. 1/ INCLUDES ESTIMATED 43.8 A.F. LOSS DUE TO SILTATION. 2/ INCLUDES ESTIMATED 25.2 A.F. LOSS DUE TO SILTATION.
< INDICATES AVERAGE FOR PERIOD.

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Heights in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,445.6 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of October, 19 58 Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2.276.6	1,137.9	11.2	.3	2.336.1	4,753.9	80.3	116.0	2.354.0	6,514.2	35.8	4.6	2.363.8	7,607.8	16.1	6.2	1
2	2.277.1	1,155.8	9.6	.3	2.335.0	4,656.5	64.2	113.0	2.354.6	6,578.5	35.8	4.7	2.363.9	7,619.5	16.0	6.5	2
3	2.277.6	1,174.0	9.6	.3	2.334.0	4,569.1	67.2	111.0	2.355.2	6,643.0	35.8	4.9	2.364.1	7,643.1	16.0	6.5	3
4	2.278.1	1,192.3	9.6	.3	2.332.8	4,465.6	59.4	111.0	2.355.7	6,697.1	35.8	4.9	2.364.2	7,654.9	16.0	6.5	4
5	2.278.5	1,207.1	7.9	.3	2.331.6	4,363.5	57.9	109.0	2.356.2	6,751.3	35.7	4.9	2.364.3	7,666.8	16.0	6.5	5
6	2.278.9	1,221.9	7.8	.3	2.331.7	4,372.0	79.3	75.0	2.356.7	6,805.7	31.3	4.9	2.364.5	7,690.5	14.9	6.5	6
7	2.279.4	1,240.7	9.8	.3	2.331.9	4,388.9	68.6	60.0	2.357.1	6,849.4	31.3	4.9	2.364.6	7,702.4	14.9	6.2	7
8	2.288.8	1,626.3	194.7	.3	2.332.8	4,465.6	65.0	26.0	2.357.6	6,904.3	31.3	4.7	2.364.7	7,714.2	14.9	6.2	8
9	2.303.2	2,357.4	368.9	.3	2.334.4	4,604.1	74.2	4.2	2.358.1	6,959.4	31.3	4.7	2.364.8	7,726.1	14.8	6.2	9
10	2.314.6	3,068.3	358.7	.3	2.335.7	4,718.4	62.0	4.0	2.358.5	7,003.8	31.2	5.1	2.364.9	7,737.9	14.8	6.2	10
11	2.365.8	7,846.0	3,478.8	1,070.0	2.336.8	4,816.5	54.0	4.0	2.358.9	7,048.1	25.6	5.1	2.365.0	7,749.8	13.4	6.2	11
12	2.356.2	6,751.3	1,183.1	1,735.0	2.338.0	4,924.9	58.8	3.6	2.359.2	7,081.6	25.5	5.1	2.365.1	7,761.8	13.3	6.2	12
13	2.355.0	6,621.4	425.8	491.0	2.339.1	5,025.8	55.0	3.6	2.359.6	7,126.3	25.5	5.1	2.365.2	7,773.9	13.3	6.2	13
14	2.351.8	6,281.2	272.7	444.0	2.340.1	5,118.5	50.8	3.4	2.359.9	7,159.9	25.5	5.1	2.365.4	7,797.9	19.4	6.5	14
15	2.350.0	6,093.3	340.2	435.0	2.341.1	5,212.2	51.3	3.4	2.360.2	7,193.7	25.5	5.1	2.365.6	7,822.0	19.6	6.7	15
16	2.347.6	5,847.7	286.2	410.0	2.342.0	5,297.4	46.7	3.4	2.360.5	7,227.6	22.7	5.3	2.365.7	7,834.0	14.8	6.7	16
17	2.343.5	5,441.6	219.4	424.0	2.342.9	5,383.6	47.4	3.6	2.360.8	7,261.6	22.7	5.3	2.365.9	7,858.1	14.8	6.7	17
18	2.340.7	5,174.6	169.8	304.0	2.343.9	5,480.3	52.8	3.8	2.361.1	7,295.6	22.6	5.6	2.366.0	7,870.1	14.8	6.7	18
19	2.340.8	5,184.0	190.7	186.0	2.344.8	5,568.4	48.4	3.8	2.361.3	7,318.5	22.6	5.6	2.366.1	7,882.3	14.8	6.7	19
20	2.340.6	5,165.3	176.6	186.0	2.345.6	5,647.4	44.0	4.0	2.361.6	7,352.8	22.6	5.6	2.366.2	7,894.5	14.8	6.5	20
21	2.340.0	5,109.1	160.0	188.0	2.346.4	5,727.0	44.0	3.8	2.361.8	7,375.7	18.6	5.6	2.366.3	7,906.7	13.6	6.5	21
22	2.339.2	5,035.0	151.1	188.0	2.347.3	5,817.3	49.5	3.8	2.362.0	7,398.6	18.5	5.6	2.366.4	7,918.9	13.6	6.2	22
23	2.338.7	4,989.0	145.1	168.0	2.348.1	5,898.3	45.1	3.8	2.362.2	7,421.7	18.5	5.6	2.366.5	7,931.2	13.6	6.2	23
24	2.338.7	4,989.0	131.1	131.0	2.348.8	5,969.8	40.4	3.7	2.362.4	7,444.8	18.5	5.8	2.366.6	7,943.4	13.6	6.2	24
25	2.338.6	4,979.9	117.6	122.0	2.349.5	6,041.8	40.5	3.7	2.362.6	7,468.0	18.5	5.6	2.366.7	7,955.6	13.5	6.2	25
26	2.338.3	4,952.4	106.4	120.0	2.350.2	6,114.1	39.0	3.8	2.362.8	7,491.1	18.5	5.8	2.366.8	7,967.8	12.7	6.2	26
27	2.337.6	4,888.7	86.3	118.0	2.350.9	6,186.9	39.0	3.8	2.363.0	7,514.2	18.5	5.8	2.366.8	7,967.8	12.7	6.2	27
28	2.336.9	4,825.5	84.8	116.0	2.351.5	6,249.8	39.0	4.0	2.363.2	7,537.6	18.5	6.0	2.366.9	7,980.0	12.7	6.2	28
29					2.352.2	6,323.3	39.0	4.0	2.363.4	7,561.0	18.5	6.0	2.367.0	7,992.2	12.6	9.6	29
30					2.352.9	6,397.2	38.9	4.2	2.363.6	7,584.4	18.5	6.2	2.367.0	7,992.2	12.6	12.2	30
31					2.353.4	6,450.4	38.9	4.4					2.367.0	7,992.2	12.6	11.9	31
TOTAL			9,713.5	6,839.0			1,640.6	808.8			761.2	159.4			451.2	212.2	
Inf. Ac. Ft.			17283.0				3254.1				1509.8				894.9	24268.9	
Outf. Ac. Ft.			13565.0+ (8.9)				1604.2 + (25.2)				316.2 + (59.7)				420.9 + (66.2)	16331.4+(252.4)	
Maximum Mean Daily Inflow			3478.8				80.3				35.8				19.6	3478.6	
Minimum Mean Daily Inflow			7.8				38.9				18.5				12.6	0.3	
Storage Change			+ 3709.0				+ 1624.9				+ 1134.0				+ 407.8	+ 7525.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2367.0	feet	on	VARIOUS DAYS	Storage	7992.2	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	2202.2	feet	on	11/6/61	Storage	34.0	Acre Feet	J.C. BARR	Dam Tender	Gage Hts. copied	RAP RB TS
Max. Peak Inf.	7011.	C.F.S. from	1:15 P.M.	on 2/11/62	to	1:30 P.M.	on 2/11/62	E.K. DE VORE	Hydrographer	Storage applied	RAP RB TS
Max. Peak Outf.	2266.	C.F.S. from	3:35 P.M.	on 2/11/62	to	8:10 P.M.	on 2/11/62		Hydrographer	Inf. & Outf. comp.	RAP RB TS

REMARKS ( ) INDICATES EVAPORATION LOSSES.
< INDICATES AVERAGE FOR PERIOD.

74D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1962

Or

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,445.6 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of October 1958 Gage Heights Read daily

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	2366.9	7980.0	10.8	11.9	2363.7	7596.1	6.1	24.0	2349.4	6031.4	4.3	33.0	2329.2	4163.5	2.6	30.0	1
2	2366.9	7980.0	10.8	11.9	2363.3	7549.3	6.1	24.0	2348.8	5969.8	4.2	33.0	2328.5	4106.2	2.6	30.0	2
3	2366.8	7967.8	10.8	11.9	2363.0	7514.2	6.0	24.0	2348.2	5908.5	4.2	33.0	2327.8	4049.4	2.6	30.0	3
4	2366.8	7967.8	10.7	11.9	2362.7	7479.5	6.0	24.0	2347.6	5847.7	4.2	33.0	2327.0	3985.1	2.6	34.0	4
5	2366.8	7967.8	10.7	11.8	2362.3	7433.3	6.0	24.0	2347.0	5787.0	4.2	33.0	2326.0	3905.7	2.6	41.0	5
6	2366.7	7955.6	9.8	11.9	2362.0	7398.6	5.2	23.0	2346.4	5727.0	4.2	33.0	2325.0	3827.2	2.6	41.0	6
7	2366.7	7955.6	9.8	11.9	2361.7	7364.3	5.2	23.0	2345.8	5667.2	4.2	33.0	2324.0	3749.5	2.6	41.0	7
8	2366.7	7955.6	9.8	11.9	2361.3	7318.5	5.2	23.0	2345.2	5607.8	4.2	33.0	2322.9	3665.2	2.6	41.0	8
9	2366.6	7943.4	9.8	11.9	2361.0	7284.2	5.2	23.0	2344.6	5548.8	4.2	33.0	2321.9	3589.5	2.6	40.0	9
10	2366.5	7931.2	9.7	11.9	2360.6	7239.0	5.2	23.0	2344.0	5490.0	4.2	33.0	2320.9	3514.8	2.6	40.0	10
11	2366.5	7931.2	9.7	11.9	2360.3	7205.0	5.1	23.0	2343.4	5431.9	3.0	33.0	2319.9	3441.1	2.6	39.0	11
12	2366.4	7918.9	9.7	12.0	2360.0	7171.1	5.1	23.0	2342.8	5374.0	3.0	33.0	2318.8	3361.3	2.6	38.0	12
13	2366.3	7906.7	9.7	12.9	2359.6	7126.3	5.1	24.0	2342.1	5307.0	3.0	33.0	2317.8	3289.9	2.6	38.0	13
14	2366.3	7906.7	9.7	12.9	2359.2	7081.6	5.1	33.0	2341.5	5250.0	3.0	33.0	2316.7	3212.5	2.6	40.0	14
15	2366.2	7894.5	9.7	12.9	2358.7	7025.9	5.1	32.0	2340.9	5193.3	3.0	33.0	2315.5	3129.6	2.6	44.0	15
16	2366.2	7894.5	9.4	12.9	2358.1	6959.4	5.1	35.0	2340.2	5127.8	3.0	31.0	2314.3	3048.1	2.6	43.0	16
17	2366.1	7882.3	9.4	12.9	2357.7	6915.3	5.1	27.0	2339.6	5072.1	3.0	33.0	2313.1	2968.2	2.6	43.0	17
18	2366.0	7870.1	9.4	12.6	2357.2	6860.4	5.1	26.0	2338.9	5007.3	3.0	32.0	2311.9	2889.9	2.6	43.0	18
19	2365.9	7858.1	9.4	12.6	2356.8	6816.6	5.1	28.0	2338.2	4943.2	3.0	33.0	2310.6	2806.5	2.6	42.0	19
20	2365.8	7846.0	9.4	12.6	2356.2	6751.3	5.1	33.0	2337.5	4879.6	3.0	33.0	2309.3	2724.6	2.6	42.0	20
21	2365.7	7834.0	7.6	12.6	2355.7	6697.1	5.1	33.0	2336.8	4816.5	3.0	32.0	2308.0	2644.0	2.6	42.0	21
22	2365.6	7822.0	7.6	12.6	2355.1	6632.2	5.1	33.0	2336.1	4753.9	3.0	32.0	2306.7	2564.8	2.6	41.0	22
23	2365.5	7810.0	7.6	12.6	2354.6	6578.5	5.0	33.0	2335.4	4691.9	3.0	32.0	2305.4	2486.6	2.6	41.0	23
24	2365.4	7797.9	7.6	12.6	2354.0	6514.2	5.0	33.0	2334.8	4639.0	3.0	32.0	2304.1	2409.7	2.6	42.0	24
25	2365.2	7773.9	7.6	12.6	2353.5	6461.0	5.0	34.0	2334.1	4577.8	3.0	32.0	2302.7	2328.6	2.6	42.0	25
26	2365.1	7761.8	7.6	12.6	2352.9	6397.2	5.0	34.0	2333.4	4517.3	3.0	32.0	2301.4	2254.9	2.5	42.0	26
27	2364.9	7737.9	7.6	15.9	2352.3	6333.9	5.0	34.0	2332.7	4457.1	3.0	32.0	2300.0	2177.4	2.5	41.0	27
28	2364.6	7702.4	7.6	25.0	2351.7	6270.7	5.0	33.0	2332.0	4397.3	3.0	31.0	2298.5	2096.9	2.5	41.0	28
29	2364.3	7666.8	7.6	24.0	2351.1	6207.8	5.0	33.0	2331.3	4338.2	3.0	30.0	2297.1	2023.6	2.5	41.0	29
30	2364.0	7631.2	7.6	24.0	2350.6	6155.7	5.0	33.0	2330.6	4279.5	3.0	29.0	2295.7	1952.5	2.5	41.0	30
31					2350.0	6093.3	5.0	33.0	2329.9	4221.2	2.9	30.0					31
TOTAL			274.2	409.7			162.4	885.0			105.0	1002.0			77.5	1194.0	
Inf. Ac. Ft.			543.3				322.1				208.3				153.7	25498.9	
Outf. Ac. Ft.			812.6 + (92.2)				1755.4 + (104.7)				1987.4 + (93.0)				2368.3 + (54.1)	23251 + (596.4)	
Maximum Mean Daily Inflow			10.8				6.1				4.3				2.6	3478.6	
Minimum Mean Daily Inflow			7.6				5.0				2.9				2.5	0.3	
Storage Change		- 361.0				- 1537.9				- 1872.1				- 2268.7		+ 1485.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

										RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Max. W. S. Elev.	2367.0	feet	on	VARIOUS DAYS	Storage	7992.2	Acre Feet			J.C. BARR	Dam Tender	Gage Hts. copied	RAP	TS
Min. W. S. Elev.	2202.2	feet	on	11/6/61	Storage	34.0	Acre Feet			E.K. DE VORE	Hydrographer	Storage applied	RAP	TS
Max. Peak Inf.	7011.	C.F.S. from	1:15 P.M.	on	2/11/62	to	1:30 P.M.	on	2/11/62		Hydrographer	Inf. & Outf. comp.	RAP	TS
Max. Peak Outf.	2266.	C.F.S. from	3:35 P.M.	on	2/11/62	to	8:10 P.M.	on	2/11/62					

REMARKS ( ) INDICATES EVAPORATION LOSSES
(INDICATES AVERAGE FOR PERIOD

74D138N-68B Clb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1963

Or

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228. 10,445.6 Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 1962 October 1958 Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	2294.2	1878.2	2.7	41.0	2240.0	242.4	2.1	.2	2246.4	347.5	2.0	.2	2252.2	380.0	2.1	.2	1
2	2292.5	1796.4	2.7	42.0	2240.2	245.5	2.1	.2	2246.6	351.1	2.0	.2	2252.4	384.0	2.1	.2	2
3	2290.8	1716.9	2.7	43.0	2240.4	248.5	2.1	.2	2246.8	354.6	2.0	.2	2252.5	386.0	2.1	.2	3
4	2289.1	1639.7	2.7	42.0	2240.7	253.1	2.1	.2	2247.0	358.1	2.0	.2	2252.7	389.9	2.1	.2	4
5	2287.2	1556.1	2.7	44.0	2240.9	256.2	2.1	.2	2247.2	361.7	2.0	.2	2252.9	393.8	2.1	.2	5
6	2285.2	1471.0	2.7	47.0	2241.1	259.3	2.1	.2	2247.5	367.1	2.0	.2	2253.1	397.8	2.0	.2	6
7	2283.0	1380.7	2.7	47.0	2241.3	262.4	2.1	.2	2247.6	368.9	2.0	.2	2253.2	399.8	2.0	.2	7
8	2280.6	1294.0	2.7	46.0	2241.6	267.2	2.1	.2	2247.8	372.5	2.0	.2	2253.4	403.8	2.0	.2	8
9	2278.5	1207.1	2.7	46.0	2241.8	270.3	2.1	.2	2248.0	376.1	2.0	.2	2253.6	407.8	2.0	.2	9
10	2276.2	1123.6	2.7	46.0	2242.0	273.5	2.1	.2	2248.2	379.8	2.0	.2	2253.8	411.8	2.0	.2	10
11	2273.8	1040.4	2.7	45.0	2242.2	276.7	2.1	.1	2248.4	383.5	2.0	.2	2254.0	415.8	2.0	.2	11
12	2271.2	953.9	2.7	45.0	2242.4	280.0	2.1	.1	2248.6	387.1	2.0	.2	2254.1	417.8	2.0	.2	12
13	2268.6	872.5	2.7	44.0	2242.6	283.2	2.1	.1	2248.7	389.0	2.0	.2	2254.3	421.9	2.0	.2	13
14	2265.9	793.1	2.7	44.0	2242.8	286.5	2.1	.1	2248.9	392.7	2.0	.2	2254.4	424.0	2.0	.2	14
15	2263.0	712.6	2.8	43.0	2243.1	291.4	2.1	.2	2249.1	396.4	2.0	.2	2254.6	428.0	2.0	.2	15
16	2260.4	645.0	2.8	37.0	2243.3	294.7	2.1	.2	2249.3	400.1	2.0	.2	2254.8	432.1	2.0	.2	16
17	2257.1	564.3	2.8	42.0	2243.5	298.0	2.1	.2	2249.5	329.0	2.0	.2	2254.9	434.2	2.0	.2	17
18	2253.7	487.2	2.8	42.0	2243.7	301.3	2.1	.3	2249.7	332.6	2.0	.2	2255.1	438.3	2.0	.2	18
19	2250.0	413.3	2.8	41.0	2243.9	304.6	2.1	.2	2249.9	336.3	2.0	.2	2255.3	442.5	2.0	.2	19
20	2246.0	340.5	2.6	40.0	2244.2	309.7	2.1	.2	2250.1	340.0	2.1	.2	2255.4	444.6	2.0	.2	20
21	2241.3	262.4	2.6	39.0	2244.4	313.1	2.0	.2	2250.2	341.9	2.1	.2	2255.6	448.7	2.0	.2	21
22	2237.1	204.3	2.6	29.0	2244.6	316.4	2.0	.2	2250.4	345.6	2.1	.2	2255.7	450.8	2.0	.2	22
23	2237.4	208.0	2.3	.2	2244.8	319.8	2.0	.2	2250.6	349.4	2.1	.2	2255.9	455.0	2.0	.2	23
24	2237.8	212.9	2.2	.2	2245.0	323.2	2.0	.2	2250.8	353.1	2.1	.2	2256.0	457.1	2.0	.2	24
25	2238.1	216.6	2.2	.2	2245.2	326.7	2.0	.2	2251.0	356.9	2.1	.2	2256.2	461.4	2.0	.2	25
26	2238.4	220.5	2.2	.2	2245.4	330.1	2.0	.2	2251.1	358.8	2.1	.2	2256.4	465.7	2.0	.2	26
27	2238.7	224.4	2.2	.2	2245.6	333.6	2.0	.2	2251.3	362.7	2.1	.2	2256.5	467.8	2.0	.2	27
28	2239.0	228.3	2.2	.2	2245.8	337.0	2.0	.2	2251.5	366.5	2.1	.2	2256.7	472.2	2.0	.3	28
29	2239.2	231.1	2.2	.2	2246.0	340.5	2.0	.2	2251.6	368.4	2.1	.2	2256.8	474.3	2.0	.3	29
30	2239.5	235.4	2.2	.2	2246.2	344.0	2.0	.2	2251.8	372.3	2.1	.2	2257.0	478.6	2.0	.3	30
31	2239.7	2382	2.2	.2					2252.0	376.1	2.1	.2	2257.5	489.6	2.0	.3	31
TOTAL			80.1	936.8			62.0	5.7			63.2	6.2			66.3	6.6	
Inf. Ac. Ft.			158.9				123.0				125.4				131.5	538.8	
Outf. Ac. Ft.			1858.1 + (15.1)				11.3 + (6.0)				12.3 + (6.1)				13.1 + (5.0)	1854.8 + (32.2)	
Maximum Mean Daily Inflow			2.8				2.1				2.1				5.8	5.8	
Minimum Mean Daily Inflow			2.2				2.0				2.0				2.0	2.0	
Storage Change		- 1714.3				+ 105.8				+ 32.1 2/				+ 113.5		1462.9 2/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

										RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Max. W. S. Elev.	2305.3	feet	on	5/13/63	Storage	2374.8	Acre Feet			H.E. WILSON	Dam Tender	Gage Hts. copied	RAP	AJF 1/28/64
Min. W. S. Elev.	2230.0	feet	on	7/29/63	Storage	88.4	Acre Feet				Hydrographer	Storage applied	RAP	AJF
Max. Peak Inf.	1017.	C.F.S. from	9:45 P.M.	on	2/9/63	to	10:00 P.M.	on	2/9/63	E.K. DE VORE	Hydrographer			
Max. Peak Outf.	53.1	C.F.S. from	9:40 A.M.	on	10/16/62	to	10:15 A.M.	on	10/16/62		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS (INDICATES AVERAGE FOR PERIOD. 1/ CHANGE TO STORAGE TABLE XII. 74.9 A.F. LOSS DUE TO SILTATION.
( ) INDICATES EVAPORATION LOSSES. 2/ ADDITIONAL 74.9 A.F. LOSS PREVIOUSLY NOTED.

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork On for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,228 Ac. Ft. at Spillway Elev. 2,385.0 Ft. as of November 19 62 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	2.257	498.5	4.9	e	2.288.0	1,491.4	5.2	e	2.295.9	1,862.8	11.4	9	2.303.3	2.259.8	6.7	e	1
2	2.258.2	505.2	3.8	e	2.288.2	1,500.3	5.2	e	2.296.1	1,872.9	6.6	9	2.303.5	2.271.2	6.7	9	2
3	2.258.4	509.8	2.6	e	2.288.4	1,509.2	5.2	e	2.296.4	1,888.1	6.6	9	2.303.7	2.282.6	6.7	1.0	3
4	2.258.6	514.3	2.7	e	2.288.6	1,518.2	5.2	e	2.296.6	1,898.2	6.6	9	2.303.9	2.294.0	6.7	1.0	4
5	2.258.8	518.9	2.5	e	2.288.8	1,527.1	5.2	e	2.296.8	1,908.4	6.6	1.0	2.304.1	2.305.5	6.7	1.0	5
6	2.259.0	523.4	2.4	e	2.289.0	1,536.0	5.2	e	2.297.1	1,923.7	6.8	1.0	2.304.3	2.317.0	6.7	1.0	6
7	2.259.1	525.7	2.4	e	2.289.2	1,545.0	5.2	e	2.297.3	1,934.0	6.6	1.0	2.304.4	2.322.7	6.7	1.0	7
8	2.259.3	530.4	2.4	e	2.289.4	1,554.1	5.2	e	2.297.5	1,944.4	6.8	9	2.304.6	2.334.3	6.7	1.0	8
9	2.270.5	832.8	152.8	e	2.289.6	1,563.1	5.2	e	2.297.7	1,954.7	6.7	9	2.304.8	2.345.8	6.7	e	9
10	2.278.7	1,111.1	140.9	e	2.289.7	1,567.6	5.2	e	2.297.9	1,965.0	6.7	1.0	2.304.9	2.351.5	6.7	e	10
11	2.280.4	1,176.0	33.7	e	2.289.9	1,576.7	5.2	.7	2.298.1	1,975.5	6.7	9	2.305.1	2.363.2	6.7	.7	11
12	2.281.4	1,215.1	20.5	.7	2.290.1	1,585.8	5.2	.7	2.298.2	1,980.7	6.7	9	2.305.2	2.369.0	6.6	.7	12
13	2.282.1	1,242.9	14.7	.7	2.290.3	1,595.0	5.2	.7	2.298.4	1,991.3	6.7	9	2.305.1	2.363.2	5.7	10.4	13
14	2.282.9	1,275.3	17.0	.7	2.290.4	1,599.6	5.1	.7	2.298.7	2,007.1	8.9	9	2.304.7	2.340.0	5.7	16.4	14
15	2.283.6	1,299.6	13.2	e	2.290.6	1,608.8	5.7	.7	2.298.9	2,017.6	6.5	9	2.304.3	2.317.0	5.7	16.4	15
16	2.284.0	1,320.3	11.1	e	2.290.9	1,622.6	7.7	.7	2.299.1	2,028.3	6.1	9	2.303.9	2.294.0	5.6	16.4	16
17	2.284.5	1,341.2	11.2	e	2.291.2	1,636.5	7.8	e	2.299.3	2,039.1	6.0	9	2.303.5	2.271.2	5.6	16.4	17
18	2.284.9	1,357.9	9.3	e	2.291.5	1,650.5	8.0	9	2.299.5	2,049.8	6.0	9	2.303.1	2.248.4	5.6	16.4	18
19	2.285.3	1,374.8	9.3	e	2.291.8	1,664.5	8.0	e	2.299.6	2,055.1	6.0	9	2.302.7	2.225.8	5.6	16.0	19
20	2.285.6	1,387.5	7.0	e	2.292.1	1,678.5	8.2	.7	2.300.0	2,076.6	12.1	1.0	2.302.3	2.203.4	5.6	16.0	20
21	2.285.9	1,400.3	7.0	e	2.292.4	1,692.8	8.3	.7	2.300.4	2,098.4	12.1	1.0	2.301.9	2.181.0	4.4	15.6	21
22	2.286.2	1,413.1	7.0	e	2.292.7	1,707.0	8.1	.7	2.300.7	2,114.6	9.6	1.0	2.301.5	2.158.8	4.4	15.6	22
23	2.286.5	1,426.0	7.0	e	2.293.1	1,726.0	10.5	.7	2.300.9	2,125.6	6.8	1.0	2.301.0	2.131.1	4.4	15.6	23
24	2.286.8	1,439.0	7.0	e	2.293.4	1,740.4	8.2	e	2.301.1	2,136.6	7.0	9	2.300.6	2.109.3	4.4	15.6	24
25	2.287.1	1,452.0	7.0	e	2.293.7	1,754.9	8.6	e	2.301.4	2,153.3	9.6	9	2.300.2	2.087.5	4.4	15.6	25
26	2.287.3	1,460.7	7.0	e	2.293.9	1,764.5	5.9	e	2.301.9	2,181.0	15.0	9	2.299.7	2.060.5	4.4	16.0	26
27	2.287.5	1,469.5	7.0	.7	2.294.1	1,774.2	6.5	9	2.302.2	2,197.7	9.1	9	2.299.3	2.039.1	4.4	15.6	27
28	2.287.6	1,482.6	7.0	.7	2.294.6	1,798.6	13.2	9	2.302.5	2,214.6	9.0	9	2.298.6	2.012.4	4.4	18.3	28
29					2.294.9	1,813.2	8.6	9	2.302.8	2,231.5	9.0	e	2.298.2	1,980.7	4.4	19.9	29
30					2.295.2	1,828.0	8.6	9	2.303.0	2,242.7	9.0	e	2.297.6	1,949.5	4.4	19.9	30
31					2.295.5	1,843.0	8.7	e					2.297.0	1,918.5	4.4	19.9	31
TOTAL			520.6	15.1			213.3	22.4			240.5	27.6			173.6	322.7	
Inf. Ac. Ft.			1032.6				423.1				477.0				344.7	2816.0	
Outf. Ac. Ft.			30.0 + (9.7)				44.4 + (18.2)				54.7 + (22.6)				640.1 + (29.0)	2664.0 + (111.7)	
Maximum Mean Daily Inflow			152.8				13.2				12.1				6.7	152.8	
Minimum Mean Daily Inflow			2.4				5.1				6.0				4.4	2.0	
Storage Change			+ 993.0				+ 360.4				+ 399.7				- 324.2	- 34.0 2/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2305.3	feet on	5/13/63	Storage	2374.8	Acre Feet		
Min. W. S. Elev.	2230.0	feet on	7/29/63	Storage	88.4	Acre Feet		
Max. Peak Inf.	1017.	C.F.S. from	9:45 P.M. on	2/9/63	to	10:00 P.M. on	2/9/63	
Max. Peak Outf.	53.1	C.F.S. from	9:40 A.M. on	10/16/62	to	10:15 A.M. on	10/16/62	

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
H.E. WILSON	Dam Tender	Gage Hts. copied	RAP AJF	1/29/64
E.K. DE VORE	Hydrographer	Storage applied	RAP AJF	
	Hydrographer	Inf. & Outf. comp.	RAP AJF	

REMARKS
( ) INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES. 2/ ADDITIONAL 74.9 A.F. LOSS AS PREVIOUSLY NOTED.

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam

In San Gabriel Canyon - West Fork On for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Stevens A-35

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10228. Ac. Ft. at Spillway Elev. 2385.0 Ft. as of November 19 62 Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2.296.3	1,883.0	4.2	19.9	2.274.7	968.7	1.6	16.4	2.231.0	95.2	1.0	.1	2.233.6	114.7	.7	e	1
2	2.295.7	1,852.9	4.2	19.9	2.273.7	935.1	1.6	16.4	2.231.3	97.4	1.0	.1	2.233.6	114.7	.7	e	2
3	2.295.1	1,823.1	4.2	19.9	2.272.8	905.6	1.6	16.4	2.231.5	98.6	1.0	.1	2.233.6	114.7	.7	e	3
4	2.294.4	1,788.8	4.2	19.9	2.271.9	876.6	1.6	16.0	2.231.7	100.2	1.0	.1	2.233.9	117.1	1.5	2	4
5	2.293.8	1,759.7	4.2	19.9	2.270.9	845.1	1.6	16.0	2.231.9	101.7	1.0	.1	2.234.1	118.7	1.0	.1	5
6	2.293.1	1,726.0	4.2	19.9	2.269.9	814.4	1.6	16.0	2.232.1	103.2	.8	.1	2.234.2	119.6	.7	.1	6
7	2.292.4	1,692.8	4.2	19.9	2.268.9	784.2	1.6	16.4	2.232.3	104.7	.9	.1	2.234.3	120.4	.7	.1	7
8	2.291.8	1,664.5	4.2	19.9	2.267.9	754.8	1.6	17.3	2.232.5	106.2	.8	.1	2.234.4	121.2	.7	.1	8
9	2.291.1	1,631.9	4.2	19.9	2.266.8	723.3	1.6	16.8	2.232.7	107.7	.9	.1	2.234.5	122.0	.6	.1	9
10	2.290.4	1,599.6	4.1	19.9	2.265.7	692.7	1.6	16.8	2.232.9	109.2	.8	.1	2.234.6	122.9	.6	.1	10
11	2.289.7	1,567.6	3.5	19.4	2.264.6	663.0	1.6	16.8	2.233.0	110.0	.8	.1	2.234.7	123.7	.6	.1	11
12	2.289.1	1,540.5	3.4	19.4	2.263.4	631.4	1.6	16.8	2.233.2	111.6	.8	.1	2.234.8	124.5	.6	.1	12
13	2.288.5	1,513.7	3.4	17.6	2.262.2	600.7	1.6	16.8	2.233.2	111.6	.8	.2	2.234.9	125.4	.6	.1	13
14	2.287.8	1,482.6	3.4	19.0	2.260.9	568.5	1.6	16.8	2.233.2	111.6	.8	.6	2.235.0	126.2	.6	.1	14
15	2.287.1	1,452.0	3.4	18.5	2.259.6	537.4	1.6	16.4	2.233.2	111.6	.8	.8	2.235.1	127.1	.6	.1	15
16	2.286.4	1,421.7	3.4	18.1	2.258.0	500.7	1.6	19.4	2.233.3	112.4	.8	.5	2.235.2	128.0	.6	.1	16
17	2.285.7	1,391.8	3.4	17.6	2.256.4	465.7	1.6	19.4	2.233.4	113.2	.8	.1	2.235.4	129.8	1.0	.1	17
18	2.285.0	1,362.1	3.4	17.6	2.254.7	430.1	1.6	19.4	2.233.5	114.0	.8	.2	2.236.0	135.1	2.8	.1	18
19	2.284.3	1,332.8	3.4	17.2	2.253.0	395.8	1.6	19.4	2.233.5	114.0	.8	.6	2.236.3	138.0	1.5	.1	19
20	2.283.5	1,299.8	3.4	17.2	2.251.3	362.7	1.6	19.4	2.233.5	114.0	.8	.6	2.236.5	139.6	1.2	.1	20
21	2.282.8	1,271.2	2.3	17.2	2.249.5	329.0	1.6	19.4	2.233.5	114.0	.8	.7	2.236.6	140.6	.7	.1	21
22	2.282.1	1,242.9	2.3	17.2	2.247.6	295.1	1.6	19.0	2.233.6	114.7	.8	.7	2.236.7	141.6	.7	.1	22
23	2.281.3	1,211.2	2.3	17.2	2.245.6	261.6	1.6	19.0	2.233.5	114.0	.8	.8	2.236.8	142.7	.7	.1	23
24	2.280.5	1,179.8	2.3	17.2	2.243.5	229.2	1.7	18.5	2.233.5	114.0	.7	.8	2.236.9	143.6	.7	.1	24
25	2.279.7	1,149.0	2.3	16.8	2.241.2	195.5	1.7	18.1	2.233.5	114.0	.7	.7	2.237.0	144.6	.7	.1	25
26	2.278.9	1,118.6	2.3	16.8	2.238.6	161.9	1.7	18.1	2.233.5	114.0	.7	.8	2.237.1	145.6	.6	.1	26
27	2.278.1	1,088.8	2.2	16.8	2.235.6	131.5	1.7	17.6	2.233.5	114.0	.7	.5	2.237.2	145.7	.6	.1	27
28	2.277.3	1,059.7	2.2	16.8	2.232.2	103.9	1.7	17.2	2.233.6+	114.7	.7	.5	2.237.3	147.7	.6	.1	28
29	2.276.4	1,027.5	2.2	16.8	2.230.2	89.8	1.7	9.6	2.233.6	114.7	.7	.3	2.237.4	148.6	.6	.1	29
30	2.275.6	999.5	2.2	16.8	2.230.5	91.6	1.7	.1	2.233.6	114.7	.7	.7	2.237.4	148.6	.6	.1	30
31					2.230.6	93.6	1.7	.1	2.233.6	114.7	.7	.6					31
TOTAL			98.6	550.2			55.0	501.6			25.4	11.7			24.5	4.6	
Inf. Ac. Ft.			195.6				109.1				50.4				48.6	3219.7	
Outf. Ac. Ft.			1091.3 + (23.2)				995.3 + (19.4)				23.2 + (6.3)				9.1 + (5.4)	4782.9 + (166.0)	
Maximum Mean Daily Inflow			4.2				1.8				1.0				2.8	152.8	
Minimum Mean Daily Inflow			2.2				1.7				0.7				0.6	0.6	
Storage Change			- 919.0				- 905.7				+ 20.9				+ 34.1	- 1803.7 2/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	2305.3	feet on	5/13/63	Storage	2374.8	Acre Feet		
Min. W. S. Elev.	2330.0	feet on	7/29/63	Storage	88.4	Acre Feet		
Max. Peak Inf.	1017.	C.F.S. from	9:45 P.M. on	2/9/63	to	10:00 P.M. on	2/9/63	
Max. Peak Outf.	53.1	C.F.S. from	9:40 A.M. on	10/16/62	to	10:15 A.M. on	10/16/62	

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
H.E. WILSON	Dam Tender	Gage Hts. copied	RAP AJF	1/29/64
E.K. DE VORE	Hydrographer	Storage applied	RAP AJF	
	Hydrographer	Inf. & Outf. comp.	RAP AJF	

REMARKS
( ) INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES. 2/ ADDITIONAL 74.9 A.F. LOSS AS PREVIOUSLY NOTED.

76D138N-688 Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44,366. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of September 1961 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	1.269.70	31.3	4.8	5.2	1.291.31	567.6	5.9	0	1.306.07	1.353.0	20.4	10.8	1.330.89	3.870.0	24.7	10.1	1
2	1.269.60	30.0	4.6	5.2	1.291.57	578.9	6.9	1.1	1.322.97	2.899.0	784.6	5.1	1.331.10	3.899.0	25.4	10.1	2
3	1.269.45	28.4	4.7	5.4	1.291.78	587.9	5.1	.4	1.326.70	3.334.0	219.7	.1	1.331.12	3.901.0	25.0	23.4	3
4	1.269.25	26.5	4.5	5.4	1.292.00	597.3	5.5	.4	1.328.67	3.580.0	124.8	.1	1.331.01	3.886.0	23.1	29.9	4
5	1.269.80	23.4	5.9	7.3	1.292.19	605.5	5.1	.4	1.329.50	3.687.0	54.7	.1	1.330.91	3.873.0	24.2	29.9	5
6	1.270.80	31.3	4.2	.2	1.292.70	627.7	11.9	.1	1.330.23	3.783.0	58.5	9.3	1.330.79	3.857.0	22.5	29.9	6
7	1.271.65	39.6	4.5	.2	1.292.95	638.5	5.9	.1	1.330.43	3.809.0	48.1	34.2	1.330.67	3.841.0	22.5	29.9	7
8	1.272.38	47.8	4.5	.2	1.293.25	651.8	7.0	0	1.330.41	3.807.0	45.0	45.5	1.330.57	3.828.0	24.3	30.2	8
9	1.273.02	55.7	4.2	.2	1.293.48	662.0	5.5	.1	1.330.37	3.801.0	42.7	45.5	1.330.46	3.813.0	23.7	30.4	9
10	1.273.65	64.6	4.8	.2	1.293.71	672.2	5.4	0	1.330.30	3.792.0	41.3	45.5	1.330.36	3.800.0	24.7	30.4	10
11	1.274.28	74.1	5.2	.2	1.293.97	683.7	6.1	.1	1.330.13	3.769.0	36.9	47.9	1.330.26	3.787.0	24.8	30.4	11
12	1.274.62	82.7	4.8	.2	1.294.21	694.6	5.9	0	1.330.00	3.752.0	37.6	45.6	1.330.18	3.776.0	25.1	30.4	12
13	1.275.29	90.7	4.6	.1	1.294.39	702.6	4.7	.1	1.329.85	3.732.0	35.8	45.6	1.330.15	3.772.0	29.3	30.4	13
14	1.275.68	97.6	3.9	.1	1.294.61	712.8	5.4	0	1.329.74	3.718.0	38.3	45.2	1.330.03	3.756.0	22.8	30.1	14
15	1.276.04	103.9	3.4	.1	1.294.85	723.6	5.8	.1	1.329.58	3.697.0	34.8	45.0	1.329.95	3.746.0	25.6	29.9	15
16	1.276.42	111.1	4.0	.1	1.295.10	735.3	6.0	0	1.329.39	3.673.0	33.3	45.0	1.329.85	3.732.0	23.8	30.3	16
17	1.276.80	118.2	3.9	.1	1.295.37	747.8	6.7	.1	1.329.17	3.644.0	30.7	45.1	1.329.73	3.717.0	23.5	30.5	17
18	1.277.18	125.5	3.8	.1	1.295.63	760.0	6.6	.1	1.328.97	3.618.0	29.8	42.7	1.329.62	3.703.0	23.8	30.5	18
19	1.277.60	133.6	4.4	.1	1.295.92	773.5	7.1	.1	1.328.81	3.598.0	30.3	40.1	1.329.50	3.687.0	22.5	30.5	19
20	1.278.02	142.1	4.4	.1	1.299.12	932.6	80.4	.1	1.328.63	3.575.0	28.9	40.1	1.332.42	4.079.0	228.1	30.5	20
21	1.278.50	152.1	5.2	.1	1.300.21	991.1	30.0	.1	1.328.44	3.550.0	27.9	40.0	1.333.33	4.207.0	95.0	30.5	21
22	1.279.00	162.4	5.5	.1	1.300.84	1.026.0	18.0	.1	1.328.54	3.563.0	29.7	22.4	1.333.96	4.296.0	75.6	30.7	22
23	1.279.52	173.7	6.0	.1	1.301.38	1.057.0	16.0	.1	1.328.77	3.593.0	25.7	10.0	1.334.43	4.365.0	66.5	30.7	23
24	1.280.02	184.6	5.7	0	1.301.78	1.079.0	12.6	1.5	1.329.03	3.626.0	27.4	10.0	1.334.59	4.388.0	56.0	43.8	24
25	1.280.50	195.6	5.6	.1	1.303.16	1.163.0	45.5	3.1	1.329.30	3.661.0	28.2	10.0	1.334.59	4.388.0	50.6	50.2	25
26	1.280.95	205.9	5.5	.1	1.304.11	1.222.0	33.0	3.1	1.329.55	3.694.0	27.3	10.0	1.334.54	4.381.0	47.3	50.3	26
27	1.281.40	216.9	5.7	.1	1.304.79	1.266.0	23.6	1.1	1.329.80	3.726.0	27.0	10.0	1.334.45	4.368.0	44.7	50.3	27
28	1.281.91	229.4	6.8	.1	1.305.37	1.305.0	20.1	.1	1.330.05	3.759.0	27.2	10.0	1.334.38	4.357.0	45.8	50.3	28
29	1.282.35	241.4	6.5	.1	1.305.62	1.322.0	15.9	7.3	1.330.25	3.785.0	23.8	10.0	1.334.29	4.344.0	44.7	50.4	29
30	1.288.80	464.1	129.0	0	1.305.80	1.334.0	17.0	10.6	1.330.47	3.815.0	25.9	10.0	1.334.22	4.334.0	46.3	50.4	30
31	1.291.04	556.3	57.3	.1					1.330.68	3.842.0	24.3	10.0	1.334.16	4.325.0	46.8	50.4	31
TOTAL			328.0	31.6			430.6	30.6			2.070.6	790.9			1.308.7	1.045.7	
Inf. Ac. Ft.			650.6				854.1				4107.0				2595.8	8207.5	
Outf. Ac. Ft.			62.7 + (63.8) 1/				60.7 + (15.7)				1568.7 + (30.1)			2074.1 + (38.7)		3766.2 + (148.3)	
Maximum Mean Daily Inflow			129.0				80.4				784.6				228.1	784.6	
Minimum Mean Daily Inflow			3.4				4.7				20.4				22.5	3.4	
Storage Change		+ 524.1				+ 777.7				+ 2508				+ 483.		+ 4292.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1422.91	feet	on	6/17/62	Storage	29860.	Acre Feet				
Min. W. S. Elev.	1269.25	feet	on	10/4/61	Storage	26.5	Acre Feet				
Max. Peak Inf.	13960.	C.F.S. from	3:00 P.M.	on	2/11/62	to	3:15 P.M.	on	2/11/62		
Max. Peak Outf.	1980.	C.F.S. from	9:30 A.M.	on	2/15/62	to	12:00 NOON	on	2/16/62		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	RAP	TS
E.K. DE VORE	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION LOSSES.

1/ 53.5 A.F. LOSS DUE TO PERCOLATION AND BANK STORAGE INCLUDED.

76D138N-688 Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 44,366. Ac. Ft. at Spillway Elev. 1453.0 Ft. as of September 1961 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	1.334.10	4317	47.2	50.4	1.402.88	22.026	523.5	669.8	1.400.53	21.194	218.7	85.3	1.417.64	27.664	147.1	82.8	1
2	1.334.02	4305	45.2	50.4	1.400.20	21.079	337.4	813.4	1.401.30	21.465	223.5	85.4	1.417.91	27.774	143.2	82.8	2
3	1.333.94	4.293	45.1	50.4	1.394.66	19.188	427.5	1379.5	1.402.06	21.733	221.7	85.5	1.418.17	27.881	142.7	83.9	3
4	1.333.86	4.282	45.4	50.4	1.388.58	17.220	409.8	1.400.0	1.402.83	22.008	225.8	85.4	1.418.43	27.987	142.4	83.9	4
5	1.333.76	4.268	43.9	50.4	1.385.09	16.134	389.6	936.6	1.403.57	22.274	222.5	85.4	1.418.68	28.090	140.1	82.6	5
6	1.333.64	4.251	42.0	50.4	1.382.58	15.375	432.0	814.2	1.404.32	22.544	226.5	85.4	1.418.92	28.188	136.8	82.8	6
7	1.333.64	4.251	50.4	50.4	1.379.98	14.608	379.4	765.2	1.405.06	22.813	224.0	85.5	1.419.18	28.296	140.9	82.9	7
8	1.338.85	5.042	449.2	50.4	1.379.45	14.455	323.8	400.0	1.405.81	23.087	226.7	85.7	1.419.37	28.375	127.7	84.1	8
9	1.349.84	7.093	1.086.0	52.0	1.385.85	14.863	292.3	85.9	1.406.58	23.370	229.6	85.7	1.419.57	28.458	128.9	83.3	9
10	1.358.89	9.099	1.076.3	64.9	1.382.10	15.232	273.4	86.2	1.407.37	23.663	236.3	85.4	1.419.77	28.541	128.5	82.9	10
11	1.399.03	20.672	6.353.1	518.4	1.383.31	15.594	270.1	86.2	1.408.06	23.920	219.7	85.3	1.419.93	28.607	120.0	82.5	11
12	1.416.28	27.111	4.522.0	1.275.6	1.384.40	15.924	254.7	86.7	1.408.72	24.167	215.0	85.3	1.420.12	28.686	126.9	82.5	12
13	1.419.05	28.242	1.755.7	1.184.4	1.385.40	16.229	242.2	86.2	1.409.37	24.412	213.9	85.3	1.420.31	28.765	124.9	82.5	13
14	1.419.10	28.262	1.286.0	1.276.0	1.386.37	16.529	239.7	86.4	1.410.00	24.651	210.3	85.4	1.420.56	28.870	137.0	81.9	14
15	1.416.91	27.367	1.330.8	1.782.0	1.387.24	16.799	228.8	90.5	1.410.61	24.884	207.0	85.5	1.420.80	28.970	131.4	79.7	15
16	1.414.41	26.364	1.226.8	1.731.0	1.387.96	17.024	222.2	107.6	1.411.18	25.102	199.6	85.8	1.421.07	29.082	136.9	78.7	16
17	1.413.84	26.138	1.092.6	1.205.0	1.388.82	17.295	223.9	86.1	1.411.73	25.315	196.1	84.9	1.421.25	29.158	121.3	80.9	17
18	1.413.83	26.134	891.0	893.0	1.389.70	17.575	226.8	85.7	1.412.28	25.528	193.4	82.9	1.421.38	29.213	113.7	82.6	18
19	1.414.54	26.415	986.5	844.9	1.390.68	17.888	224.4	66.5	1.412.81	25.734	189.8	83.0	1.421.49	29.259	108.9	82.6	19
20	1.414.52	26.407	869.4	873.4	1.391.51	18.155	221.7	86.9	1.413.33	25.938	189.9	83.1	1.421.62	29.314	113.1	82.6	20
21	1.414.11	26.245	780.5	860.7	1.392.29	18.408	214.6	86.1	1.413.81	26.126	183.1	83.1	1.421.72	29.356	108.1	82.7	21
22	1.413.40	25.965	705.5	845.1	1.393.12	18.679	224.8	87.0	1.414.24	26.296	174.7	83.1	1.421.80	29.390	104.5	82.7	22
23	1.412.37	25.563	643.2	845.1	1.393.92	18.943	220.8	85.6	1.414.63	26.451	165.6	83.2	1.421.68	29.423	103.1	82.7	23
24	1.411.07	25.060	588.6	841.5	1.394.59	19.165	200.0	85.9	1.415.03	26.610	166.2	83.2	1.421.95	29.453	100.6	82.7	24
25	1.409.48	24.454	535.1	839.4	1.395.27	19.392	203.7	86.4	1.415.48	26.790	171.6	78.7	1.422.04	29.491	104.8	82.9	25
26	1.407.78	23.815	508.7	829.1	1.395.97	19.627	207.1	85.9	1.415.90	26.958	165.8	78.4	1.422.13	29.529	104.5	82.9	26
27	1.405.62	23.090	480.8	843.4	1.396.67	19.864	206.4	85.5	1.416.28	27.111	162.5	82.7	1.422.21	29.563	101.7	82.8	27
28	1.403.70	22.320	459.4	845.2	1.397.45	20.129	220.0	85.3	1.416.67	27.269	164.5	82.7	1.422.29	29.597	102.0	82.9	28
29					1.398.25	20.403	223.8	85.3	1.417.02	27.411	153.8	79.4	1.422.34	29.618	97.0	83.9	29
30					1.399.02	20.669	221.9	85.3	1.417.35	27.546	156.3	82.8	1.422.43	29.656	104.4	82.8	30
31					1.399.78	20.933	221.1	85.3					1.422.49	29.682	99.2	82.8	31
TOTAL			27.946.4	19.853.3			8.507.6	9.163.2			5.954.1	2.518.5			3.742.3	2.560.5	
Inf. Ac. Ft.			55430.8				16874.6				11809.8				7422.7	99745.4	
Outf. Ac. Ft.			37395.9 + (40.9)				18174.9 + (86.8)				4995.4 + (201.3)			5078.7 + (208.1)		69410.2 + (685.4	
Maximum Mean Daily Inflow			6353.1				523.5				236.3				147.1	6353.1	
Minimum Mean Daily Inflow			42.0				200.0				153.8				97.0	3.4	
Storage Change		+ 17995.				-1387.				+ 6613				+ 2136.		+ 29649.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1422.91	feet	on	6/17/62	Storage	29860.	Acre Feet				
Min. W. S. Elev.	1269.25	feet	on	10/4/61	Storage	26.5	Acre Feet				
Max. Peak Inf.	13960.	C.F.S. from	3:00 P.M.	on	2/11/62	to	3:15 P.M.	on	2/11/62		
Max. Peak Outf.	1980.	C.F.S. from	9:30 A.M.	on	2/15/62	to	12:00 NOON	on	2/16/62		

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
O.R. WATKINS	Dam Tender	Gage Hts. copied	TS	RAP
E.K. DE VORE	Hydrographer	Storage applied	TS	RAP
	Hydrographer	Inf. & Outf. comp.	TS	RAP

REMARKS ( ) INDICATES EVAPORATION LOSSES

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 62

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 41,366. Ac. Ft. at Spillway Elev. 1463.0 Ft. as of September, 19 61 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	1422.54	29703	97.6	82.8	1422.08	29508	82.4	82.6	1395.68	19529	83.0	403.9	1331.56	3961.0	56.5	82.0	1
2	1422.59	29724	96.7	82.8	1422.00	29474	71.9	82.6	1393.71	18874	71.1	398.0	1331.14	3904.0	55.8	82.5	2
3	1422.65	29750	98.7	82.8	1421.94	29449	75.8	82.6	1391.73	18226	77.9	400.7	1330.66	3840.0	52.3	82.3	3
4	1422.70	29771	95.8	82.8	1421.88	29423	74.0	82.6	1389.79	17603	80.7	390.2	1330.22	3781.0	55.3	82.5	4
5	1422.76	29796	98.0	82.8	1421.81	29394	73.3	82.7	1387.96	17024	80.9	368.2	1329.86	3734.0	61.2	82.5	5
6	1422.80	29813	95.0	83.9	1421.73	29360	71.4	83.0	1386.09	16442	73.1	362.0	1329.57	3696.0	65.2	82.6	6
7	1422.84	29830	95.2	83.9	1421.67	29335	77.0	83.0	1384.21	15866	73.7	359.7	1329.25	3654.0	62.8	82.6	7
8	1422.85	29834	89.0	83.5	1421.57	29293	67.8	83.1	1382.26	15279	70.4	361.8	1328.97	3618.0	65.3	82.3	8
9	1422.86	29839	88.5	82.8	1421.49	29259	71.6	83.2	1380.27	14693	69.1	360.0	1328.68	3581.0	64.8	82.3	9
10	1422.87	29843	87.3	82.6	1421.41	29226	70.9	82.8	1377.97	14028	66.3	397.4	1328.37	3541.0	63.1	82.1	10
11	1422.87	29843	86.8	83.9	1421.32	29188	67.2	82.4	1375.07	13212	55.3	462.1	1328.03	3498.0	61.7	82.1	11
12	1422.86	29839	86.4	83.5	1421.24	29154	70.6	83.3	1372.14	12411	62.9	462.0	1327.69	3456.0	62.1	81.9	12
13	1422.85	29834	84.4	83.3	1421.19	29133	76.6	81.9	1369.15	11626	59.6	452.1	1327.34	3412.0	60.9	81.5	13
14	1422.86	29839	88.7	83.2	1421.15	29116	77.5	82.0	1365.97	10819	54.8	458.1	1327.00	3370.0	63.1	82.6	14
15	1422.88	29847	89.5	83.2	1421.12	29104	80.2	82.1	1362.49	9960	54.0	484.2	1326.70	3334.0	65.7	82.6	15
16	1422.90	29856	90.2	82.1	1421.09	29091	82.1	84.7	1359.63	9274	63.5	405.9	1326.40	3297.0	65.0	82.6	16
17	1422.89	29851	83.2	82.1	1421.02	29061	71.4	82.1	1359.45	9231	63.9	82.1	1326.07	3257.0	63.5	82.5	17
18	1422.86	29839	80.3	83.2	1420.96	29036	75.3	82.0	1359.25	9184	62.3	82.4	1325.72	3216.0	63.2	83.3	18
19	1422.81	29817	76.6	83.2	1420.88	29003	71.4	81.9	1359.02	9130	58.8	82.5	1325.35	3172.0	61.9	82.3	19
20	1422.76	29796	75.7	83.1	1420.27	28749	102.2	224.9	1358.80	9078	59.6	82.5	1325.01	3131.0	63.2	82.1	20
21	1422.71	29775	76.3	83.0	1418.13	27864	61.2	502.7	1358.57	9024	58.6	82.7	1324.66	3091.0	63.4	81.8	21
22	1422.66	29754	76.3	81.9	1415.86	26942	81.0	541.5	1358.34	8971	59.0	82.5	1324.28	3047.0	60.8	81.7	22
23	1422.58	29720	71.7	81.9	1413.51	26008	62.5	529.9	1358.10	8914	56.9	82.5	1323.89	3003.0	60.4	81.5	23
24	1422.51	29690	73.4	81.9	1411.15	25091	69.4	527.6	1357.87	8861	59.1	82.4	1323.51	2960.0	61.6	82.0	24
25	1422.42	29652	68.7	82.2	1408.73	24171	61.9	521.7	1357.61	8801	55.6	82.4	1323.12	2916.0	60.7	82.0	25
26	1422.33	29614	68.3	82.2	1406.77	23440	67.9	433.0	1357.36	8743	56.4	82.4	1322.75	2874.0	61.7	81.9	26
27	1422.25	29580	68.9	82.2	1405.04	22806	87.4	402.9	1353.96	7976	53.8	414.0	1322.42	2838.0	64.7	81.7	27
28	1422.21	29563	77.6	82.2	1403.22	22148	81.6	409.1	1348.72	6863	52.8	577.1	1322.06	2799.0	63.6	82.3	28
29	1422.17	29546	80.7	83.5	1401.35	21483	76.0	405.8	1342.97	5747	52.7	573.2	1321.71	2760.0	64.1	82.6	29
30	1422.11	29521	75.5	82.6	1399.49	20832	82.0	405.0	1336.32	4646	53.0	569.7	1321.31	2717.0	61.8	82.5	30
31					1397.58	20174	72.9	400.0	1331.96	4016	54.0	352.6					31
TOTAL			2521.0	2485.7			2314.4	6874.7			1952.8	9837.3			1855.4	2466.2	
Inf. Ac. Ft.		5000.3				4590.5				3873.3				3680.1		116889.6	
Outf. Ac. Ft.		4930.3 + (231.1)				13635.8 + (301.7)				19512.0 + (519.3) 2/				4891.6 + (87.5)		12379.9 + (1825.0	
Maximum Mean Daily Inflow		98.7				102.2				89.0				65.7		6353.1	
Minimum Mean Daily Inflow		68.3				61.2				52.7				52.3		3.4	
Storage Change		- 161.				- 9347.				- 16158. 2/				- 1299.		+ 2684.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

										RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Max. W. S. Elev.	1422.91	feet	on	6/17/62	Storage	29860.	Acre Feet			O.R. WATKINS	Dam Tender	Gage Hts. copied	TS	RAP
Min. W. S. Elev.	1269.25	feet	on	10/4/61	Storage	26.5	Acre Feet			E.K. DE VORE	Hydrographer	Storage applied	TS	RAP
Max. Peak Inf.	13960.	C.F.S. from	3:00 P.M.	on	2/11/62	to	3:15 P.M.	on	2/11/62		Hydrographer	Inf. & Outf. comp.	TS	RAP
Max. Peak Outf.	1980.	C.F.S. from	9:30 A.M.	on	2/15/62	to	12:00 NOON	on	2/16/62		Hydrographer			

REMARKS ( ) INDICATES EVAPORATION LOSSES.

2/ 300.5 A.F. LOSS DUE TO SILTATION AND PERCOLATION INCLUDED.

76D138N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642 Ac. Ft. at Spillway Elev. 1463.0 Ft. as of November 1962 Septemoer, 19 61 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	1320.69	2671	59.8	82.0	1305.08	1201	1/ 23.3	24.9	1304.21	1147	23.7	22.9	1305.10	1202	23.8	23.1	1
2	1320.48	2628	61.5	82.3	1305.00	1196	22.8	24.9	1304.25	1150	24.7	22.9	1305.11	1203	23.9	23.2	2
3	1320.12	2590	63.9	82.2	1304.95	1193	23.7	24.9	1304.30	1153	24.8	23.0	1305.14	1205	24.1	23.0	3
4	1319.83	2559	67.0	82.1	1304.89	1189	23.0	24.8	1304.32	1154	23.8	22.9	1305.17	1207	24.4	23.1	4
5	1319.67	2532	69.4	82.1	1304.83	1185	23.1	24.8	1304.33	1154	23.4	23.0	1305.21	1210	24.9	23.0	5
6	1319.35	2509	71.3	82.1	1304.76	1181	23.2	24.8	1304.36	1156	24.3	22.9	1305.22	1210	23.6	23.2	6
7	1319.13	2487	71.8	82.1	1304.68	1176	22.9	24.9	1304.39	1158	24.4	23.0	1305.25	1212	24.5	23.1	7
8	1318.90	2463	70.8	81.9	1304.59	1171	23.0	24.9	1304.42	1160	24.5	22.9	1305.26	1213	24.1	23.3	8
9	1318.60	2432	67.2	81.8	1304.50	1165	22.2	24.9	1304.43	1161	23.8	23.0	1305.33	1217	25.4	23.2	9
10	1318.29	2400	66.7	81.8	1304.44	1161	23.3	24.9	1304.43	1161	23.3	22.9	1305.39	1221	25.4	23.3	10
11	1317.98	2368	66.6	81.8	1304.36	1156	22.8	24.9	1304.45	1162	23.8	23.0	1305.44	1225	25.5	23.2	11
12	1317.65	2335	66.2	81.8	1304.27	1151	22.8	24.9	1304.47	1163	23.6	22.9	1305.47	1227	24.9	23.3	12
13	1317.30	2300	65.3	82.2	1304.21	1147	23.1	24.9	1304.49	1164	23.8	23.0	1305.49	1228	24.2	23.2	13
14	1316.96	2266	65.7	82.5	1304.18	1145	24.3	24.9	1304.50	1165	23.7	22.9	1305.53	1230	24.7	23.3	14
15	1316.66	2237	68.3	82.3	1304.15	1143	24.2	24.9	1304.52	1166	23.7	23.0	1305.58	1234	25.6	23.2	15
16	1316.21	2193	60.6	82.2	1304.14	1143	25.3	24.9	1304.55	1168	24.1	22.9	1305.63	1237	25.2	23.3	16
17	1315.78	2151	61.6	82.3	1304.07	1138	23.0	24.9	1304.58	1170	24.2	23.1	1305.67	1240	25.0	23.2	17
18	1315.42	2116	65.4	82.5	1304.03	1136	24.4	24.9	1304.60	1171	23.6	23.0	1305.72	1243	25.0	23.3	18
19	1315.06	2082	65.8	82.3	1303.97	1132	23.6	25.0	1304.63	1173	24.3	23.1	1305.74	1244	24.0	23.2	19
20	1314.65	2044	63.9	82.3	1303.95	1131	23.6	23.6	1304.65	1174	23.9	23.0	1305.77	1246	24.7	23.3	20
21	1314.14	1997	59.7	82.3	1303.94	1130	23.1	23.1	1304.67	1176	24.5	23.1	1305.80	1248	24.6	23.2	21
22	1313.60	1948	58.3	82.2	1303.95	1131	23.9	23.0	1304.71	1178	24.4	23.0	1305.81	1249	24.2	23.3	22
23	1312.45	1846	51.5	82.3	1303.97	1132	23.8	23.1	1304.73	1179	23.8	23.1	1305.83	1250	24.0	23.2	23
24	1311.11	1733	25.8	82.3	1303.99	1133	23.7	23.0	1304.80	1184	25.8	23.0	1305.86	1252	24.5	23.3	24
25	1309.69	1619	25.1	82.1	1304.03	1136	24.9	23.1	1304.82	1185	24.1	23.1	1305.87	1253	23.8	23.2	25
26	1308.18	1504	24.7	82.1	1304.07	1138	24.3	22.9	1304.86	1187	24.6	23.1	1305.89	1254	24.1	23.3	26
27	1306.51	1384	22.3	82.2	1304.11	1141	24.7	22.9	1304.92	1191	25.6	23.2	1305.92	1256	24.4	23.3	27
28	1305.32	1302	25.4	65.9	1304.13	1142	23.5	22.8	1304.96	1194	25.0	23.1	1305.92	1256	23.6	23.4	28
29	1305.29	1300	24.8	25.1	1304.18	1145	24.9	22.9	1305.00	1196	24.6	23.2	1305.93	1256	23.5	23.3	29
30	1305.22	1295	23.3	25.1	1304.20	1146	23.7	22.8	1305.03	1198	24.5	23.1	1305.95	1258	24.5	23.4	30
31	1305.14	1290	23.2	25.0					1305.07	1201	25.1	23.2	1306.21	1275	31.9	23.3	31
TOTAL			1662.9	2359.2			707.9	726.1			751.4	713.5			766.0	720.2	
Inf. Ac. Ft.		3298.3				1404.1				1490.4				1519.3		7712.1	
Outf. Ac. Ft.		4679.4 + (45.8)				1440.2 + (22.8)				1415.2 + (20.2)				1428.5 + (16.9)		8963.3 + (105.7)	
Maximum Mean Daily Inflow		71.8				25.3				25.8				31.9		71.8	
Minimum Mean Daily Inflow		22.3				22.2				23.3				23.5		22.2	
Storage Change		- 1427.				- 144. 1/				+ 55.				+ 74		- 1442.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

										RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Max. W. S. Elev.	1348.29	feet	on	6/25/63	Storage	6515.	Acre Feet			O.R. WATKINS	Dam Tender	Gage Hts. copied	TS	RAP
Min. W. S. Elev.	1303.94	feet	on	11/21/62	Storage	1130.	Acre Feet			E.K. DE VORE	Hydrographer	Storage applied	TS	RAP
Max. Peak Inf.	2443.	C.F.S. from	10:00 P.M.	on	2/9/63	to	10:15 P.M.	on	2/9/63		Hydrographer	Inf. & Outf. comp.	TS	RAP
Max. Peak Outf.	82.5	C.F.S. from	on VARIOUS DAYS			to		on			Hydrographer			

REMARKS ( ) INDICATES EVAPORATION LOSSES.

1/ CHANGED TO STORAGE TABLE XIX. 85 A.F. LOSS DUE TO SILTATION.

74D138M-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1963

On

Continuous Water Stage Recorder At

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962. 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	1.306.48	1.293	32.6	23.4	1.339.21	4.894	35.0	20.1	1.341.66	5.328	42.6	37.0	1.343.70	5.649	50.4	37.2	1
2	1.306.68	1.307	30.6	23.3	1.339.39	4.923	35.7	20.2	1.341.69	5.333	41.2	36.9	1.343.86	5.677	52.3	37.1	2
3	1.306.81	1.315	27.7	23.3	1.339.53	4.945	32.7	20.1	1.341.91	5.336	40.2	37.0	1.344.00	5.702	50.7	37.2	3
4	1.306.91	1.322	27.1	23.2	1.339.69	4.971	35.0	20.2	1.341.91	5.336	38.5	36.9	1.344.12	5.724	49.3	37.1	4
5	1.306.99	1.327	26.2	23.3	1.339.83	4.993	32.9	20.2	1.341.90	5.334	37.3	37.0	1.344.28	5.753	53.2	37.2	5
6	1.307.38	1.354	27.1	13.1	1.339.96	5.014	32.1	20.4	1.341.88	5.331	36.6	36.9	1.344.31	5.758	41.3	37.1	6
7	1.307.63	1.385	24.1	8.1	1.340.11	5.038	33.3	20.4	1.341.86	5.328	36.1	37.0	1.344.40	5.775	46.9	37.2	7
8	1.308.29	1.418	24.7	8.0	1.340.28	5.066	34.1	19.1	1.341.85	5.326	37.0	36.9	1.344.45	5.784	43.3	37.1	8
9	1.317.77	2.226	415.6	8.2	1.340.51	5.104	34.8	14.7	1.341.83	5.323	36.8	37.0	1.344.51	5.795	44.2	37.2	9
10	1.327.13	3.236	512.5	3.1	1.340.72	5.138	32.6	14.9	1.341.81	5.319	36.4	36.9	1.344.56	5.804	43.5	37.1	10
11	1.329.50	3.526	146.6	.1	1.340.80	5.151	33.0	25.9	1.341.78	5.314	36.0	36.9	1.344.60	5.811	43.0	37.2	11
12	1.330.82	3.693	84.7	.1	1.340.74	5.141	32.6	37.0	1.341.73	5.306	34.8	37.1	1.344.63	5.817	42.1	37.1	12
13	1.331.98	3.844	76.4	.1	1.340.63	5.123	29.3	36.9	1.341.66	5.294	33.1	37.5	1.344.67	5.824	42.7	37.2	13
14	1.333.00	3.981	69.7	.1	1.340.60	5.118	35.2	37.0	1.341.72	5.304	42.5	37.4	1.344.81	5.849	51.6	37.1	14
15	1.333.91	4.106	63.6	.1	1.340.55	5.110	34.5	36.9	1.341.74	5.308	40.8	37.5	1.344.97	5.879	54.1	37.2	15
16	1.334.73	4.221	58.6	.1	1.340.72	5.138	51.8	37.0	1.341.74	5.308	38.8	37.4	1.345.09	5.901	49.8	37.1	16
17	1.335.49	4.331	56.1	.1	1.341.03	5.189	62.9	36.9	1.341.74	5.308	38.5	37.1	1.345.21	5.923	49.8	37.3	17
18	1.336.20	4.435	53.1	.1	1.341.14	5.207	47.3	37.0	1.341.73	5.306	37.2	36.9	1.345.33	5.946	50.1	37.2	18
19	1.336.87	4.534	50.7	.1	1.341.19	5.216	43.0	36.9	1.341.71	5.303	36.2	37.0	1.345.44	5.967	49.3	37.4	19
20	1.337.50	4.630	49.0	.1	1.341.21	5.219	40.0	36.9	1.341.80	5.318	44.5	36.9	1.345.54	5.986	48.6	37.3	20
21	1.337.95	4.698	45.3	10.2	1.341.22	5.221	38.8	36.7	1.342.16	5.379	69.4	37.0	1.345.63	6.002	46.8	37.1	21
22	1.338.09	4.720	42.9	30.1	1.341.22	5.221	37.6	36.8	1.342.27	5.398	48.2	36.9	1.345.74	6.023	48.8	36.9	22
23	1.338.20	4.737	40.6	30.2	1.341.27	5.229	41.3	36.7	1.342.31	5.405	42.6	37.0	1.345.87	6.048	50.9	37.0	23
24	1.338.31	4.754	40.1	30.1	1.341.29	5.232	39.5	36.9	1.342.33	5.408	40.1	36.9	1.345.97	6.066	47.5	36.9	24
25	1.338.48	4.780	38.1	23.7	1.341.28	5.231	37.7	36.8	1.342.38	5.417	41.6	37.0	1.346.07	6.085	48.2	37.0	25
26	1.338.68	4.811	36.7	20.1	1.341.26	5.227	36.2	37.0	1.342.67	5.502	60.6	37.0	1.346.16	6.103	47.4	36.9	26
27	1.338.88	4.842	37.5	20.1	1.341.23	5.222	35.1	37.0	1.343.06	5.535	54.9	37.1	1.346.26	6.122	48.0	37.0	27
28	1.339.04	4.867	35.3	21.2	1.341.52	5.271	62.3	36.9	1.343.22	5.563	51.4	35.5	1.346.37	6.143	48.6	36.9	28
29					1.341.67	5.296	50.6	36.9	1.343.41	5.597	56.3	37.2	1.346.50	6.168	50.6	37.0	29
30					1.341.76	5.311	45.6	37.0	1.343.57	5.625	52.6	37.1	1.346.63	6.192	49.9	36.9	30
31					1.341.81	5.319	41.9	36.9					1.346.77	6.219	51.2	37.0	31
TOTAL			2173.2	343.7			1214.4	954.3			1302.8	1109.9			1494.5	1150.2	
Inf. Ac. Ft.			4310.5				2408.7				2584.1				2964.3	19979.7	
Outf. Ac. Ft.			681.7 + (36.7)				1892.8 + (63.9)				2201.5 + (76.6)				2281.4 + (88.9)	16020.7 + (371.6)	
Maximum Mean Daily Inflow			512.5				62.9				80.6				54.1	512.5	
Minimum Mean Daily Inflow			24.1				29.3				33.1				41.3	22.2	
Storage Change		+ 3592.				+ 452.				+ 306.				+ 594.		+ 3502.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1348.29	feet on	6/25/63	Storage	6515.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1303.94	feet on	11/21/62	Storage	1130.	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	2443.	C.F.S. from	10:00 P.M. on 2/9/63	to	10:15 P.M. on	2/9/63	E.K. DE VORE	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	82.5	C.F.S. from	on VARIOUS DAYS to		on			Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS ( ) INDICATES EVAPORATION LOSSES.

74D138M-68B Gib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam

In San Gabriel Canyon for the Year Ending September 30, 1963

On

Continuous Water Stage Recorder Au

Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,642 Ac. Ft. at Spillway Elev. 1,453.0 Ft. as of November 1962. Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1.346.88	6.240	48.6	36.9	1.348.04	6.466	31.3	36.7	1.343.85	5.675	9.9	37.1	1.331.78	3.818	9.5	36.7	1
2	1.347.00	6.263	49.5	37.0	1.347.98	6.454	34.1	37.2	1.343.55	5.622	12.0	36.9	1.331.31	3.757	7.2	36.8	2
3	1.347.09	6.281	47.1	36.9	1.347.89	6.437	31.7	37.1	1.343.23	5.565	10.4	36.9	1.330.86	3.698	8.1	36.7	3
4	1.347.19	6.300	48.0	37.0	1.347.80	6.419	30.6	37.1	1.342.89	5.505	9.1	36.8	1.330.51	3.654	16.2	36.7	4
5	1.347.30	6.322	49.4	36.9	1.347.73	6.405	31.9	37.0	1.342.55	5.446	9.3	36.8	1.330.10	3.602	11.8	36.6	5
6	1.347.44	6.349	51.7	37.0	1.347.64	6.388	30.5	37.1	1.342.21	5.387	8.4	36.7	1.329.69	3.550	12.4	37.2	6
7	1.347.55	6.370	49.4	37.2	1.347.56	6.372	30.9	37.0	1.341.88	5.331	10.1	36.8	1.329.18	3.486	6.9	37.1	7
8	1.347.64	6.388	47.6	37.3	1.347.48	6.357	31.9	37.1	1.341.54	5.274	10.1	36.7	1.328.70	3.426	9.0	37.2	8
9	1.347.73	6.405	47.5	37.2	1.347.38	6.337	29.1	37.0	1.341.22	5.221	12.9	36.8	1.328.34	3.382	9.0	29.5	9
10	1.347.84	6.427	49.3	37.3	1.347.29	6.320	30.9	37.1	1.340.66	5.161	8.8	36.7	1.328.03	3.344	8.0	25.0	10
11	1.347.94	6.446	47.8	37.2	1.347.18	6.298	28.7	37.0	1.340.50	5.102	9.4	36.7	1.327.71	3.305	7.4	24.9	11
12	1.348.05	6.468	49.6	37.3	1.347.05	6.273	27.1	37.1	1.340.12	5.040	7.9	36.6	1.327.39	3.267	7.4	24.9	12
13	1.348.13	6.484	46.7	37.2	1.346.95	6.253	29.5	37.0	1.339.73	4.977	8.0	37.1	1.327.06	3.227	6.3	24.8	13
14	1.348.20	6.498	45.8	37.3	1.346.82	6.229	27.4	37.1	1.339.34	4.915	7.9	37.3	1.326.74	3.189	7.0	24.9	14
15	1.348.24	6.506	42.8	37.2	1.346.68	6.202	25.8	37.0	1.338.96	4.855	9.0	37.3	1.326.43	3.153	7.7	24.8	15
16	1.348.27	6.511	41.4	37.3	1.346.57	6.181	29.0	37.1	1.338.54	4.790	6.6	37.2	1.326.13	3.117	7.9	24.9	16
17	1.348.27	6.511	38.8	37.2	1.346.46	6.160	29.4	37.0	1.338.13	4.726	7.0	37.3	1.326.03	3.106	19.7	24.7	17
18	1.348.26	6.509	38.0	37.3	1.346.35	6.139	29.5	37.1	1.337.73	4.665	8.5	37.2	1.326.34	3.142	43.3	24.8	18
19	1.348.24	6.506	37.5	37.1	1.346.22	6.114	26.2	37.0	1.337.30	4.599	6.2	37.3	1.327.82	3.318	114.1	24.7	19
20	1.348.23	6.504	38.2	37.2	1.346.11	6.093	28.3	37.1	1.336.90	4.538	8.7	37.2	1.328.23	3.368	50.9	24.8	20
21	1.348.23	6.504	38.4	37.1	1.346.00	6.072	28.7	37.0	1.336.48	4.476	8.0	37.2	1.328.42	3.392	38.1	24.7	21
22	1.348.26	6.509	41.4	37.2	1.345.87	6.048	27.5	37.1	1.336.06	4.414	7.7	37.1	1.328.49	3.400	30.1	24.9	22
23	1.348.28	6.513	41.3	37.1	1.345.73	6.021	25.8	37.0	1.335.65	4.354	9.0	37.2	1.328.49	3.400	26.4	24.8	23
24	1.348.28	6.513	39.3	36.7	1.345.59	5.995	26.6	37.1	1.335.23	4.293	8.7	37.1	1.328.43	3.393	23.3	25.0	24
25	1.348.27	6.511	37.7	36.3	1.345.43	5.965	24.6	37.0	1.334.82	4.234	9.9	37.2	1.328.20	3.365	20.4	33.0	25
26	1.348.24	6.506	35.6	36.2	1.345.27	5.935	24.6	37.1	1.334.38	4.172	8.0	37.0	1.327.86	3.323	17.7	37.2	26
27	1.348.22	6.502	36.2	36.0	1.345.10	5.903	23.5	37.0	1.333.96	4.113	9.5	37.0	1.327.49	3.279	16.7	37.1	27
28	1.348.19	6.496	35.8	36.1	1.344.92	5.869	22.5	37.1	1.333.50	4.050	7.3	36.9	1.327.12	3.234	16.5	37.2	28
29	1.348.16	6.490	35.7	36.0	1.344.75	5.838	24.0	37.0	1.333.07	3.991	9.5	36.9	1.326.69	3.183	12.9	37.1	29
30	1.348.12	6.482	34.7	36.1	1.344.48	5.789	14.4	37.1	1.332.64	3.933	9.2	36.7	1.326.28	3.135	14.1	37.3	30
31					1.344.17	5.733	10.2	37.0	1.332.21	3.875	9.2	36.8					31
TOTAL			1291.0	1107.8			846.8	1148.4			276.0	1146.5			586.0	916.2	
Inf. Ac. Ft.			2560.7				1679.6				547.4				1162.3	25929.7	
Outf. Ac. Ft.			2197.3 + (100.4)				2277.8 + (150.7)				2274.0 + (131.5)				1817.3 + (85.1)	24857.1 + (839.5)	
Maximum Mean Daily Inflow			51.7				34.1				12.9				114.1	513.5	
Minimum Mean Daily Inflow			34.7				10.8				6.2				6.3	6.2	
Storage Change		+ 263.				- 749.				- 1858.				- 740		+ 418.	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1348.29	feet on	6/25/63	Storage	6515.	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1303.94	feet on	11/21/62	Storage	1130.	Acre Feet	O.R. WATKINS	Dam Tender	Gage Hts. copied	TS RAP
Max. Peak Inf.	2443.	C.F.S. from	10:00 P.M. on 2/9/63	to	10:15 P.M. on	2/9/63	E.K. DE VORE	Hydrographer	Storage applied	TS RAP
Max. Peak Outf.	82.5	C.F.S. from	on VARIOUS DAYS to		on			Hydrographer	Inf. & Outf. comp.	TS RAP

REMARKS ( ) INDICATES EVAPORATION LOSSES.

76D138N-68B Cik 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1962

~~On~~ 868.7 January 62
880.5 November 61

Drainage Area 4.49 Square Miles. Capacity of Reservoir 901.3 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of September 1961

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1645.6	47.1	(.04	0	1645.5	46.6	0	0	1653.6	78.3	0	0	1667.5	199.6 2/	.2	0	1
2	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	63.2	0	1667.5	199.6	.2	0	2
3	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	3
4	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	4
5	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	5
6	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	6
7	1645.6	47.1	.04	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	7
8	1645.6	47.1	.03	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.5	199.6	.2	0	8
9	1645.6	47.1	.03	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.6	200.7	.2	0	9
10	1645.6	47.1	.03	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.6	200.7	.1	0	10
11	1645.6	47.1	.03	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.7	201.9	.1	0	11
12	1645.6	47.1	.03	0	1645.5	46.6	0	0	1666.9	203.6	.1	0	1667.7	201.9	.1	0	12
13	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.0	204.7	.1	0	1667.7	201.9	.1	0	13
14	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.0	204.7	.1	0	1667.7	201.9	.1	0	14
15	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.0	204.7	.1	0	1667.7	201.9	.1	0	15
16	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.0	204.7	.1	0	1667.7	201.9	.1	0	16
17	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.0	204.7	.1	0	1667.7	201.9	.1	0	17
18	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.1	205.9	.1	0	1667.7	201.9	.1	0	18
19	1645.6	47.1	.03	0	1645.5	46.6	0	0	1667.1	205.9	.1	0	1667.7	201.9	.1	0	19
20	1645.6	47.1	.03	0	1654.0	81.2 1/	27.6	0	1667.2	207.0	.1	0	1677.0	323.9	61.5	0	20
21	1645.6	47.1	.03	0	1653.9	80.5	.1	0	1667.2	207.0	.1	0	1677.1	325.4	.8	0	21
22	1645.6	47.1	.03	0	1653.7	79.0	.1	.7	1667.2	207.0	.2	0	1677.2	326.8	.8	0	22
23	1645.6	47.1	.03	0	1653.6	78.3	0	0	1667.2	207.0	.2	0	1677.3	328.3	.8	0	23
24	1645.5	46.6	.03	0	1653.6	78.3	0	0	1667.2	207.0	.2	0	1677.4	329.7	.6	0	24
25	1645.5	46.6	.03	0	1653.6	78.3	0	0	1667.2	207.0	.2	0	1677.5	331.2	.6	0	25
26	1645.5	46.6	.03	0	1653.6	78.3	0	0	1667.2	207.0	.2	0	1677.6	332.7	.6	0	26
27	1645.5	46.6	.03	0	1653.6	78.3	0	0	1667.3	208.2	.2	0	1677.6	332.7	.5	0	27
28	1645.6	47.1	.03	0	1653.6	78.3	0	0	1667.3	208.2	.2	0	1677.7	334.1	.5	0	28
29	1645.6	47.1	.03	0	1653.6	78.3	0	0	1667.3	208.2	.2	0	1677.7	334.1	.5	0	29
30	1645.5	46.6	.03	0	1653.6	78.3	0	0	1667.4	209.4	.2	0	1677.8	335.6	.5	0	30
31	1645.5	46.6	.03	0					1667.4	209.4	.2	0	1677.8	335.6	.5	0	31
TOTAL			1.00	0			27.8	0.7			67.1	0			71.0	0	
Inf. Ac. Ft.			2.0				55.1				133.1				140.8	331.0	
Outf. Ac. Ft.			0 +(2.6)				1.4 + (2.0)				0 + (2.0)				0 + (3.6)	1.4 + (10.2)	
Maximum Mean Daily Inflow			0.04				27.6				63.2				61.5	63.2	
Minimum Mean Daily Inflow			0.03				0				0				0.1	0	
Storage Change		- 0.5				+ 31.7				+ 131.1				+ 137.2		+ 288.5 1/ 2/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1694.3	feet on	3/6 /62	Storage	617.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1645.5	feet on	VARIOUS DAYS	Storage	46.6	Acre Feet	D.V. MOIR - G.M. THRASHER	Dam Tender	Gage Hts. copied	RAP AJF	
Max. Peak Inf.	1133.	C.F.S. from	6:45 A.M. on 12/2/61	to	7:00 A.M. on	12/2/61	R.J. SARASUA	Hydrographer	Storage applied	RAP AJF	
Max. Peak Outf.	29.8	C.F.S. from	8:40 A.M. on 2/19/62	to	9:10 A.M. on	2/19/62		Hydrographer	Inf. & Outf. comp.	RAP AJF	

REMARKS (INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES.
1/ CHANGED TO STORAGE TABLE IX. 20.1 A.F. LOSS DUE TO SILTATION. 2/ CHANGED TO STORAGE TABLE X. 11.0 A.F. LOSS DUE TO SILTATION.

76D138N-68B Cik 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1962

~~On~~

Drainage Area 4.49 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of January 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1677.8	335.6	.4	0	1692.9	590.4	2.9	0	1675.6	304.0	1.2	11.2	1665.1	172.4	.8	0	1
2	1677.8	335.6	.4	0	1693.2	596.2	2.8	0	1674.1	283.3	1.2	11.7	1665.3	174.6	.8	0	2
3	1677.9	337.0	.4	0	1693.4	600.0	2.8	0	1672.2	257.9	1.2	13.9	1665.4	175.7	.7	0	3
4	1677.9	337.0	.3	0	1693.7	605.8	2.8	0	1670.7	238.6	1.2	10.8	1665.5	176.8	.7	0	4
5	1678.0	338.5	.3	0	1693.9	609.7	2.8	0	1669.0	217.4	1.2	11.6	1665.6	178.0	.7	0	5
6	1678.0	338.5	.3	0	1693.9	609.7	4.1	4.1	1667.4	198.4	1.1	10.6	1665.7	179.1	.7	0	6
7	1678.2	341.5	1.5	0	1692.2	577.1	2.8	19.2	1665.6	178.0	1.1	11.3	1665.8	180.2	.6	0	7
8	1680.2	371.6	15.2	0	1690.2	539.9	1.6	19.0	1663.8	158.5	1.1	10.8	1665.9	181.3	.6	0	8
9	1682.6	409.4	19.0	0	1689.2	521.8	1.7	12.2	1661.9	139.0	1.1	10.8	1666.0	182.4	.6	0	9
10	1683.8	428.8	9.8	0	1689.6	529.0	3.8	0	1661.3	133.1	1.1	4.0	1666.1	183.5	.6	0	10
11	1690.0	536.2	59.1	5.0	1689.8	532.6	1.9	0	1661.6	136.1	1.1	0	1666.2	184.7	.6	0	11
12	1691.9	571.4	29.0	11.2	1690.0	536.2	1.9	0	1662.0	140.0	1.1	0	1666.3	185.8	.6	0	12
13	1692.4	580.9	16.0	11.2	1689.9	534.4	1.9	2.8	1662.2	142.0	1.1	0	1666.4	186.9	.6	0	13
14	1692.4	580.9	11.2	11.2	1688.6	511.1	1.9	13.6	1662.4	144.0	1.1	0	1666.6	189.2	1.2	0	14
15	1692.8	588.5	15.1	11.3	1687.5	491.6	1.9	11.7	1662.6	146.1	1.1	0	1666.7	190.3	.7	0	15
16	1692.2	577.1	12.2	17.9	1686.6	476.0	1.9	9.6	1662.8	148.1	1.1	0	1667.0	193.7	1.8	0	16
17	1690.8	550.9	10.8	24.1	1685.8	462.3	1.9	8.9	1663.0	150.1	1.1	0	1667.2	196.0	1.3	0	17
18	1689.3	523.6	10.2	23.9	1685.2	452.1	2.2	7.3	1663.1	151.2	1.1	0	1667.3	197.2	.8	0	18
19	1689.8	532.6	20.9	16.4	1684.5	440.4	2.3	8.2	1663.3	153.2	1.1	0	1667.4	198.4	.8	0	19
20	1690.3	541.7	11.4	6.8	1684.1	433.8	2.7	6.0	1663.5	155.4	1.1	0	1667.5	199.6	.8	0	20
21	1690.0	536.2	8.3	11.1	1683.4	422.3	2.5	8.3	1663.7	157.4	1.1	0	1667.7	201.9	.8	0	21
22	1689.6	529.0	7.5	11.1	1683.4	42	2.4	2.3	1663.9	159.6	1.1	0	1667.8	203.1	.8	0	22
23	1689.8	532.6	6.6	4.8	1683.3	420.7	2.4	3.2	1664.0	160.6	1.1	0	1667.9	204.2	.8	0	23
24	1690.6	547.2	7.4	0	1683.5	424.0	1.7	0	1664.1	161.7	1.0	0	1668.0	205.4	.8	0	24
25	1691.2	558.3	5.6	0	1683.7	427.2	1.7	0	1664.3	163.8	1.0	0	1668.1	206.6	.8	0	25
26	1691.7	567.7	4.7	0	1683.4	422.3	1.6	4.1	1664.5	166.0	1.0	0	1668.2	207.8	.8	0	26
27	1692.2	577.1	4.9	0	1682.7	411.0	1.5	7.1	1664.6	167.0	1.0	0	1668.4	210.2	.8	0	27
28	1692.5	582.8	2.9	0	1681.3	388.7	1.4	12.7	1664.8	169.2	1.0	0	1668.5	211.4	.8	0	28
29					1679.8	365.5	1.3	13.0	1664.9	170.2	1.0	0	1668.6	212.6	.7	0	29
30					1678.4	344.5	1.3	11.7	1665.0	171.3	1.0	0	1668.7	213.8	.7	0	30
31					1677.0	323.9	1.3	11.7					1668.8	215.0	.7	0	31
TOTAL			291.4	166.0			67.7	196.7			32.8	106.9			24.5	0	
Inf. Ac. Ft.			578.0				134.3				65.1				48.6	157.0	
Outf. Ac. Ft.			329.3 + (1.6)				390.1 + (3.0)				212.0 + (5.6)				0 + (5.0)	932.8 + (25.4)	
Maximum Mean Daily Inflow			59.1				4.1				1.2				1.8	63.2	
Minimum Mean Daily Inflow			0.3				1.3				1.0				0.6	0	
Storage Change		+ 247.2				- 258.9				- 152.6				+ 43.7		+ 167.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1694.3	feet on	3/6/62	Storage	617.5	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1645.5	feet on	VARIOUS DAYS	Storage	46.6	Acre Feet	G.M. THRASHER	Dam Tender	Gage Hts. copied	RAP TS	
Max. Peak Inf.	1133.	C.F.S. from	6:45 A.M. on 12/2/61	to	7:00 A.M. on	12/2/61	R.J. SARASUA	Hydrographer	Storage applied	RAP TS	
Max. Peak Outf.	29.8	C.F.S. from	8:40 A.M. on 2/19/62	to	9:10 A.M. on	2/19/62		Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS (INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES.

74D 138N-68B Ofc 12-57

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1963

On

Drainage Area 4.19 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of January, 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1663.7	157.4	.2	0	1666.9	192.6	.5	0	1669.5	223.6	.4	0	1671.9	254.0	.5	0	1
2	1663.7	157.4	.2	0	1666.9	192.6	.5	0	1669.5	223.6	.4	0	1671.9	254.0	.5	0	2
3	1663.8	158.5	.1	0	1667.0	193.7	.5	0	1669.6	224.8	.4	0	1672.0	255.3	.4	0	3
4	1663.8	158.5	.1	0	1667.1	194.9	.5	0	1669.6	224.8	.4	0	1672.1	256.6	.4	0	4
5	1663.8	158.5	.1	0	1667.2	196.0	.4	0	1669.7	226.0	.4	0	1672.2	257.9	.4	0	5
6	1663.8	158.5	.1	0	1667.2	196.0	.4	0	1669.8	227.2	.4	0	1672.2	257.9	.4	0	6
7	1663.8	158.5	.1	0	1667.3	197.2	.4	0	1669.8	227.2	.4	0	1672.3	259.3	.4	0	7
8	1663.8	158.5	.1	0	1667.3	197.2	.4	0	1669.9	228.5	.4	0	1672.3	259.3	.4	0	8
9	1667.4	198.4	20.1	0	1667.4	198.4	.4	0	1669.9	228.5	.4	0	1672.3	259.3	.4	0	9
10	1668.7	213.8	7.7	0	1667.5	199.6	.4	0	1670.0	229.7	.4	0	1672.4	260.6	.4	0	10
11	1668.9	216.2	1.3	0	1667.6	200.7	.4	0	1670.0	229.7	.4	0	1672.4	260.6	.4	0	11
12	1669.1	218.6	1.3	0	1667.6	200.7	.4	0	1670.1	231.0	.4	0	1672.5	261.9	.4	0	12
13	1669.2	219.9	.6	0	1667.7	201.9	.4	0	1670.1	231.0	.3	0	1672.5	261.9	.4	0	13
14	1668.1	206.6	.9	7.5	1667.7	201.9	.4	0	1670.2	232.2	.6	0	1672.6	263.2	.4	0	14
15	1666.2	184.7	.3	11.3	1667.8	203.1	.6	0	1670.3	233.5	.7	0	1672.6	263.2	.4	0	15
16	1665.7	179.1	.9	3.7	1668.1	206.6	1.8	0	1670.4	234.8	.7	0	1672.7	264.5	.4	0	16
17	1665.8	180.2	.6	0	1668.3	209.0	1.3	0	1670.4	234.8	.3	0	1672.7	264.5	.4	0	17
18	1665.9	181.3	.6	0	1668.4	210.2	.6	0	1670.4	234.8	.3	0	1672.8	265.9	.4	0	18
19	1666.0	182.4	.6	0	1668.5	211.4	.5	0	1670.5	236.0	.3	0	1672.8	265.9	.4	0	19
20	1666.1	183.5	.6	0	1668.6	212.6	.5	0	1670.7	238.6	1.3	0	1672.8	265.9	.3	0	20
21	1666.2	184.7	.6	0	1668.6	212.6	.5	0	1670.9	241.1	1.3	0	1672.9	267.2	.3	0	21
22	1666.3	185.8	.6	0	1668.7	213.8	.5	0	1671.0	242.4	.4	0	1672.9	267.2	.3	0	22
23	1666.4	186.9	.6	0	1668.8	215.0	.7	0	1671.0	242.4	.4	0	1673.0	268.5	.3	0	23
24	1666.5	188.0	.6	0	1668.9	216.2	.5	0	1671.0	242.4	.4	0	1673.0	268.5	.3	0	24
25	1666.6	189.2	.5	0	1669.0	217.4	.5	0	1671.1	243.7	.4	0	1673.0	268.5	.3	0	25
26	1666.7	190.3	.5	0	1669.0	217.4	.5	0	1671.5	248.8	2.7	0	1673.0	268.5	.3	0	26
27	1666.7	190.3	.5	0	1669.1	218.6	.5	0	1671.6	250.1	.6	0	1673.1	269.8	.3	0	27
28	1666.8	191.4	.5	0	1669.2	219.9	.6	0	1671.6	250.1	.5	0	1673.1	269.8	.3	0	28
29					1669.3	221.1	.5	0	1671.7	251.4	.5	0	1673.1	269.8	.3	0	29
30					1669.4	222.3	.5	0	1671.8	252.7	.5	0	1673.2	271.2	.3	0	30
31					1669.4	222.3	.4	0					1673.2	271.2	.3	0	31
TOTAL			40.9	22.5			17.2	0			17.3	0			11.4	0	
Inf. Ac. Ft.			81.1				34.1				34.3				22.6	207.7	
Outf. Ac. Ft.			44.6 + (2.6)				0 + (3.2)				0 +(3.4)				0 + (4.2)	159.4 + (24.6)	
Maximum Mean Daily Inflow			20.1				1.8				2.7				0.5	20.1	
Minimum Mean Daily Inflow			0.1				0.4				0.3				0.3	0.1	
Storage Change		+ 34.0				+ 30.9				+ 30.4				+ 18.5		+ 23.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1674.1	feet on VARIOUS DAYS	Storage 283.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1661.1	feet on 10/12-13/62	Storage 131.2	Acre Feet	G.M. THRASHER	Dam Tender	Gage Hts. copied	RAP AJF 10/2/63
Max. Peak Inf.	92.0	C.F.S. from 7:45 P.M. on 2/9/63	to 8:00 P.M. on 2/9/63		R.J. SARASUA	Hydrographer	Storage applied	RAP AJF 10/2/63
Max. Peak Outf.	38.4	C.F.S. from 8:35 A.M. on 10/8/62	to 1:30 P.M. on 10/8/62			Hydrographer	Inf. & Outf. comp.	RAP AJF TS

REMARKS (INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES.

74D 138N-68B Ofc 12-57

Daily Gage Height in feet and Operation Record of BIG DALTON Dam

In Big Dalton Canyon for the Year Ending September 30, 1963

On

Drainage Area 4.19 Square Miles. Capacity of Reservoir 868.7 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of January, 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1673.3	272.5	.4	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1
2	1673.3	272.5	.4	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	2
3	1673.3	272.5	.4	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	3
4	1673.4	273.9	.4	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	4
5	1673.4	273.9	.4	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	5
6	1673.5	275.2	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	6
7	1673.5	275.2	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	7
8	1673.5	275.2	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	8
9	1673.6	276.5	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	9
10	1673.6	276.5	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	10
11	1673.6	276.5	.3	0	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	11
12	1673.7	277.9	.3	0	1674.1	283.3	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	12
13	1673.7	277.9	.3	0	1674.1	283.3	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	13
14	1673.7	277.9	.3	0	1674.1	283.3	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	14
15	1673.7	277.9	.2	0	1674.0	281.9	.1	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	15
16	1673.8	279.2	.2	0	1674.0	281.9	.1	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	16
17	1673.8	279.2	.2	0	1674.0	281.9	.1	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	17
18	1673.8	279.2	.2	0	1674.0	281.9	.1	0	1673.9	280.6	.1	0	1673.9	280.6	.8	0	18
19	1673.8	279.2	.2	0	1674.0	281.9	.1	0	1673.9	280.6	.1	0	1674.0	281.9	.8	0	19
20	1673.8	279.2	.2	0	1674.0	281.9	.1	0	1673.9	280.6	.1	0	1674.0	281.9	.2	0	20
21	1673.9	280.6	.2	0	1674.0	281.9	.1	0	1673.9	280.6	.1	0	1674.0	281.9	.2	0	21
22	1673.9	280.6	.2	0	1674.0	281.9	.1	0	1673.9	280.6	.1	0	1674.0	281.9	.2	0	22
23	1673.9	280.6	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	23
24	1673.9	280.6	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	24
25	1673.9	280.6	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	25
26	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	26
27	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	27
28	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	28
29	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	29
30	1674.0	281.9	.2	0	1674.0	281.9	.1	0	1673.8	279.2	.1	0	1674.0	281.9	.1	0	30
31					1674.0	281.9	.1	0	1673.8	279.2	.1	0					31
TOTAL			7.9	0			4.5	0			3.1	0			4.7	0	
Inf. Ac. Ft.			15.7				8.9				6.2				9.3	247.8	
Outf. Ac. Ft.			0 + (5.0)				0 + (8.9)				0 + (8.9)				0 + (6.5)	159.4 + (53.9)	
Maximum Mean Daily Inflow			0.4				0.2				0.1				0.8	20.1	
Minimum Mean Daily Inflow			0.2				0.1				0.1				0.1	0.1	
Storage Change		+ 10.7				0				- 2.7				+ 2.7		+ 34.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1674.1	feet on VARIOUS DAYS	Storage 283.3	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1661.1	feet on 10/12-13/62	Storage 131.2	Acre Feet	G.M. THRASHER	Dam Tender	Gage Hts. copied	RAP TS
Max. Peak Inf.	92.0	C.F.S. from 7:45 P.M. on 2/9/63	to 8:00 P.M. on 2/9/63		R.J. SARASUA	Hydrographer	Storage applied	RAP TS
Max. Peak Outf.	38.4	C.F.S. from 8:35 A.M. on 10/8/62	to 1:30 P.M. on 10/8/62			Hydrographer	Inf. & Outf. comp.	RAP TS

REMARKS (INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSSES.

76D138N-68B 0M 12-57

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 62

~~On~~ 709.1 / 704.6 / 900.8

Drainage Area 16.2 Square Miles. Capacity of Reservoir 900.8 Ac. Ft. at Spillway Elev. 1162.0 Ft. as of January 62 / November 61 / August 1961

Continuous Water Stage Recorder Au

Gage Heights Read daily

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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	1425.0	1099	.03	0	1424.8	1082	.02	0	1444.8	2192	.8	0	1448.6	2960	.7	0	1
2	1425.0	1099	.03	0	1424.8	1082	.02	0	1460.0	6363	223.6	13.4	1448.6	2960	.7	0	2
3	1425.0	1099	.03	0	1424.8	1082	.02	0	1456.8	5315	2.2	55.0	1448.7	2985	.7	0	3
4	1425.0	1099	.03	0	1424.8	1082	.02	0	1453.1	4178	2.0	59.3	1448.7	2985	.7	0	4
5	1425.0	1099	.03	0	1424.8	1082	.02	0	1448.0	2788	1.8	71.9	1448.8	3011	.7	0	5
6	1425.0	1099	.03	0	1424.7	1074	.02	0	1448.2	2838	1.3	0	1448.9	3036	.7	0	6
7	1425.0	1099	.03	0	1424.7	1074	.02	0	1448.3	2863	1.3	0	1448.9	3036	.8	0	7
8	1425.0	1099	.03	0	1424.7	1074	.02	0	1448.4	2888	1.3	0	1449.0	3061	.8	0	8
9	1424.9	1091	.02	0	1424.7	1074	.02	0	1448.4	2888	1.3	0	1449.0	3061	.8	0	9
10	1424.9	1091	.02	0	1424.7	1074	.02	0	1448.5	2913	1.3	0	1449.0	3061	.8	0	10
11	1424.9	1091	.02	0	1424.7	1074	.02	0	1448.6	2938	1.1	0	1449.1	3088	1.1	0	11
12	1424.9	1091	.02	0	1424.7	1074	.01	0	1448.7	2963	1.1	0	1449.2	3114	1.1	0	12
13	1424.9	1091	.02	0	1424.7	1074	.01	0	1448.8	2988	1.1	0	1449.3	3141	1.1	0	13
14	1424.9	1091	.02	0	1424.7	1074	.01	0	1448.9	3013	1.0	0	1449.3	3141	1.1	0	14
15	1424.9	1091	.02	0	1424.7	1074	.01	0	1448.9	3013	1.0	0	1449.4	3167	1.1	0	15
16	1424.9	1091	.02	0	1424.6	1065	.01	0	1448.5	2913	.8	6.9	1449.4	3167	1.1	0	16
17	1424.9	1091	.02	0	1424.6	1065	.01	0	1447.8	2745	.8	6.6	1449.5	3194	1.2	0	17
18	1424.9	1091	.02	0	1424.6	1065	.01	0	1447.5	2680	.8	3.3	1449.6	3221	1.2	0	18
19	1424.9	1091	.02	0	1424.6	1065	.01	0	1447.6	2702	.8	0	1449.7	3247	1.2	0	19
20	1424.9	1091	.02	0	1448.2	2838	190.4	7.0	1447.7	2724	.8	0	1456.5	5259	131.5	30.0	20
21	1424.9	1091	.02	0	1444.6	2161	1.9	36.0	1447.8	2745	.8	0	1456.9	5386	6.4	0	21
22	1424.9	1091	.02	0	1444.2	2098	.5	3.1	1447.9	2766	.8	0	1453.0	4182	2.3	62.0	22
23	1424.9	1091	.02	0	1444.2	2098	.5	0	1447.9	2766	.8	0	1450.3	3410	2.3	40.0	23
24	1424.9	1091	.02	0	1444.2	2098	.5	0	1448.0	2788	.8	0	1450.6	3493	2.3	0	24
25	1424.9	1091	.02	0	1444.5	2145	.4	0	1448.1	2813	.6	0	1450.8	3549	2.3	0	25
26	1424.8	1082	.02	0	1444.6	2161	.4	0	1448.2	2838	.6	0	1451.0	3604	2.3	0	26
27	1424.8	1082	.02	0	1444.6	2161	.4	0	1448.2	2838	.7	0	1451.2	3661	2.3	0	27
28	1424.8	1082	.02	0	1444.7	2177	.4	0	1448.3	2863	.7	0	1451.4	3718	2.3	0	28
29	1424.8	1082	.02	0	1444.7	2177	.4	0	1448.4	2888	.7	0	1451.5	3747	2.3	0	29
30	1424.8	1082	.02	0	1444.7	2177	.4	0	1448.4	2888	.7	0	1451.6	3776	2.3	0	30
31	1424.8	1082	.02	0					1448.5	2913	.7	0	1451.7	3804	2.3	0	31
TOTAL			.70	0			196.5	46.1			254.5	216.4			178.5	132.0	
Inf. Ac. Ft.			1.4				389.8				504.8				354.0	1250.0	
Outf. Ac. Ft.			0 + (3.2)				91.4 + (2.4)				429.2 + (2.0)				261.8 + (5.4)	782.4 + (13.0)	
Maximum Mean Daily Inflow			0.03				190.4				223.6				131.5	223.6	
Minimum Mean Daily Inflow			0.02				0.02				0.7				0.7	0.02	
Storage Change		- 1.7				+ 109.5 1/				+ 73.6				+ 86.9 2/			+ 270.5 1/ 2/

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1460.4	feet	on	12/2/61	Storage	649.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1399.4	feet	on	3/27/62	Storage	0	Acre Feet	J.L. JARVIS	Dam Tender	Gage Hts. copied	GLW	TS
Max. Peak Inf.	2522.	C.F.S. from	2:15 P.M.	on 11/20/61	to	2:30 P.M.	on 11/20/61	R.J. SARASUA	Hydrographer	Storage applied	GLW	TS
Max. Peak Outf.	215.	C.F.S. from	9:50 A.M.	on 12/3/61	to	10:35 A.M.	on 12/3/61		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION LOSSES.
{ INDICATES AVERAGE FOR PERIOD.
1/ CHANGED TO STORAGE TABLE X. 186.4 A.F. LOSS DUE TO SILTATION. 2/ CHANGED TO STORAGE TABLE XI. 2.2 A.F. GAIN.

76D138N-68B 0M 12-57

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 19 62

~~On~~ 728.9 / 709.1 / 900.8

Drainage Area 16.2 Square Miles. Capacity of Reservoir 900.8 Ac. Ft. at Spillway Elev. 1162.0 Ft. as of April 1962 / January 1962

Continuous Water Stage Recorder Au

Gage Heights Read daily

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

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	1451.8	3833	1.6	0	1442.4	1811	5.2	74.0	1425.8	346	3.9	0	1441.9	1948	1.9	0	1
2	1451.9	3861	1.5	0	1425.7	20	5.2	77.0	1427.5	424	3.9	0	1442.2	1992	1.9	0	2
3	1452.0	3890	1.5	0			5.2	10.0	1429.0	507	3.9	0	1442.4	2022	1.9	0	3
4	1452.1	3919	1.6	0			5.2	6.4	1430.0	573	3.8	.3	1442.6	2052	1.9	0	4
5	1452.2	3948	1.6	0			5.2	5.0	1430.8	633	3.8	.4	1442.8	2082	1.9	0	5
6	1452.3	3978	1.6	0			5.2	.6	1431.5	690	3.6	.5	1443.0	2112	1.7	0	6
7	1452.5	4036	30	0			5.2	20.0	1432.2	752	3.6	.5	1443.2	2143	1.7	0	7
8	1454.7	4696	57.3	24.0			5.2	9.4	1432.8	808	3.6	.6	1443.4	2174	1.7	0	8
9	1455.5	4944	64.5	52.0			5.2	9.0	1433.4	868	3.5	.6	1443.6	2205	1.6	0	9
10	1454.2	4543	38.8	59.0			5.2	9.0	1434.0	930	3.5	.6	1443.8	2236	1.6	0	10
11	1457.3	5515	117.0	68.0			5.2	7.0	1434.5	986	3.1	.6	1444.0	2267	1.7	0	11
12	1450.2	3382	28.4	136.0			5.2	5.0	1435.0	1041	3.1	.6	1444.2	2299	1.7	0	12
13	1452.2	3948	28.7	0			5.1	4.0	1435.4	1088	3.1	.6	1444.4	2332	1.8	0	13
14	1453.4	4302	17.9	0			5.1	4.0	1435.9	1146	3.0	0	1444.8	2397	3.4	0	14
15	1455.6	4975	34.0	0			5.1	4.0	1436.3	1195	3.0	0	1445.1	2446	2.5	0	15
16	1457.1	5450	15.3	0			5.1	5.0	1436.7	1244	2.7	0	1445.8	2567	6.2	0	16
17	1454.7	4696	15.3	32.0			5.1	5.0	1437.1	1294	2.7	0	1446.1	2620	2.8	0	17
18	1450.6	3493	15.3	38.0			5.1	5.0	1437.5	1344	2.7	0	1446.3	2657	2.1	0	18
19	1454.5	4636	15.3	10.9			5.1	7.0	1437.9	1395	2.6	0	1446.5	2694	2.1	0	19
20	1451.2	3661	15.3	71.0			5.1	6.0	1438.3	1448	2.6	0	1446.7	2732	2.1	0	20
21	1452.2	3948	15.3	14.3			5.1	5.0	1438.6	1487	2.4	0	1446.9	2769	2.1	0	21
22	1453.8	4422	15.3	0			5.1	10.0	1438.9	1527	2.4	0	1447.0	2788	2.1	0	22
23	1455.0	4788	15.3	0			5.1	8.0	1439.3	1581	2.4	0	1447.2	2832	2.0	0	23
24	1456.1	5132	15.3	0			5.1	5.0	1439.6	1622	2.4	0	1447.4	2875	2.0	0	24
25	1456.9	5386	15.3	0			5.1	5.0	1440.0	1676	2.4	0	1447.6	2919	2.0	0	25
26	1457.7	5645	15.3	0			5.1	5.0	1440.3	1718	2.4	0	1447.7	2941	2.0	0	26
27	1454.0	4482	15.3	61.0	1399.4 3/	0	5.1	5.0	1440.6	1761	2.4	0	1447.9	2984	2.0	0	27
28	1450.5	3466	15.3	47.0	1410.9	34	5.1	5.0	1441.0	1817	2.4	0	1448.2	3056	2.0	0	28
29					1417.5	113	5.1	0	1441.3	1860	2.4	0	1448.3	3081	2.0	0	29
30					1421.1	191	5.1	0	1441.6	1904	2.4	0	1448.5	3132	2.0	0	30
31					1423.7	268	5.1	0					1448.6	3157	2.0	0	31
TOTAL			597.9	613.2			159.2	320.4			89.7	5.3			66.4	0	
Inf. Ac. Ft.			1185.9				315.8				177.9				131.5	3061.1	
Outf. Ac. Ft.			1216.3 + (3.4)				635.5 + (0)				10.5 + (3.8)				0 + (6.1)	2644.7 + (26.3)	
Maximum Mean Daily Inflow			117.0				5.2				3.9				6.2	223.6	
Minimum Mean Daily Inflow			1.5				5.1				2.4				1.6	0.02	
Storage Change		- 33.8				- 319.8				+ 163.6				+ 125.3			+ 205.8

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1460.4	feet	on	12/2/61	Storage	649.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1399.4	feet	on	3/27/62	Storage	0	Acre Feet	J.L. REVIS	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	2522.	C.F.S. from	2:15 P.M.	on 11/20/61	to	2:30 P.M.	on 11/20/61	R.J. SARASUA	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	215.	C.F.S. from	9:50 A.M.	on 12/3/61	to	10:35 A.M.	on 12/3/61		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION LOSSES.
{ INDICATES AVERAGE FOR PERIOD.
3/ CHANGED TO STORAGE TABLE, XII AFTER SLUICING

74D132N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of April 1962 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	1448.8	320.7	1.9	0	1451.5	394.2	.6	0	1452.1	411.4	.3	0	1451.9	405.6	.2	0	1
2	1449.0	325.7	1.9	0	1451.5	394.2	.6	0	1452.1	411.4	.3	0	1451.9	405.6	.2	0	2
3	1449.1	328.4	1.9	0	1451.6	397.1	.6	0	1452.1	411.4	.2	0	1451.9	405.6	.2	0	3
4	1449.2	331.0	1.9	0	1451.6	397.1	.6	0	1452.1	411.4	.2	0	1451.9	405.6	.2	0	4
5	1449.3	333.7	1.9	0	1451.6	397.1	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.2	0	5
6	1449.5	339.0	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.2	0	6
7	1449.6	341.7	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.2	0	7
8	1449.7	344.3	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.2	0	8
9	1449.8	347.0	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.2	0	9
10	1449.9	349.6	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	0	10
11	1450.0	352.3	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	0	11
12	1450.2	357.8	1.9	0	1451.7	400.0	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	0	12
13	1450.3	360.6	1.9	0	1451.6	402.8	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	0	13
14	1450.4	363.4	1.9	0	1451.8	402.8	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	0	14
15	1450.5	366.2	1.8	0	1451.8	402.8	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	.1	15
16	1450.7	371.7	1.2	0	1451.8	402.8	.6	0	1452.1	411.4	.2	0	1451.8	402.8	.1	.2	16
17	1450.8	374.5	1.2	0	1451.9	405.6	.6	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.2	17
18	1450.9	377.2	1.2	0	1451.9	405.6	.6	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.3	18
19	1451.0	380.0	1.2	0	1451.9	405.6	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.3	19
20	1451.1	382.8	1.2	0	1451.9	405.6	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.3	20
21	1451.1	382.8	1.2	0	1452.0	408.5	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.3	21
22	1451.1	382.8	1.1	0	1452.0	408.5	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.2	22
23	1451.2	385.7	1.1	0	1452.0	408.5	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.2	23
24	1451.2	385.7	1.1	0	1452.0	408.5	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.1	24
25	1451.3	388.6	1.1	0	1452.0	408.5	.5	0	1452.0	408.5	.2	0	1451.7	400.0	.1	.1	25
26	1451.3	388.6	1.1	0	1452.0	408.5	.5	0	1451.9	405.6	.2	0	1451.7	400.0	.1	0	26
27	1451.4	391.4	1.1	0	1452.0	408.5	.5	0	1451.9	405.6	.2	0	1451.7	400.0	.1	0	27
28	1451.4	391.4	1.1	0	1452.1	411.4	.5	0	1451.9	405.6	.2	0	1451.5	394.2	.1	1.7	28
29	1451.4	391.4	1.1	0	1452.1	411.4	.5	0	1451.9	405.6	.2	0	1451.2	385.7	.1	3.0	29
30	1451.5	394.2	1.1	0	1452.1	411.4	.5	0	1451.9	405.6	.2	0	1451.0	380.0	.1	3.0	30
31					1452.1	411.4	.5	0	1451.9	405.6	.2	0					31
TOTAL			45.5	0			17.3	0			6.4	0			3.9	10.0	
Inf. Ac. Ft.			90.2				34.3				12.7				7.7	3206.0	
Outf. Ac. Ft.			0 + (11.7)				0 + (17.1)				0 + (18.4)				19.8 + (13.5)	2664.5 + (87.0)	
Minimum			1.9				0.6				0.3				0.2	223.6	
Mean Daily Inflow																	
Minimum			1.1				0.5				0.2				0.1	0.02	
Mean Daily Inflow																	
Storage Change		+ 78.5				+ 17.2				- 5.8				- 25.6		+ 270.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1460.4	feet	on	12/2/61	Storage	649.9	Acre Feet				
Min. W. S. Elev.	1399.4	feet	on	3/27/62	Storage	0	Acre Feet				
Max. Peak Inf.	2522.	C.F.S. from	2:15 P.M.	on	11/20/61	to	2:30 P.M.	on	11/20/61		
Max. Peak Outf.	215.	C.F.S. from	9:50 A.M.	on	12/3/61	to	10:35 A.M.	on	12/3/61		

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
J.L. REVIS	Dam Tender	Gage Hts. copied	RAP TS	
R.J. SARASUA	Hydrographer	Storage applied	RAP TS	
	Hydrographer	Inf. & Outf. comp.	RAP TS	

REMARKS ( ) INDICATES EVAPORATION LOSSES.
< > INDICATES AVERAGE FOR PERIOD.

74D132N-68B Gb 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1963

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of April 1962 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	1450.9	359.2 1/	.1	1.4	1435.2	106.4	.5	.1	1437.1	129.4	.6	.1	1439.4	159.4	.6	.1	1
2	1447.7	294.1	.1	32.8	1435.3	107.6	.5	.1	1437.2	130.6	.6	.1	1439.4	159.4	.6	.1	2
3	1445.8	256.7	.1	18.9	1435.3	107.6	.5	.1	1437.3	131.9	.6	.1	1439.5	160.8	.6	.1	3
4	1445.5	251.5	.1	2.6	1435.4	108.8	.5	.1	1437.3	131.9	.6	.1	1439.6	162.2	.7	.1	4
5	1445.2	246.3	.2	2.8	1435.4	108.8	.5	.1	1437.4	133.2	.6	.1	1439.7	163.5	.7	.1	5
6	1444.8	239.7	.4	3.3	1435.5	110.0	.5	.1	1437.5	134.4	.6	.1	1439.8	164.9	.7	.1	6
7	1444.5	234.8	.4	3.3	1435.6	111.1	.5	.1	1437.6	135.7	.6	.1	1439.8	164.9	.7	.1	7
8	1444.1	228.3	.4	3.3	1435.6	111.1	.5	.1	1437.6	135.7	.6	.1	1439.9	166.2	.7	.1	8
9	1443.7	222.0	.5	3.4	1435.6	111.1	.5	.1	1437.7	137.0	.6	.1	1440.0	167.6	.7	.1	9
10	1443.3	215.8	.5	3.5	1435.7	112.3	.5	.1	1437.8	138.3	.6	.1	1440.5	174.6	3.6	.1	10
11	1442.9	209.7	.5	3.6	1435.8	113.5	.5	.1	1437.8	138.3	.6	.1	1440.6	176.1	.9	.1	11
12	1442.5	203.7	.5	3.6	1435.8	113.5	.5	.1	1437.9	139.5	.6	.1	1440.7	177.5	.9	.1	12
13	1442.1	197.7	.5	3.6	1435.9	114.6	.5	.1	1438.0	140.8	.6	.1	1440.8	178.9	.8	.1	13
14	1441.8	193.3	1.4	3.6	1436.0	115.8	.5	.1	1438.0	140.8	.6	.1	1440.9	180.3	.8	.1	14
15	1441.4	187.5	.6	3.5	1436.0	115.8	.5	.1	1438.1	142.1	.6	.1	1441.0	181.7	.8	.1	15
16	1441.0	181.7	.6	3.5	1436.1	117.0	.6	.1	1438.2	143.4	.6	.1	1441.1	183.2	.8	.1	16
17	1440.6	176.1	.6	3.5	1436.2	118.3	.6	.1	1438.3	144.8	.6	.1	1441.2	184.6	.8	.1	17
18	1440.2	170.4	.6	3.5	1436.2	118.3	.6	.1	1438.4	146.1	.6	.1	1441.3	186.0	.8	.1	18
19	1439.9	166.2	1.5	3.5	1436.3	119.5	.6	.1	1438.4	146.1	.6	.1	1441.4	187.5	.8	.1	19
20	1439.5	160.6	1.1	3.5	1436.3	119.5	.6	.1	1438.5	147.4	.6	.1	1441.4	187.5	.8	.1	20
21	1439.1	155.4	1.1	3.5	1436.4	120.7	.6	.1	1438.5	147.4	.6	.1	1441.5	189.0	.8	.1	21
22	1438.7	150.0	1.1	3.6	1436.5	122.0	.6	.1	1438.6	148.7	.6	.1	1441.6	190.4	.8	.1	22
23	1438.3	144.8	1.1	3.6	1436.5	122.0	.6	.1	1438.7	150.0	.6	.1	1441.7	191.8	.8	.1	23
24	1438.0	140.8	1.0	3.6	1436.6	123.2	.6	.1	1438.8	151.4	.7	.1	1441.8	193.3	.8	.1	24
25	1437.5	134.4	1.0	3.6	1436.7	124.4	.6	.1	1438.9	152.7	.7	.1	1441.9	194.8	.8	.1	25
26	1437.2	130.6	1.0	3.6	1436.8	125.6	.6	.1	1438.9	152.7	.6	.1	1442.0	196.2	.8	.1	26
27	1436.7	124.4	1.0	3.6	1436.8	125.6	.6	.1	1439.0	154.0	.6	.1	1442.1	197.7	.9	.1	27
28	1436.3	119.5	1.0	3.6	1436.9	126.9	.6	.1	1439.1	155.4	.6	.1	1442.2	199.2	.9	.1	28
29	1435.9	114.6	1.0	3.5	1437.0	128.1	.6	.1	1439.1	155.4	.6	.1	1442.3	200.7	.9	.1	29
30	1435.4	108.8	1.0	3.5	1437.1	129.4	.6	.1	1439.2	156.7	.6	.1	1442.4	202.2	.9	.1	30
31	1435.1	105.3	1.0	2.7					1439.3	158.1	.6	.1	1442.5	203.7	.9	.1	31
TOTAL			22.0	149.1			16.5	3.0			18.8	3.1			27.1	3.1	
Inf. Ac. Ft.			43.6				32.7				37.3				53.8	167.4	
Outf. Ac. Ft.			295.7 + (22.6) 2/				6.0 + 2.6				6.1 + (2.4)				6.1 + (2.0)	313.9 + (29.6) 2/	
Minimum Mean Daily Inflow			1.5				0.6				0.7				3.6	3.6	
Minimum Mean Daily Inflow			0.1				0.5				0.6				0.6	0.1	
Storage Change		- 274.7				+ 24.1				+ 28.7				+ 45.6		-176.3	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1450.9	feet	on	10/1-10/2/62	Storage	359.2	Acre Feet				
Min. W. S. Elev.	1435.1	feet	on	10/31-11/1/62	Storage	105.3	Acre Feet				
Max. Peak Inf.	440.	C.F.S. from	7:00 P.M.	on	2/9/63	to	7:15 P.M.	on	2/9/63		
Max. Peak Outf.	404.	C.F.S. from	7:25 P.M.	on	2/9/63	to	7:35 P.M.	on	2/9/63		

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
J.L. REVIS	Dam Tender	Gage Hts. copied	RAP AJF	10/9/63
R.J. SARASUA	Hydrographer	Storage applied	RAP AJF	
	Hydrographer	Inf. & Outf. comp.	RAP AJF	

REMARKS < > INDICATES AVERAGE FOR PERIOD.
( ) INDICATES EVAPORATION LOSS. 1/ STORAGE TABLE IN ERROR AT THIS ELEVATION. 2/ INCLUDES ESTIMATED 18.0 A.F. LOSS DUE TO SILTATION.

74D138N-68B Ob 12-57

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1963

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of April 1962 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	1442.7	206.7	1.6	.1	1445.4	249.8	1.1	.1	1442.7	206.7	1.5	.1	1443.5	219.0	1.7	.1	1
2	1442.9	209.7	.8	.1	1445.6	253.2	1.1	.1	1442.9	209.7	1.4	.1	1443.6	220.5	1.7	.1	2
3	1443.0	211.2	.8	.1	1445.7	254.9	1.1	.1	1443.0	211.2	1.4	.1	1443.8	223.6	1.7	.2	3
4	1443.0	211.2	.8	.1	1445.8	256.7	1.1	.1	1443.2	214.3	1.4	.1	1444.0	226.7	1.6	.2	4
5	1443.1	212.8	.8	.1	1445.9	258.4	1.1	.1	1443.3	215.8	1.4	.1	1444.2	229.9	1.6	.2	5
6	1443.2	214.3	.8	.1	1446.0	260.1	1.2	.1	1443.4	217.4	1.3	.1	1444.3	231.6	1.6	.3	6
7	1443.2	214.3	.8	.1	1446.0	260.1	1.2	.1	1443.6	220.5	1.3	.1	1444.4	233.2	1.5	.3	7
8	1443.3	215.8	.7	.1	1446.2	263.8	1.2	.1	1443.7	222.0	1.3	.1	1444.6	236.4	1.5	.3	8
9	1446.0	260.1	81.4	59.1	1446.3	265.7	1.2	.1	1443.9	225.2	1.3	.1	1444.7	238.0	1.5	.3	9
10	1440.5	1746	39.9	83.0	1446.4	267.6	1.2	.1	1444.0	226.7	1.2	.1	1444.8	239.7	1.5	.2	10
11	1441.5	1890	7.5	.2	1446.5	269.4	1.2	.1	1444.1	228.3	1.0	.1	1444.9	241.3	1.3	.3	11
12	1442.0	1962	3.9	.2	1446.6	271.3	1.2	.1	1444.2	229.9	1.0	.1	1445.0	242.9	1.2	.3	12
13	1442.3	2007	2.5	.2	1446.7	2732	1.2	.1	1444.3	231.6	1.1	.1	1445.1	244.6	1.2	.3	13
14	1442.9	209.7	4.7	.2	1446.8	275.1	1.2	.1	1443.2	214.3	1.4	10.2	1445.2	246.3	1.2	.2	14
15	1443.3	215.8	3.4	.2	1447.0	278.6	2.0	.1	1442.8	208.2	4.0	7.0	1445.2	246.3	1.2	.2	15
16	1443.5	219.0	1.8	.2	1448.0	300.6	11.1	.1	1442.9	209.7	1.0	.2	1445.3	248.1	1.2	.2	16
17	1443.8	223.6	1.8	.1	1448.6	315.7	7.7	.1	1443.1	212.8	1.8	.2	1445.4	249.8	1.2	.2	17
18	1444.0	226.7	1.8	.1	1449.0	325.7	5.1	.1	1443.3	215.8	1.8	.2	1445.5	251.5	1.2	.2	18
19	1444.2	229.9	1.8	.1	1449.2	331.0	1.3	.1	1443.5	219.0	1.9	.2	1445.5	251.5	1.2	.2	19
20	1444.3	231.6	1.7	.1	1449.4	324.0 1/	1.3	.1	1443.9	225.2	3.4	.2	1445.6	253.2	1.2	.2	20
21	1444.5	234.8	1.4	.1	1446.0	260.1	1.3	34.6	1444.6	236.4	5.9	.2	1445.7	254.9	1.2	.2	21
22	1444.7	238.0	1.4	.1	1442.1	197.7	1.2	34.6	1444.8	239.7	2.0	.2	1445.8	256.7	1.2	.2	22
23	1444.8	239.7	1.3	.1	1442.4	202.2	2.5	.2	1445.0	242.9	1.7	.2	1445.9	258.4	1.2	.2	23
24	1444.9	241.3	1.3	.1	1442.7	206.7	2.4	.2	1445.1	244.6	1.7	.2	1446.0	260.1	1.2	.2	24
25	1445.0	242.9	1.3	.1	1442.9	209.7	1.6	.2	1445.3	248.1	1.7	.2	1446.1	262.0	1.2	.3	25
26	1445.1	244.6	1.1	.1	1443.1	212.8	1.6	.2	1442.2	199.2	7.7	32.4	1445.2	263.8	1.2	.2	26
27	1445.2	246.3	1.1	.1	1443.2	214.3	1.6	.2	1442.6	205.2	3.4	.2	1446.3	265.7	1.2	.2	27
28	1445.3	248.1	1.0	.1	1441.8	193.3	2.9	13.5	1442.9	209.7	2.5	.2	1446.4	267.6	1.2	.2	28
29					1442.1	197.7	2.4	.1	1443.1	212.8	1.9	.2	1446.5	269.4	1.2	.2	29
30					1442.3	200.7	1.7	.1	1443.3	215.8	1.8	.2	1446.6	271.3	1.2	.2	30
31					1442.5	203.7	1.7	.1					1446.7	273.2	1.2	.2	31
TOTAL			169.2	145.3			71.9	86.0			62.2	53.7			41.2	9.5	
Inf. Ac. Ft.			335.6				142.6				123.4				81.7	850.7	
Outf. Ac. Ft.			288.2 + (3.0)				170.6 + (16.5) 3/				106.5 + (4.8)				18.8 + (5.6)	690.0 + (59.5) 4/	
Maximum Mean Daily Inflow			81.4				11.1				7.7				1.7	81.4	
Minimum Mean Daily Inflow			0.7				1.1				1.0				1.2	0.7	
Storage Change		+ 44.4				- 44.4				+ 12.1				+ 57.4		- 106.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1450.9	feet	on	10/1-10/2/62	Storage	377.2	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.	1435.1	feet	on	10/31-11/1/62	Storage	105.3	Acre Feet	J.L. REVIS	Dam Tender	
Max. Peak Inf.	440.	C.F.S. from	7:00 P.M.	on 2/9/63	to	7:15 P.M.	on 2/9/63	R.J. SARASUA	Hydrographer	
Max. Peak Outf.	404.	C.F.S. from	7:25 P.M.	on 2/9/63	to	7:35 P.M.	on 2/9/63		Hydrographer	

COMPUTATIONS	chd.	Date
Gage Hts. copied	RAP AJF	10/9/63
Storage applied	RAP AJF	10/9/63
Inf. & Outf. comp.	RAP AJF	10/9/63

REMARKS ( ) INDICATES AVERAGE FOR PERIOD. ( ) INDICATES EVAPORATION LOSS.

1/ STORAGE TABLE IN ERROR AT THIS ELEVATION.

3/ INCLUDES ESTIMATED 12.3 A.F. LOSS DUE TO SILTATION.

4/ INCLUDES TOTAL ESTIMATED 30.3 A.F. LOSS PREVIOUSLY NOTED.

74D138N-68B Ob 12-57

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam

In San Dimas Canyon for the Year Ending September 30, 1963

On

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 16.2 Square Miles. Capacity of Reservoir 728.9 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of April 1962 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	1446.8	275.1	1.5	.2	1448.9	323.2	.5	.3	1448.2	305.6	.2	.2	1444.1	228.3	.3	2.7	1
2	1446.9	276.9	1.5	.2	1448.9	323.2	.5	.3	1448.2	305.6	.2	.2	1443.8	223.6	.3	2.7	2
3	1447.0	278.8	1.5	.2	1448.9	323.2	.5	.3	1448.2	305.6	.2	.2	1443.5	219.0	.3	2.7	3
4	1447.1	2810	1.5	.2	1448.9	323.2	.5	.3	1448.2	305.6	.2	.2	1443.2	214.3	.3	2.7	4
5	1447.2	2832	1.5	.2	1448.9	323.2	.5	.3	1448.2	305.6	.2	.2	1442.9	209.7	.4	2.6	5
6	1447.4	287.5	1.5	.2	1448.9	3232	.5	.3	1448.2	305.6	.2	.2	1442.6	205.2	.4	2.6	6
7	1447.5	289.7	1.4	.2	1449.0	325.7	.5	.3	1448.2	305.6	.2	.2	1442.3	200.7	.4	2.6	7
8	1447.6	291.9	1.4	.2	1449.0	325.7	.5	.3	1448.2	305.6	.2	.1	1442.0	196.2	.4	2.6	8
9	1447.7	294.1	1.4	.2	1449.0	325.7	.5	.3	1448.2	305.6	.2	.1	1441.6	190.4	.4	2.6	9
10	1447.8	296.2	1.4	.2	1449.0	325.7	.4	.3	1448.2	305.6	.2	.1	1441.3	186.0	.4	2.6	10
11	1447.9	298.4	1.2	.2	1449.0	325.7	.4	.3	1448.1	303.1	.2	.1	1441.0	181.7	.5	2.6	11
12	1448.0	300.6	1.2	.2	1449.0	325.7	.4	.3	1448.1	303.1	.2	.1	1440.7	177.5	.5	2.7	12
13	1448.0	300.6	1.2	.2	1449.0	325.7	.4	.3	1448.1	303.1	.2	.1	1440.4	173.2	.5	2.7	13
14	1448.1	303.1	1.2	.2	1449.0	325.7	.4	.3	1448.1	303.1	.2	.1	1440.0	167.6	.5	2.7	14
15	1448.2	305.6	1.2	.2	1448.8	320.7	.4	2.4	1448.1	303.1	.2	.1	1439.7	163.5	.5	2.9	15
16	1448.3	308.1	1.2	.2	1448.4	310.6	.4	3.5	1448.1	303.1	.2	.1	1439.3	158.1	.5	2.9	16
17	1448.3	308.1	1.1	.2	1448.4	310.6	.4	1.3	1448.1	303.1	.2	.1	1439.1	155.4	1.9	3.1	17
18	1448.4	310.6	1.1	.1	1448.4	310.6	.4	.2	1448.1	303.1	.2	.1	1439.6	162.2	5.9	2.3	18
19	1448.4	310.6	1.1	.1	1448.4	310.6	.4	.2	1447.9	298.4	.2	1.8	1439.9	166.2	2.4	.2	19
20	1448.5	313.2	1.1	.1	1448.4	310.6	.4	.2	1447.6	291.9	.2	2.6	1439.9	166.2	.4	.2	20
21	1448.5	313.2	.9	.1	1448.3	308.1	.4	.2	1447.4	287.5	.1	2.4	1440.0	167.6	1.1	.2	21
22	1448.6	315.7	.9	.2	1448.3	308.1	.4	.2	1447.1	281.0	.1	2.4	1440.0	167.6	.5	.2	22
23	1448.6	315.7	.9	.2	1448.3	308.1	.4	.2	1446.8	275.1	.1	2.4	1440.0	167.6	.5	.2	23
24	1448.7	318.2	.9	.2	1448.3	308.1	.4	.2	1446.5	269.4	.1	2.6	1440.1	169.0	.5	.2	24
25	1448.8	320.7	.9	.2	1448.3	308.1	.4	.2	1446.2	263.8	.1	2.6	1440.1	169.0	.5	.2	25
26	1448.8	320.7	.9	.2	1448.3	308.1	.4	.2	1445.9	258.4	.1	2.6	1440.1	169.0	.5	.2	26
27	1448.8	320.7	.9	.2	1448.3	308.1	.4	.2	1445.6	253.2	.1	2.6	1440.2	170.4	.5	.2	27
28	1448.8	320.7	.8	.2	1448.3	308.1	.4	.2	1445.3	248.1	.1	2.7	1440.2	170.4	.4	.2	28
29	1448.9	323.2	.8	.2	1448.3	308.1	.4	.2	1445.0	242.9	.1	2.7	1440.2	170.4	.4	.2	29
30	1448.9	323.2	.8	.2	1448.2	305.6	.4	.3	1444.7	238.0	.1	2.7	1440.2	170.4	.4	.2	30
31					1448.2	305.6	.4	.2	1444.4	233.2	.1	2.7					31
TOTAL			34.9	5.6			13.3	14.3			5.1	35.3			22.5	50.7	
Inf. Ac. Ft.			69.2				26.4				10.1				44.6	1001.0	
Outf. Ac. Ft.			11.1 + (8.1)				28.4 + (15.7)				70.0 + (12.5)				100.6 + (6.9)	1108.1 + (102.7) 4/	
Maximum Mean Daily Inflow			1.5				0.5				0.2				5.9	81.4	
Minimum Mean Daily Inflow			0.8				0.4				0.1				0.3	0.1	
Storage Change		+ 50.0				- 17.6				- 72.4				- 62.8		- 209.6	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1450.9	feet	on	10/1-10/2/62	Storage	377.2	Acre Feet	RECORDS COLLECTED BY		
Min. W. S. Elev.	1435.1	feet	on	10/31-11/1/62	Storage	105.3	Acre Feet	J.L. REVIS	Dam Tender	
Max. Peak Inf.	440.	C.F.S. from	7:00 P.M.	on 2/9/63	to	7:15 P.M.	on 2/9/63	R.J. SARASUA	Hydrographer	
Max. Peak Outf.	404.	C.F.S. from	7:25 P.M.	on 2/9/63	to	7:35 P.M.	on 2/9/63		Hydrographer	

COMPUTATIONS	chd.	Date
Gage Hts. copied	RAP TS AJF	
Storage applied	RAP AJF	
Inf. & Outf. comp.	RAP AJF TS	

REMARKS ( ) INDICATES AVERAGE FOR PERIOD. ( ) INDICATES EVAPORATION LOSS.

4/ INCLUDES TOTAL ESTIMATED 30.3 A.F. LOSS PREVIOUSLY NOTED

76D138N-68B Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 108.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of November 1961 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1138.0	0	0	0	1138.0	0	0	0	1143.0	0	0	1.0			0	0	1
2	1138.0	0	0	0	1138.0	0	0	0	1149.0	41.0	2/ 75.3	50.4			0	0	2
3	1138.0	0	0	0	1138.0	0	0	0	1152.2	77.1	45.6	24.4			0	0	3
4	1138.0	0	0	0	1138.0	0	0	0	1150.2	53.6	34.3	43.0			0	0	4
5	1138.0	0	0	0	1138.0	0	0	0	1148.0	31.1	48.6	58.1			0	0	5
6	1138.0	0	0	0	1138.0	0	0	0	1146.9	21.3	0	3.0			0	0	6
7	1138.0	0	0	0	1138.0	0	0	0	1145.5	10.5	0	3.0			0	0	7
8	1138.0	0	0	0	1138.0	0	0	0	1145.0	6.9	0	.3			0	0	8
9	1138.0	0	0	0	1138.0	0	0	0	1145.0	6.9	0	0		NO STORAGE	0	0	9
10	1138.0	0	0	0	1138.0	0	0	0	1145.0	6.9	0	0			0	0	10
11	1138.0	0	0	0	1138.0	0	0	0	1145.1	7.6	.4	0			0	0	11
12	1138.0	0	0	0	1138.0	0	0	0	1145.1	7.6	0	0			0	0	12
13	1138.0	0	0	0	1138.0	0	0	0	1145.1	7.6	0	0			0	0	13
14	1138.0	0	0	0	1138.0	0	0	0	1145.1	7.6	0	0			0	0	14
15	1138.0	0	0	0	1138.0	0	0	0	1145.1	7.6	0	0			0	0	15
16	1138.0	0	0	0	1138.0	0	0	0	1144.5	3.5	0	0			0	0	16
17	1138.0	0	0	0	1138.0	0	0	0	1144.5	3.5	0	0			0	0	17
18	1138.0	0	0	0	1138.0	0	0	0	1144.5	3.5	0	0			0	0	18
19	1138.0	0	0	0	1138.0	0	0	0	1144.5	3.5	0	0			0	0	19
20	1138.0	0	0	0	1146.0	41.9	86.6	64.5	1144.4	2.8	0	0			0	0	20
21	1138.0	0	0	0	1148.1	38.5	1/ 27.5	17.5	1144.4	2.8	0	0	1145.5	10.5	74.3	68.5	21
22	1138.0	0	0	0	1149.2	49.5	7.5	0	1144.4	2.8	0	0	1145.5	10.5	1.1	.6	22
23	1138.0	0	0	0	1148.8	45.4	.1	0	1144.4	2.8	0	0	1146.3	16.6	72.6	69.0	23
24	1138.0	0	0	0	1148.6	43.4	0	0	1144.4	2.8	0	0	1145.5	10.5	47.4	50.0	24
25	1138.0	0	0	0	1148.2	39.5	3.6	4.7	1144.4	2.8	0	0	1145.4	9.8	0	0	25
26	1138.0	0	0	0	1147.5	33.0	0	2.9	1144.4	2.8	0	0	1145.4	9.8	0	0	26
27	1138.0	0	0	0	1146.8	26.9	0	2.9	1144.4	2.8	0	0	1145.4	9.8	0	0	27
28	1138.0	0	0	0	1146.2	22.2	0	1.9	1144.4	2.8	0	0	1144.3	2.1	0	.5	28
29	1138.0	0	0	0	1144.9	12.6	0	3.4	1144.0	0	0	0	1144.1	.7	0	0	29
30	1138.0	0	0	0	1143.7	4.5	0	.7	1144.0	0	0	0	1144.0	0	0	0	30
31	1138.0	0	0	0					1144.0	0	0	0		0	0	0	31
TOTAL			0	0			125.3	98.5			204.2	183.2			195.4	188.6	
Inf. Ac. Ft.			0				248.5				405.0				387.6	1041.1	
Outf. Ac. Ft.			0				195.4 + 48.7 1/				363.4 + (46.2) 2/				374.1 + (13.5)	932.9 + (108.4)	
Maximum Mean Daily Inflow			0				86.6				75.3				74.3	86.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0					+ 4.5 1/				- 4.5 2/			0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1152.2	feet	on 12/3 – 4/61	Storage	104.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1138.0	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP AJF 8/2/63
Max. Peak Inf.	2106.	C.F.S. from	3:15 P.M. on 11/20/61	to	3:30 P.M.	on 11/20/61	R.J. SARASUA	Hydrographer	Storage applied	RAP AJF
Max. Peak Outf.	625.	C.F.S. from	3:15 P.M. on 11/20/61	to	3:30 P.M.	on 11/20/61		Hydrographer	Inf. & Outf. comp.	RAP AJF TS

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.
1/ ESTIMATE 21.3 A.F. LOSS DUE TO SILTATION.
2/ ESTIMATE TOTAL 27.7 A.F. LOSS DUE TO SILTATION. INCLUDES 21.3 A.F. LOSS PREVIOUSLY NOTED.

76D138N-68B Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 2.64 Square Miles. Capacity of Reservoir 108.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of November 1961 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0	1146.4	17.4	74.0	70.1	1147.1	3.3	0	0			0	0	1
2		NO STORAGE	0	0	1147.7	28.4	77.0	71.1	1147.0	2.4	0	0			0	0	2
3			0	0	1149.1	42.1	10.0	2.7	1147.0	2.4	0	0			0	0	3
4			0	0	1149.7	48.4	6.4	2.8	1146.9	1.6	0	0			0	0	4
5			0	0	1145.5	10.5	5.0	23.7	1146.7	0	0	.6			0	0	5
6			0	0	1145.5	10.5	.6	.2			0	0			0	0	6
7	1144.2	1.4	.7	0	1149.8	49.5	21.0	.9			0	0			0	0	7
8	1145.9	13.5	23.5	17.0	1150.0	51.6	9.4	8.0			0	0			0	0	8
9	1146.0	14.2	74.8	74.0	1150.4	56.0	9.0	6.4			0	0			0	0	9
10	1145.9	13.5	63.4	63.4	1149.7	48.4	9.0	12.4			0	0			0	0	10
11	1146.2	15.8	98.6	97.0	1149.8	49.5	7.0	6.0			0	0			0	0	11
12	1145.7	12.0	152.4	154.0	1149.7	48.4	5.0	5.2			0	0			0	0	12
13	1145.4	9.8	.9	1.6	1149.7	48.4	4.0	3.6			0	0			0	0	13
14	1145.3	9.1	.1	0	1149.7	48.4	4.0	3.6			0	0			0	0	14
15	1145.6	11.3	7.3	5.8	1149.7	48.4	4.0	3.6			0	0			0	0	15
16	1145.5	10.5	7.2	7.2	1149.9	50.5	5.0	3.5			0	0			0	0	16
17	1146.2	15.8	46.1	43.0	1150.0	51.6	5.0	4.1			0	0			0	0	17
18	1145.5	10.5	67.7	70.0	1150.0	51.6	5.0	4.6			0	0			0	0	18
19	1145.9	13.5	31.5	29.6	1149.9	50.5	8.0	8.1		NO STORAGE	0	0		NO STORAGE	0	0	19
20	1146.3	16.6	82.4	80.4	1149.9	50.5	6.0	5.6			0	0			0	0	20
21	1144.5	3.5	16.9	23.1	1150.0	51.6	5.0	4.1			0	0			0	0	21
22			.4	.6	1150.3	54.9	11.0	8.9			0	0			0	0	22
23			.5	.5	1149.8	49.5	9.0	11.3			0	0			0	0	23
24		POOL	.6	.6	1149.9	50.5	5.0	4.1			0	0			0	0	24
25			.4	.4	1149.9	50.5	5.0	4.6			0	0			0	0	25
26			.2	.2	1149.9	50.5	5.0	4.6			0	0			0	0	26
27	1146.2	15.8	70.4	62.0	1149.8	49.5	5.0	5.1			0	0			0	0	27
28	1145.5	10.5	56.7	59.0	1149.4	45.2	5.0	6.8			0	0			0	0	28
29					1147.8	29.3	0	7.6			0	0			0	0	29
30					1147.4	25.7	0	1.4			0	0			0	0	30
31					1147.2	4.2	3/ 0	.5			0	0			0	0	31
TOTAL			802.7	789.6			324.4	305.2			0	0.6			0	0	
Inf. Ac. Ft.			1592.1				643.4				0				0	3276.6	
Outf. Ac. Ft.			1566.1 + (15.4)				605.4 + (44.3) 3/				1.2 + (3.0)				0	3105.6 + (171.1)	
Maximum Mean Daily Inflow			152.4				77.0				0				0	152.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 10.5					- 6.3				- 4.2			0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1152.2	feet	on 12/3-4/61	Storage	104.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1138.0	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP AJF 8/7/63
Max. Peak Inf.	2106.	C.F.S. from	3:15 P.M. on 11/20/61	to	3:30 P.M.	on 11/20/61	R.J. SARASUA	Hydrographer	Storage applied	RAP AJF
Max. Peak Outf.	625.	C.F.S. from	3:15 P.M. on 11/20/61	to	3:30 P.M.	on 11/20/61		Hydrographer	Inf. & Outf. comp.	RAP AJF TS

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES
3/ ESTIMATE 19.7 A.F. LOSS DUE TO SILTATION. TOTAL LOSS 47.4 A.F.

76D138N-68B Gth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1962

Drainage Area 2.64 Square Miles. Capacity of Reservoir 108.6 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of November 1961

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	3276.6	
Outf. Ac. Ft.			0				0				0				0	3105.6 + (171.1)	
Maximum Mean Daily Inflow			0				0				0				0	152.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1152.2	feet	on	12/3-4/62	Storage	104.8	Acre Feet			
Min. W. S. Elev.	1138.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	2106.	C.F.S. from	3:15 P.M.	on	11/20/61	to	3:30 P.M.	on	11/20/61	
Max. Peak Outf.	625.	C.F.S. from	3:15 P.M.	on	11/20/61	to	3:30 P.M.	on	11/20/61	

RECORDS COLLECTED BY

Dam Tender	
Hydrographer	R.J. SARASUA
Hydrographer	

COMPUTATIONS ckd. Date

Gage Hts. copied	RAP	AJF
Storage applied	RAP	AJF
Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Gth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

~~In~~ On San Dimas Wash for the Year Ending September 30, 1963

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of October 1962

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	1.1340	1.4	.7	0		+	0	0			0	0		0	0	0	1
2	1.1411	50.0	28.5	0			0	0			0	0		0	0	0	2
3	1.1423	63.6	10.9	0			0	0			0	0		0	0	0	3
4	1.1416	57.9	1.6	0			0	0			0	0		0	0	0	4
5	1.1413	52.3	1.6	0			0	0			0	0		0	0	0	5
6	1.1409	47.9	2.3	0			0	0			0	0		0	0	0	6
7	1.1407	45.6	2.3	0			0	0			0	0		0	0	0	7
8	1.1404	42.8	2.3	0			0	0			0	0		0	0	0	8
9	1.1400	38.7	2.4	0			0	0			0	0		0	0	0	9
10	1.1396	35.1	2.5	0			0	0			0	0	1.1346	3.0	1.5	0	10
11	1.1394	33.2	2.6	0			0	0			0	0	1.1337	1.1	0	0	11
12	1.1391	30.5	2.6	0			0	0			0	0	1.1330	.3	0	0	12
13	1.1391	30.5	2.6	0			0	0			0	0	1.1329	.3	0	0	13
14	1.1393	32.3	2.6	0			0	0			0	0	1.1328	.2	0	0	14
15	1.1395	34.2	2.5	0			0	0			0	0	1.1327	.2	0	0	15
16	1.1396	35.1	2.5	0			0	0			0	0	1.1326	.2	0	0	16
17	1.1397	36.0	2.5	0			0	0			0	0	1.1325	.2	0	0	17
18	1.1399	37.6	2.5	0			0	0			0	0	1.1324	.2	0	0	18
19	1.1400	38.7	2.5	0			0	0			0	0	1.1323	.1	0	0	19
20	1.1402	40.7	2.5	0			0	0			0	0	1.1322	.1	0	0	20
21	1.1403	41.6	2.5	0			0	0			0	0	1.1321	.1	0	0	21
22	1.1404	42.6	2.6	0			0	0			0	0	1.1320	+	0	0	22
23	1.1405	43.6	2.6	0			0	0			0	0	1.1319		0	0	23
24	1.1406	44.6	2.6	0			0	0			0	0	1.1318		0	0	24
25	1.1389	28.6	2.6	6.6		+	0	0			0	0	1.1317		0	0	25
26	1.1357	7.1	2.6	9.7		0	0	0			0	0	1.1316		0	0	26
27	1.1337	1.1	2.6	2.5			0	0			0	0	1.1315		0	0	27
28	1.1333	.7	2.6	.5			0	0			0	0	1.1314		0	0	28
29	1.1328	.3	2.5	.5			0	0			0	0	1.1313		0	0	29
30	1.1324	.1	2.5	1.3		0	0	0			0	0	1.1312		0	0	30
31	1.1319	+	1.7	1.2							0	0	1.1311	+	0	0	31
TOTAL			108.1	22.5			0	0			0	0			1.5	0	
Inf. Ac. Ft.			214.4				0				0				3.0	217.4	
Outf. Ac. Ft.			44.6 + (169.8)				0				0				0 + (3.0)	44.6 + (172.8)	
Maximum Mean Daily Inflow			28.5				0				0				1.5	28.5	
Minimum Mean Daily Inflow			0.7				0				0				0	0	
Storage Change		0				0				0				0		+	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.8	feet	on	2/9/63	Storage	119.0	Acre Feet			
Min. W. S. Elev.	1130.7	feet	on	VARIOUS SAYS	Storage	0	Acre Feet			
Max. Peak Inf.	640.	C.F.S. from	9:00 P.M.	on	2/9/63	to	9:15 P.M.	on	2/9/63	
Max. Peak Outf.	260.	C.F.S. from	10:30 P.M.	on	2/9/63	to	11:30 P.M.	on	2/9/63	

RECORDS COLLECTED BY

Dam Tender	R.L. REVIS
Hydrographer	R.J. SARASUA
Hydrographer	

COMPUTATIONS ckd. Date

Gage Hts. copied	RAP	AJF 10/10/63
Storage applied	RAP	AJF
Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

76D138N-68B Oh 12-57

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1963

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of October, 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1		+	0	0	1132.1	.1	0	0	1132.0	+	0	+		+	0	0	1
2			0	0	1132.1	.1	0	0	1132.0		0	0			0	0	2
3			0	0	1132.1	.1	0	0	1132.0		0	0			0	0	3
4			0	0	1132.1	.1	0	0	1132.0		0	0			0	0	4
5			0	0	1132.1	.1	0	0	1132.0		0	0			0	0	5
6			0	0	1132.0	+	0	0	1132.0		0	0			0	0	6
7			0	0	1132.0		0	0	1132.0		0	0			0	0	7
8		+	0	0	1132.0		0	0	1132.0		0	0			0	0	8
9	1146.7	117.7	82.3	21.0	1132.0		0	0	1132.0		0	0			0	0	9
10	1145.1	97.4	94.8	100.0	1132.0		0	0	1132.0		0	0			0	0	10
11	1144.2	86.4	1.6	3.3	1132.0		0	0	1132.0		0	0			0	0	11
12	1143.5	78.0	0	2.6	1132.0		0	0	1132.0		0	0			0	0	12
13	1142.3	63.6	0	5.0	1132.0		0	0	1132.0	+	0	0			0	0	13
14	1140.5	43.8	0	8.0	1132.0		0	0	1137.5	18.0	11.0	0			0	0	14
15	1139.3	32.3	0	4.6	1132.0	+	0	0	1137.7	19.4	5.5	3.1			0	0	15
16	1138.7	27.2	0	1.9	1135.4	5.8	4.3	0	1135.1	4.5	0	3.9			0	0	16
17	1138.0	21.5	0	1.9	1135.2	4.9	.9	0	1132.0	+	0	.8			0	0	17
18	1136.9	13.8	0	3.6	1135.0	4.0	0	0	1132.0		0	0			0	0	18
19	1134.0	1.4	0	4.3	1134.8	3.5	0	0	1132.0		0	0			0	0	19
20	1132.5	.2	0	+	1134.7	3.2	0	0	1132.0		0	0			0	0	20
21	1132.4	.2	0	0	1141.4	53.4	30.4	2.6	1132.0		0	0			0	0	21
22	1132.3	.1	0	0	1144.6	91.3	29.1	6.5	1132.0		0	0			0	0	22
23	1132.2	.1	0	0	1143.1	73.1	.9	6.4	1132.0		0	0			0	0	23
24	1132.1	.1	0	0	1141.6	55.6	0	6.0	1132.0		0	0			0	0	24
25	1132.1	.1	0	0	1140.2	40.7	0	5.4	1132.0	+	0	0			0	0	25
26	1132.1	.1	0	0	1138.8	28.0	0	4.6	1140.9	47.9	33.0	5.7			0	0	26
27	1132.1	.1	0	0	1137.4	17.2	0	4.2	1139.2	31.4	.9	7.3			0	0	27
28	1132.1	.1	0	0	1139.0	29.6	12.5	4.1	1138.3	23.9	0	2.4			0	0	28
29					1137.7	19.4	0	4.2	1136.4	10.8	0	4.5			0	0	29
30					1136.1	9.0	0	3.5	1132.0	+	0	2.9			0	0	30
31					1133.3	.7	0	2.2						+	0	0	31
TOTAL			178.9	156.2			78.2	50.2			50.4	30.6			0	0	
Inf. Ac. Ft.			354.8				155.1				100.0				0	827.3	
Outf. Ac. Ft.			309.8 + 44.9				99.6 + (54.9)				60.7 + (39.9)				0	514.7 + (312.5)	
Inclusive Mean Daily Inflow			94.8				30.4				33.0				0	94.8	
Inclusive Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 0.1				+ 0.6				- 0.7				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.8	feet	on	2/9/63	Storage	119.0	Acre Feet					
Min. W. S. Elev.	1130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet					
Max. Peak Inf.	640.	C.F.S. from	9:00 P.M.	on	2/9/63	to	9:15 P.M.	on	2/9/63			
Max. Peak Outf.	260.	C.F.S. from	10:30 P.M.	on	2/9/63	to	11:30 P.M.	on	2/9/63			

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
R.L. REVIS	Dam Tender	Gage Hts. copied	RAP AJF	12/31/63
R.J. SARASUA	Hydrographer	Storage applied	RAP AJF	12/31/63
	Hydrographer	Inf. & Outf. comp.	RAP AJF	12/31/63

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

76D138N-68B Oh 12-57

Daily Gage Height in feet and Operation Record of PUDDINGSTONE DIVERSION Dam

In/On San Dimas Wash for the Year Ending September 30, 1963

Drainage Area 2.64 Square Miles. Capacity of Reservoir 202.8 Ac. Ft. at Spillway Elev. 1152.5 Ft. as of October, 1962

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			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	827.3	
Outf. Ac. Ft.			0				0				0				0	514.7 + (312.5)	
Inclusive Mean Daily Inflow			0				0				0				0	94.8	
Inclusive Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.8	feet	on	2/9/63	Storage	119.0	Acre Feet					
Min. W. S. Elev.	1130.7	feet	on	VARIOUS DAYS	Storage	0	Acre Feet					
Max. Peak Inf.	640.	C.F.S. from	9:00 P.M.	on	2/9/63	to	9:15 P.M.	on	2/9/63			
Max. Peak Outf.	260.	C.F.S. from	10:30 P.M.	on	2/9/63	to	11:30 P.M.	on	2/9/63			

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
R.L. REVIS	Dam Tender	Gage Hts. copied	RAP AJF	12/31/63
R.J. SARASUA	Hydrographer	Storage applied	RAP AJF	12/31/63
	Hydrographer	Inf. & Outf. comp.	RAP AJF	12/31/63

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

76D138N-488 Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In On Puddingstone Creek for the Year Ending September 30, 1962

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091 / 17,190 Ac. Ft. at Spillway Elev. 970. Ft. as of September 1959 / January 1941

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1	930.78	4,561.7	0	0.13	930.29	4,470.6	0	0.13	931.07	4,616.0	1.1	0	933.90	5,079.2	1/ 0.9	0	1
2	930.77	4,559.8	0.43	0.13	930.28	4,468.8	0	0.13	932.60	4,914.0	150.3	0	933.89	5,077.2	0	0	2
3	930.76	4,558.0	1.03	0.13	930.27	4,466.9	0	0.13	932.82	4,957.7	22.6	0	933.88	5,075.1	0	0	3
4	930.73	4,552.4	0	0.13	930.25	4,463.2	0	0.13	933.37	5,069.6	57.0	0	933.87	5,073.0	0	0	4
5	930.72	4,550.5	0.23	0.13	930.24	4,461.3	1.02	0.02	934.05	5,209.9	71.5	0	933.86	5,071.0	0	0	5
6	930.71	4,548.7	0.03	0.13	930.22	4,457.6	0	0.11	934.08	5,216.3	3.9	0	933.86	5,071.0	0.7	0	6
7	930.69	4,545.0	0	0.13	930.21	4,455.7	0.31	0.11	934.09	5,218.5	1.6	0	933.85	5,068.9	0	0	7
8	930.67	4,541.3	0	0.13	930.20	4,453.9	0.41	0.11	934.08	5,216.3	0	0	933.84	5,066.9	0	0	8
9	930.66	4,539.4	0.33	0.13	930.19	4,452.0	0.01	0.11	934.07	5,214.2	0	0	933.84	5,066.9	0.7	0	9
10	930.63	4,533.8	0	0.13	930.18	4,450.2	0	0.11	934.06	5,212.1	0	0	933.83	5,064.8	0.4	0	10
11	930.63	4,533.8	1.43	0.13	930.17	4,448.3	0	0.11	934.05	5,209.9	0	0	933.81	5,060.7	0	0	11
12	930.60	4,528.2	0	0.13	930.16	4,446.4	0.51	0.01	934.04	5,207.8	0	0	933.82	5,062.8	1.3	0	12
13	930.58	4,524.5	0.03	0.13	930.13	4,440.9	0	0.11	934.03	5,205.7	0	0	933.84	5,066.9	2.8	0	13
14	930.56	4,520.8	0.33	0.13	930.11	4,437.1	0	0.11	934.03	5,205.7	0.7	0	933.83	5,064.8	0	0	14
15	930.54	4,517.1	0.13	0.13	930.10	4,435.3	0	0.11	934.02	5,203.6	0	0	933.82	5,062.8	0	0	15
16	930.53	4,515.2	0.73	0.13	930.09	4,433.4	0	0.11	934.01	5,201.4	0	0	933.81	5,060.7	0	0	16
17	930.52	4,513.4	0.03	0.13	930.08	4,431.6	0.01	0.11	934.01	5,201.4	0.4	0	933.81	5,060.7	0.4	0	17
18	930.50	4,509.6	0	0.13	930.07	4,429.7	0	0.11	934.00	5,199.3	0	0	933.80	5,058.6	0	0	18
19	930.49	4,507.8	0.13	0.13	930.06	4,427.9	0	0.11	933.99	5,197.2	0	0	933.80	5,058.6	0.5	0	19
20	930.48	4,505.9	0	0.13	930.78	4,561.7	67.61	0.11	933.98	5,195.2	0	0	935.11	5,335.4	140.1	0	20
21	930.47	4,504.1	0	0.13	930.96	4,595.2	17.70	0	933.98	5,195.2	0.4	0	935.16	5,345.7	5.7	0	21
22	930.46	4,502.2	0.33	0.13	930.96	4,595.2	0.90	0	933.97	5,193.1	0	0	935.72	5,470.6	63.5	0	22
23	930.44	4,498.5	0	0.13	930.95	4,593.3	0	0	933.97	5,193.1	0.7	0	936.10	5,554.5	42.9	0	23
24	930.43	4,496.6	0.23	0.13	930.95	4,593.3	0.60	0	933.96	5,191.1	0	0	936.10	5,554.5	0.5	0	24
25	930.41	4,492.9	0	0.13	931.07	4,616.0	11.90	0	933.95	5,189.0	0	0	936.09	5,552.2	0	0	25
26	930.40	4,491.1	0.03	0.13	931.07	4,616.0	0.40	0	933.95	5,189.0	0.6	0	936.08	5,550.0	0	0	26
27	930.39	4,489.2	0	0.13	931.06	4,614.1	0	0	933.94	5,187.0	0	0	936.08	5,550.0	0.6	0	27
28	930.36	4,483.6	0	0.13	931.06	4,614.1	0.50	0	933.93	5,184.9	0	0	936.07	5,547.7	0	0	28
29	930.33	4,478.0	0	0.13	931.06	4,614.1	0.20	0	933.92	5,182.8	0	0	936.06	5,545.5	0	0	29
30	930.32	4,476.2	0.63	0.13	931.06	4,614.1	0.30	0	933.91	5,180.8	0	0	936.06	5,545.5	0.9	0	30
31	930.30	4,472.5	0	0.13					933.90	5,178.7	0	0	936.05	5,543.2	0	0	31
TOTAL			6.08	4.03			102.38	2.09			310.6	0			261.9	0	
Inf. Ac. Ft.			12.1				203.1				616.5				519.5	1351.2	
Outf. Ac. Ft.			8.0 + (98.9)				4.1 + (57.3)				0 + (51.8)				0 + (55.6)	12.1 + (263.6)	
Maximum Mean Daily Inflow			1.43				67.61				150.3				140.1	150.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 94.8				+ 141.6				+ 564.6				+ 464.0		+ 975.9 1/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	947.40	feet	on	3/29 & 30/62	Storage	8468.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	930.06	feet	on	11/19 & 20/61	Storage	4427.9	Acre Feet	E. A. POLLARD	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	963.	C. F. S. from	6:45 A.M.	on	12/2/61	to	7:00 A.M.	on	12/2/61	R. J. SARASUA	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	4.45	C. F. S. from	12:00 MID.	on	4/2/62	to	12:00 MID.	on	4/3/62		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

1/ 99.5 A.F. LOSS DUE TO SILTATION, CHANGED TO STORAGE TABLE III.

INFLOW, DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

76D138N-488 Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In On Puddingstone Creek for the Year Ending September 30, 1962

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091 Ac. Ft. at Spillway Elev. 970. Ft. as of September 1959

Continuous Water Stage Recorder Au

Gage Heights Read Daily

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	936.04	5,541.0	0	0	945.57	7,940.9	56.4	0	947.37	8,459.9	0	0	946.88	8,316.2	0	.02	1
2	936.03	5,538.7	0	0	946.09	8,088.2	74.7	0	947.36	8,456.9	0	0	946.86	8,310.4	0	.02	2
3	936.03	5,538.7	.7	0	946.16	8,108.4	11.1	0	947.34	8,451.0	2.25	4.45	946.85	8,307.5	.72	.02	3
4	936.03	5,538.7	.6	0	946.17	8,111.3	2.5	0	947.32	8,445.1	0	.15	946.83	8,301.7	0	.02	4
5	936.03	5,538.7	.3	0	946.32	8,154.6	22.2	0	947.32	8,445.1	1.65	.15	946.82	8,298.9	.72	.02	5
6	936.03	5,538.7	.6	0	946.39	8,174.8	11.2	0	947.30	8,439.2	0	.15	946.80	8,293.1	0	.02	6
7	936.07	5,547.7	4.9	0	946.42	8,183.4	5.3	0	947.29	8,436.3	.25	.15	946.78	8,287.3	0	.02	7
8	936.87	5,727.6	90.9	0	946.47	8,197.8	8.0	0	947.27	8,430.4	0	.15	946.77	8,284.4	.62	.02	8
9	937.75	5,930.0	102.1	0	946.56	8,223.8	13.9	0	947.26	8,427.4	0	.15	946.75	8,278.6	0	.02	9
10	938.30	6,058.9	65.3	0	946.63	8,244.0	11.2	0	947.25	8,424.5	.25	.15	946.74	8,275.8	.52	.02	10
11	939.46	6,336.7	140.2	0	946.66	8,252.7	5.3	0	947.23	8,418.6	0	.15	946.72	8,270.0	0	.02	11
12	940.67	6,635.1	150.9	0	946.69	8,261.3	5.5	0	947.22	8,415.7	1.25	.15	946.70	8,264.2	0	.02	12
13	940.70	6,642.6	4.5	0	946.72	8,270.0	5.9	0	947.20	8,409.8	0	.15	946.68	8,258.4	0	.02	13
14	940.70	6,642.6	.2	0	946.75	8,278.6	5.9	0	947.18	8,403.9	0	.15	946.69	8,261.3	2.72	.02	14
15	940.97	6,709.9	34.7	0	946.78	8,287.3	5.6	0	947.16	8,398.0	0	.15	946.69	8,261.3	1.02	.02	15
16	941.12	6,748.1	19.7	0	946.82	8,298.9	6.7	0	947.15	8,395.0	.75	.15	946.70	8,264.2	2.12	.02	16
17	941.42	6,824.8	39.4	0	946.87	8,313.3	8.0	0	947.12	8,386.2	0	.15	946.69	8,261.3	.02	.02	17
18	941.94	6,957.9	67.6	0	946.96	8,339.3	13.6	0	947.11	8,383.2	.15	.15	946.68	8,258.4	0	.02	18
19	943.24	7,300.2	172.8	0	947.01	8,353.7	7.8	0	947.09	8,377.3	0	.15	946.67	8,255.6	.12	.02	19
20	943.99	7,501.9	102.2	0	947.05	8,365.5	6.4	0	947.07	8,371.4	0	.15	946.65	8,249.8	0	.02	20
21	944.34	7,598.2	49.2	0	947.08	8,374.4	5.3	0	947.05	8,365.5	0	.15	946.64	8,246.9	.02	.02	21
22	944.39	7,612.0	7.3	0	947.16	8,398.0	12.5	0	947.03	8,359.6	0	.15	946.62	8,241.1	0	.02	22
23	944.41	7,617.5	3.1	0	947.27	8,430.4	17.3	0	947.01	8,353.7	0	.02	946.61	8,238.2	.62	.02	23
24	944.43	7,623.0	3.2	0	947.29	8,436.3	4.8	0	946.99	8,347.9	0	.02	946.59	8,232.5	0	.02	24
25	944.43	7,623.0	.3	0	947.32	8,445.1	5.9	0	946.97	8,342.1	0	.02	946.58	8,229.6	0	.02	25
26	944.43	7,623.0	.9	0	947.34	8,451.0	4.4	0	946.96	8,339.3	.32	.02	946.57	8,226.7	0	.02	26
27	944.80	7,624.9	52.5	0	947.36	8,456.9	3.6	0	946.95	8,336.4	.32	.02	946.56	8,223.8	0	.02	27
28	945.18	7,830.8	54.5	0	947.38	8,462.8	3.5	0	946.93	8,330.6	0	.02	946.55	8,220.9	0	.02	28
29					947.40	8,468.7	3.6	0	946.92	8,327.7	.32	.02	946.54	8,218.0	.02	.02	29
30					947.40	8,468.7	1.0	0	946.91	8,324.8	.62	.02	946.53	8,215.2	0	.02	30
31					947.39	8,465.8	0	0					946.52	8,212.3	0	.02	31
TOTAL			1,168.6	0			349.1	0			8.13	7.46			9.24	0.62	
Inf. Ac. Ft.			2317.9				692.4				16.1				18.9	4395.9	
Outf. Ac. Ft.			0 + (30.3)				0 + (57.4)				14.8 + (142.3)				1.2 + (129.5)	28.1 + (623.1)	
Maximum Mean Daily Inflow			172.8				74.7				2.25				2.72	172.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 2287.6				+ 635.0				- 141.0				- 112.5		+ 3645.0 1/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	947.40	feet	on	3/29 & 30/62	Storage	8468.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	930.06	feet	on	11/19 & 20/61	Storage	4427.9	Acre Feet	E. A. POLLARD	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	963.	C. F. S. from	6:45 A.M.	on	12/2/61	to	7:00 A.M.	on	12/2/61	R. J. SARASUA	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	4.45	C. F. S. from	12:00 MID.	on	4/2/62	to	12:00 MID.	on	4/3/62		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES.

1/ 99.5 A.F. LOSS DUE TO SILTATION, CHANGED TO STORAGE TABLE III.

INFLOW, DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek On for the Year Ending September 30, 1962

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091 Ac. Ft. at Spillway Elev. 970. Ft. as of September, 1959 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	946.51	8209.4	.22	.02	946.10	8091.1	0	.02	945.49	7918.3	1.12	.02	944.86	7741.4	0	.02	1
2	946.50	8206.5	.52	.02	946.08	8085.3	0	.02	945.47	7912.6	0	.02	944.85	7738.7	1.32	.02	2
3	946.49	8203.6	0	.02	946.06	8079.5	0	.02	945.45	7907.0	.02	.02	944.83	7733.2	.22	.02	3
4	946.48	8200.7	0	.02	946.04	8073.7	0	.02	945.44	7904.2	1.52	.02	944.81	7727.7	.12	.02	4
5	946.47	8197.8	.02	.02	946.02	8068.0	0	.02	945.41	7895.7	0	.02	944.80	7724.9	.92	.02	5
6	946.46	8195.0	0	.02	946.00	8062.2	0	.02	945.39	7890.1	.92	.02	944.77	7716.7	0	.02	6
7	946.45	8192.1	0	.02	945.98	8056.6	.22	.02	945.37	7884.4	.72	.02	944.75	7711.2	0	.02	7
8	946.43	8186.3	0	.02	945.96	8050.9	.52	.02	945.34	7875.9	0	.02	944.73	7705.6	0	.02	8
9	946.42	8183.4	0	.02	945.94	8045.3	.02	.02	945.32	7870.3	.92	.02	944.71	7700.1	0	.02	9
10	946.41	8180.5	0	.02	945.92	8039.6	.22	.02	945.30	7864.7	.62	.02	944.70	7697.4	.52	.02	10
11	946.41	8180.5	1.32	.02	945.89	8031.2	0	.02	945.28	7859.0	.12	.02	944.69	7694.6	.62	.02	11
12	946.40	8177.6	0	.02	945.87	8025.5	0	.02	945.26	7853.4	.42	.02	944.67	7689.1	0	.02	12
13	946.38	8171.9	0	.02	945.86	8022.7	.72	.02	945.24	7847.7	.52	.02	944.65	7683.6	0	.02	13
14	946.37	8169.0	0	.02	945.84	8017.0	0	.02	945.22	7842.1	.62	.02	944.64	7680.9	1.02	.02	14
15	946.36	8166.1	0	.02	945.83	8014.2	.42	.02	945.20	7836.4	.02	.02	944.62	7675.3	0	.02	15
16	946.35	8163.2	0	.02	945.81	8008.6	0	.02	945.18	7830.8	.32	.02	944.61	7672.6	.52	.02	16
17	946.34	8160.3	.12	.02	945.79	8002.9	0	.02	945.16	7825.2	.12	.02	944.60	7669.8	.52	.02	17
18	946.33	8157.4	.92	.02	945.77	7997.3	0	.02	945.14	7819.5	.22	.02	944.58	7664.3	0	.02	18
19	946.32	8154.6	.72	.02	945.75	7991.6	0	.02	945.12	7813.9	.12	.02	944.57	7661.6	1.22	.02	19
20	946.31	8151.7	.52	.02	945.73	7986.0	0	.02	945.10	7808.2	.32	.02	944.55	7656.1	0	.02	20
21	946.29	8145.9	0	.02	945.71	7980.4	0	.02	945.07	7799.8	0	.02	944.54	7653.3	.92	.02	21
22	946.28	8143.0	.72	.02	945.69	7974.7	0	.02	945.05	7794.1	0	.02	944.53	7650.6	1.02	.02	22
23	946.26	8137.2	0	.02	945.67	7969.1	0	.02	945.03	7788.5	0	.02	944.51	7645.1	.22	.02	23
24	946.24	8131.5	0	.02	945.66	7966.3	1.32	.02	945.00	7780.0	0	.02	944.50	7642.3	1.42	.02	24
25	946.22	8125.7	0	.02	945.64	7960.6	0	.02	944.99	7777.2	1.62	.02	944.48	7636.8	0	.02	25
26	946.20	8119.9	.12	.02	945.62	7955.0	0	.02	944.97	7771.7	0	.02	944.46	7631.3	0	.02	26
27	946.18	8114.1	0	.02	945.59	7946.5	0	.02	944.95	7766.2	0	.02	944.45	7628.5	.62	.02	27
28	946.16	8108.4	0	.02	945.58	7943.7	1.52	.02	944.94	7763.5	1.42	.02	944.44	7625.8	.62	.02	28
29	946.14	8102.6	0	.02	945.55	7935.2	0	.02	944.92	7758.0	0	.02	944.42	7620.3	0	.02	29
30	946.12	8096.8	0	.02	945.53	7929.6	0	.02	944.90	7752.5	0	.02	944.41	7617.5	.22	.02	30
31					945.50	7921.1	0	.02	944.88	7747.0	0	.02					31
TOTAL			5.20	.60			4.96	.62			11.68	.62			12.04	.60	
Inf. Ac. Ft.			10.3				9.8				23.2				23.9	4463.1	
Outf. Ac. Ft.			1.2 + (124.5)				1.2 + (184.3)				1.2 + (196.1)				1.2 + (152.2)	32.9 + (1280.2)	
Maximum Mean Daily Inflow			1.32				1.52				1.62				1.42	172.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			-115.5				-175.7				-174.1				-129.5	+ 3050.2 1/	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	947.40	feet	on 3/29 & 30/62	Storage	8468.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	930.06	feet	on 11/19 & 20/61	Storage	4427.9	Acre Feet	G. H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	963.	C.F.S. from	6:45 A.M. on 12/2/61	to	7:00 A.M.	on 12/2/61	R. J. SARASUA	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	445	C.F.S. from	12:00 MID. on 4/2/62	to	12:00 MID.	on 4/3/62		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES EVAPORATION AND OTHER LOSSES

1/ 99.5 A.F. LOSS DUE TO SILTATION, CHANGED TO STORAGE TABLE III.

INFLOW DURING PERIODS OF NO RAIN, DUE TO IRRIGATION WASTE.

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek On for the Year Ending September 30, 1963

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091. Ac. Ft. at Spillway Elev. 970. Ft. as of September, 1959 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	944.40	7614.8	.22	.02	944.11	7534.9	1.02	.02	943.34	7327.1	0	20.6	941.99	6970.6	.7	0	1
2	944.39	7612.0	.02	.02	944.10	7532.1	0	.02	943.19	7286.7	0	20.5	941.98	6968.1	0	0	2
3	944.38	7609.3	0	.02	944.10	7532.1	1.12	.02	943.00	7235.6	0	20.4	941.98	6968.1	.5	0	3
4	944.37	7606.5	0	.02	944.09	7529.4	0	.02	942.86	7198.9	0	20.3	941.98	6968.1	.6	0	4
5	944.36	7603.7	0	.02	944.09	7529.4	.92	.02	942.68	7151.6	0	20.2	941.98	6968.1	.7	0	5
6	944.35	7601.0	.12	.02	944.08	7526.6	0	.02	942.54	7114.9	0	20.1	941.97	6965.5	0	0	6
7	944.34	7598.2	.02	.02	944.07	7523.9	0	.02	942.38	7072.9	0	20.0	941.95	6960.4	0	0	7
8	944.33	7595.5	.02	.02	944.06	7521.1	.52	.02	942.22	7030.9	0	19.9	941.95	6960.4	1.7	0	8
9	944.32	7592.7	.32	.02	944.06	7521.1	1.32	.02	942.10	6999.4	0	15.4	941.95	6960.4	.4	0	9
10	944.31	7590.0	0	.02	944.05	7518.4	0	.02	942.09	6996.8	0	0	941.96	6963.0	1.6	0	10
11	944.29	7584.5	0	.02	944.05	7518.4	1.12	.02	942.09	6996.8	.4	0	941.96	6963.0	.8	0	11
12	944.29	7584.5	1.22	.02	944.04	7515.6	.82	.02	942.09	6996.8	.5	0	941.95	6960.4	.1	0	12
13	944.28	7581.7	.12	.02	944.03	7512.9	0	.02	942.08	6994.2	0	0	941.94	6957.9	0	0	13
14	944.27	7579.0	0	.02	944.02	7510.1	0	.02	942.08	6994.2	.8	0	941.93	6955.3	0	0	14
15	944.26	7576.2	0	.02	944.02	7510.1	1.12	.02	942.08	6994.2	.6	0	941.92	6952.7	0	0	15
16	944.25	7573.4	.12	.02	944.01	7507.4	0	.02	942.07	6991.6	0	0	941.91	6950.2	0	0	16
17	944.24	7570.7	0	.02	944.00	7504.6	0	.02	942.07	6991.6	.1	0	941.90	6947.6	0	0	17
18	944.24	7570.7	.92	.02	943.98	7499.2	.82	.02	942.07	6991.6	.4	0	941.90	6947.6	.3	0	18
19	944.23	7567.9	0	.02	943.97	7496.5	0	.02	942.06	6988.9	0	0	941.89	6945.1	0	0	19
20	944.23	7567.9	1.42	.02	943.96	7493.8	.12	.02	942.06	6988.9	1.0	0	941.88	6942.5	0	0	20
21	944.21	7562.4	0	.02	943.95	7491.2	0	.02	942.05	6986.3	0	0	941.88	6942.5	1.2	0	21
22	944.20	7559.7	.72	.02	943.94	7488.5	.72	.02	942.05	6986.3	1.4	0	941.87	6939.9	0	0	22
23	944.20	7559.7	1.12	.02	943.94	7488.5	0	.02	942.04	6983.7	0	0	941.86	6937.4	0	0	23
24	944.18	7554.2	0	.02	943.93	7485.8	0	.02	942.05	6986.3	1.6	0	941.86	6937.4	.4	0	24
25	944.18	7554.2	.92	.02	943.92	7483.1	0	.02	942.04	6983.7	.3	0	941.86	6937.4	.3	0	25
26	944.17	7551.4	0	.02	943.92	7483.1	1.00	0	942.03	6981.1	.2	0	941.85	6934.8	0	0	26
27	944.17	7551.4	1.32	.02	943.91	7480.4	0	0	942.02	6978.4	.1	0	941.85	6934.8	.4	0	27
28	944.16	7548.7	1.02	.02	943.81	7453.5	1.3	14.20	942.01	6975.8	0	0	941.85	6934.8	.7	0	28
29	944.15	7545.9	1.02	.02	943.66	7413.1	1.6	20.80	942.00	6973.2	0	0	941.84	6932.3	0	0	29
30	944.14	7543.2	1.22	.02	943.51	7372.8	1.4	20.70	942.00	6973.2	1.1	0	941.84	6932.3	.5	0	30
31	944.12	7537.6	.42	.02					941.99	6970.6	0	0	941.90	6947.6	.8.4	0	31
TOTAL			12.28	.62			15.04	56.20			8.5	177.4			19.3	0	
Inf. Ac. Ft.			24.4				29.9				16.9				38.3	109.5	
Outf. Ac. Ft.			1.2 + (103.1)				111.8 + (83.2)				351.8 +(67.2)				0 + (61.3)	464.5 + (314.8)	
Maximum Mean Daily Inflow			1.42				1.60				1.6				8.4	8.4	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change			- 79.9				- 164.8				- 402.2				- 23.0	- 669.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	944.40	feet	on 10/1/62	Storage	7614.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	941.84	feet	on 1/29-30/63	Storage	6932.3	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	TS
Max. Peak Inf.	325.	C.F.S. from	5:00 A.M. on 2/10/63	to	6:00 A.M.	on 2/10/63	R.J. SARASUA	Hydrographer	Storage applied	RAP	TS
Max. Peak Outf.	21.0	C.F.S. from	8:36 A.M. on 11/28/63	to	12:00 MID.	on 11/28/63		Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

INFLOW DURING PERIODS OF NO RAIN DUE TO IRRIGATION WASTE.

74D 138N-68B Oft 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In / On Puddingstone Creek for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091 Ac. Ft. at Spillway Elev. 970. Ft. as of September 19 59

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	941.92	6952.7	2.9	0	943.46	7359.3	.6	0	943.50	7370.1	0	0	943.40	7343.2	0	0	1
2	941.92	6952.7	3.3	0	943.45	7356.6	0	0	943.50	7370.1	1.5	0	943.40	7343.2	.8	0	2
3	941.92	6952.7	1.3	0	943.44	7354.0	0	0	943.48	7364.7	0	0	943.39	7340.5	0	0	3
4	941.91	6950.2	.2	0	943.42	7348.6	0	0	943.47	7362.0	.6	0	943.38	7337.8	0	0	4
5	941.90	6947.6	.1	0	943.40	7343.2	0	0	943.46	7359.3	0	0	943.36	7332.4	0	0	5
6	941.90	6947.6	1.4	0	943.39	7340.5	.4	0	943.45	7356.6	0	0	943.35	7329.8	.4	0	6
7	941.89	6945.1	0	0	943.38	7337.8	0	0	943.44	7354.0	0	0	943.34	7327.1	.1	0	7
8	941.89	6945.1	.5	0	943.37	7335.1	0	0	943.43	7351.3	0	0	943.33	7324.4	.4	0	8
9	942.55	7117.5	88.1	0	943.37	7335.1	.7	0	943.42	7348.6	0	0	943.31	7319.0	0	0	9
10	943.58	7391.6	139.1	0	943.36	7332.4	0	0	943.40	7343.2	0	0	943.29	7313.6	0	0	10
11	943.59	7394.3	1.5	0	943.35	7329.8	0	0	943.38	7337.8	0	0	943.28	7310.9	.9	0	11
12	943.58	7391.6	0	0	943.35	7329.8	.6	0	943.37	7335.1	.3	0	943.26	7305.5	0	0	12
13	943.59	7394.3	1.7	0	943.34	7327.1	0	0	943.36	7332.4	.6	0	943.24	7300.2	0	0	13
14	943.59	7394.3	.2	0	943.33	7324.4	0	0	943.40	7343.2	6.0	0	943.22	7294.8	0	0	14
15	943.59	7394.3	.7	0	943.32	7321.7	.7	0	943.39	7340.5	0	0	943.20	7289.4	0	0	15
16	943.58	7391.6	0	0	943.52	7375.5	28.5	0	943.39	7340.5	1.6	0	943.18	7284.0	0	0	16
17	943.57	7388.9	0	0	943.59	7394.3	9.5	0	943.40	7343.2	2.7	0	943.16	7278.6	0	0	17
18	943.57	7388.9	.6	0	943.58	7391.6	0	0	943.38	7337.8	0	0	943.15	7276.0	.1	0	18
19	943.56	7386.2	0	0	943.57	7388.9	0	0	943.37	7335.1	0	0	943.14	7273.3	.3	0	19
20	943.56	7386.2	.3	0	943.56	7386.2	.3	0	943.39	7340.5	3.5	0	943.13	7270.6	0	0	20
21	943.55	7383.6	0	0	943.55	7383.6	.2	0	943.42	7348.6	5.7	0	943.11	7265.2	0	0	21
22	943.54	7380.9	0	0	943.54	7380.9	.4	0	943.40	7343.2	0	0	943.10	7262.5	.1	0	22
23	943.53	7378.2	.6	0	943.54	7380.9	.2	0	943.39	7340.5	.6	0	943.08	7257.1	0	0	23
24	943.52	7375.5	.5	0	943.53	7378.2	0	0	943.38	7337.8	.9	0	943.07	7254.4	0	0	24
25	943.51	7372.8	.6	0	943.52	7375.5	.3	0	943.38	7337.8	1.4	0	943.05	7249.0	0	0	25
26	943.50	7370.1	0	0	943.51	7372.8	0	0	943.46	7359.3	11.0	0	943.03	7243.7	0	0	26
27	943.48	7364.7	0	0	943.51	7372.8	1.7	0	943.45	7356.6	.6	0	943.03	7243.7	1.3	0	27
28	943.47	7362.0	.9	0	943.54	7380.9	4.8	0	943.44	7354.0	.1	0	943.01	7238.3	0	0	28
29					943.54	7380.9	.8	0	943.43	7351.3	.3	0	943.00	7235.6	0	0	29
30					943.53	7378.2	0	0	943.41	7345.9	0	0	942.99	7233.0	0	0	30
31					943.52	7375.5	0	0					942.98	7230.4	0	0	31
TOTAL			244.5	0			49.7	0			37.4	0			4.4	0	
Inf. Ac. Ft.			485.0				98.6				74.2				8.7	776.0	
Outf. Ac. Ft.			0 + (70.6)				0 + (85.1)				0 + (103.8)				0 + (124.2)	464.5 + (698.5)	
Maximum Mean Daily Inflow			139.1				28.5				11.0				1.3	139.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 414.4				+ 13.5				- 29.6				- 115.5		- 387.1	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	944.40	feet	on	10/1/62	Storage	7614.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	941.84	feet	on	1/29-1/30/63	Storage	6932.3	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP AJF TS	
Max. Peak Inf.	325.	C.F.S. from	5:00 A.M.	on	2/10/63	to	6:00 A.M.	on	2/10/63	R.J. SARASUA	Hydrographer	Storage applied	RAP AJF TS	
Max. Peak Outf.	21.0	C.F.S. from	8:36 A.M.	on	11/28/63	to	12:00 MID.	on	11/28/63		Hydrographer	Inf. & Outf. comp.	RAP AJF TS	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.
INFLOW DURING PERIODS OF NO RAIN DUE TO IRRIGATION WASTE.

74D 138N-68B Oft 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In / On Puddingstone Creek for the Year Ending September 30, 19 63

Continuous Water Stage Recorder Au

Drainage Area 32.1 Square Miles. Capacity of Reservoir 17,091 Ac. Ft. at Spillway Elev. 970. Ft. as of September 19 59

Gage Heights Read daily

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	942.98	7230.4	.8	0	942.55	7117.5	.1	0	941.88	6942.5	0	0	941.26	6783.9	0	0	1
2	942.97	7227.7	0	0	942.53	7112.3	.4	0	941.86	6937.4	0	0	941.25	6781.4	.6	0	2
3	942.96	7225.1	0	0	942.50	7104.4	0	0	941.84	6932.3	0	0	941.23	6776.2	0	0	3
4	942.95	7222.5	0	0	942.48	7099.2	.3	0	941.83	6929.7	1.1	0	941.25	6781.4	3.9	0	4
5	942.94	7219.9	.1	0	942.46	7093.9	0	0	941.81	6924.6	.1	0	941.25	6781.4	2.1	0	5
6	942.93	7217.2	0	0	942.44	7088.7	0	0	941.79	6919.5	0	0	941.24	6778.8	0	0	6
7	942.91	7212.0	0	0	942.43	7086.0	.6	0	941.78	6916.9	.1	0	941.22	6773.7	0	0	7
8	942.91	7212.0	1.5	0	942.41	7080.8	0	0	941.76	6911.8	0	0	941.20	6768.6	.3	0	8
9	942.89	7206.7	0	0	942.39	7075.5	0	0	941.74	6906.7	.1	0	941.18	6763.4	.2	0	9
10	942.89	7206.7	.9	0	942.36	7067.7	0	0	941.72	6901.6	.1	0	941.16	6758.3	.7	0	10
11	942.88	7204.1	0	0	942.34	7062.4	0	0	941.70	6896.5	0	0	941.13	6750.7	0	0	11
12	942.87	7201.5	0	0	942.32	7057.2	.1	0	941.68	6891.3	0	0	941.11	6745.5	.6	0	12
13	942.86	7198.9	.3	0	942.30	7051.9	.3	0	941.65	6883.7	0	0	941.09	6740.4	0	0	13
14	942.84	7193.6	0	0	942.27	7044.0	0	0	941.63	6878.6	.4	0	941.07	6735.3	0	0	14
15	942.82	7188.4	0	0	942.26	7041.4	1.2	0	941.61	6873.4	0	0	941.05	6730.2	0	0	15
16	942.81	7185.7	.6	0	942.23	7033.6	0	0	941.59	6868.3	.1	0	941.04	6727.6	.6	0	16
17	942.80	7183.1	.5	0	942.21	7028.3	0	0	941.57	6863.2	0	0	941.16	6758.3	16.6	0	17
18	942.79	7180.5	.5	0	942.18	7020.4	0	0	941.55	6858.1	0	0	941.34	6804.4	23.8	0	18
19	942.77	7175.2	0	0	942.17	7017.8	1.4	0	941.53	6853.0	0	0	941.38	6814.6	5.3	0	19
20	942.75	7170.0	0	0	942.15	7012.6	0	0	941.51	6847.9	0	0	941.37	6812.0	.1	0	20
21	942.73	7164.8	0	0	942.13	7007.3	0	0	941.49	6842.7	0	0	941.35	6806.9	0	0	21
22	942.72	7162.1	.1	0	942.11	7002.1	0	0	941.47	6837.6	0	0	941.34	6804.4	.1	0	22
23	942.70	7156.9	0	0	942.09	6996.8	0	0	941.45	6832.5	0	0	941.33	6801.8	.5	0	23
24	942.68	7151.6	.0	0	942.06	6988.9	0	0	941.43	6827.4	0	0	941.31	6796.7	0	0	24
25	942.66	7146.4	0	0	942.04	6983.7	.4	0	941.40	6819.7	0	0	941.30	6794.1	1.4	0	25
26	942.65	7143.8	.6	0	942.02	6978.4	0	0	941.37	6812.0	0	0	941.29	6791.6	2.5	0	26
27	942.63	7138.5	0	0	942.00	6973.2	.1	0	941.35	6806.9	0	0	941.26	6783.9	0	0	27
28	942.61	7133.3	0	0	941.98	6968.1	0	0	941.33	6801.8	.1	0	941.24	6778.8	1.1	0	28
29	942.59	7128.0	.3	0	941.95	6960.4	0	0	941.31	6796.7	.1	0	941.22	6773.7	.9	0	29
30	942.57	7122.8	.2	0	941.93	6955.3	0	0	941.29	6791.6	0	0	941.20	6768.6	0	0	30
31					941.90	6947.6	0	0	941.28	6789.0	.8	0					31
TOTAL			6.4	0			5.1	0			3.0	0			61.5	0	
Inf. Ac. Ft.			12.7				10.1				6.0				122.0	926.8	
Outf. Ac. Ft.			0 + (120.2)				0 + (185.2)				0 + (164.6)				0 + (142.4)	464.5 + (1310.9)	
Maximum Mean Daily Inflow			1.5				1.2				1.1				23.8	139.1	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 107.6				- 175.2				- 158.6				- 20.4		- 848.9	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	944.40	feet	on	10/1/62	Storage	7614.8	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	941.84	feet	on	1/29-1/30/63	Storage	6932.3	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	TS RAP	
Max. Peak Inf.	325.	C.F.S. from	5:00 A.M.	on	2/10/63	to	6:00 A.M.	on	2/10/63	R.J. SARASUA	Hydrographer	Storage applied	TS RAP	
Max. Peak Outf.	21.0	C.F.S. from	8:36 A.M.	on	11/28/63	to	12:00 MID.	on	11/28/63		Hydrographer	Inf. & Outf. comp.	TS RAP	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.
INFLOW DURING PERIODS OF NO RAIN DUE TO IRRIGATION WASTE.

76D138N-68B Oib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon ~~On~~ for the Year Ending September 30, 1962

Drainage Area 2.28 Square Miles. Capacity of Reservoir 170.4 / 221.1 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of December 61 / November 62

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0	1475.6	51.8	0	0	1474.7	4.7	0	0	1
2			0	0			0	0	1479.8	74.2	11.5	0	1474.7	4.7	0	0	2
3			0	0			0	0	1479.1	70.1	0	0	1474.7	4.7	0	0	3
4			0	0			0	0	1479.0	69.5	0	0	1474.7	4.7	0	0	4
5			0	0			0	0	1478.7	67.8	0	0	1474.6	4.4	0	0	5
6			0	0			0	0	1476.6	56.7	0	5.4	1474.6	4.4	0	0	6
7			0	0			0	0	1475.0	49.0	0	3.6	1474.6	4.4	0	0	7
8			0	0			0	0	1475.0 1/	5.7	0	0	1474.6	4.4	0	0	8
9			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	9
10			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	10
11			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	11
12			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	12
13			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	13
14			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	14
15			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	15
16			0	0			0	0	1475.0	5.7	0	0	1474.5	4.1	0	0	16
17			0	0			0	0	1475.0	5.7	0	0	1474.4	3.8	0	0	17
18			0	0			0	0	1475.0	5.7	0	0	1474.4	3.8	0	0	18
19			0	0			0	0	1475.0	5.7	0	0	1474.4	3.8	0	0	19
20			0	0	1476.9	58.2	29.3	0	1475.0	5.7	0	0	1478.5	20.7	8.6	0	20
21			0	0	1476.7	57.2	0	0	1475.0	5.7	0	0	1478.2	19.3	0	0	21
22			0	0	1476.6	56.7	0	0	1474.9	5.4	0	0	1478.0	18.3	0	0	22
23			0	0	1476.5	56.2	0	0	1474.9	5.4	0	0	1477.9	17.8	0	0	23
24			0	0	1476.3	55.2	0	0	1474.9	5.4	0	0	1477.8	17.4	0	0	24
25			0	0	1476.3	55.2	0	0	1474.9	5.4	0	0	1477.7	17.0	0	0	25
26			0	0	1476.0	53.7	0	.5	1474.8	5.1	0	0	1477.6	16.5	0	0	26
27			0	0	1475.9	53.2	0	0	1474.8	5.1	0	0	1477.5	16.0	0	0	27
28			0	0	1475.7	52.3	0	0	1474.8	5.1	0	0	1477.4	15.6	0	0	28
29			0	0	1475.6	51.8	0	0	1474.8	5.1	0	0	1477.4	15.6	0	0	29
30			0	0	1475.6	51.8	0	0	1474.8	5.1	0	0	1477.3	15.2	0	0	30
31			0	0					1474.8	5.1	0	0	1477.2	14.7	0	0	31
TOTAL			0	0			29.3	0.5			11.5	9.0			8.6	0	
Inf. Ac. Ft.			0				58.1				22.8				17.1	98.0	
Outf. Ac. Ft.			0				1.0 + (5.4)				17.9 + (51.6) 2/				0 + (7.5)	18.9 + (64.5) 2/	
Maximum Mean Daily Inflow			0				29.3				11.5				8.6	29.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+ 51.8				- 46.7 2/				+ 9.6		+ 14.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.5	feet	on	2/22/62	Storage	79.8	Acre Feet			
Min. W. S. Elev.	1468.6	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	366.	C. F. S. from	3:15 P.M.	on	11/20/61	to	3:30 P.M.	on	11/20/61	
Max. Peak Outf.	11.1	C. F. S. from	8:30 A.M.	on	2/25/62	to	4:15 P.M.	on	2/25/62	

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
	Dam Tender	Gage Hts. copied	RAP GLW	7/20
R.J. SARASUA	Hydrographer	Storage applied	RAP GLW	7/20
	Hydrographer	Inf. & Outf. comp.	RAP AJF	5/28

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

1/ CHANGE TO STORAGE TABLE VI. 43.3 A.F. LOSS DUE TO SILTATION.

2/ INCLUDES 43.3 A.F. LOSS PREVIOUSLY NOTED.

76D138N-68B Oib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon ~~On~~ for the Year Ending September 30, 1962

Drainage Area 2.28 Square Miles. Capacity of Reservoir 170.4 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of December 61

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	1477.2	14.7	0	0	1484.2	54.9	.4	0	1484.2	54.9	0	0			0	0	1
2	1477.1	14.2	0	0	1484.2	54.9	0	0	1484.2	54.9	0	0			0	0	2
3	1477.1	14.2	0	0	1484.2	54.9	0	0	1484.2	54.9	0	0			0	0	3
4	1477.0	13.8	0	0	1484.3	55.6	.3	0	1484.2	54.9	0	0			0	0	4
5	1477.0	13.8	0	0	1484.3	55.6	0	0	1484.1	54.2	0	0			0	0	5
6	1476.9	13.4	0	0	1484.4	56.3	.4	0	1484.1	54.2	0	0			0	0	6
7	1477.0	13.8	.2	0	1484.4	56.3	0	0	1484.1	54.2	0	0			0	0	7
8	1478.0	18.3	2.3	0	1484.4	56.3	0	0	1484.0	53.5	0	0			0	0	8
9	1479.5	25.7	3.7	0	1484.4	56.3	0	0	1484.0	53.5	0	0			0	0	9
10	1479.8	27.3	.9	0	1484.4	56.3	0	0	1483.9	52.8	0	0			0	0	10
11	1480.9	33.3	3.0	0	1484.4	56.3	0	0	1483.9	52.8	0	0			0	0	11
12	1481.2	35.1	.9	0	1484.4	56.3	0	0	1483.8	52.1	0	0			0	0	12
13	1481.2	35.1	0	0	1484.4	56.3	0	0	1483.8	52.1	0	0			0	0	13
14	1481.2	35.1	0	0	1484.3	55.6	0	0	1483.7	51.4	0	0			0	0	14
15	1481.7	38.2	1.5	0	1484.3	55.6	0	0	1483.7	51.4	0	0			0	0	15
16	1482.3	42.0	2.0	0	1484.2	54.9	0	0	1483.6	50.7	0	0	1474.5	4.1	2.1	0	16
17	1482.4	42.7	.3	0	1484.2	54.9	0	0	1483.5	50.0	0	0	1474.3	3.5	0	.3	17
18	1482.5	43.4	.4	0	1484.2	54.9	0	0	1482.4	42.7	0	3.7	1474.3	3.5	0	0	18
19	1485.7	65.8	11.3	0	1484.2	54.9	0	0	1480.9	33.3	0	4.7	1474.2	3.1	0	0	19
20	1487.1	76.6	5.4	0	1484.2	54.9	0	0	1480.0	28.3	0	2.6	1474.2	3.1	0	0	20
21	1487.3	78.2	2.7	1.9	1484.2	54.9	0	0	1480.0	28.3	0	0	1474.2	3.1	0	0	21
22	1486.9	75.0	1.5	3.1	1484.4	56.3	.7	0	1480.0	28.3	0	0	1474.1	2.8	0	0	22
23	1486.4	71.1	1.5	3.5	1484.5	57.0	.3	0	1478.8	22.1	0	3.1	1474.1	2.8	0	0	23
24	1485.6	65.0	1.2	4.2	1484.4	56.3	0	0	1477.0	13.6	0	4.2	1474.1	2.8	0	0	24
25	1484.8	59.2	.7	3.7	1484.4	56.3	0	0	1474.9	5.4	0	4.2	1474.1	2.8	0	0	25
26	1484.0	53.5	.5	3.3	1484.4	56.3	0	0			0	2.7	1474.0	2.5	0	0	26
27	1484.1	54.2	.3	0	1484.4	56.3	0	0			0	0	1474.0	2.5	0	0	27
28	1484.1	54.2	0	0	1484.3	55.6	0	0			0	0	1474.0	2.5	0	0	28
29					1484.3	55.6	0	0			0	0	1474.0	2.5	0	0	29
30					1484.3	55.6	0	0			0	0	1474.0	2.5	0	0	30
31					1484.3	55.6	0	0			0	0	1474.0	2.5	0	0	31
TOTAL			40.3	19.7			2.1	0			0	25.2			2.1	0.3	
Inf. Ac. Ft.			79.9				4.2				0				4.2	186.3	
Outf. Ac. Ft.			39.1 + (1.4)				0 + (2.8)				50.0 + (5.6)				0.6 + (1.0)	108.6 + (75.3) 2/	
Maximum Mean Daily Inflow			11.3				0.7				0				2.1	29.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 39.5				+ 1.4				- 55.6				+ 2.5		+ 2.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.5	feet	on	2/22/62	Storage	79.8	Acre Feet			
Min. W. S. Elev.	1468.6	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	366.	C. F. S. from	3:15 P.M.	on	11/20/61	to	3:30 P.M.	on	11/20/61	
Max. Peak Outf.	11.1	C. F. S. from	8:30 A.M.	on	2/25/62	to	4:15 P.M.	on	2/25/62	

RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
	Dam Tender	Gage Hts. copied	RAP GLW	7/20
R.J. SARASUA	Hydrographer	Storage applied	RAP GLW	7/20
	Hydrographer	Inf. & Outf. comp.	RAP GLW	5/28

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

2/ INCLUDES 43.3 A.F. LOSS DUE TO SILTATION

76D138N-68B Ch 12-57

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In Live Oak Canyon for the Year Ending September 30, 1962

Or

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 170.4 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of December 1961 Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1.47 4.0	2.5	0	0			0	0			0	0			0	0	1
2	1.47 4.0	2.5	0	0			0	0			0	0			0	0	2
3	1.47 4.0	2.5	0	0			0	0			0	0			0	0	3
4			0	1.3			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	1.3			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	186.3	
Outf. Ac. Ft.			2.6 + (0)				0				0				0	111.2 + (75.3) 2/	
Maximum Mean Daily Inflow			0				0				0				0	29.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 2.5				0				0				0		0	

NO STORAGE (June) NO STORAGE (July) NO STORAGE (August) NO STORAGE (September)

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1487.5	feet	on	2-22-62	Storage	79.8	Acre Feet			
Min. W. S. Elev.	1468.6	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	366.	C.F.S. from	3:15 P.M.	on	11/20/61	to	3:30 P.M.	on	11/20/61	
Max. Peak Outf.	11.1	C.F.S. from	8:30 A.M.	on	2/25/62	to	4:15 P.M.	on	2/25/62	

RECORDS COLLECTED BY

Dam Tender	
Hydrographer	R.J. SARASUA
Hydrographer	

COMPUTATIONS chd. Date

Gage Hts. copied	RAP	TS
Storage applied	RAP	TS
Inf. & Outf. comp.	RAP	TS

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.
2/ INCLUDES 43.3 A.F. LOSS DUE TO SILTATION.

76D138N-68B Ch 12-57

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In LIVE OAK CANYON for the Year Ending September 30, 1963

Or

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder Au

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 / 170.4 Ac. Ft. at Spillway Elev. 1496.4 1/ / 1497.0 Ft. as of December 1962 / December 1961 Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			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	
Outf. Ac. Ft.																0	
Maximum Mean Daily Inflow																0	
Minimum Mean Daily Inflow																0	
Storage Change																	

NO STORAGE (October) NO STORAGE (November) NO STORAGE (December) NO STORAGE (January)

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1476.8	feet	on	2/10/63	Storage	12.4	Acre Feet			
Min. W. S. Elev.	1456.5	feet	on	VARIOUS DAYS	Storage	0	Acre Feet			
Max. Peak Inf.	23.2	C.F.S. from	9:45 P.M.	on	2/9/63	to	10:15 P.M.	on	2/9/63	
Max. Peak Outf.	4.0	C.F.S. from	10:15 A.M.	on	2/25/63	to	12:15 P.M.	on	2/25/63	

RECORDS COLLECTED BY

Dam Tender	G.H. SHEPHERD
Hydrographer	R.J. SARASUA
Hydrographer	

COMPUTATIONS chd. Date

Gage Hts. copied	RAP	TS
Storage applied	RAP	TS
Inf. & Outf. comp.	RAP	TS

REMARKS 1/ SPILLWAY NO. 1 AT ELEVATION 1497.0. SPILLWAY NO. 2 AT ELEVATION 1496.4 AS PER SURVEY OF DECEMBER, 1962.

74D138N-68B Oth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~On~~ Live Oak Canyon for the Year Ending September 30, 1963

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 Ac. Ft. at Spillway Elev. 1496.4 Ft. as of December, 1962

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1		0	0	0	1469.4	.5	0	0	1466.4	2	0	0		+	0	0	1
2		0	0	0	1469.4	.5	0	0	1466.2	2	0	0			0	0	2
3		0	0	0	1469.4	.5	0	0	1466.1	2	0	0			0	0	3
4		0	0	0	1469.4	.5	0	0	1466.0	2	0	0			0	0	4
5		0	0	0	1469.4	.5	0	0	1465.8	2	0	0			0	0	5
6		0	0	0	1469.4	.5	0	0	1465.6	2	0	0			0	0	6
7		0	0	0	1469.4	.5	0	0	1465.4	2	0	0			0	0	7
8		0	0	0	1469.4	.5	0	0	1465.2	.1	0	0		+	0	0	8
9	1476.6	11.6	5.6	0	1469.4	.5	0	0	1465.0	.1	0	0		0	0	0	9
10	1476.5	11.3	.5	0	1469.4	.5	0	0	1464.8	.1	0	0			0	0	10
11	1476.2	10.2	0	0	1469.4	.5	0	0	1464.6	.1	0	0			0	0	11
12	1475.9	9.1	0	0	1469.4	.5	0	0	1464.2	.1	0	0			0	0	12
13	1475.8	8.8	0	0	1469.4	.5	0	0	1464.0	.1	0	0			0	0	13
14	1475.6	8.2	0	0	1469.4	.5	0	0	1463.8	.1	0	0			0	0	14
15	1475.5	7.9	0	0	1469.4	.5	0	0	1463.6	.1	0	0			0	0	15
16	1475.4	7.6	0	0	1470.1	.7	.1	0	1463.5	.1	0	0			0	0	16
17	1475.2	7.0	0	0	1469.1	.5	0	0	1463.4	.1	0	0			0	0	17
18	1476.1	6.7	0	0	1468.9	.4	0	0		+	0	.1			0	0	18
19	1475.0	6.4	0	0	1468.9	.4	0	0			0	0			0	0	19
20	1474.9	6.2	0	0	1468.9	.4	0	0			0	0			0	0	20
21	1474.8	6.0	0	0	1468.8	.4	0	0			0	0			0	0	21
22	1474.8	6.0	0	0	1468.8	.4	0	0			0	0			0	0	22
23	1474.7	5.8	0	0	1468.8	.4	0	0			0	0			0	0	23
24	1474.7	5.8	0	0	1468.8	.4	0	0			0	0		NO STORAGE	0	0	24
25	1469.4	.5	0	2.5	1468.8	.4	0	0			0	0			0	0	25
26	1469.4	.5	0	0	1466.1	.2	0	.1			0	0			0	0	26
27	1469.4	.5	0	0	1466.2	.2	0	0			0	0			0	0	27
28	1469.4	.5	0	0	1466.4	.2	0	0			0	0			0	0	28
29					1466.4	.2	0	0			0	0			0	0	29
30					1466.4	.2	0	0		+	0	0			0	0	30
31					1466.4	.2	0	0							0	0	31
TOTAL			6.3	2.5			.1	.1			0	.1			0	0	
Inf. Ac. Ft.			12.5				0.2				0				0	12.7	
Outf. Ac. Ft.			5.0 + (7.0)				0.2 + (0.3)				0.2 + (0)				0	5.4 + (7.3)	
Maximum Mean Daily Inflow			5.8				0.1				0				0	5.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 0.5				- 0.3				- 0.2				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1476.8	feet on	2/10/63	Storage	12.4	Acre Feet		
Min. W. S. Elev.	1456.5	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	23.2	C.F.S. from	9:45 P.M. on 2/9/63	to	10:15 P.M.	on	2/9/63	
Max. Peak Outf.	4.0	C.F.S. from	10:15 A.M. on 2/25/63	to	12:15 P.M.	on	2/25/63	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	TS
R.J. SARASUA	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

74D138N-68B Oth 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam

In ~~On~~ Live Oak Canyon for the Year Ending September 30, 1963

Drainage Area 2.28 Square Miles. Capacity of Reservoir 159.5 Ac. Ft. at Spillway Elev. 1496.4 Ft. as of December, 1962

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	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	12.7	
Outf. Ac. Ft.			0				0				0				0	5.4 + (7.3	
Maximum Mean Daily Inflow			0				0				0				0	5.8	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1476.8	feet on	2/10/63	Storage	12.4	Acre Feet		
Min. W. S. Elev.	1456.5	feet on	VARIOUS DAYS	Storage	0	Acre Feet		
Max. Peak Inf.	23.2	C.F.S. from	9:45 P.M. on 2/9/63	to	10:15 P.M.	on	2/9/63	
Max. Peak Outf.	4.0	C.F.S. from	10:15 A.M. on 2/25/63	to	12:15 P.M.	on	2/25/63	

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	TS
R.J. SARASUA	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

76D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

To Thompson Creek for the Year Ending September 30, 1962
On

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 579.0 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of December 1959 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0	1590.0	15.5	0.5	0	1589.7	14.7	0	0	1
2			0	0			0	0	1593.4	26.5	5.6	0	1589.7	14.7	0	0	2
3			0	0			0	0	1592.7	24.0	0	0	1589.6	14.5	0	0	3
4			0	0			0	0	1592.3	22.6	0	0	1589.6	14.5	0	0	4
5			0	0			0	0	1591.9	21.3	0	0	1589.6	14.5	0	0	5
6			0	0			0	0	1591.5	20.0	0	0	1589.5	14.2	0	0	6
7			0	0			0	0	1591.3	19.4	0	0	1589.5	14.2	0	0	7
8			0	0			0	0	1591.1	18.7	0	0	1589.5	14.2	0	0	8
9			0	0			0	0	1591.0	18.4	0	0	1589.4	13.9	0	0	9
10			0	0			0	0	1590.9	18.1	0	0	1589.4	13.9	0	0	10
11			0	0			0	0	1590.8	17.8	0	0	1589.3	13.7	0	0	11
12			0	0			0	0	1590.7	17.5	0	0	1589.3	13.7	0	0	12
13			0	0			0	0	1590.5	17.0	0	0	1589.3	13.7	0	0	13
14			0	0			0	0	1590.5	17.0	0	0	1589.3	13.7	0	0	14
15			0	0			0	0	1590.5	17.0	0	0	1589.3	13.7	0	0	15
16			0	0			0	0	1590.4	16.7	0	0	1589.3	13.7	0	0	16
17			0	0			0	0	1590.3	16.4	0	0	1589.2	13.4	0	0	17
18			0	0			0	0	1590.3	16.4	0	0	1589.2	13.4	0	0	18
19			0	0			0	0	1590.2	16.1	0	0	1589.3	13.7	0.1	0	19
20			0	0	1590.5	17.0	8.6	0	1590.2	16.1	0	0	1593.5	26.9	6.7	0	20
21	NO STORAGE		0	0	1590.3	16.4	0	0	1590.2	16.1	0	0	1593.2	25.8	0	0	21
22			0	0	1590.2	16.1	0	0	1590.1	15.8	0	0	1592.9	24.7	0	0	22
23			0	0	1590.0	15.5	0	0	1590.1	15.8	0	0	1592.7	24.0	0	0	23
24			0	0	1590.0	15.5	0	0	1590.1	15.8	0	0	1592.5	23.3	0	0	24
25			0	0	1590.0	15.5	0	0	1590.0	15.5	0	0	1592.3	22.6	0	0	25
26			0	0	1589.8	15.0	0	0	1590.0	15.5	0	0	1592.0	21.6	0	0	26
27			0	0	1589.8	15.0	0	0	1589.9	15.2	0	0	1591.8	21.0	0	0	27
28			0	0	1589.7	14.7	0	0	1589.8	15.0	0	0	1591.6	20.3	0	0	28
29			0	0	1589.7	14.7	0	0	1589.8	15.0	0	0	1591.4	19.7	0	0	29
30			0	0	1589.6	14.5	0	0	1589.8	15.0	0	0	1591.3	19.4	0	0	30
31			0	0					1589.8	15.0	0	0	1591.1	18.7	0	0	31
TOTAL			0	0			8.6	0			6.1	0			6.8	0	
Inf. Ac. Ft.			0				17.0				12.1				13.5	42.6	
Outf. Ac. Ft.			0				0 + (2.6)				0 + (11.5)				0 + (9.7)	0 + (23.8)	
Maximum Mean Daily Inflow			0				8.6				5.6				6.7	8.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				+ 14.5				+ 0.5				+ 3.7		+ 18.7	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.1	feet	on 2/20 & 21/62	Storage	73.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1578.5	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP	GLW 7/19
Max. Peak Inf.	190.	C.F.S. from	2:45 P.M. on 11/20/61	to	3:00 P.M.	on 11/20/61	R. J. SARASUA	Hydrographer	Storage applied	RAP	GLW 7/19
Max. Peak Outf.	0	C.F.S. from	on	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF 5/31

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES

76D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

To Thompson Creek for the Year Ending September 30, 1962
On

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 579.0 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of December 1959 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1591.0	18.4	0	0	1600.6	63.5	0	0	1594.1	29.2	0	0	1591.2	19.0	0	0	1
2	1591.0	18.4	0	0	1600.4	62.1	0	0	1593.9	28.4	0	0	1591.2	19.0	0	0	2
3	1591.0	18.4	0	0	1600.2	60.8	0	0	1593.8	28.0	0	0	1591.0	18.4	0	0	3
4	1590.8	17.8	0	0	1600.0	59.5	0	0	1593.6	27.3	0	0	1591.0	18.4	0	0	4
5	1590.8	17.8	0	0	1599.8	58.3	0	0	1593.4	26.5	0	0	1590.9	18.1	0	0	5
6	1590.8	17.8	0	0	1599.5	56.4	0	0	1593.3	26.1	0	0	1590.9	18.1	0	0	6
7	1590.8	17.8	0	0	1599.3	55.2	0	0	1593.1	25.4	0	0	1590.8	17.8	0	0	7
8	1592.3	22.6	2.5	0	1599.1	54.0	0	0	1593.0	25.0	0	0	1590.7	17.5	0	0	8
9	1594.5	30.8	4.1	0	1598.9	52.8	0	0	1592.8	24.3	0	0	1590.7	17.5	0	0	9
10	1595.0	32.9	1.1	0	1598.7	51.7	0	0	1592.7	24.0	0	0	1590.6	17.2	0	0	10
11	1596.1	38.0	2.5	0	1598.5	50.6	0	0	1592.6	23.6	0	0	1590.6	17.2	0	0	11
12	1596.5	40.0	1.0	0	1598.2	48.8	0	0	1592.5	23.3	0	0	1590.5	17.0	0	0	12
13	1596.3	39.0	0	0	1598.0	47.7	0	0	1592.4	23.0	0	0	1590.5	17.0	0	0	13
14	1596.1	38.0	0	0	1597.7	46.1	0	0	1592.3	22.6	0	0	1590.5	17.0	0	0	14
15	1596.6	40.4	1.2	0	1597.5	45.0	0	0	1592.2	22.3	0	0	1590.5	17.0	0	0	15
16	1597.0	42.4	1.0	0	1597.2	43.5	0	0	1592.1	21.9	0	0	1590.6	17.2	0.1	0	16
17	1597.3	44.0	0.9	0	1597.0	42.4	0	0	1592.1	21.9	0	0	1590.5	17.0	0	0	17
18	1597.6	45.6	0.8	0	1596.7	40.9	0	0	1592.0	21.6	0	0	1590.4	16.7	0	0	18
19	1600.7	64.1	9.3	0	1596.7	40.9	0	0	1591.9	21.3	0	0	1590.3	16.4	0	0	19
20	1602.1	73.6	4.8	0	1596.5	40.0	0	0	1591.9	21.3	0	0	1590.2	16.1	0	0	20
21	1602.1	73.6	0	0	1596.2	38.5	0	0	1591.8	21.0	0	0	1590.1	15.8	0	0	21
22	1601.9	72.2	0	0	1596.1	38.0	0	0	1591.7	20.6	0	0	1590.0	15.5	0	0	22
23	1601.7	70.9	0	0	1596.0	37.5	0	0	1591.7	20.6	0	0	1590.0	15.5	0	0	23
24	1601.6	70.2	0	0	1595.8	36.6	0	0	1591.6	20.3	0	0	1590.0	15.5	0	0	24
25	1601.4	68.8	0	0	1595.6	35.7	0	0	1591.6	20.3	0	0	1589.9	15.2	0	0	25
26	1601.2	67.5	0	0	1595.3	34.3	0	0	1591.5	20.0	0	0	1589.9	15.2	0	0	26
27	1601.0	66.1	0	0	1595.1	33.4	0	0	1591.4	19.7	0	0	1589.8	15.0	0	0	27
28	1600.8	64.8	0	0	1594.9	32.5	0	0	1591.4	19.7	0	0	1589.8	15.0	0	0	28
29					1594.7	31.7	0	0	1591.3	19.4	0	0	1589.8	15.0	0	0	29
30					1594.5	30.8	0	0	1591.3	19.4	0	0	1589.8	15.0	0	0	30
31					1594.3	30.0	0	0					1589.8	15.0	0	0	31
TOTAL			29.2	0			0	0			0	0			0.1	0	
Inf. Ac. Ft.			57.8				0				0				0.2	100.7	
Outf. Ac. Ft.			0 + (11.9)				0 + (34.8)				0 + (10.6)				0 + (4.6)	0 + (85.7)	
Maximum Mean Daily Inflow			9.3				0				0				0.1	9.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 46.1				- 34.8				- 10.6				- 4.4		+ 15.0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.1	feet	on 2/20 & 21/62	Storage	73.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1578.5	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP	GLW 7/19
Max. Peak Inf.	190.	C.F.S. from	2:45 P.M. on 11/20/61	to	3:00 P.M.	on 11/20/61	R. J. SARASUA	Hydrographer	Storage applied	RAP	GLW 7/19
Max. Peak Outf.	0	C.F.S. from	on	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF 5/31

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

74D138M-6BB Cib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 62

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 / 578.0 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of July 1962 / December 1959

Continuous Water Stage Recorder Au

Gage Heights Read at Various Times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1	1589.8	15.0	0	0	1589.1	2.0 1/	0	0	1588.1	0.6	0	0			0	0	1
2	1589.7	14.7	0	0	1589.1	2.0	0	0	1588.1	0.6	0	0			0	0	2
3	1589.7	14.7	0	0	1589.1	2.0	0	0	1588.0	0.5	0	0			0	0	3
4	1589.7	14.7	0	0	1589.0	1.6	0	0	1588.0	0.5	0	0			0	0	4
5	1589.7	14.7	0	0	1589.0	1.6	0	0	1588.0	0.5	0	0			0	0	5
6	1589.7	14.7	0	0	1589.0	1.6	0	0	1587.9	0.4	0	0			0	0	6
7	1589.7	14.7	0	0	1588.9	1.6	0	0	1587.9	0.4	0	0			0	0	7
8	1589.6	14.5	0	0	1588.9	1.6	0	0	1587.9	0.4	0	0			0	0	8
9	1589.6	14.5	0	0	1588.9	1.6	0	0	1587.8	0.4	0	0			0	0	9
10	1589.6	14.5	0	0	1588.8	1.5	0	0	1587.8	0.4	0	0			0	0	10
11	1589.6	14.5	0	0	1588.8	1.5	0	0	1587.8	0.4	0	0			0	0	11
12	1589.6	14.5	0	0	1588.8	1.5	0	0	1587.7	0.3	0	0			0	0	12
13	1589.6	14.5	0	0	1588.7	1.4	0	0	1587.7	0.3	0	0			0	0	13
14	1589.6	14.5	0	0	1588.7	1.4	0	0	1587.7	0.3	0	0			0	0	14
15	1589.6	14.5	0	0	1588.6	1.2	0	0	1587.6	0.3	0	0			0	0	15
16	1589.6	14.5	0	0	1588.6	1.2	0	0	1587.6	0.3	0	0			0	0	16
17	1589.5	14.2	0	0	1588.6	1.2	0	0	1587.6	0.3	0	0			0	0	17
18	1589.5	14.2	0	0	1588.5	1.1	0	0	1587.6	0.3	0	0			0	0	18
19	1589.5	14.2	0	0	1588.5	1.1	0	0	1587.6	0.3	0	0			0	0	19
20	1589.5	14.2	0	0	1588.5	1.1	0	0	1587.5	0.2	0	0			0	0	20
21	1589.5	14.2	0	0	1588.4	1.0	0	0	1587.5	0.2	0	0			0	0	21
22	1589.4	13.9	0	0	1588.4	1.0	0	0	1587.5	0.2	0	0			0	0	22
23	1589.4	13.9	0	0	1588.4	1.0	0	0	1587.4	0.2	0	0			0	0	23
24	1589.3	13.7	0	0	1588.3	.8	0	0	1587.3	0.1	0	0			0	0	24
25	1589.3	13.7	0	0	1588.3	.8	0	0	1587.3	0.1	0	0			0	0	25
26	1589.3	13.7	0	0	1588.3	.8	0	0	1587.2	0.1	0	0			0	0	26
27	1589.2	13.4	0	0	1588.2	.7	0	0	1587.2	0.1	0	0			0	0	27
28	1589.2	13.4	0	0	1588.2	.7	0	0	1587.1	+	0	0			0	0	28
29	1589.2	13.4	0	0	1588.2	.7	0	0	1587.0	0	0	0			0	0	29
30	1589.1	13.2	0	0	1588.2	.7	0	0	1587.0	0	0	0			0	0	30
31					1588.1	.6	0	0	1587.0	0	0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0	0			0	100.7	
Outf. Ac. Ft.			0 + (1.8)				0 + (12.6) 2/				0 + (0.6)				0	0 + (100.7) 2/	
Maximum Mean Daily Inflow			0				0				0				0	9.3	
Minimum Mean Daily Inflow			- 1.8				- 1.4				- 0.6				0	0	
Storage Change														NO STORAGE			

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.1	feet	on 2/20 & 21/62	Storage	73.6	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	1578.5	feet	on VARIOUS DAYS	Storage	0	Acre Feet		Dam Tender	Gage Hts. copied	RAP	AJF 5/31
Max. Peak Inf.	190.	C.F.S. from	2:45 P.M. on 11/20/61	to	3:00 P.M.	on 11/20/61	R. J. SARAJUA	Hydrographer	Storage applied	RAP	AJF 5/31
Max. Peak Outf.	0	C.F.S. from	on	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF 5/31

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES
1/ CHANGED TO STORAGE TABLE VIII. 11.2 A.F. LOSS DUE TO SILTATION
2/ INCLUDES 11.2 A.F. LOSS PREVIOUSLY NOTED

74D138M-6BB Cib 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In/On Thompson Creek for the Year Ending September 30, 19 63

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of July 1962

Continuous Water Stage Recorder Au

Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0		0	0	0	1
2			0	0			0	0			0	0		0	0	0	2
3			0	0			0	0			0	0		0	0	0	3
4			0	0			0	0			0	0		0	0	0	4
5			0	0			0	0			0	0		0	0	0	5
6			0	0			0	0			0	0		0	0	0	6
7			0	0			0	0			0	0		0	0	0	7
8			0	0			0	0			0	0		0	0	0	8
9			0	0			0	0			0	0		0	0	0	9
10			0	0			0	0			0	0	1.589 7	3.1	1.6	0	10
11			0	0			0	0			0	0	1.589 6	2.9	0	0	11
12			0	0			0	0			0	0	1.589 3	2.4	0	0	12
13			0	0			0	0			0	0	1.589 1	2.0	0	0	13
14			0	0			0	0			0	0	1.588 9	1.6	0	0	14
15			0	0			0	0			0	0	1.588 8	1.5	0	0	15
16			0	0			0	0			0	0	1.588 8	1.5	0	0	16
17			0	0			0	0			0	0	1.588 7	1.4	0	0	17
18			0	0			0	0			0	0	1.588 7	1.4	0	0	18
19			0	0			0	0			0	0	1.588 6	1.2	0	0	19
20			0	0			0	0			0	0	1.588 6	1.2	0	0	20
21			0	0			0	0			0	0	1.588 5	1.1	0	0	21
22			0	0			0	0			0	0	1.588 4	1.0	0	0	22
23			0	0			0	0			0	0	1.588 4	1.0	0	0	23
24			0	0			0	0			0	0	1.588 4	1.0	0	0	24
25			0	0			0	0			0	0	1.588 3	.8	0	0	25
26			0	0			0	0			0	0	1.588 3	.8	0	0	26
27			0	0			0	0			0	0	1.588 3	.8	0	0	27
28			0	0			0	0			0	0	1.588 2	.7	0	0	28
29			0	0			0	0			0	0	1.588 2	.7	0	0	29
30			0	0			0	0			0	0	1.588 1	.6	0	0	30
31			0	0							0	0	1.588 0	.5	0	0	31
TOTAL			0	0			0	0			0	0			1.6	0	
Inf. Ac. Ft.			0				0				0				3.2	3.2	
Outf. Ac. Ft.			0				0				0				0 + (2.7)	0 + (2.7)	
Maximum Mean Daily Inflow			0				0				0				1.6	1.6	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				+ 0.5		+ 0.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.5	feet	on 2/10/63	Storage	60.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chd.	Date
Min. W. S. Elev.	1587.0	feet	on VARIOUS DAYS	Storage	0	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF 1/31/64
Max. Peak Inf.	145.	C.F.S. from	6:15 P.M. on 2/9/63	to	6:30 P.M.	on 2/9/63	R.J. SARASUA	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	2.0	C.F.S. from	on VARIOUS DAYS	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

76D138N-68B Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1963
On

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of July, 1962 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1587.9	.4	0	0	1597.0	27.9	0	0	1595.9	23.0	0	0	1590.8	5.6	0	.6	1
2	1587.8	.4	0	0	1596.8	27.0	0	0	1595.8	22.6	0	0	1590.2	4.2	0	.7	2
3	1587.6	.3	0	0	1596.6	26.1	0	0	1595.6	21.8	0	0	1589.9	3.5	0	.2	3
4	1587.5	.2	0	0	1596.5	25.6	0	0	1595.5	21.4	0	0	1589.7	3.1	0	.1	4
5	1587.4	.2	0	0	1596.3	24.8	0	0	1595.3	20.6	0	0	1589.5	2.7	0	.1	5
6	1587.3	.1	0	0	1596.1	23.8	0	0	1595.2	20.2	0	0	1589.4	2.6	0	.1	6
7	1587.3	.1	0	0	1596.0	23.4	0	0	1595.1	19.8	0	0	1589.3	2.4	0	.1	7
8	1587.2	.1	0	0	1595.8	22.6	0	0	1595.0	19.4	0	0	1589.3	2.4	0	0	8
9	1601.2	51.8	26.1	0	1595.7	22.2	0	0	1594.9	19.0	0	0	1589.3	2.4	0	0	9
10	1601.8	55.6	4.0	0	1595.6	21.8	0	0	1594.8	18.7	0	0	1589.3	2.4	0	0	10
11	1601.2	51.8	0	0	1595.4	21.0	0	0	1594.7	18.3	0	0	1589.2	2.2	0	0	11
12	1600.6	49.1	0	0	1595.3	20.6	0	0	1594.6	18.0	0	0	1589.2	2.2	0	0	12
13	1600.4	46.6	0	0	1595.1	19.8	0	0	1594.5	17.6	0	0	1589.2	2.2	0	0	13
14	1600.2	45.4	0	0	1595.0	19.4	0	0	1594.4	17.2	0	0	1589.1	2.0	0	0	14
15	1599.9	43.5	0	0	1594.9	19.0	0	0	1594.3	16.9	0	0	1589.1	2.0	0	0	15
16	1599.7	42.3	0	0	1598.4	35.0	8.3	0	1594.2	16.5	0	0	1589.0	1.8	0	0	16
17	1599.5	41.2	0	0	1598.3	34.4	.2	0	1594.2	16.5	0	0	1588.9	1.6	0	0	17
18	1599.2	39.4	0	0	1598.1	33.3	0	0	1594.1	16.2	0	0	1588.8	1.5	0	0	18
19	1598.9	37.7	0	0	1597.9	32.3	0	0	1594.8	18.7	1.4	0	1588.7	1.4	0	0	19
20	1598.8	37.1	0	0	1597.7	31.3	0	0	1595.2	20.2	1.0	0	1588.6	1.2	0	0	20
21	1598.6	36.0	0	0	1597.5	30.4	0	0	1595.6	21.8	1.0	0	1588.5	1.1	0	0	21
22	1598.4	35.0	0	0	1597.3	29.4	0	0	1595.8	22.6	.6	0	1588.4	1.0	0	0	22
23	1598.2	33.9	0	0	1597.1	28.4	0	0	1595.4	21.0	0	.6	1588.3	.8	0	0	23
24	1597.9	32.3	0	0	1596.9	27.4	0	0	1594.8	18.7	0	1.0	1588.2	.7	0	0	24
25	1597.7	31.3	0	0	1596.7	26.6	0	0	1594.7	18.3	0	.2	1588.1	.6	0	0	25
26	1597.5	30.4	0	0	1596.6	26.1	0	0	1594.2	16.5	0	.7	1588.0	.5	0	0	26
27	1597.3	29.4	0	0	1596.4	25.2	0	0	1593.3	13.4	0	1.4	1587.8	.4	0	0	27
28	1597.2	28.9	0	0	1596.4	25.2	.4	0	1592.5	10.7	0	1.3	1587.6	.3	0	0	28
29					1596.3	24.8	0	0	1591.8	8.6	0	1.0	1587.4	.2	0	0	29
30					1596.2	24.3	0	0	1591.3	7.1	0	.6	1587.2	.1	0	0	30
31					1596.0	23.4	0	0					1587.0	0	0	0	31
TOTAL			30.1	0			8.9	0			4.0	6.8			0	1.9	
Inf. Ac. Ft.			59.7				17.7				7.9				0	88.5	
Outf. Ac. Ft.			0 + (31.3)				0 + (23.2)				13.5 + (10.7)				3.8 + (3.3)	17.3 + (71.2)	
Enclosure Mean Daily Inflow			26.1				8.3				1.4				0	26.1	
Enclosure Mean Daily Inflow			0				0				0				0	0	
Storage Change		+ 28.4				- 5.5				- 16.3				- 7.1		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.5	feet	on	2/10/63	Storage	60.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1587.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF 2/3/64
Max. Peak Inf.	145.	C.F.S. from	6:15 P.M.	on 2/9/63	to	6:30 P.M.	on 2/9/63	R.J. SARASUA	Hydrographer	Storage applied	RAP	AJF 2/3/64
Max. Peak Outf.	2.0	C.F.S. from		on VARIOUS DAYS	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF 2/3/64

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

76D138N-68B Ofc 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of THOMPSON CREEK Dam

In Thompson Creek for the Year Ending September 30, 1963
On

Continuous Water Stage Recorder Au

Drainage Area 3.51 Square Miles. Capacity of Reservoir 554.1 Ac. Ft. at Spillway Elev. 1634.1 Ft. as of July, 1962 Gage Heights Read at various times

Day	June				July				August				September				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.			0				0				0				0	88.5	
Outf. Ac. Ft.			0				0				0				0	17.3 + (71.2)	
Enclosure Mean Daily Inflow			0				0				0				0	26.1	
Enclosure Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1602.5	feet	on	2/10/63	Storage	60.7	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1587.0	feet	on	VARIOUS DAYS	Storage	0	Acre Feet	G.H. SHEPHERD	Dam Tender	Gage Hts. copied	RAP	AJF
Max. Peak Inf.	145.	C.F.S. from	6:15 P.M.	on 2/9/63	to	6:30 P.M.	on 2/9/63	R.J. SARASUA	Hydrographer	Storage applied	RAP	AJF
Max. Peak Outf.	2.0	C.F.S. from		on VARIOUS DAYS	to		on		Hydrographer	Inf. & Outf. comp.	RAP	AJF

REMARKS ( ) INDICATES PERCOLATION AND OTHER LOSSES.

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 1962

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	October				November				December				January				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0			0	0	6.8	1.9	1.0	0			0	0	1
2			0	0			0	0			15.3	16.3			0	0	2
3			0	0			0	0			0.5	0.5			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			0.8	0.8	13
14			0	0			0	0			1.8	1.8			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			8.8	8.8			0	0			21.7	21.7	20
21			0	0			0	0			0	0	7.2	2.8	5.0	3.6	21
22			0	0			0	0			0	0	6.9	2.0	10.1	10.5	22
23			0	0			0	0			0	0		0	0	1.0	23
24			0	0			0	0			0	0		0	0	0	24
25			0	0	5.3	0.8	9.9	9.5			0	0		0	0	0	25
26			0	0		0	2.1	2.5			0	0		0	0	0	26
27			0	0		0	0	0			0	0		0	0	0	27
28			0	0		0	0	0			0	0		0	0	0	28
29			0	0		0	0	0			0	0		0	0	0	29
30			0	0		0	0	0			0	0		0	0	0	30
31			0	0							0	0		0	0	0	31
TOTAL			0	0			20.8	20.8			18.6	18.6			37.6	37.6	
Inf. Ac. Ft.			0	0			41.3				36.9				74.6	152.8	
Outf. Ac. Ft.			0				41.3				36.9				74.6	152.8	
Maximum Mean Daily Inflow			0				9.9				15.3				21.7	21.7	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0				0				0		0	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	12.2	feet	on	2/8/62	Storage	75.4	Acre Feet					
Min. W. S. Elev.	1.8±	feet	on	VARIOUS DAYS	Storage	0	Acre Feet					
Max. Peak Inf.	240.	C.F.S. from	7:30 A.M.	on	2/8/62	to	7:45 A.M.	on	2/8/62			
Max. Peak Outf.	55.	C.F.S. from	6:45 P.M.	on	2/8/62	to	8:00 P.M.	on	2/8/62			

RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
D. RAGSDALE	Dam Tender	Gage Hts. copied	RAP	TS
E.S. BONADIMAN	Hydrographer	Storage applied	RAP	TS
	Hydrographer	Inf. & Outf. comp.	RAP	TS

REMARKS

74D138N-68B Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 1962

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	February				March				April				May				Day
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1		0	0	0		0	0	0			0	0			0	0	1
2		0	0	0		0	0	0			0	0			0	0	2
3		0	0	0		0	0	0			0	0			0	0	3
4		0	0	0		0	0	0			0	0			0	0	4
5		0	0	0		0	0	0			0	0			0	0	5
6		0	0	0	6.3	1.4	14.4	13.7			0	0			0	0	6
7	5.8	1.0	5.7	5.2		0	0	0.7			0	0			0	0	7
8	10.6	48.6	64.3	40.3		0	0	0			0	0			0	0	8
9	5.9	1.1	6.4	30.3		0	0	0			0	0			0	0	9
10	8.1	9.1	14.4	10.4		0	0	0			0	0			0	0	10
11	6.7	1.8	31.9	35.6		0	0	0			0	0			0	0	11
12		0	1.2	2.1		0	0	0			0	0			0	0	12
13		0	0	0		0	0	0			0	0			0	0	13
14		0	0.4	0.4		0	0	0			0	0			0.8	0.8	14
15	7.8	6.2	32.7	29.6		0	0	0			0	0			0	0	15
16	5.0	0.6	5.6	8.4		0	0	0			0	0			0	0	16
17		0	0	0.3		0	0	0			0	0			0	0	17
18		0	0	0	7.3	3.1	6.8	5.2			0	0			0	0	18
19		0	14.8	14.8		0	0.9	2.5			0	0			0	0	19
20	8.2	10.4	13.5	8.3	5.7	1.0	0.5	0			0	0			0	0	20
21	7.4	3.5	6.0	9.4		0	0.1	0.6			0	0			0	0	21
22	4.6	0.4	1.1	2.7	6.8	1.9	1.0	0			0	0			0	0	22
23		0	0	0.2		0	0	1.0			0	0			0	0	23
24		0	0	0		0	0	0			0	0			0	0	24
25		0	0	0		0	0	0			0	0			0	0	25
26		0	0	0		0	0	0			0	0			0.4	0.4	26
27		0	0	0		0	0	0			0	0			0	0	27
28		0	0	0	4.1	0.2	0.1	0			0	0			0	0	28
29						0	0	0.1			0	0			0	0	29
30						0	0	0			0	0			0	0	30
31						0	0	0							0	0	31
TOTAL			198.0	198.0			23.8	23.8			0	0			1.2	1.2	
Inf. Ac. Ft.			392.7				47.2				0				2.4	595.4	
Outf. Ac. Ft.			392.7				47.2				0				2.4	595.1	
Maximum Mean Daily Inflow			84.3				14.4				0				0.8	64.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change	0					0				0				0		0	

NO STORAGE

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev. 12.2 feet on 2/8/62 Storage 75.4 Acre Feet
Min. W. S. Elev. 1.8± feet on VARIOUS DAYS Storage 0 Acre Feet
Max. Peak Inf. 240. C.F.S. from 7:30 A.M. on 2/8/62 to 7:45 A.M. on 2/8/62
Max. Peak Outf. 55. C.F.S. from 6:45 P.M. on 2/8/62 to 8:00 P.M. on 2/8/62

RECORDS COLLECTED BY
D. RAGSDALE Dam Tender
E.S. BONADIMAN Hydrographer
Hydrographer

COMPUTATIONS ckd. Date
Gage Hts. copied RAP TS
Storage applied RAP TS
Inf. & Outf. comp. RAP TS

REMARKS

76D138M-688 Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 19 62

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	June Gage Height	June Acre Ft. Storage	June C.F.S. Inflow	June C.F.S. Outflow	July Gage Height	July Acre Ft. Storage	July C.F.S. Inflow	July C.F.S. Outflow	August Gage Height	August Acre Ft. Storage	August C.F.S. Inflow	August C.F.S. Outflow	September Gage Height	September Acre Ft. Storage	September C.F.S. Inflow	September C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15		NO STORAGE	0.2	0.2		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0	4.2	0.3	0.2	0	27
28			0	0			0	0			0	0			0	0.2	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			0.2	0.2			0	0			0	0			0.2	0.2	
Inf. Ac. Ft.			0.4				0				0				0.4	595.1	
Outf. Ac. Ft.			0.4				0				0				0.9	595.1	
Maximum Mean Daily Inflow			0.2				0				0				0.2	69.3	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	12.2	feet	on 2/8/62	Storage	75.4	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS chd. Date
Min. W. S. Elev.	1.8±	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied RAP TS
Max. Peak Inf.	240.	C.F.S. from	7:30 A.M. on 2/8/62	to	7:45 A.M.	on 2/8/67	E.S. BONADIMAN	Hydrographer	Storage applied RAP TS
Max. Peak Outf.	55.	C.F.S. from	6:45 P.M. on 2/8/62	to	8:00 P.M.	on 2/8/62		Hydrographer	Inf. & Outf. comp. RAP TS

REMARKS

76D138M-688 Oh 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In ~~On~~ Long Beach for the Year Ending September 30, 19 63

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17. ± Ft. as of July 1947 Gage Heights Read at various times

Day	October Gage Height	October Acre Ft. Storage	October C.F.S. Inflow	October C.F.S. Outflow	November Gage Height	November Acre Ft. Storage	November C.F.S. Inflow	November C.F.S. Outflow	December Gage Height	December Acre Ft. Storage	December C.F.S. Inflow	December C.F.S. Outflow	January Gage Height	January Acre Ft. Storage	January C.F.S. Inflow	January C.F.S. Outflow	Day
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0		NO STORAGE	0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			+	+			0	0	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	7.4	3.5	1.6	0	31
TOTAL			0	0			0	0			0	0			1.6	0	
Inf. Ac. Ft.			0				0				+				3.6	3.6	
Outf. Ac. Ft.			0				0				+				0	0	
Maximum Mean Daily Inflow			0				0				+				1.8	1.8	
Minimum Mean Daily Inflow			0				0				+				0	0	
Storage Change		0				0				0				+ 3.5		+ 3.5	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	17.4	feet	on 2/10/63	Storage	168.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS chd. Date
Min. W. S. Elev.	1.8 ±	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied RAP AJF
Max. Peak Inf.	580.	C.F.S. from	8:45 A.M. on 2/10/63	to	9:00 A.M.	on 2/10/63	E.S. BONADIMAN	Hydrographer	Storage applied RAP AJF
Max. Peak Outf.	57.5	C.F.S. from	12:05 A.M. on 2/11/63	to	1:00 A.M.	on 2/11/63		Hydrographer	Inf. & Outf. comp. RAP AJF

REMARKS

76D 138N-68B Gls 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1963

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	February Gage Height	February Acre Ft. Storage	February C.F.S. Inflow	February C.F.S. Outflow	March Gage Height	March Acre Ft. Storage	March C.F.S. Inflow	March C.F.S. Outflow	April Gage Height	April Acre Ft. Storage	April C.F.S. Inflow	April C.F.S. Outflow	May Gage Height	May Acre Ft. Storage	May C.F.S. Inflow	May C.F.S. Outflow	Day
1	7.2	2.8	1.6	2.0			0	0			0	0		0	0	0	1
2		0	0	1.4			0	0			0	0			0	0	2
3		0	0	0			0	0			0	0			0	0	3
4		0	0	0			0	0			0	0			0	0	4
5		0	0	0			0	0			0	0			0	0	5
6		0	0	0			0	0			0	0			0	0	6
7		0	0	0			0	0			0	0			0	0	7
8		0	0	0	NO STORAGE		0	0	NO STORAGE		0	0			0	0	8
9	9.2	25.6	30.8	17.9			0	0			.2	.2		0	0	0	9
10	14.2	110.1	95.2	52.6			0	0			0	0	3.7	.2	.1	0	10
11	7.9	7.0	3.0	55.0			0	0			0	0			0	.1	11
12			2.7	6.2			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			.7	.7			0	0			.4	.4			0	0	14
15			0	0			0	0			.4	.4			0	0	15
16			0	0	8.6	16.0	15.4	7.3			0	0			0	0	16
17			0	0	4.2	.3	3.5	11.5			1.0	1.0			0	0	17
18			0	0			0	.1			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			.5	.5			0	0	20
21		NO STORAGE	0	0			0	0			0	0		NO STORAGE	0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			8.4	8.4			0	0			0	0	23
24			0	0		NO STORAGE	0	0			0	0			0	0	24
25			0	0			0	0	7.4	3.5	1.8	0			0	0	25
26			0	0			0	0		0	6.5	8.3			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			25.7	25.7			0	0			0	0	28
29							2	2			0	0			0	0	29
30							0	0		0	0	0			0	0	30
31							0	0							0	0	31
TOTAL			134.0	135.8			53.2	53.2			10.6	10.6			.1	.1	
Inf. Ac. Ft.			265.8				105.5				21.4				0.2	396.5	
Outf. Ac. Ft.			269.4				105.5				21.4				0.2	396.5	
Maximum Mean Daily Inflow			95.2				25.7				6.5				0.1	95.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		- 3.5				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	17.4	feet	on 2/10/63	Storage	168.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1.8 ±	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	RAP AJF 2/7/64
Max. Peak Inf.	580.	C.F.S. from	8:45 A.M. on 2/10/63	to	9:00 A.M.	on 2/10/63	E.S. BONADIMAN	Hydrographer	Storage applied	RAP AJF 2/7/64
Max. Peak Outf.	57.5	C.F.S. from	12:05 A.M. on 2/11/63	to	1:00 A.M.	on 2/11/63		Hydrographer	Inf. & Outf. comp.	RAP AJF 2/7/64

REMARKS

76D 138N-68B Gls 12-57

DAM OPERATION RECORD
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of HAMILTON BOWL Dam

In Long Beach for the Year Ending September 30, 1963

Continuous Water Stage Recorder H.C.F.

Drainage Area 3.5 Square Miles. Capacity of Reservoir 160.4 Ac. Ft. at Spillway Elev. 17.± Ft. as of July 1947 Gage Heights Read at various times

Day	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			5.2	5.2	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			10.2	10.2			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	4.2	.3	11.0	10.7	17
18			0	0			0	0			0	0			0	.3	18
19			0	0			0	0			0	0			.6	.6	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			.1	.1	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			10.2	10.2			0	0			0	0			16.9	16.9	
Inf. Ac. Ft.			20.2				0				0				33.5	450.2	
Outf. Ac. Ft.			20.2				0				0				33.5	450.2	
Maximum Mean Daily Inflow			10.2				0				0				11.0	95.2	
Minimum Mean Daily Inflow			0				0				0				0	0	
Storage Change		0				0				0				0		0	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	17.4	feet	on 2/10/63	Storage	168.9	Acre Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd. Date
Min. W. S. Elev.	1.8 ±	feet	on VARIOUS DAYS	Storage	0	Acre Feet	D. RAGSDALE	Dam Tender	Gage Hts. copied	RAP AJF 2/7/64
Max. Peak Inf.	580.	C.F.S. from	8:45 A.M. on 2/10/63	to	9:00 A.M.	on 2/10/63	E.S. BONADIMAN	Hydrographer	Storage applied	RAP AJF
Max. Peak Outf.	57.5	C.F.S. from	12:05 A.M. on 2/11/63	to	1:00 A.M.	on 2/11/63		Hydrographer	Inf. & Outf. comp.	RAP AJF

REMARKS

TABLE XV

YEARLY RESERVOIR OPERATION SUMMARY

1961-62 1962-63

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	PERIOD	C.F.S.	MO.	DAY	PERIOD	C.F.S.	MAX.	MIN.	SEPT. 30
PACOIMA	1961-62	6326.	584.	0	6279.	2	11	3:45 P.M. TO 4:00 P.M.	811.	4	7	3:00 A.M. TO 3:30 A.M.	511.	1906.	46.	95.
	1962-63	384.	8.1	0.1	228.	2	10	5:00 A.M. TO 6:15 A.M.	19.4	9	25	2:10 P.M. TO 2:25 P.M.	24.	437.	95.	251.
BIG TUJUNGA	1961-62	16711.	2544.	0.4	16776.	2	11	1:15 P.M. TO 1:30 P.M.	5048.	2	11	8:20 P.M. TO 8:55 P.M.	3702.	4468.	0	157.
	1962-63	1715.	90.	0.2	1359.	2	10	1:00 A.M. TO 1:15 A.M.	237.	9	4	MIDNIGHT TO MIDNIGHT	7.7	1478.	124.	513.
DEVIL'S GATE	1961-62	7014.	970.	0	5260.	2	11	2:30 P.M. TO 2:45 P.M.	1841.	2	11	6:00 P.M. TO 8:00 P.M.	812.	2209.	0	0
	1962-63	1215.	289.	0	251.	2	9	7:00 P.M. TO 7:15 P.M.	1292.	6	21	9:45 A.M. TO 10:35 A.M.	51.	793.	0	9.7
EATON WASH	1961-62	1729.	322.	0	1299.	2	11	12:45 P.M. TO 1:00 P.M.	737.	2	11	MIDNIGHT TO MIDNIGHT	204.	559.	0	0
	1962-63	177.	51.	0	19.	2	9	8:00 A.M. TO 8:15 P.M.	198.	5	10	8:35 A.M. TO 1:00 P.M.	32.	130.	0	1.6
SANTA ANITA	1961-62	6328.	682.	0.1	6242.	2	11	5:45 P.M. TO 6:00 P.M.	1464.	2	11	6:00 P.M. TO 7:00 P.M.	1350.	699.	0	220.
	1962-63	1628.	56.	0.7	1848.	2	9	8:45 P.M. TO 9:00 P.M.	368.	7	16	6:30 A.M. TO NOON	105.	360.	0	0
SAWPIT	1961-62	1269.	122.	0.1	1236.	2	11	3:00 P.M. TO 3:15 P.M.	282.	2	11-12		146.	159.	0	32.
	1962-63	256.	12.	0.1	256.	2	9	9:00 P.M. TO 9:15 P.M.	77.	2	9	10:00 P.M. TO 11:00 P.M.	42.	37.	32.	32.
COGSWELL	1961-62	25497.	3479.	0.3	23255.	2	11	1:15 P.M. TO 1:30 P.M.	7011.	2	11	3:35 P.M. TO 8:10 P.M.	2266.	7992.	34.	1952.
	1962-63	3220.	153.	0.6	4783.	2	9	9:45 P.M. TO 10:00 P.M.	1017.	10	16	9:40 A.M. TO 10:15 A.M.	53.	2375.	88.	149.
SAN GABRIEL	1961-62	116890.	6353.	3.4	112380.	2	11	3:00 P.M. TO 3:15 P.M.	13960.	2	15	9:30 A.M. TO NOON	1980.	29860.	26.	2717.
	1962-63	25930.	512.	6.2	24587.	2	9	10:00 P.M. TO 10:15 P.M.	2443.			VARIOUS DAYS	82.	6515.	1130.	3135.
BIG DALTON	1961-62	1222.	63.	0	933.	12	2	6:45 A.M. TO 7:00 A.M.	1133.	2	19	8:40 A.M. TO 9:10 A.M.	30.	618.	47.	248.
	1962-63	248.	20.	0.1	159.	2	9	7:45 P.M. TO 8:00 P.M.	92.	10	8	8:35 A.M. TO 1:30 P.M.	38.	283.	131.	282.
SAN DIMAS	1961-62	3206.	224.	0.02	2664.	11	20	2:15 P.M. TO 2:30 P.M.	2522.	12	3	9:50 A.M. TO 10:35 A.M.	215.	650.	0	380.
	1962-63	1001.	81.	0.1	1108.	2	9	7:00 P.M. TO 7:15 P.M.	440.	2	9	7:25 P.M. TO 7:35 P.M.	404.	377.	105.	170.
PUDDINGSTONE DIVERSION	1961-62	3277.	152.	0	3106.	11	20	3:15 P.M. TO 3:30 P.M.	2106.	11	20	3:15 P.M. TO 3:30 P.M.	625.	105.	0	0
	1962-63	827.	95.	0	515.	2	9	9:00 P.M. TO 9:15 P.M.	640.	2	9	10:30 P.M. TO 11:30 P.M.	260.	119.	0	0
PUDDINGSTONE	1961-62	4463.	173.	0	33.	12.	2	6:45 A.M. TO 7:00 A.M.	963.	4	2	MIDNIGHT TO MIDNIGHT	4.4	8469.	4428.	7618.
	1962-63	927.	139.	0	464.	2	10	5:00 A.M. TO 6:00 A.M.	325.	11	28	8:36 A.M. TO MIDNIGHT	21.	7615.	6932.	6769.
LIVE OAK	1961-62	186.	29.	0	111.	11	20	3:15 P.M. TO 3:30 P.M.	366.	2	25	8:30 A.M. TO 4:15 P.M.	11.	80.	0	0
	1962-63	12.7	5.8	0	5.4	2	9	9:45 P.M. TO 10:15 P.M.	23.	2	25	10:15 A.M. TO 12:15 P.M.	4.0	12.4	0	0
THOMPSON CREEK	1961-62	101.	9.3	0	0	11	20	2:45 P.M. TO 3:00 P.M.	190.				0	74.	0	0
	1962-63	88.	26.	0	17.	2	9	6:15 P.M. TO 6:30 P.M.	145.			VARIOUS DAYS	2.0	61.	0	0
HAMILTON BOWL	1961-62	595.	64.	0	595.	2	8	7:30 A.M. TO 7:45 A.M.	240.	2	8	6:45 P.M. TO 8:00 P.M.	55.	75.	0	0
	1962-63	450.	95.	0	450.	2	10	8:45 A.M. TO 9:00 A.M.	580.	2	11	12:05 A.M. TO 1:00 A.M.	58.	169.	0	0

DEBRIS DAMS
&
DEBRIS BASINS

DEBRIS DAMS AND DEBRIS BASINS

FOREWORD

The District operated and maintained twelve debris dams and forty-four debris basins during the 1961-62 and the 1962-63 water years. The Los Angeles District, Corps of Engineers, Department of the Army, operated and maintained Haines Debris Basin. Pertinent data relative to District debris dams and basins are presented herein.

PURPOSE

Debris dams and basins serve to retain detritus from their respective drainage areas and direct clear-water flow therefrom to appropriate storm drains or flood channels.

NEW FACILITIES

Englewild Debris Basin was completed by the contractor in May 1962 and was accepted by the District for operation and maintenance in June 1962.

Lower Big Dalton Dam and Lower Floral Debris Basin were dropped from the list of District-operated structures following the 1961-62 season when alterations had made them ineffective.

Wilson Debris Dam and Schoolhouse Debris Basin were completed by the Corps of Engineers in November 1962 and were accepted by the District for operation and maintenance in June 1963.

RESPONSIBILITY

The compilation of debris dam and debris basin records was under the immediate direction of Mr. E. C. Kenyon, Section Head, Special Assignments Section, up to July 1962 and for the remainder of this report period by Mr. K. D. Matthews, Section Head, Special Assignments Section. The operation and maintenance, such as mechanical operation of outflow facilities, maintenance and construction of pertinent structures and access thereto were under the supervision of Mr. H. C. Porter, Chief, Operation and Maintenance Division.

Pertinent data relative to the District's debris dams and debris basins are presented in the following tabulations:

TABLE XVI

DEBRIS DAMS

NAME	DATE OF ACCEPTANCE BY DISTRICT	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1962-63 SEASON	APPROXIMATE DEBRIS DEPOSITION - CU. YDS. 1961-62	1962-63
1. Bailey	Dec. 1954 [1]	0.60	158,100	158,000	10,102	1,480
2. Big Dalton	Jan. 1960	2.62	616,900	615,100	130,374	10,125
3. La Tuna	Dec. 1960 [3]	5.34	518,400	518,400	26,884	(N)
4. Little Dalton	Jan. 1960	3.31	733,500	733,500	185,606	12,944
5. Rubio	Apr. 1944	1.26	152,300	128,300	11,019	5,013
6. Santa Anita	Dec. 1959	1.70	478,600	478,600	132,001 [3]	31,452
7. Sawpit	Jan. 1955	2.84	745,600	745,600	68,007	5,124
8. Sierra Madre	Feb. 1928	2.39	151,800	145,800	11,503 [4]	140 [4]
9. Sierra Madre Villa	May 1958	1.46	490,900	490,900	118,612	12,415
10. Sunset	Nov. 1929	0.44	17,000	14,700	1,147 [4]	(N) [4]
11. Verdugo	Mar. 1935	10.06 [5] [6]	179,900	141,100	38,261 [4]	3,772 [4]
12. Wilson	June 1963	2.58	300,000 [7]	300,000	- -	5,570

DEBRIS BASINS

NAME	DATE OF ACCEPTANCE BY DISTRICT	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1962-63 SEASON	APPROXIMATE DEBRIS DEPOSITION - CU. YDS. 1961-62	1962-63
1. Altadena Golf Course	1911	0.57 [6]	12,500	12,000	(N)	94
2. Auburn	Dec. 1954	0.19	45,100	45,000	24,164	2,817
3. Bradbury	Jan. 1955	0.68	69,400	56,600	12,822	(N)
4. Brand	Nov. 1935	1.03	72,500	59,000	2,476	(N)
5. Carter	Dec. 1954	0.12	22,000	22,000	11,165	1,594
6. Cooks	Jan. 1952	0.58 [8]	47,500	45,900	987	(N)
7. Deer	Nov. 1954	0.59	44,600	41,000	1,030	1,504
8. Dunsmuir	Mar. 1935	0.84 [8]	124,500	119,500	2,829	3,908
9. Eagle	Oct. 1936	0.61 [8]	72,400	61,800	1,762	1,198
10. Englewild	June 1962	0.40	48,800	47,400	1,322	103
11. Fair Oaks	Dec. 1935	0.21	28,500	21,900	530	4,060
12. Fern	Dec. 1935	0.30	32,900	28,300	399	6,732
13. Floral (Upper)	Mar. 1954	0.06	2,300	0	837	--
14. Gooseberry	Sept. 1959	0.26	2,100	400	1,682	(N)
15. Gould	Dec. 1947	0.47	53,900	53,200	12,983	170
16. Haines [9]	June 1938	1.53	158,600	129,600	1,755	(N)
17. Halls	Nov. 1935	1.06 [8] [12]	93,500	74,700	14,914	6,187
18. Harrow	Mar. 1959	0.43	88,300	87,400	865	(N)
19. Hay	Oct. 1936	0.20	39,800	31,900	5,608	1,524
20. Lannan	Mar. 1954	0.25	56,500	55,800	2,189	3,037
21. Las Flores	Apr. 1936	0.45	61,600	53,400	525	24,737
22. Lincoln	Jan. 1936	0.50	40,900	36,200	1,046	797
23. Maddock	Jan. 1955	0.25	32,600	28,400	3,096	(N)
24. May No. 1	Aug. 1953	0.70	67,100	59,500	2,150	(N)
25. May No. 2	Aug. 1953	0.09	6,700	6,400	51	(N)

DEBRIS BASINS (Continued)

NAME	DATE OF ACCEPTANCE BY DISTRICT	DRAINAGE AREA IN SQ. MILES#	MAX. DEBRIS CAPACITY CU. YDS.	CAPACITY AT BEGINNING OF 1962-63 SEASON	APPROXIMATE DEBRIS DEPOSITION - CU. YDS. 1961-62	1962-63
26. McClure	Dec. 1953	0.62	93,300	87,700	2,043	354
27. Nichols	Nov. 1937	0.94	32,200	28,600	5,417	1,363
28. Paradise	Mar. 1952 11/	0.60 6/	14,800	12,600	3,642	1,046
29. Pickens	Nov. 1935	1.84 8/	118,400	98,800	10,355	6.333
30. Rowley	Jan. 1954	0.58	43,300	38,400	1,142	(N)
31. Ruby (Upper)	Jan. 1954	0.21	16,300	12,700	1,465 4/	(N)
32. Ruby (Lower)	Dec. 1955	0.28	32,200	29,300	1,626	355
33. Scholl	Aug. 1945 12/	0.66	30,400	30,400	(N)	683
34. Schoolhouse	June 1963	0.28	78,600	78,600	--	21,627
35. Shields	Jan. 1937	0.27	46,900	43,800	1,060	(N)
36. Snover	Feb. 1937	0.23 8/	37,900	15,600	680 4/	(N)
37. Sparr	Feb. 1947	0.84	16,000	16,000	2,205	912
38. Spinks	Feb. 1959	0.44	64,600	62,000	2,635	1,834
39. Stough	Dec. 1960 13/	1.65	147,900	146,500	1,402	(N)
40. Turnbull	Jan. 1953	0.99	26,700	21,500	1,918	431
41. Ward (Upper)	Nov. 1956	0.10 8/	14,400	12,600	1,623	497
42. Ward (Lower)	Dec. 1944	0.58 6/ 8/	10,400	8,400	0	(N)
43. West Ravine	Dec. 1935	0.25	49,600	44,500	497	131
44. Wilbur Avenue	Jan. 1956 14/	8.63	41,700	41,700	30,888	3,900
45. Zachau	Aug. 1956	0.35	36,600	35,900	139	87

NOTES

\# Uncontrolled.
(N) Negligible amounts of debris deposited.
1/ Basin was originally constructed in 1945 and enlarged in December 1954.
2/ Basin was originally constructed in February 1956; reconstruction of the basin was completed December 1960.
3/ Total debris inflow, some of which was sluiced from Santa Anita Dam.
4/ Volume of debris deposited in basin does not include debris sluiced through open ports or notch.
5/ Excludes 6.07 square miles of drainage area controlled by debris basins designated by 8/.
6/ Uncontrolled drainage area is based on weighted average of the various area changes resulting from debris basin construction in branches of the drainage or other cultural changes.
7/ Design capacity.
8/ See Footnote 5/ above.
9/ Owned and operated by the Corps of Engineers, Department of the Army.
10/ Includes Webber Canyon.
11/ Basin was originally constructed in 1944; reconstruction of the basin was completed March 1952.
12/ Basin was originally constructed in 1945; revisions and alterations completed in 1962.
13/ Basin was originally constructed in 1941; first reconstruction was completed October 1957; second reconstruction of the basin was completed December 1960.
14/ Basin was originally constructed in 1942; reconstruction was completed January 1956.

GROUND WATER
&
CONSERVATION

WATER CONSERVATION

FOREWORD

Presented herein are data on the District's water conservation program. The data include amounts of local, imported, and reclaimed water conserved in spreading and recharge facilities and water absorbed in reservoirs and channels. Also, included are descriptions and locations of spreading facilities owned and operated by the District as well as facilities owned by others, and ground-water maps delineating ground-water elevations recorded during the biennial period.

The biennial period was marked by extremes in weather. The 1961-62 water year had above normal rainfall resulting in considerable runoff for conservation purposes; however, the 1962-63 water year was again below normal with little runoff available for conservation.

SPREADING GROUNDS

Three spreading grounds were developed during the biennial period, which increased the total gross acreage in grounds owned and operated by the District to 1,754 acres. The District assists in operation and maintenance functions on an additional 1,182 acres of spreading grounds owned by others. An additional 223 acres of spreading grounds is operated and controlled entirely by others. Total acreage for spreading purposes in the County amounts to 3,159 acres with a percolation capacity of 2,055 cfs.

The tables on the following pages give basic spreading grounds data, the amount of water conserved therein, and the amount of water conserved by means of reservoir and channel absorption. The tables indicate the various types of water conserved; namely, local water, imported water, and reclaimed water. Local water is that derived from rainfall on the mountain and valley watersheds within or tributary to the District. Imported water is that brought in from distant areas. To date, it has been Colorado River water purchased from the Metropolitan Water District with Zone I and Water Replenishment District funds. All reclaimed water referred to in this report is produced by the Los Angeles County Sanitation Districts' pilot water reclamation plant in the Whittier Narrows Reservoir area. The water produced by the reclamation plant is purchased by the Central and West Basin Water Replenishment District. The first reclaimed water was delivered on August 20, 1962.

NEW FACILITIES

Laguna Spreading Basin

Temporary facilities were constructed to conserve summer low flows.

San Dimas Spreading Development

An unlined canal was constructed along the south side of San Dimas Channel from Foothill Boulevard to Forbes Pit. This canal permits the spreading of water from Puddingstone Diversion Dam in the canal and also in Forbes Pit.

Walnut Creek Spreading Basin

An irrigation line diversion structure and channel modifications for later construction of a channel diversion structure and basin wasteway were constructed in conjunction with the Corps of Engineers' channel improvement contract. Irrigation waste water is spread in a temporary shallow basin while the deep basin is being excavated.

IMPROVED FACILITIES

Irwindale Spreading Basin

Excavation of the basin was completed..

Little Dalton Spreading Grounds

The initial development, consisting of nine shallow basins, was completed.

Live Oak Wash Spreading Grounds

Construction was begun on Live Oak Wash Debris Basin and channel improvement by the Corps of Engineers, which eliminated the temporary spreading facilities that were located in this area. The contract for this improvement included construction of diversion and wasteway facilities for Live Oak Spreading Grounds. Construction of the new spreading grounds was not started.

Miscellaneous Spreading Grounds

Excavation continued in Branford, Buena Vista, Peck Road, and Eaton Spreading Basins.

IMPORTED WATER

Operations continued on the program of using imported Colorado River water to replenish depleted ground-water basins and for the operations of the West Coast Basin Barrier Project to control sea-water intrusion. This imported water for the replenishment program has been purchased from the Metropolitan Water District with funds derived from Zone I and with Water Replenishment District funds. The water has been spread in the District's facilities in the Rio Hondo system and the San Gabriel River system. Summary of the imported water conserved in spreading facilities is found in Table XX. During the two-year period, 8,608 acre-feet of imported water was purchased by the Water Replenishment District for the operation of the West Coast Basin Barrier Project.

RECLAIMED WATER

In August 1962 the Whittier Narrows Water Reclamation Plant went on stream and spreading of effluent from the County Sanitation Districts' activated sludge treatment plant at Whittier Narrows was begun. The plant is rated at 12 mgd and was constructed to demonstrate the practicality of reclaiming water from sewage. The effluent was purchased by the Water Replenishment District and was percolated in the Rio Hondo Spreading Grounds. Construction was initiated on facilities which would also permit delivery of reclaimed water to the San Gabriel River system.

A comprehensive monitoring program was established by the District. Water quality research was conducted jointly with the California Institute of Technology. Two small test basins were constructed, one at the Rio Hondo Spreading Grounds and one within Whittier Narrows Reservoir, to determine water quality change with underground movement. In addition, quarterly samples were collected from 16 wells in the general area of the project.

WATER QUALITY

Water samples from streams and wells were collected and analyzed to maintain a continuing record of water quality and develop basic standards on the quality of various

surface and underground waters within the District. During the period covered by this report, 2,283 complete and 1,680 partial analyses were made for this purpose.

Since the latter part of 1952, a deep well sampling program in the Central and West Coast Ground Water Basin has been conducted in cooperation with the California Water Service Company, Long Beach Water Department, Lynwood Water Department, Southern California Water Company, and Vernon Water Department. The purpose of this study is to determine the degree of intermixing or replacement of native ground water by imported Colorado River waters spread in the Montebello Forebay area. Samples from some 46 representative deep wells in the coastal region have been collected annually and analyzed for chemical quality by the cooperating agencies and the District's Foundation and Testing Division. The results of these analyses from 1952 to 1962 show that the replacement of natural waters with Colorado River water covers an area of approximately 16.5 square miles, during which time 647,500 acre-feet of Colorado River water was introduced to the underground.

BARRIER PROJECTS

West Coast Basin Barrier

During the biennial period, the operation of the existing facilities of the project remained routine. An average of 5.9 cfs was injected through 12 recharge wells for a total of 8,608 acre-feet. Water injected in 1961-62 was 4,460 acre-feet and 4,148 acre-feet in 1962-63. One of the activities associated with the operation of the project during this report period has been continued investigations to determine the cause of corrosion and clogging of injection wells and methods of preventing this action. Also, the methods of redevelopment required to maintain efficient operation of the facilities were investigated.

The total water injected since 1953 is 38,114 acre-feet. The water was purchased with Zone II funds prior to February 1961 and with Water Replenishment District funds after that date.

Alamitos Barrier

Design was initiated for a project to prevent sea-water intrusion into the Central Basin. This project, known as the Alamitos Barrier Project, will lie east of the City of Long Beach. As proposed, the barrier will extend in a semi-circle from approximately Pacific Coast Highway and Colorado Street easterly along Seventh Street to the County boundary line and then southeasterly along the boundary line for approximately one mile.

Dominguez Gap Barrier Project

An engineering report is under preparation which concerns sea-water intrusion into the West Coast Basin from San Pedro Bay.

EXPLORATION AND OBSERVATION WELLS

During this period, 45 wells were drilled for monitoring ground-water levels and obtaining geologic data for use in planning and operating various District water conservation projects. Most of these wells were drilled by the District; however, several wells were drilled by cooperating agencies and were preserved by the District for future use.

SEASONAL DATA AND MAPS

During the biennial period covered by this report, over 71,000 observations of ground-water elevations were secured from approximately 4,200 wells.

Hydrographs for several key wells are included in this report on pages 391 to 409.

Sixteen years of the current 19-year drought period have averaged less than 70 per cent of the 90-year rainfall average. Although the 1961-62 season was above normal, the increased pumping extractions in the County and a below normal rainfall during the 1962-63 season resulted in again establishing historical low ground-water elevations in many basins. Due to an Interim Agreement entered into by the principal pumpers in the Central Basin of the Coastal Plain, which limited the amount of extractions by each party, a marked rise in ground-water elevations in the deep aquifer was noted during the period. The differentials in water levels or pressure gradients between the series of important shallow and deep aquifers are still appreciable and require at least primary segregation of aquifers on the basis of shallow (upper Pleistocene) and deep (lower Pleistocene) aquifers. Ground-water maps of the Coastal Plain prepared from 1930 to the fall of 1953 did not segregate aquifers, but showed composite contours for combined shallow and deep aquifers. Current shallow ground-water maps, however, specifically delineate contours for the principal producing shallow and/or merged aquifers. Deep zone maps prepared from 1951 to the fall of 1953 showed composite principal deep aquifer contours in the Central Basin only. Current deep aquifer maps delineate separate contours for the principal deep and/or merged producing aquifers in both the Central and West Coast Basin (Maps XV to XXII).

In addition to the maps prepared by this District, ground-water maps for Antelope Valley were drawn by the State Department of Water Resources, with which the District collaborates in the collection of data (Maps XXV and XXVI).

GROUND-WATER BASINS

Ground-water basins in Los Angeles County are grouped under their five local watershed areas; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara River Valley, and Antelope Valley. Reference is made to Map No. VI, page for basin locations. For further and more detailed description and discussion of the various ground-water basins within the District, reference is made to previous reports on hydrologic data published by the District for the years 1941-42, 1951-53, and 1957-59.

San Fernando Valley

The Department of Water and Power of the City of Los Angeles supplies the major part of the San Fernando Valley with water imported from the Owens River. Also, extensive pumping takes place in the easterly portion of the basin. Water levels have continued to recede in the western half of the valley even though there is relatively little draft on the ground water in that area. In other portions of the valley, water levels have continued to decline. The sub-basins showed a slight recovery following the above normal rainfall of 1961-62; however, levels have reached new historic lows in the eastern portion of the San Fernando Valley and in the Sylmar Basin.

Ground-water maps for the San Fernando Valley are shown on pages 411 to 417.

San Gabriel Valley

A continual discharge of ground water from the Main Basin through Whittier Narrows into the Montebello Forebay of the Central Basin in the form of underflow and

effluent seepage takes place. The latter is referred to locally as rising water. Rising water flow showed a slight increase in 1957-58 and 1961-62, but generally the flow has steadily declined since 1944. It reached a new historic low during the summer of 1963. Above normal rainfall in 1962 resulted in some recovery of ground water in the basin. General lowering subsequent to the spring of 1962 resulted in record low ground-water levels in 1963.

Water levels have continued to decline, with record lows noted in the Main San Gabriel, Raymond, Monk Hill, Wayhill, Pomona, and Puente basins during the biennial period.

Ground-water maps for the San Gabriel Valley are shown on pages 419 to 425.

Coastal Plain

Marked recovery in water levels of the Central Basin pressure aquifers during 1962 and 1963 resulted from reduction in pumping by the principal water users under the Interim Agreement.

Water levels in the West Coast Basin have remained fairly static. A judgment of the Court defining the rights of water producers in this basin was entered in August 1961. Water production from the West Coast Basin had previously been restricted by an Interim Agreement which had been in effect since March 1955.

Ground-water maps for the Coastal Plain are shown on pages 427 to 441.

Santa Clara River Valley

Ground-water levels have continued to decline during the period of this report, although a temporary recovery took place in some areas following the above normal rainfall of 1961-62. Due to the small differential in water levels between spring and fall and the small amount of storage involved, only the fall ground-water contour maps are drawn for this area. These maps are shown on pages 443 and 445.

Antelope Valley

Antelope Valley contains one principal ground-water basin, Lancaster Basin, and three smaller sub-basins: Neenach Basin at the west end of the valley; Buttes and Rock Creek basins in the southeastern part of the valley. In general, ground-water levels in the valley have dropped steadily since the 1920's.

Antelope Valley ground-water contour maps are shown on pages 447 and 449.

RESPONSIBILITY

Until July 1963, field and office work was under the direction of Arthur E. Bruington, Division Engineer, Water Conservation Division, assisted by Howard H. Haile, Supervising Civil Engineer. After July 1963, direction of the work was under Howard H. Haile, Division Engineer, Water Conservation Division, assisted by T. H. Stauffer. During this period, work was supervised by the following Section Heads: A. A. Ingram, C. Milne, C. J. Reinhard, C. H. Thomas, and E. J. Zielbauer.

TABLE XVII

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUNDS ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
PACOIMA	DAM TO LINED CHANNEL	6340. 193.	1460. 1/3/ 141. 1/3/	4880. 52.	1961-62 1962-63
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	23990. 2500.	6420. 1/3/ 2920. 1/3/	17570. 0	1961-62 1962-63
DEVIL'S GATE	RESERVOIR ONLY	7010. 1210.	1630. 1/ 955. 1/	5380. 255.	1961-62 1962-63
EATON WASH	RESERVOIR ONLY	1730. 177.	375. 1/ 157. 1/	1360. 20.	1961-62 1962-63
SANTA ANITA	DAM TO FOOTHILL BOULEVARD	6240. 1850.	266. 1/ 524. 1/	5980. 1320.	1961-62 1962-63
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	85880. 3080.	7380. 2420.	78500. 660.	1961-62 1962-63
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	74790. 357.	20330. 1/ 236. 1/	54460. 121.	1961-62 1962-63
SAN GABRIEL	SANTA FE DAM TO RISING WATER (MAIN BASIN) (INCLUDES PORTION OF WALNUT CREEK)	193530. 73100.	51900. 18000.	141630. 55100.	1961-62 1962-63
SAN GABRIEL	RISING WATER TO FLORENCE AVENUE (COASTAL PLAIN)		PUBLISHED IN SPREADING GROUNDS, SEE TABLE		1961-62 1962-63
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL PLAIN)	17350. 5160.	5400. 1620.	11950. 3540.	1961-62 1962-63
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	9190. 0	516. 0	8670. 0	1961-62 1962-63
RIO HONDO	MISSION BRIDGE TO LINED CHANNEL (COASTAL PLAIN)	142730. 2/ 54280. 2/	20440. 12810.	122290. 41470.	1961-62 1962-63
SAN DIMAS	PUDDINGSTONE DIVERSION DAM TO LINED CHANNEL	3280. 827.	221. 1/ 598. 1/	3060. 229.	1961-62 1962-63
BIG AND LITTLE DALTON	RESERVOIRS ONLY	2420. 262.	589. 116.	1830. 146.	1961-62 1962-63
LIVE OAK	DAM TO FOOTHILL BOULEVARD	137. 6.	92. 6.	45. 0	1961-62 1962-63
WALNUT	PUDDINGSTONE DAM TO BEGINNING OF LINED CHANNEL	50. 483.	50. 72.	0 411.	1961-62 1962-63
THOMPSON	DAM TO FOOTHILL BOULEVARD	101. 88.	101. 1/ 88. 1/	0 0	1961-62 1962-63
SAN ANTONIO	DAM TO BASELINE ROAD	3390. 151.	2190. 1/ 151. 1/	1200. 0	1961-62 1962-63
TOTALS			119400. 40810.		1961-62 1962-63

NOTES: 1/ INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIRS.
2/ INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
3/ INCLUDES WATER DIVERTED FOR USE.
EXCESS OF RELEASE OVER ABSORPTION INCLUDES WATER SPREAD IN OFF-CHANNEL SPREADING GROUNDS.

TABLE XVIII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1963

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* CFS	INTAKE CFS	STORAGE A.F.	PERC. CFS			
LOPEZ	SHALLOW BASINS	1956-57	18	13		25	25	22	SOUTHEASTERLY SIDE OF PACOIMA WASH, NORTHEASTERLY OF FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM PACOIMA DAM AND LOPEZ FLOOD CONTROL BASIN.	THE FLOW IS DIVERTED FROM LOPEZ FLOOD CONTROL BASIN VIA CANAL TO THE SPREADING GROUNDS.
PACOIMA	SHALLOW BASINS	1932-33	175	122	17,000	400	330	165	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM, PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN. UNCONTROLLED FLOW FROM EAST CANYON AND PACOIMA WASH.	
HANSEN	SHALLOW BASINS	1944-45	156	110	22,000	450	230	210	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BOULEVARD SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	GENERALLY WATER IS AVAILABLE FOR SPREADING ONLY DURING YEARS OF NORMAL OR ABOVE NORMAL RAINFALL.
BRANFORD	DEEP BASIN	1956-57	12	-	1,540	1,540	135	15	SOUTHWESTERLY OF ARLITA STREET ABOVE CONFLUENCE OF TUJUNGA CHANNEL AND PACOIMA DIVERSION CHANNEL.	UNCONTROLLED FLOWS FROM BRANFORD STREET-CANTARA STREET DRAIN.	BASIN DEVELOPMENT 85% COMPLETE. OUTLET CAPACITY 1540 CFS TO PACOIMA DIVERSION CHANNEL.
ARROYO SECO	SHALLOW BASINS	1948-49	24	13	-	100	30	26	EASTERLY SIDE OF ARROYO SECO. LOWER END 0.5 MILE ABOVE DEVIL'S GATE DAM.	UNCONTROLLED FLOW FROM ARROYO SECO AND THE ALTADENA STORM DRAIN.	SPREADING GROUNDS ARE HELD UNDER EASEMENT FROM THE CITY OF PASADENA.
EATON SPREADING GROUNDS	DEEP AND SHALLOW BASINS	1947-48	29	23	6,600	100	420	15	EASTERLY SIDE OF EATON WASH BELOW EATON DAM TO FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM EATON WASH DAM AND SIERRA MADRE VILLA CHANNEL.	THREE DEEP BASINS COMPRISE 15 ACRES. THE SHALLOW STRIP BASINS TOTAL 14 ACRES.
SANTA ANITA	SHALLOW BASINS	1944-45	20	8	-	20	25	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MILES ABOVE FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM SANTA ANITA DAM AND SANTA ANITA DEBRIS DAM.	THE HEADWORKS LOCATED UPSTREAM OF THE DEBRIS DAM DIVERTS WATER TO SANTA ANITA SPREADING GROUNDS AND CITY OF SIERRA MADRE SPREADING GDS.
SAWPIT	SHALLOW BASINS	1946-47	12	4	-	30	13	12	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON AT HEAD OF NORUMBEGA STREET, MONROVIA.	CONTROLLED FLOWS FROM SAWPIT DEBRIS DAM.	INTAKE TOWER CONSTRUCTED IN DEBRIS DAM IN 1962 TO CONTROL OUTFLOW.
LITTLE DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1931-32	16	-	-	20	-	10	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS DAM SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS DAM.	SHALLOW BASINS DEVELOPED IN LOWER PORTION OF GROUNDS IN 1962.
BIG DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1930-31	24	13	-	45	25	15	WESTERLY SIDE OF BIG DALTON WASH. INTAKE 1/2 MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM AND BIG DALTON DEBRIS DAM.	
LIVE OAK	SHALLOW BASINS	-	5	1	-	15	2	2	EAST SIDE OF LIVE OAK WASH, NORTH OF BASE LINE ROAD (PROJECTED).	CONTROLLED FLOW FROM LIVE OAK DAM.	CONSTRUCTION STARTED ON DEBRIS DAM AND RELOCATION OF SPREADING GROUNDS IN 1963.
LAGUNA SPREADING GROUNDS	SHALLOW BASINS	1962-63	6	3	-	-	5	-	EAST SIDE LONG BEACH FREEWAY, 1/2 MILE NORTH OF BROOKLYN AVENUE.	LOCAL RUNOFF FROM ALHAMBRA AND EL SERENO VIA DORCHESTER DRAIN.	THE PIT IN WHICH BASINS ARE LOCATED WAS DESIGNED AS A RETENTION BASIN FOR THE DORCHESTER STORM DRAIN.
EATON SPREADING BASIN	DEEP BASIN	1956-57	16	-	9,600	400	220	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	BASIN UNDER DEVELOPMENT, THEREFORE, STORAGE AND PERCOLATING CAPACITY SUBJECT TO CHANGE.
PECK ROAD	DEEP BASIN	1959-60	157	85	-	30,100	2,992	50	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	ULTIMATE DEVELOPMENT WILL CONSIST OF ONE BASIN WITH A CAPACITY OF 6,700 ACRE FEET.
BUENA VISTA	DEEP BASIN	1954-55	10	-	2,900	2,900	194	30	1.0± MILE EASTERLY OF SAWPIT WASH, 0.5+ MILE NORTHERLY OF ARROW HIGHWAY, BETWEEN MERIDIAN STREET AND BUENA VISTA CHANNEL.	CONTROLLED FLOW FROM SANTA FE DAM AND UNCONTROLLED FLOW FROM BUENA VISTA CHANNEL.	NO OUTFLOW EXPECTED FOR CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED. INLET CAPACITY OF SANTA FE DIVERSION 120 CFS.

TABLE XVIII (CONT'D.)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1963

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* CFS	INTAKE CFS	STORAGE A.F.	PERC. CFS			
SANTA FE	SHALLOW BASINS	1953-54	193	133	-	500	200	220	WITHIN SANTA FE DAM RESERVOIR AREA, NORTH OF SPILLWAY.	CONTROLLED FLOWS FROM SAN GABRIEL CANYON AND UNCONTROLLED FLOWS FROM BRADBURY CHANNEL AND SAN GABRIEL RIVER BELOW MORRIS RESERVOIR.	RIGHT OF WAY, HELD UNDER LICENSE FROM THE FEDERAL GOVERNMENT. INCLUDES 30± ACRES IN SAN GABRIEL RIVER BED FOR EARTH DIVERSION LEVEE. BRADBURY CHANNEL FLOW (CAPACITY OF 4900 CFS) DISCHARGES INTO BASIN NO. 4.
IRWINDALE	DEEP BASINS	1958-59	17	12	20,000	200	430	20	NORTHEASTERLY OF INTERSECTION OF BIG DALTON CHANNEL AND IRWINDALE AVENUE. CONTINUES 1300 FEET EAST OF IRWINDALE AVENUE.	BIG DALTON CHANNEL CONTROLLED FLOWS FROM BIG AND LITTLE DALTON DEBRIS DAMS AND PUDDINGSTONE DIVERSION DAM; UNCONTROLLED FLOWS.	BASIN EXCAVATION COMPLETED DURING DURING 1963.
CITRUS	SHALLOW BASINS	1960-61	19	15	-	25	20	20	SOUTH SIDE OF BIG DALTON WASH BETWEEN CITRUS AND CERRITOS AVENUES.	CONTROLLED RELEASES FROM AZUSA IRRIGATION COMPANY PIPELINE.	SPREADING GROUNDS ARE UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE AZUSA IRRIGATION COMPANY.
BEN LOMOND	SHALLOW BASINS	1958-59	24	17	-	25	25	20	BOTH NORTH AND SOUTH SIDES OF SAN DIMAS WASH CHANNEL AT SOUTHWESTERLY CORNER OF INTERSECTION OF ARROW HIGHWAY AND BEN LOMOND AVENUE.	CONTROLLED RELEASES FROM COVINA IRRIGATING COMPANY PIPELINE.	SPREADING GROUNDS UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE COVINA IRRIGATING COMPANY PIPELINE.
WALNUT CREEK SPREADING BASIN	TEMPORARY SHALLOW BASIN	1962-63	16	3	-	10	6	-	WEST SIDE OF WALNUT WASH CHANNEL, NORTH OF SAN BERNARDINO FREEWAY.	EXCESS WATER FROM COVINA IRRIGATING COMPANY.	WATER SPREAD IN SHALLOW BASIN ONLY DEEP BASIN BEING EXCAVATED.
SAN DIMAS SPREADING DEVELOPMENT	NARROW CANAL AND DEEP BASIN		49	-	-	25	210	-	SOUTHEAST SIDE OF SAN DIMAS CHANNEL FROM FOOTHILL BOULEVARD TO FORBES PIT.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM.	DEVELOPMENT COMPLETED SEPTEMBER 1963. NO WATER SPREAD IN THE PERIOD OF THIS REPORT.
SAN GABRIEL COASTAL	SHALLOW BASINS	1938-39	132	101	-	200	400	80	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BOULEVARD TO WASHINGTON BOULEVARD.	CONTROLLED FLOW FROM DAMS IN SAN GABRIEL CANYON AND SANTA FE DAM, AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM VIA SAN GABRIEL RIVER, ALSO IMPORTED AND RECLAIMED WATER.	BY AGREEMENT REACHED IN 1963 WITH THE CITY OF PICO RIVERA, THE DISTRICT ACQUIRED 4.2 ACRES AT SAN GABRIEL SPREADING GROUNDS AND GAVE UP 3.5 ACRES AT RIO HONDO SPREADING GROUNDS.
SAN GABRIEL RIVER	TEMPORARY CHECK LEVEES	1954-55	- -	133	-	-	-	150	SAN GABRIEL RIVER FROM WHITTIER NARROWS DAM TO FLORENCE AVENUE.	SAME AS SAN GABRIEL COASTAL	CHECK LEVEES DEVELOPED IN RIVER TO SPREAD IMPORTED WATER.
RIO HONDO COASTAL	SHALLOW BASINS	1937-38	570	455	40,000	900	1,875	485	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (SOUTH OF WHITTIER BOULEVARD) TO SLAUSON AVENUE. WEST SIDE OF RIO HONDO CHANNEL FROM ABOVE WHITTIER BOULEVARD SOUTH TO FOSTER BRIDGE BOULEVARD.	CONTROLLED RELEASES FROM SAN GABRIEL CANYON DAMS AND SANTA FE DAM, AND CONTROLLED RELEASES OUT OF WHITTIER NARROWS DAM FROM VALLEY RUNOFF VIA RIO HONDO. ALSO IMPORTED AND RECLAIMED WATER.	IN COOPERATION WITH THE CORPS OF ENGINEERS, THE DISTRICT OPERATES A 1000 ACRE-FOOT POOL AT WHITTIER NARROWS DAM FOR RETENTION OF STORM WATERS.
DOMINGUEZ GAP	DEEP BASINS	1957-58	54	26	-	20	237	6	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL AND UNCONTROLLED FLOWS FROM STORM DRAINS.	EAST SIDE BASIN IS USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER. WEST SIDE BASIN IS FED BY A 42-INCH CONCRETE PIPE FROM THE EAST SIDE BASIN.
TOTALS			1,754					1,590			

*DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATIONS

TABLE XIX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER SPREAD AT GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1963

RECORD OF LOCAL WATER SPREAD
ACRE FEET

	SAN FERNANDO VALLEY				SAN GABRIEL VALLEY - FOOTHILLS								
SEASON	LOPEZ	PACOIMA	HANSEN	BRANFORD	ARROYO SECO	EATON S.G.	SANTA ANITA	SAWPIT	LITTLE DALTON	BIG DALTON	LIVE OAK	SUB-TOTAL	SEASON
1930-31										10		10	1930-31
32									160	394		554	32
33		26							0	0		26	33
34		230							0	100		330	34
35		1,200							0	131		1,331	35
36		2,000							0	0		2,000	36
37		4,680							275	866		5,821	37
38		3,844							287	397		4,528	38
39		363							12	49		424	39
40		907							0	0		907	40
41		9,775							1,166	1,528		12,469	41
42		37							0	0		37	42
43		3,744							1,084	1,191		6,019	43
44		7,223							469	543		8,235	44
45		1,467	7,651				337		290	64		9,809	45
46		514	2,268				0		73	47		2,902	46
47		3,763	8,725				141	89	89	174		12,981	47
48		0	0			1	0	0	0	0		1	48
49		0	0		108	0	0	8	0	88		204	49
50		245	0		283	61	0	0	28	66		683	50
51		0	0		19	0	0	19	0	0		38	51
52		6,121	16,780		986	1,196	448	517	563	856		27,467	52
53		1,651	1,271		216	0	58	56	9	3		3,264	53
54		1,891	1,014		455	190	265	0	161	370		4,346	54
55		205	0		197	0	145	0	0	0		547	55
56	0	566	2	0	301	181	161	180	30	180		1,601	56
57	28	475	0	38	397	0	2	38	11	16		1,005	57
58	1,030	10,922	18,407	20	2,088	861	1,576	978	658	2,380		38,920	58
59	0	352	1,023	+	352	130	185	199	22	145		2,408	59
60	0	379	0	6 ±	0	0	810	38	0	0		1,233	60
61	0	78	0	180 ±	0	0	304	29	0	27	0	618	61
62	673	5,635	12,570	402	1,103	1,021	664	547	394	1,212	38	24,259	62
63	52	643	0	415	249	7	449	126	43	77	+	2,061	63
TOTALS	1,783	68,936	69,711	1,061	6,754	3,648	5,545	2,824	5,824	10,914	38	177,038	TOTALS

TABLE XIX (Cont'd.)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER SPREAD AT GROUNDS
OWNED AND OPERATED BY THE DISTRICT
SEPTEMBER 1963

RECORD OF LOCAL WATER SPREAD (Con't.)
ACRE FEET

	MAIN SAN GABRIEL VALLEY									COASTAL PLAIN						
SEASON	EATON S.B.	PECK ROAD	BUENA VISTA	SANTA FE	IRWINDALE	CITRUS	BEN LOMOND	WALNUT	SAN DIMAS	(B) SAN GABRIEL RIVER	SAN GABRIEL S.G.	RIO HONDO	LAGUNA	DOMINGUEZ	TOTAL	SEASON
1930-31															10	1930-31
32															554	32
33															26	33
34															330	34
35															1,331	35
36															2,000	36
37															5,821	37
38												3,660			8,188	38
39											2,603	0			3,027	39
40											0	1,702			2,609	40
41											4,684	9,830			26,983	41
42											0	2,170			2,207	42
43											0	0			6,019	43
44											0	0			8,235	44
45											0	0			9,809	45
46											0	9,548			12,450	46
47											384	4,842			18,207	47
48											0	3,760			3,761	48
49											0	0			204	49
50											0	0			683	50
51											0	0			38	51
52											5,412	400			33,279	52
53											4,023	3,368			10,655	53
54				3,500						4,859	0	4,621			17,326	54
55			10	0						9,187	331	0			10,075	55
56	0		227	0						5,869	0	1,924			9,621	56
57	260		817	0						7,652	137	7,486			17,357	57
58	1,236		2,730	12,752						37,359	5,447	30,407		107	128,958	58
59	441		1,087	181	(A) 242		1,431			13,909	2,074	5,464		87	27,324	59
60	501	970±	1,230±	59	(A) 934		1,055			7,518	0	7,266		80±	20,846	60
61	165	478	700±	30	256	1,133	732			4,632	0	2,960		360±	12,064	61
62	902	8,876	869	11,818	1,817	2,194	2,857	292		19,930	3,010	17,120	0	2,414	96,358	62
63	532	1,895	273	121	593	1,292	2,428	367	0	5,390	56	4,464	+	1,406	20,878	63
TOTALS	4,037	12,219	7,943	28,461	3,842	4,619	8,503	659	0	116,305	28,161	120,992	+	4,454	517,233	TOTALS

(A) INCLUDES M.W.D. WATER PURCHASED UNDER CONTRACT WITH SAN GABRIEL VALLEY LABOR ASSOCIATION.

(B) HOOK LEVEES DEVELOPED IN RIVER 1954; WATER SPREAD FIGURES NOT PUBLISHED PRIOR TO 1963.

TABLE XX

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

WATER CONSERVATION DIVISION

SUMMARY OF IMPORTED AND RECLAIMED WATER CONSERVED

SEPTEMBER 1963

RECORD OF WATER SPREAD

ACRE FEET

SEASON	DISTRIBUTION OF PURCHASED WATER (ACRE-FEET)													SEASON
	IMPORTED				RECLAIMED			TOTAL*	FINANCED BY *		CONSERVED IN SPREADING FACILITIES			
	SAN GABRIEL SYSTEM		RIO HONDO SYSTEM	SUB-TOTAL	SAN GABRIEL SYSTEM	RIO HONDO SYSTEM	SUB-TOTAL		ZONE I	W.R.D.	SAN GABRIEL SPREADING GROUNDS	SAN GABRIEL RIVER FACILITIES	RIO HONDO SPREADING GROUNDS	
	MAIN BASIN	COASTAL BASIN												
1953-54	15,610	7,760	7,230	30,600				30,600	30,032		3,570	4,190	2,080	1953-54
1954-55	8,750	4,770	9,730	23,250				23,250	24,764		2,290	2,480	4,120	1954-55
1955-56	18,820	16,920	14,990	50,730				50,730	56,039		6,580	10,340	8,350	1955-56
1956-57	15,220	18,120	20,400	53,740				53,740	50,030		380	17,740	16,280	1956-57
1957-58	13,560	26,640	64,910	105,110				105,110	105,112		6,170	20,470	59,770	1957-58
1958-59	5,990	24,340	24,070	54,400				54,400	54,420		7,500	16,840	21,550	1958-59
1959-60	10,960	32,220	37,450	80,630				80,630	80,926		9,880	22,340	27,450	1959-60
1960-61	24,660	52,170	70,170	147,000				147,000	80,807	66,374	5,840	45,250	58,890	1960-61
1961-62	28,430	77,180	102,780	208,390	0	1,180	1,180	209,570	39,492	169,814	12,910	64,270	91,280	1961-62
1962-63	11,960	38,790	29,420	80,170	0	12,400	12,400	92,570	4,780	88,252	4,630	34,160	35,900	1962-63
TOTALS	153,960	298,910	381,150	834,020	0	13,580	13,580	847,600	526,402	324,440	59,750	238,080	325,670	

* DIFFERENCES BETWEEN WATER DISTRIBUTED AND WATER FINANCED DUE TO THE FOLLOWING:
1. WATER TEMPORARILY HELD IN STORAGE AT PUDDINGSTONE RESERVOIR FROM ONE WATER YEAR TO THE NEXT.
2. LOSSES IN PUDDINGSTONE RESERVOIR.
3. DISTRICT RECORDS ARE BASED ON 12 MIDNIGHT READINGS, WHEREAS AMOUNTS SHOWN UNDER FINANCING COLUMN ARE BASED ON METER READINGS TAKEN DURING NORMAL WORKING HOURS.

TABLE XXI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1963

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL* CFS	INTAKE CFS	STORAGE A.F.	PERC. CFS			
GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION, MAINTENANCE AND SOME OPERATIONS:											
SIERRA MADRE	SHALLOW BASINS	ABOUT 1933	22	9	-	25	47	18	CITY OF SIERRA MADRE, SOUTH SIDE OF GRANDVIEW AVENUE, ONE HALF MILE WEST OF SANTA ANITA AVENUE.	LITTLE SANTA ANITA CREEK AND STREET RUNOFF ONLY PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM.	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS REBUILT IN 1951. ULTIMATE CAPACITY ESTIMATED 25 CFS. THREE BASINS ADDED IN SUMMER OF 1959.
SAN GABRIEL SPREADING CORP. EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	-	-	-	-	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON, NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER, CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM AND MORRIS DAM.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION, SOME WATER ALSO DIVERTED THROUGH AZUSA AND COVINA CANALS FOR PERCOLATION IN MAIN BASIN, INCLUDING CHANNEL PERCOLATION. CITRUS AND BEN LOMOND SPREADING GROUNDS, AND IRWINDALE SPREADING BASIN. NO RECORDS KEPT BEFORE 1919-20.
WEST SIDE (INCLUDING FISH CREEK SPREADING GROUNDS)	SHALLOW BASINS	ABOUT 1917	6±	4	-	-	-	7	WESTERLY SIDE OF SAN GABRIEL RIVER BELOW MOUTH OF FISH CANYON AND NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER, CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM, AND MORRIS DAM, VIA DUARTE DITCH.	DISTRICT DELIVERS WATER, DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL RIVER IN VICINITY OF SPREADING GROUNDS AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE, NO SEPARATE RECORDS KEPT PRIOR TO 1926-27.
THOMPSON CREEK	DITCHES CHECKS AND DEEP BASIN	ABOUT 1928	56	40	-	70	-	40	SOUTHERLY FROM, AND ADJACENT TO THOMPSON CREEK DAM, EAST SIDE OF CREEK.	COBAL, WILLIAMS, PALMER AND PADUA CREEKS, ALSO THOMPSON CREEK, WHEN RESERVOIR ABOVE ELEV. 1625.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION IN ADDITION TO THE 56.4 ACRES SOME AREA WITHIN THOMPSON CREEK RESERVOIR IS USED TO SPREAD STORM FLOWS. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES CHECKS AND SHALLOW BASINS	1921-22	598	300	8,000	300	-	300	BOTH SIDES OF SAN ANTONIO CREEK, FROM TWO AND ONE HALF MILES ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	CONTROLLED RELEASES FROM THE RECENTLY COMPLETED SAN ANTONIO FLOOD CONTROL DAM.	HELD UNDER EASEMENT BY THE DISTRICT, OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION, WEST SIDE OF CHANNEL 500 ACRES, EAST SIDE OF CHANNEL 98 ACRES. IN ADDITION THERE ARE 207 ACRES EAST OF CHANNEL IN SAN BERNARDINO COUNTY, WATER SPREAD IN VICINITY ON AND OFF AS EARLY AS ABOUT 1896.
TOTALS			1182	-	-	-	-	465			
GROUNDS CONTROLLED BY OTHERS, THE DISTRICT COOPERATING:											
CITY OF POMONA	DITCHES CHECKS AND DEEP BASINS	(SEE REMARKS)	10	8	-	-	-	-	NORTH OF CLAREMONT, ONE HALF MILE NORTH OF FOOTHILL BOULEVARD AND 1/8 MILE WEST OF MILLS AVENUE.	SAN ANTONIO CREEK WATER DELIVERED THROUGH LOOMERSERVE CANYON WATER CO'S. PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1897. GROUND ACQUIRED BY CITY OF POMONA, OCTOBER 1926. NO RECORD OF WATER SPREAD PRIOR TO 1949-50. DEEP BASIN COMPLETED IN 1957.
LOS ANGELES WATER DEPARTMENT TUJUNGA WASH	SHALLOW BASINS	1931-32	180	65	-	-	-	-	SAN FERNANDO VALLEY, EAST SIDE OF TUJUNGA WASH AT ROSCOE BOULEVARD.	LOS ANGELES CITY'S OWENS VALLEY AQUEDUCT.	PRIOR TO 1938 FLOOD, USED 80 ACRES NET, TUJUNGA CHANNEL ON WESTERLY SIDE OF GROUNDS PAVED IN 1950. DIVERSION OF TUJUNGA FLOWS TO GROUNDS PROPOSED. AT PRESENT A LAND EXCHANGE IS IN PROGRESS WITH HIGHWAY DEPARTMENT.
LOS ANGELES RIVER	SHALLOW	1938-39	33	28	57,000	-	-	-	SAN FERNANDO VALLEY, SOUTH OF LOS ANGELES RIVER, ABOVE MARIPOSA STREET.	LOS ANGELES RIVER, PARTIALLY CONTROLLED BY VARIOUS DAMS. RELEASE OF OWENS VALLEY WATER FROM CHATSWORTH RESERVOIR. GROUND WATER FROM WELLS IN THE WEST END OF SAN FERNANDO VALLEY.	CRYSTAL SPRINGS INFILTRATION AREA, NOT REGULAR SPREADING GROUNDS, WATER PUMPED OUT FROM COLLECTING GALLERIES UNDER AREA. IN OCTOBER 1958 A 130-FOOT COLLAPSIBLE RUBBER DAM WAS INSTALLED ACROSS LOS ANGELES RIVER.
TOTALS			223	-	-	-	-	-			

*DESIGN CAPACITY OF MAIN CONCRETE CHANNEL WHEN PERTINENT TO SPREADING GROUNDS OPERATION

TABLE XXII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF WATER SPREAD IN GROUNDS
NOT OWNED BY THE DISTRICT
SEPTEMBER 1963

RECORD OF WATER SPREAD
ACRE FEET

SEASON	GROUNDS IN WHICH DISTRICT DOES CONSTRUCTION MAINTENANCE AND SOME OPERATIONS						GROUNDS CONTROLLED BY OTHERS THE DISTRICT COOPERATING			TOTAL	SEASON
	CITY SIERRA MADRE		S.G. SPRDG. CORP.		THOMPSON CREEK (B)	SAN ANTONIO (B)	CITY OF POMONA	L.A. WATER DEPT.			
	SANTA ANITA WATER	LOCAL WATER	CANYON BASIN	MAIN BASIN				TUJUNGA WASH	L.A. RIVER		
1919-20			7,974							7,974	1919-20
21			10,082							10,082	21
22			6,132			(C)				6,132	22
23			12,408			(C)				12,408	23
24			5,069			(C)				5,069	24
25			2,878			(C)				2,878	25
26			8,443			(C)				8,443	26
27			18,560	2,707		8,090	(C)			29,357	27
28			17,537	3,270	(C)	(C)	(C)			20,807	28
29			15,615	3,501	(C)	(C)	(C)			19,116	29
30			16,607	5,898	(C)	(C)	(C)			22,505	30
31			8,360	5,827	(C)	201	(C)			14,388	31
32			25,328	12,106	(C)	7,801	(C)	20,338		65,573	32
33			13,386	6,620	(C)	111	(C)	26,873		46,990	33
34		(C)	12,401	4,506	(C)	630	(C)	20,795		38,332	34
35		(C)	34,315	17,692	(C)	6,834	(C)	24,775		83,616	35
36		(C)	17,997	6,975	(C)	1,652	(C)	19,310		45,934	36
37		(C)	33,814	20,297	(C)	22,552	(C)	8,736		85,399	37
38		(C)	31,627	13,134	(C)	15,000	(C)	5,732		65,493	38
39		(C)	17,815	6,194	(C)	1,433	(C)	12,258	(D)	37,700	39
40		(C)	19,304	8,544	0	2,670	(C)	3,024	(D)	33,542	40
41		(C)	45,618	13,298	563	28,093	(C)	3,446	(D)	91,018	41
42		(C)	21,392	8,241	0	83	(C)	11,290	(D)	41,006	42
43		(C)	24,502	7,702	505	26,000	(C)	12,134	(D)	70,843	43
44		(C)	31,130	9,820	37	10,270	(C)	3,192	(D)	54,449	44
45		(C)	34,681	14,467	18	4,957	(C)	0	17,518	71,641	45
46		(C)	23,351	12,745	5	3,271	(C)	0	21,141	60,513	46
47		(C)	23,716	8,936	0	5,801	(C)	1,686	18,738	58,877	47
48		(C)	4,796	2,218	0	6	(C)	0	19,016	26,036	48
49		(C)	2,874	1,343	0	0	(C)	0	6,451	10,668	49
50		(C)	9,125	2,590	0	55	450±	762	7,691	20,673	50
51		(C)	1,378	622	0	3	0	2,355	4,917	9,275	51
52	1,547	384	27,847	8,361	163	10,467	952	7,269	1,524	58,514	52
53	257	5	15,765	5,705	0	1,011	357	0	7,424	30,524	53
54	470	113	18,021	4,960	0	3,150	916	0	6,648	34,278	54
55	288	50	20,328	6,096	0	0	838	0	10,867	38,467	55
56	349	80	19,135	8,406	0	927	660	0	6,553	36,110	56
57	295	36	16,225	6,199	0	0	1,341	0	4,784	28,880	57
58	3,897	313	47,419	7,616	164	12,881	3,026	0	6,278	81,594	58
59	343	14	24,558	6,176(A)	0	0	2,820	0	9,045	42,956	59
60	43	2	6,111	(E)	0	0	963	0	8,040	15,159	60
61	41	2	2,534		0	0	12	0	6,121	8,710	61
62	1,470	217	34,008	(E)	27	2,525	234	699	10,642	49,822	62
63	898	21	16,966	(E)	0	0	73	0	10,279	28,237	63
TOTALS	9,898	1,237	807,132	252,772	1,482	176,474	12,642	184,674	183,677	1,629,988	TOTALS

(A) BEGINNING IN 1958-59 THIS EXCLUDES CANYON WATER SPREAD AT BEN LOMOND.
(B) OPERATED BY POMONA VALLEY PROTECTIVE ASSOCIATION.
(C) WATER SPREAD, NO RECORDS KEPT.
(D) DAILY MEASUREMENTS MADE, TOTAL VOLUME NOT COMPUTED.
(E) EAST SIDE WATER COMMITTEE DISCONTINUED KEEPING RECORDS AS OF 1959-60 SEASON.

LEGEND

- KEY WELLS
- KEY WELLS WITH AUTOMATIC RECORDERS
- KEY WELLS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
- KEY WELLS WITH AUTOMATIC RECORDERS FOR WHICH HYDROGRAPHS ARE INCLUDED IN THIS REPORT
- SPECIAL WELLS WITH AUTOMATIC RECORDERS
- GROUND WATER BARRIERS
- SPREADING GROUNDS
- CHANNEL PERCOLATING AREAS
- LINED CHANNEL
- APPROXIMATE LINE MARKING TRANSITION FROM FREE TO PRESSURE GROUND WATER LEVELS

GROUND WATER BASINS

1 MONK HILL
2 RAYMOND
3 MAIN SAN GABRIEL
4 UPPER SAN GABRIEL CANYON
5 LOWER SAN GABRIEL CANYON
6 ALEXANDRIA
7 WAT HILL
8 SAN DIMAS
9 FOOTHILL
10 LIVE OAK
11 LOWER CLAREMONT HEIGHTS
12 UPPER CLAREMONT HEIGHTS
13 SAN ANTONIO CANYON
14 POMONA
15 SPADRA
16 PUENTE
17 SPADRA
18 YERSONO
19 TUJUNGA
20 SAN FERNANDO
21 SYLMAR
22 PACOIMA
23 WEST COASTAL
24 CENTRAL COASTAL
24A MONTEBELLO FOREBAY
25 HOLLYWOOD
25A LOS ANGELES FOREBAY
26 SANTA CLARA
27 VALYERMO
28 PALLETT CREEK
29 AMARGOSA
30 ROCK CREEK
31 BUTTES
32 LANCASTER
33 NEENACH
34 LA HABRA
35 GLENDALE

SPREADING GROUNDS DISTRICT OWNED & OPERATED

- LOPEZ
- PACOIMA
- HANSEN
- BRANFORD SPREADING BASIN
- ARROYO SECO
- EATON WASH
- SANTA ANITA
- SAWPIT WASH
- BIG DALTON CANYON
- LITTLE DALTON
- LIVE OAK
- EATON SPREADING BASIN
- PECK ROAD SPREADING BASIN
- DUCHA VISTA SPREADING BASIN
- SANTA FE RESERVOIR
- IRWINDALE SPREADING BASIN
- CITRUS
- BEN LOMOND
- WALNUT WASH
- SAN DIMAS SPREADING DEVELOPMENT
- SAN GABRIEL COASTAL BASIN
- SAN GABRIEL RIVER SPREADING FACILITY
- RIO HONDO COASTAL BASIN SPREADING GROUNDS
- LAGUNA SPREADING BASIN
- DOMINGUEZ GAP
- WEST COAST BASIN BARRIER PROJECT (RECHARGE WELLS)

PERCOLATING AREAS STREAM BEDS

- PACOIMA WASH (WOODMAN AVE TO PARTHENIA ST.)
- SAN GABRIEL (SANTA FE DAM TO WHITTIER NARROWS DAM)

SPREADING GROUNDS NON-DISTRICT

- SIERRA MADRE
- SAN GABRIEL RIVER WATER COMMITTEE
- WEST SIDE CANYON BASIN
- EAST SIDE CANYON BASIN
- THOMPSON CREEK
- SAN ANTONIO
- L.A. CITY TUJUNGA
- L.A. CITY CRYSTAL SPRING INFILTRATION AREA
- CITY OF POMONA

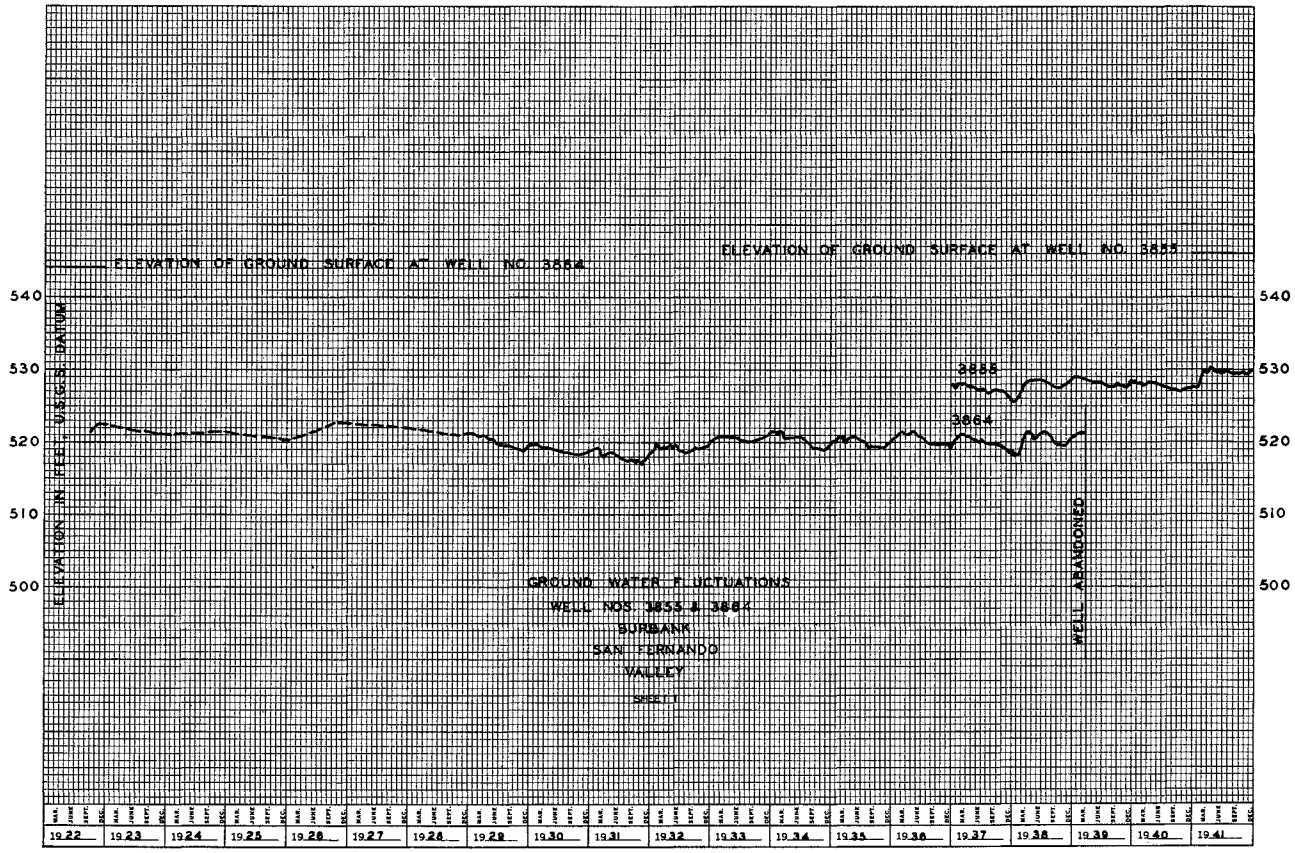
PERCOLATING AREAS RESERVOIRS

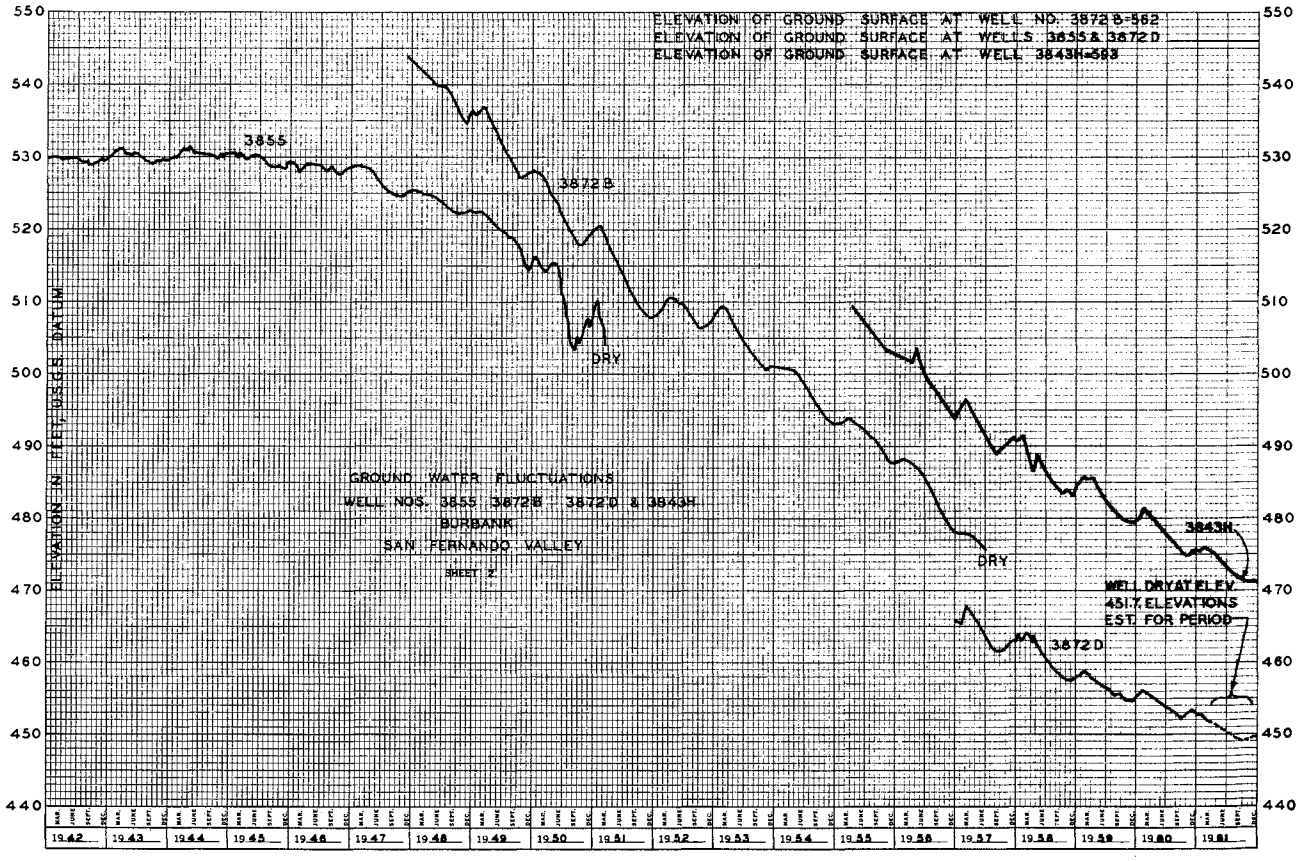
- LOPEZ DEBRIS DAM
- HANSEN
- DEVILS GATE
- EATON
- SANTA ANITA DEBRIS DAM
- SAWPIT DEBRIS DAM
- LITTLE DALTON DEBRIS DAM
- BIG DALTON DEBRIS DAM
- PUDDINGSTONE DIVERSION DAM
- SANTA FE
- THOMPSON CREEK
- SAN ANTONIO
- WHITTIER NARROWS

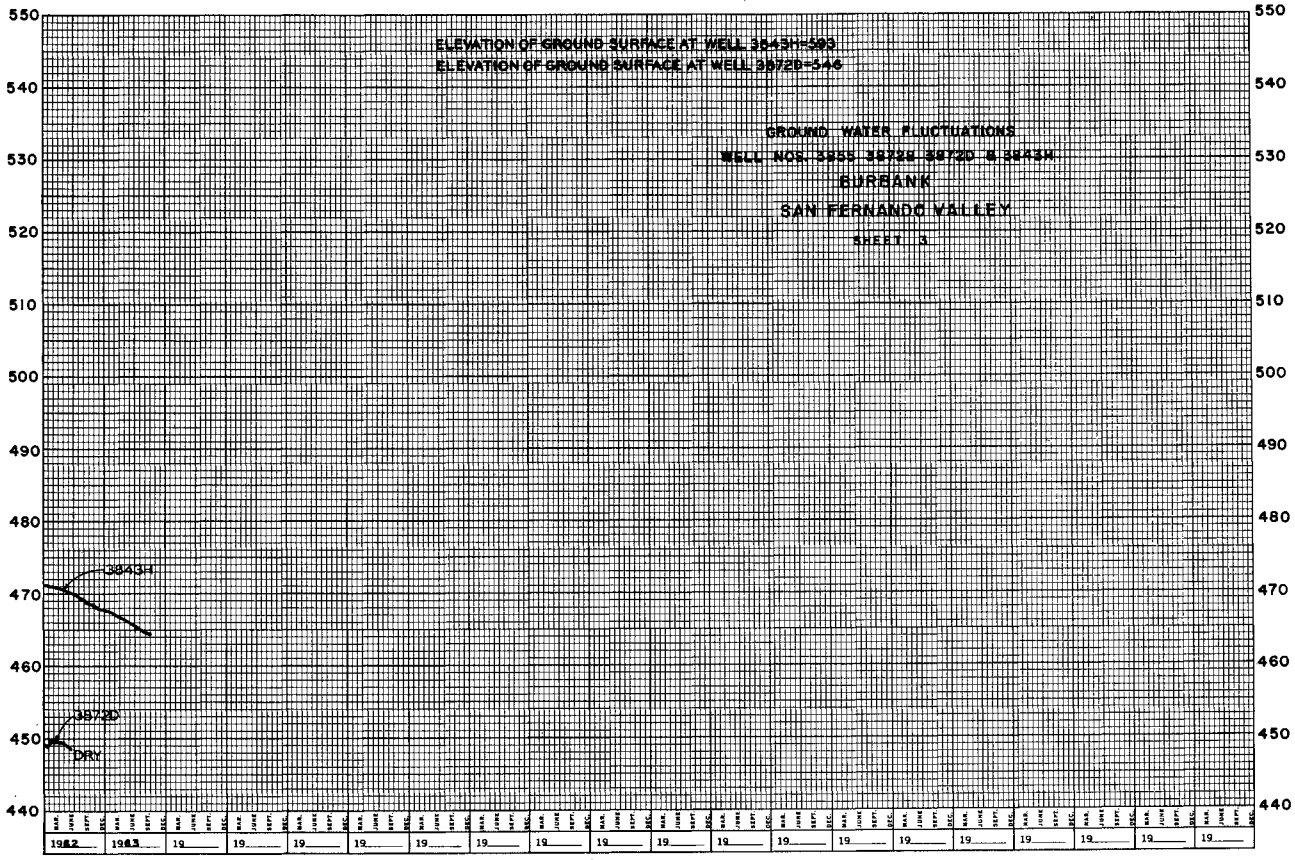
REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS
	DEC. 1963	WELLS AND GROUND WATER BARRIER NORTH OF SAN FERNANDO	

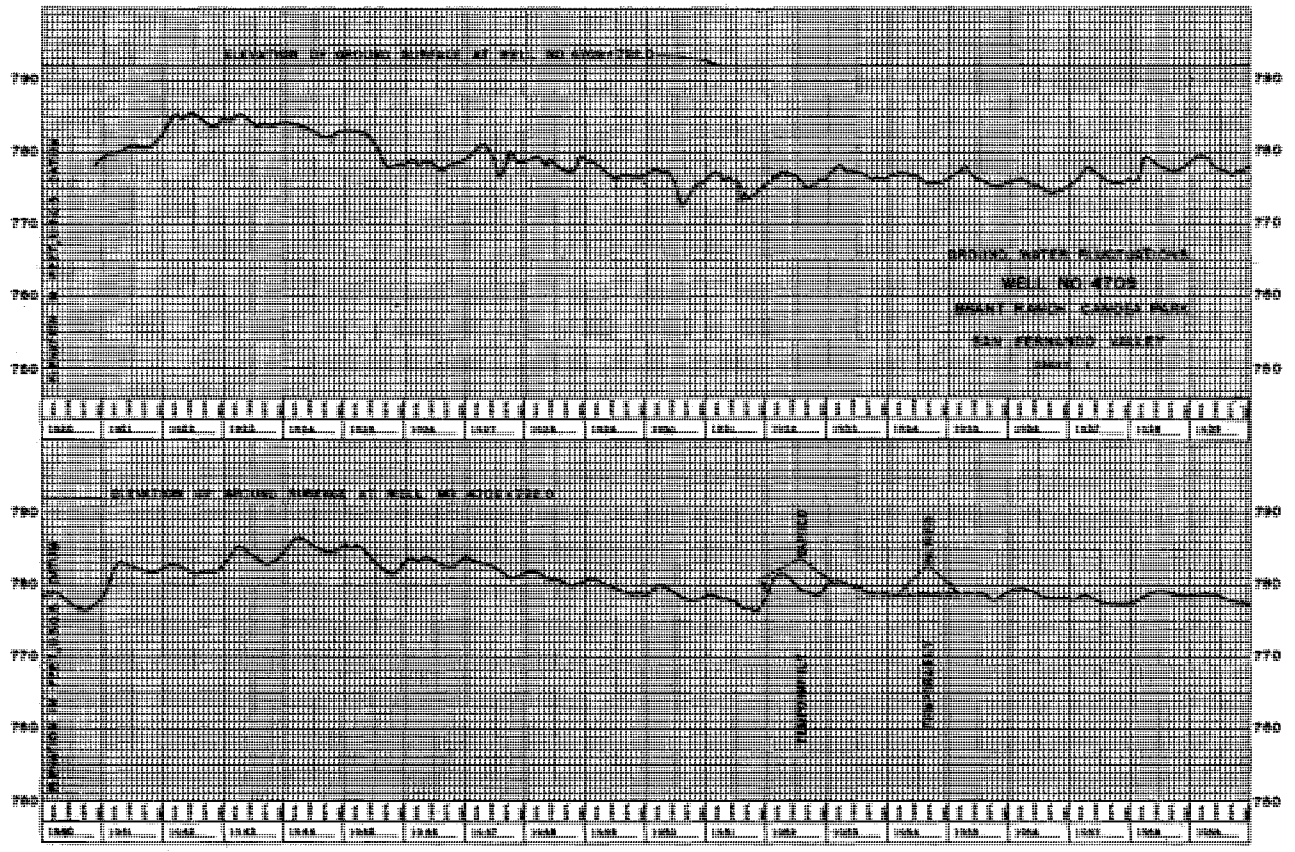
COMPILED: E.I.S. & R.A. DRAWN: M.K.I. — APPROVED: [signature] CHIEF ENGINEER
PRESENTED: C. W. P. — CHECKED: C.C.S.
SUBMITTED: [signature] DIV. ENGR.-WATER CONS. — RECOMMENDED: [signature] ASST. CHIEF ENGR.
SCALE: AS SHOWN — DATE: MAY, 1960 — NO. 2-H145 — SHEET 1 OF 1

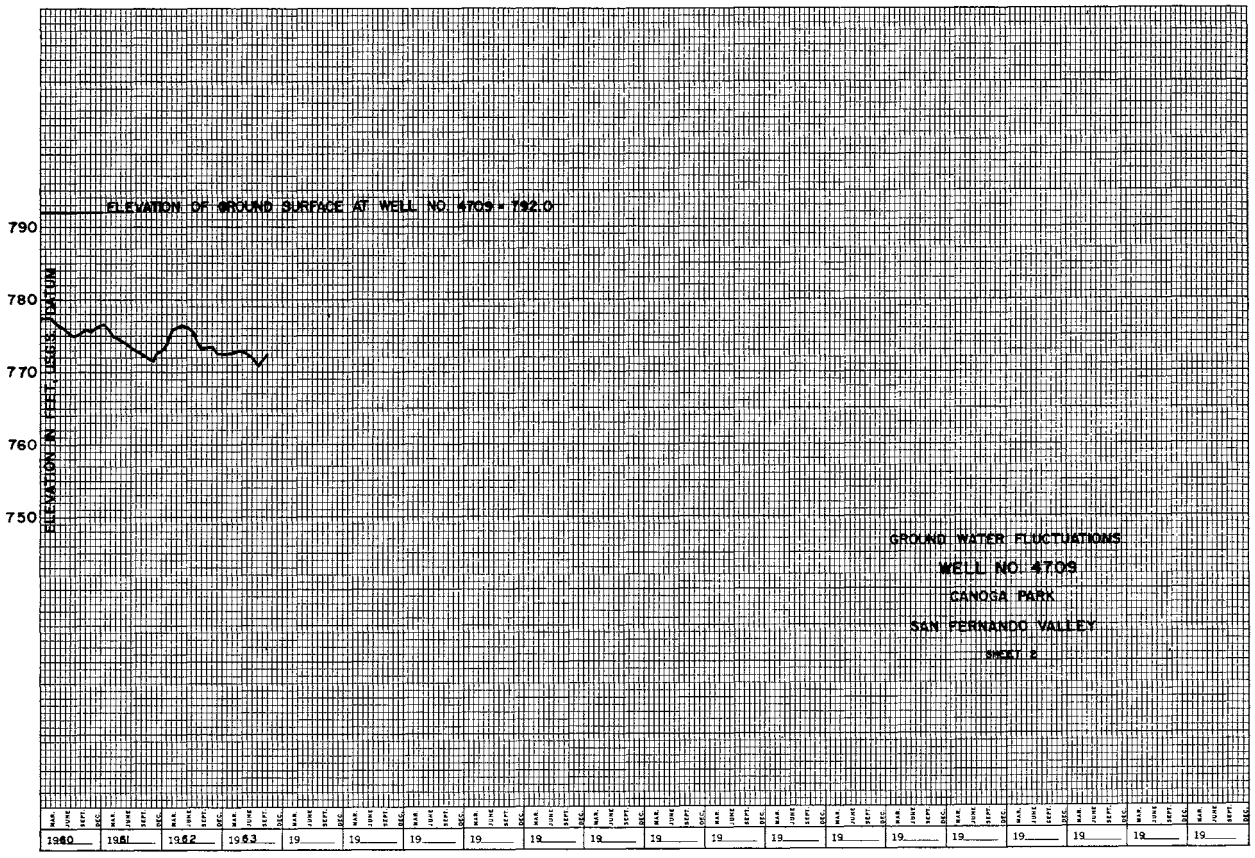
MAP VI

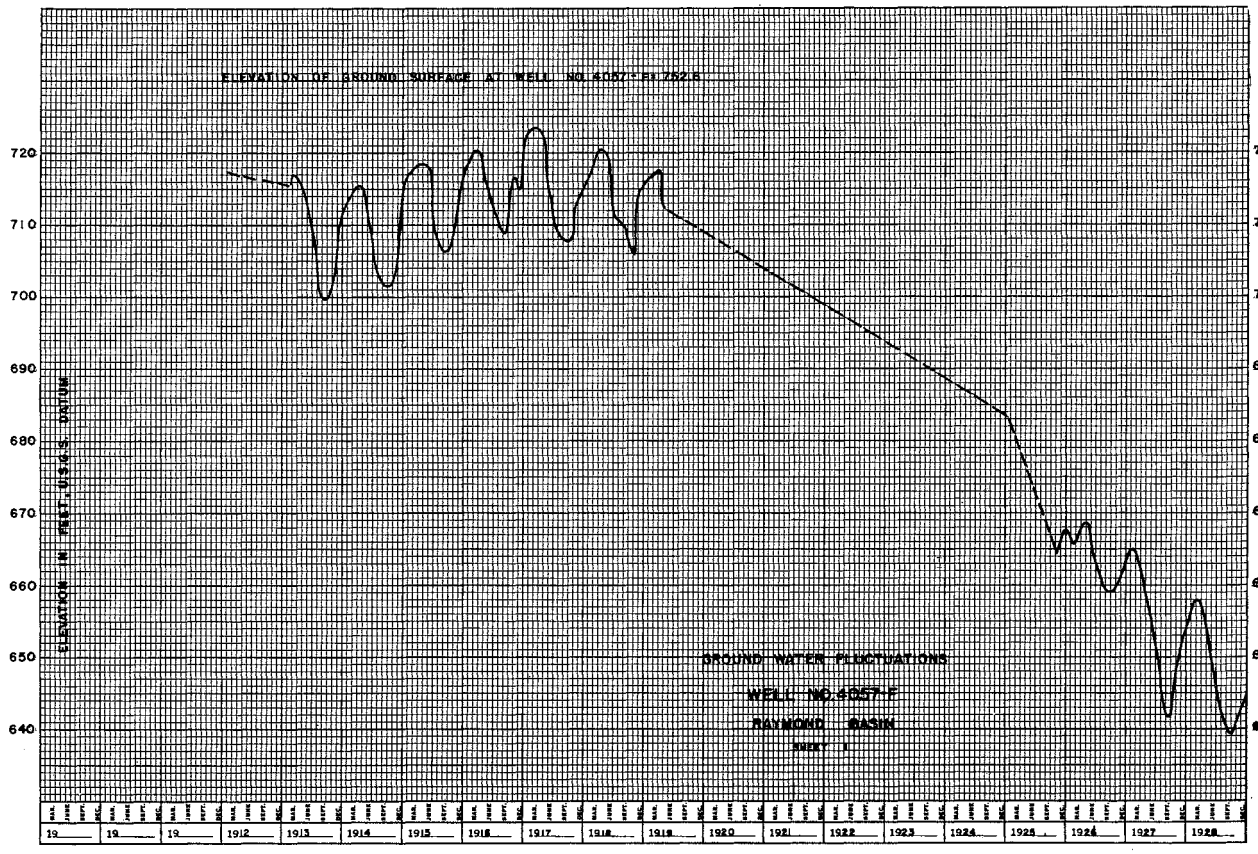

ELEVATION OF GROUND SURFACE AT WELL NO. 3864
ELEVATION OF GROUND SURFACE AT WELL NO. 3855
ELEVATION IN FEET, U.S.G.S. DATUM
3855
3864
WELL ABANDONED
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 & 3864
BURBANK
SAN FERNANDO
VALLEY
SHEET 1

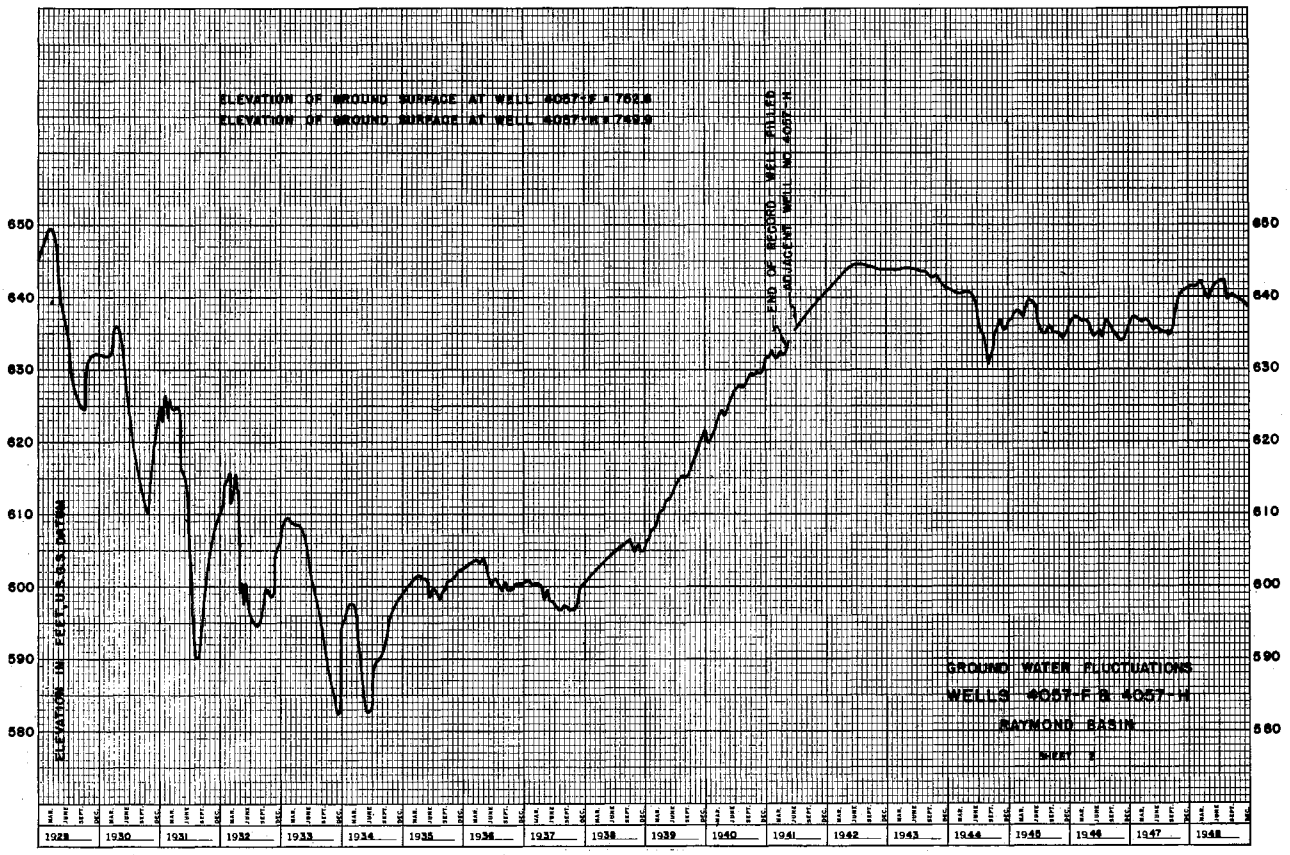

ELEVATION OF GROUND SURFACE AT WELL NO. 3872 B-562
ELEVATION OF GROUND SURFACE AT WELLS 3855 & 3872 D
ELEVATION OF GROUND SURFACE AT WELL 3843H-583
ELEVATION IN FEET, U.S.G.S. DATUM
3855
3872 B
DRY
DRY
3843H
WELL DRY AT ELEV. 451.7. ELEVATIONS EST. FOR PERIOD
3872 D
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 3872B 3872D & 3843H
BURBANK
SAN FERNANDO VALLEY
SHEET 2

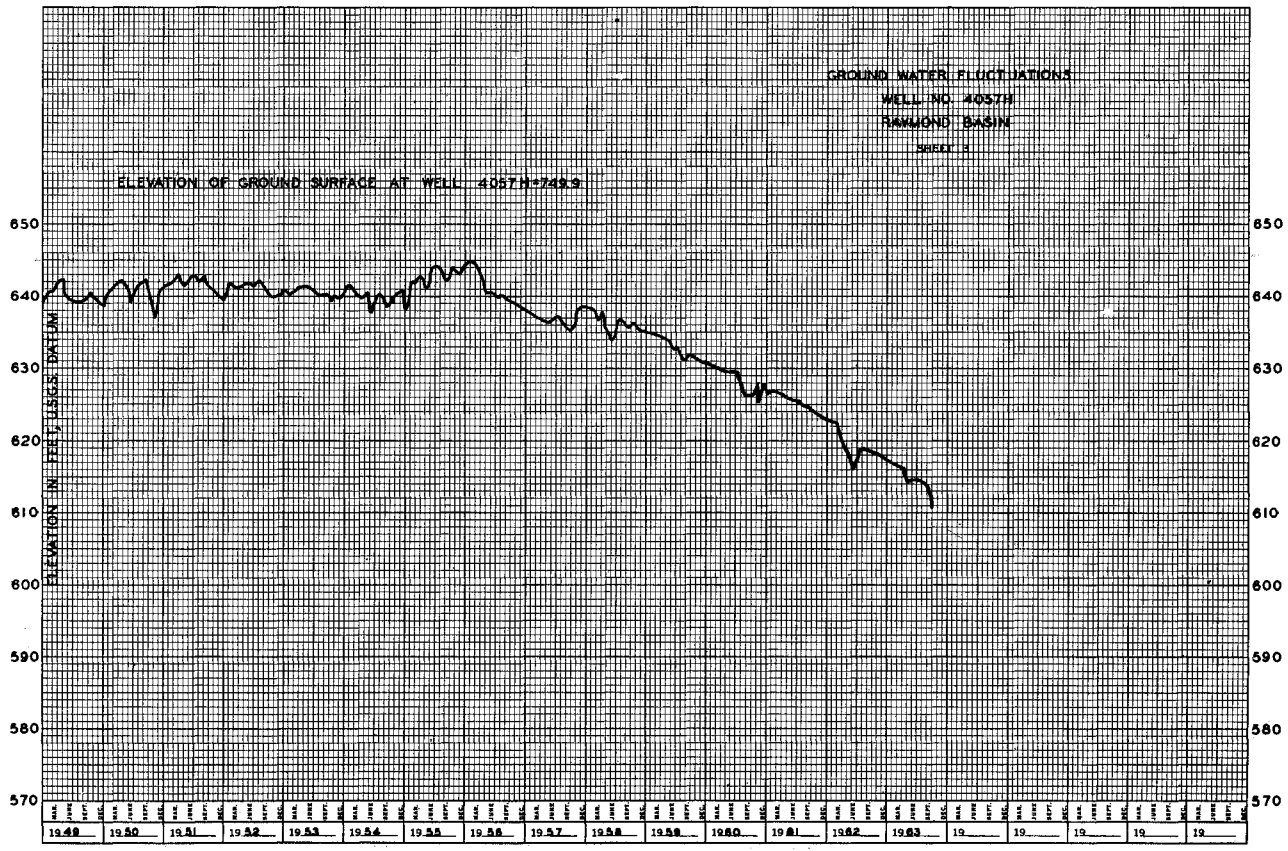

ELEVATION OF GROUND SURFACE AT WELL 3843H=593
ELEVATION OF GROUND SURFACE AT WELL 3972D=546
GROUND WATER FLUCTUATIONS
WELL NOS. 3855 3872S 3972D & 3843H
BURBANK
SAN FERNANDO VALLEY
SHEET 3
3843H
3872D
DRY
550
540
530
520
510
500
490
480
470
460
450
440
1962
1963

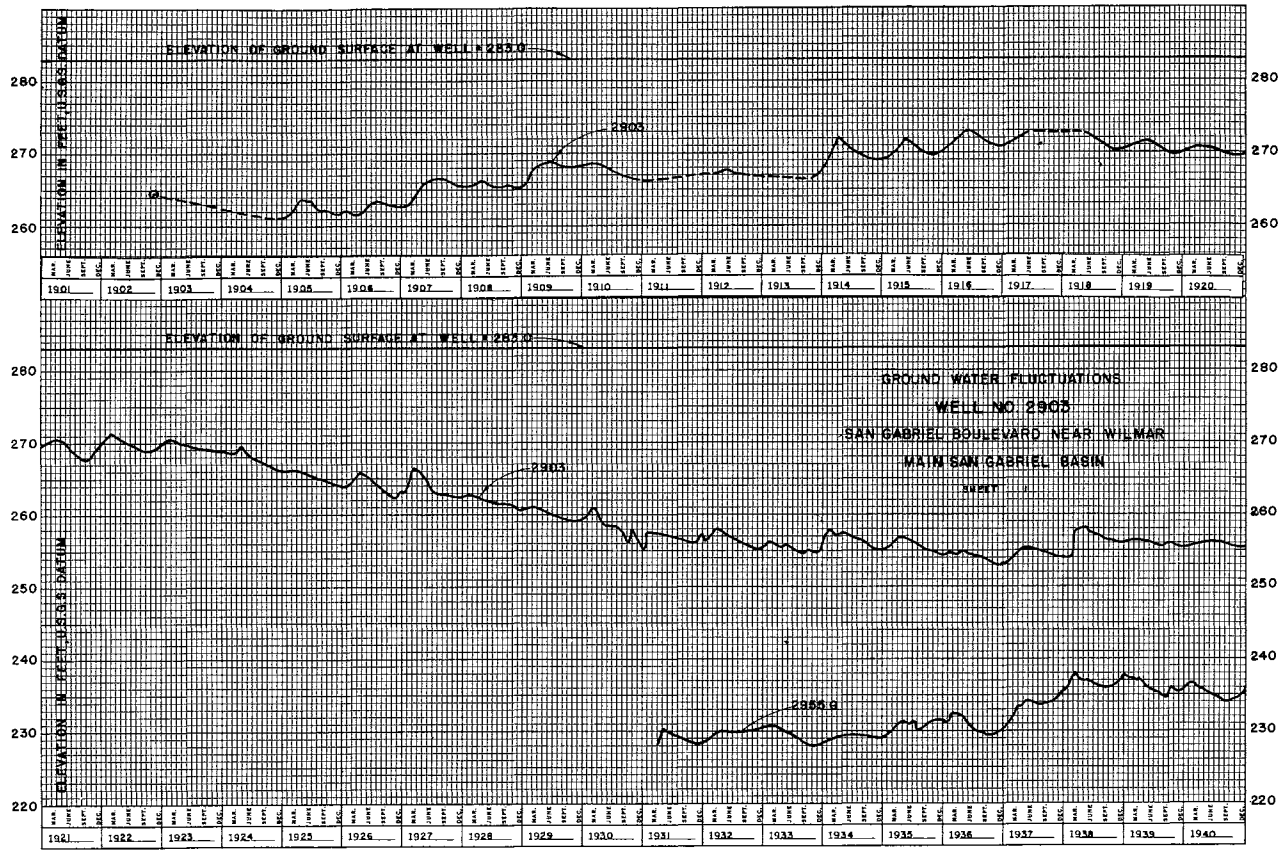

GROUND WATER FLUCTUATIONS
WELL NO. 4705
MOUNT RAINIER CANOGA PARK
SAN FERNANDO VALLEY
SHEET 1
780
770
760
750
740
730
720
710
700

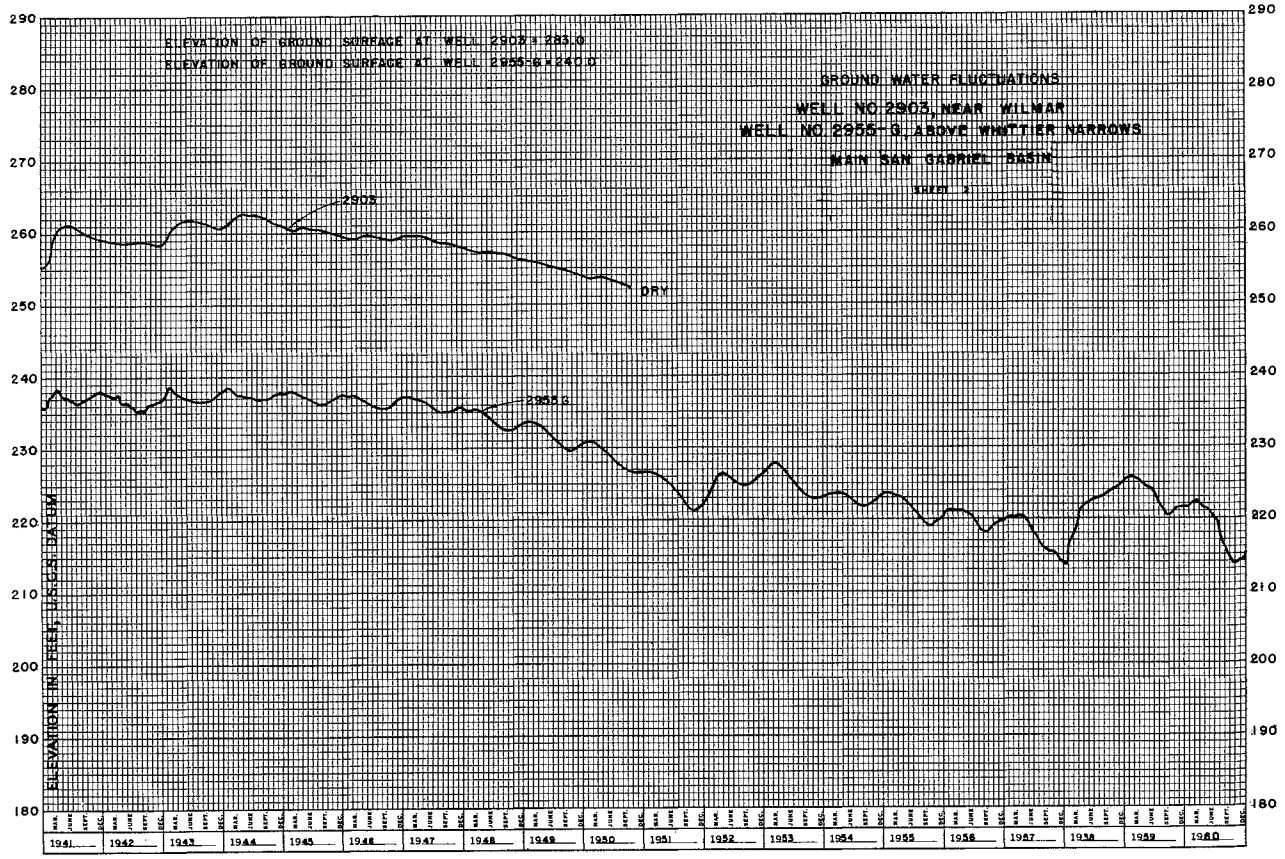

ELEVATION OF GROUND SURFACE AT WELL NO. 4709 = 792.0
790
780
770
760
750
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4709
CANOGA PARK
SAN FERNANDO VALLEY
SHEET 2
1960
1961
1962
1963

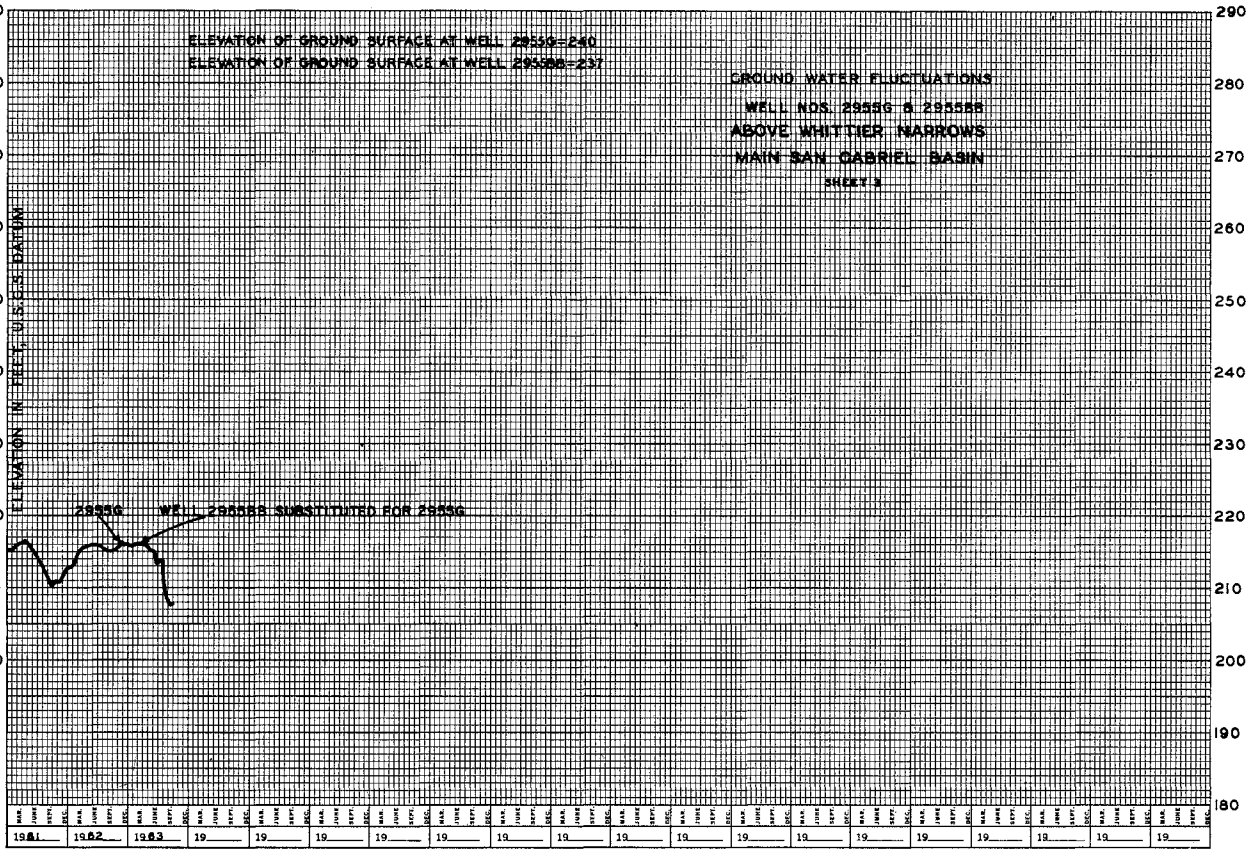

ELEVATION OF GROUND SURFACE AT WELL NO. 4057-F = 752.8
720
710
700
690
680
670
660
650
640
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4057-F
RAYMOND BASIN
SHEET 1
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928

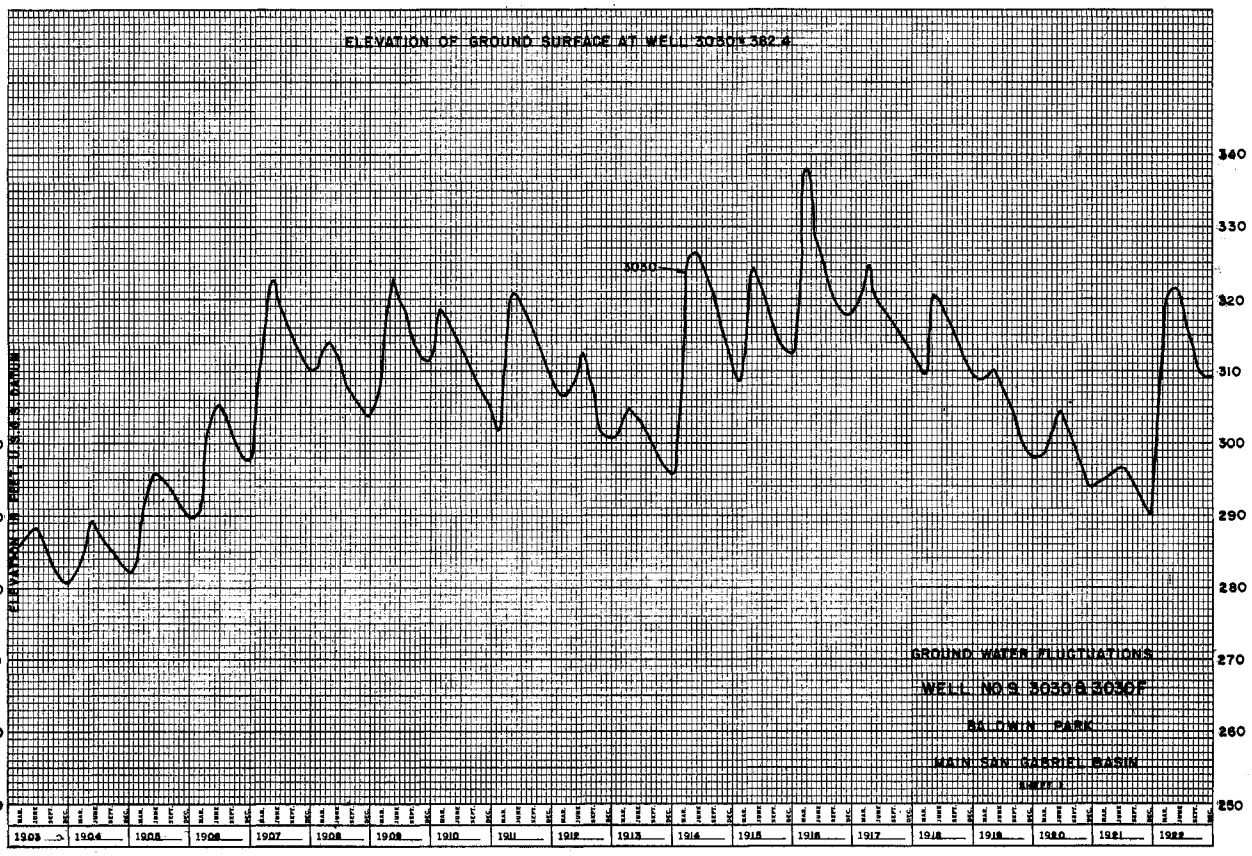

ELEVATION OF GROUND SURFACE AT WELL 4057-F = 752.8
ELEVATION OF GROUND SURFACE AT WELL 4057-H = 749.9
END OF RECORD, WELL FILLED ADJACENT WELL NO 4057-H
ELEVATION IN FEET, U.S.G.S. DATUM
650
640
630
620
610
600
590
580
GROUND WATER FLUCTUATIONS
WELLS 4057-F & 4057-H
RAYMOND BASIN
SHEET 1
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

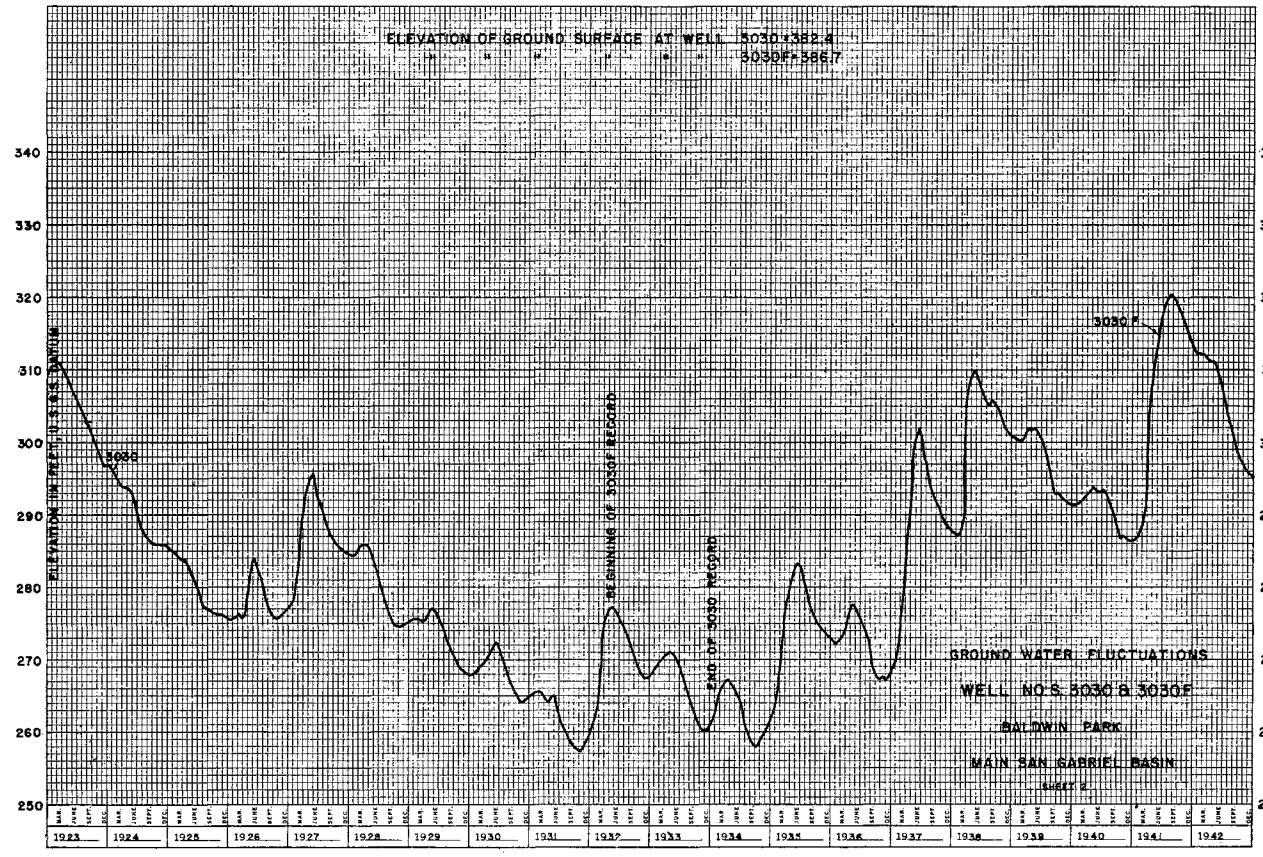

GROUND WATER FLUCTUATIONS
WELL NO. 4057H
RAYMOND BASIN
SHEET 2
ELEVATION OF GROUND SURFACE AT WELL 4057H=749.9
ELEVATION IN FEET, U.S.G.S. DATUM
650
640
630
620
610
600
590
580
570
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
19
19
19
19
19

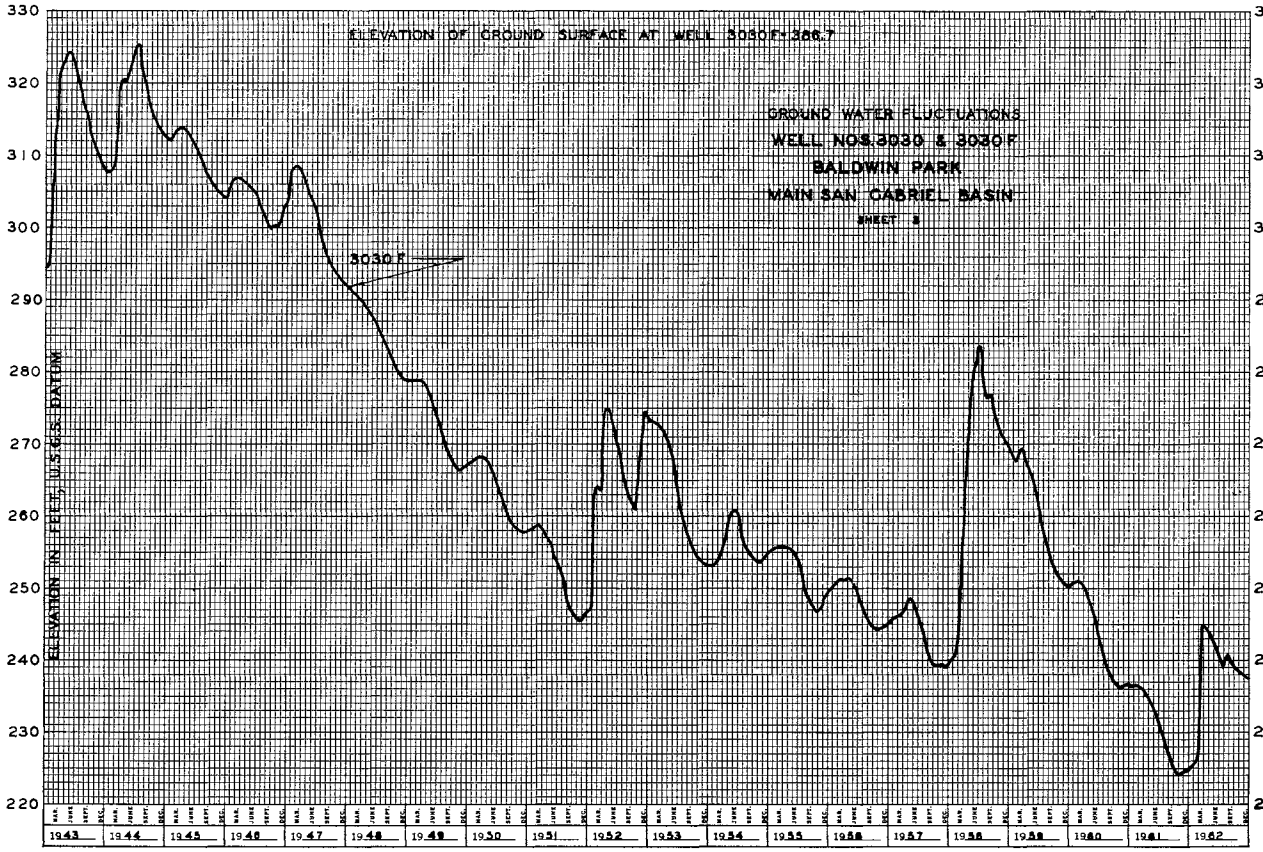

ELEVATION OF GROUND SURFACE AT WELL = 283.0
2905
ELEVATION IN FEET, U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL NO 2903
SAN GABRIEL BOULEVARD NEAR WILMAR
MAIN SAN GABRIEL BASIN
SHEET 1
2903
2955-G
1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920
1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940

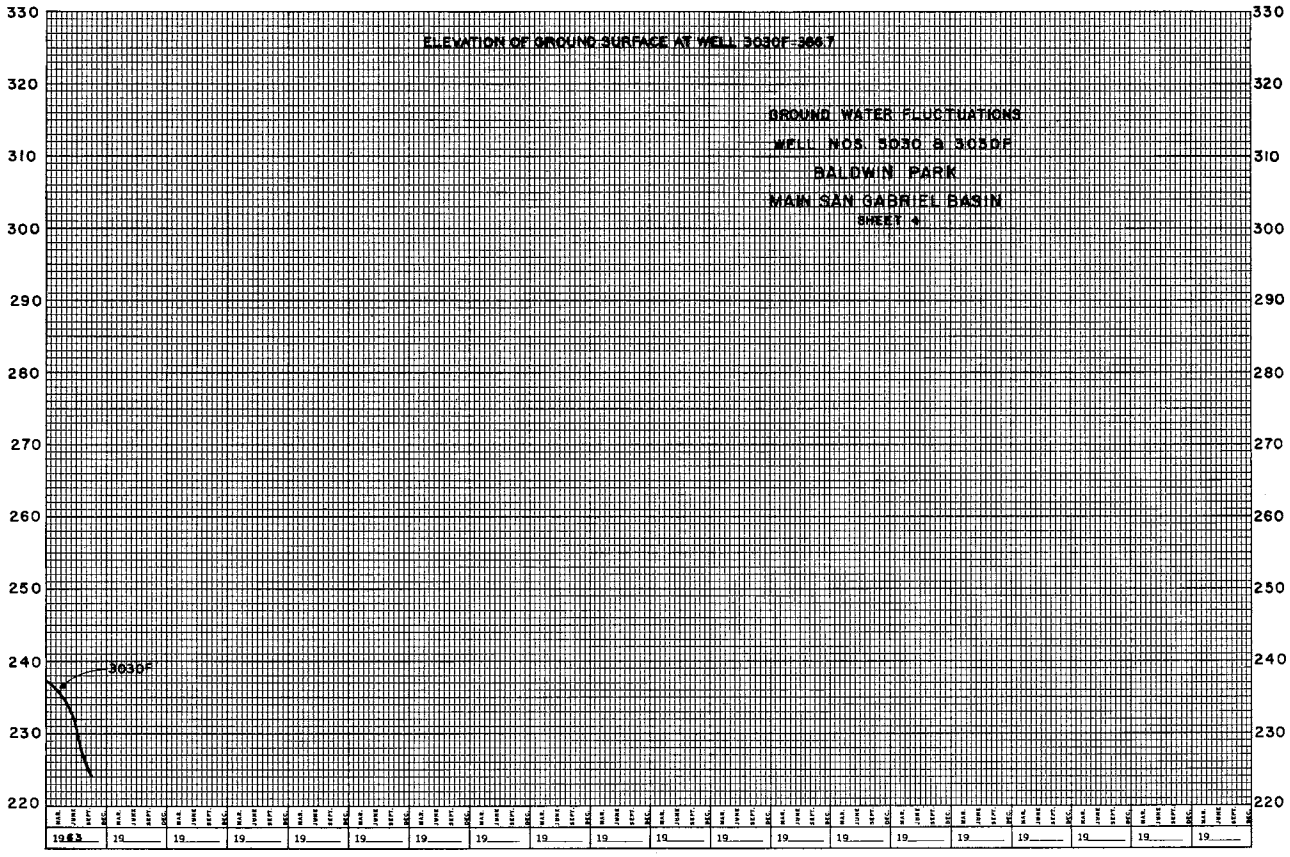

ELEVATION OF GROUND SURFACE AT WELL 2903 = 283.0
ELEVATION OF GROUND SURFACE AT WELL 2955-G = 240.0
GROUND WATER FLUCTUATIONS
WELL NO 2903, NEAR WILMAR
WELL NO 2955-G, ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET 2
2903
DRY
2955-G
ELEVATION IN FEET, U.S.G.S. DATUM
1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960

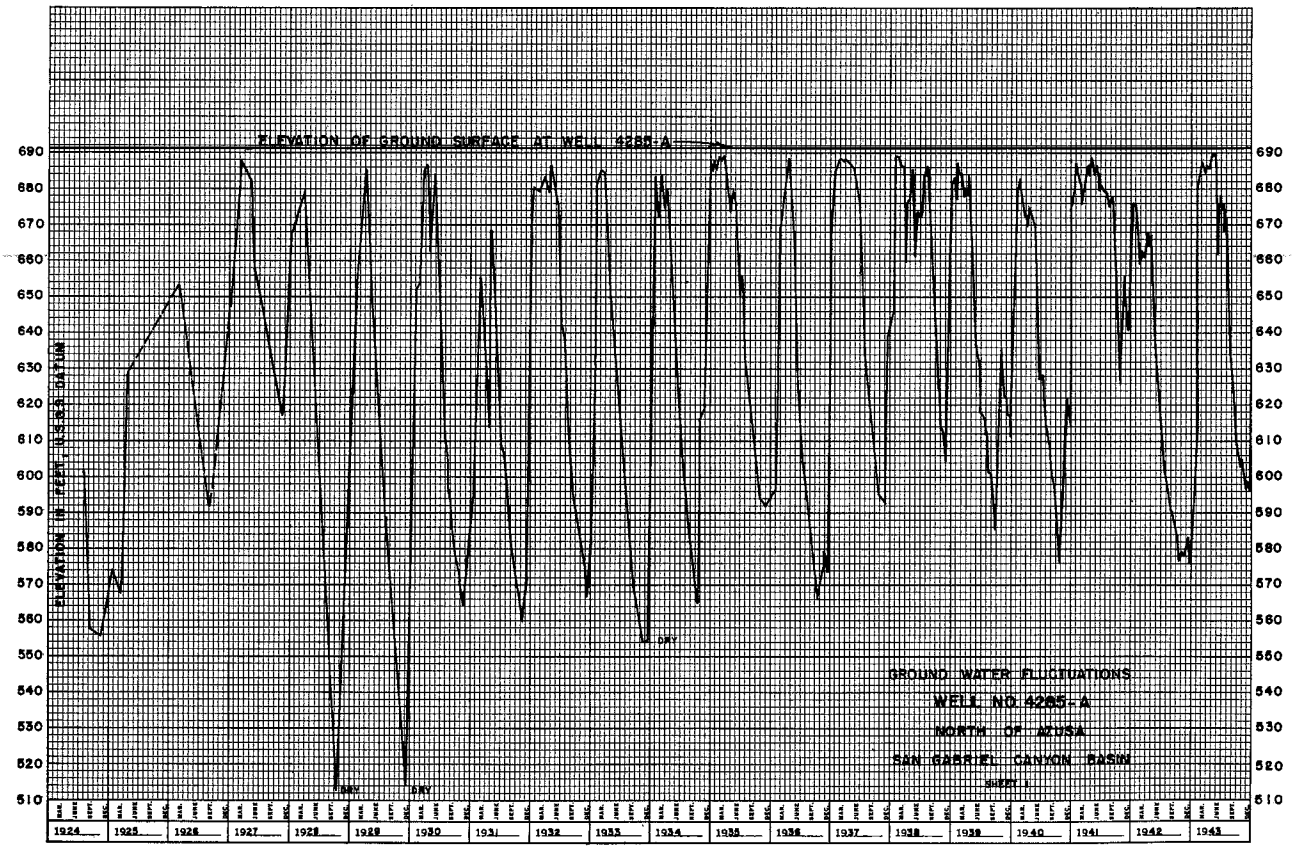

ELEVATION OF GROUND SURFACE AT WELL 2955G=240
ELEVATION OF GROUND SURFACE AT WELL 2955RR=237
GROUND WATER FLUCTUATIONS
WELL NOS. 2955G & 2955RR
ABOVE WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
SHEET 2
ELEVATION IN FEET, U.S.C.&G. DATUM
2955G
WELL 2955RR SUBSTITUTED FOR 2955G
290
280
270
260
250
240
230
220
210
200
190
180
1961
1962
1963

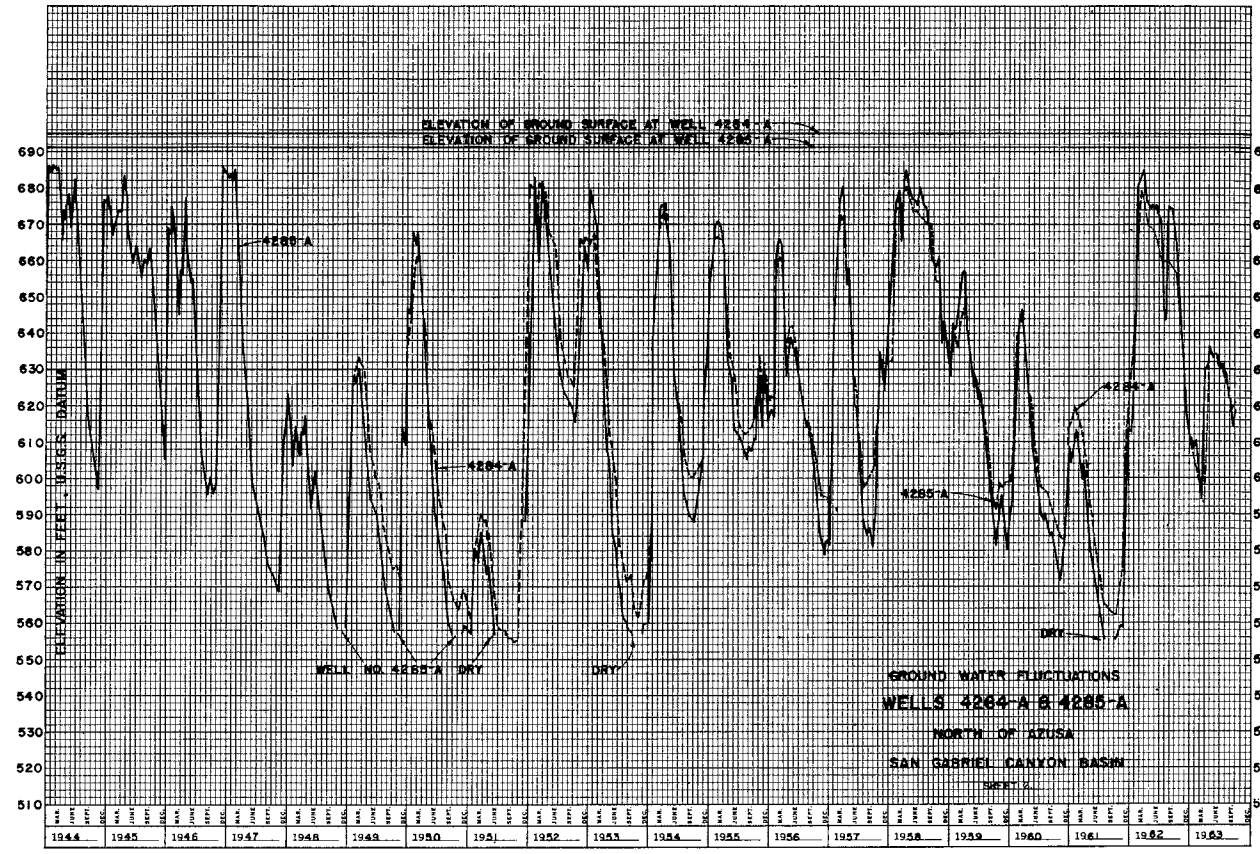

ELEVATION OF GROUND SURFACE AT WELL 3030N 382.6
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 1
ELEVATION IN FEET, U.S.C.&G. DATUM
3030
340
330
320
310
300
290
280
270
260
250
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922

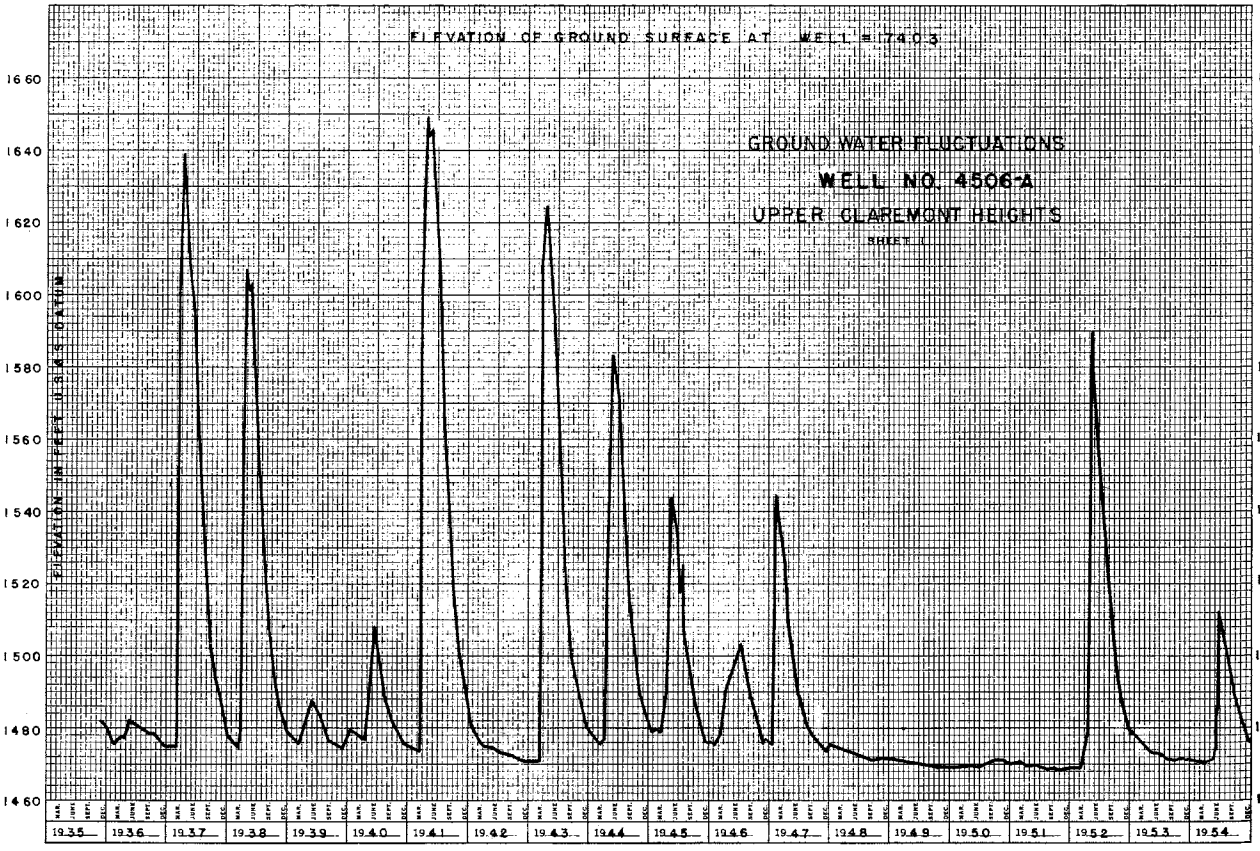

ELEVATION OF GROUND SURFACE AT WELL 3030 = 382.4
" " " " " " 3030F = 386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030
3030F
BEGINNING OF 3030F RECORD
END OF 3030 RECORD
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 2
340
330
320
310
300
290
280
270
260
250
1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942

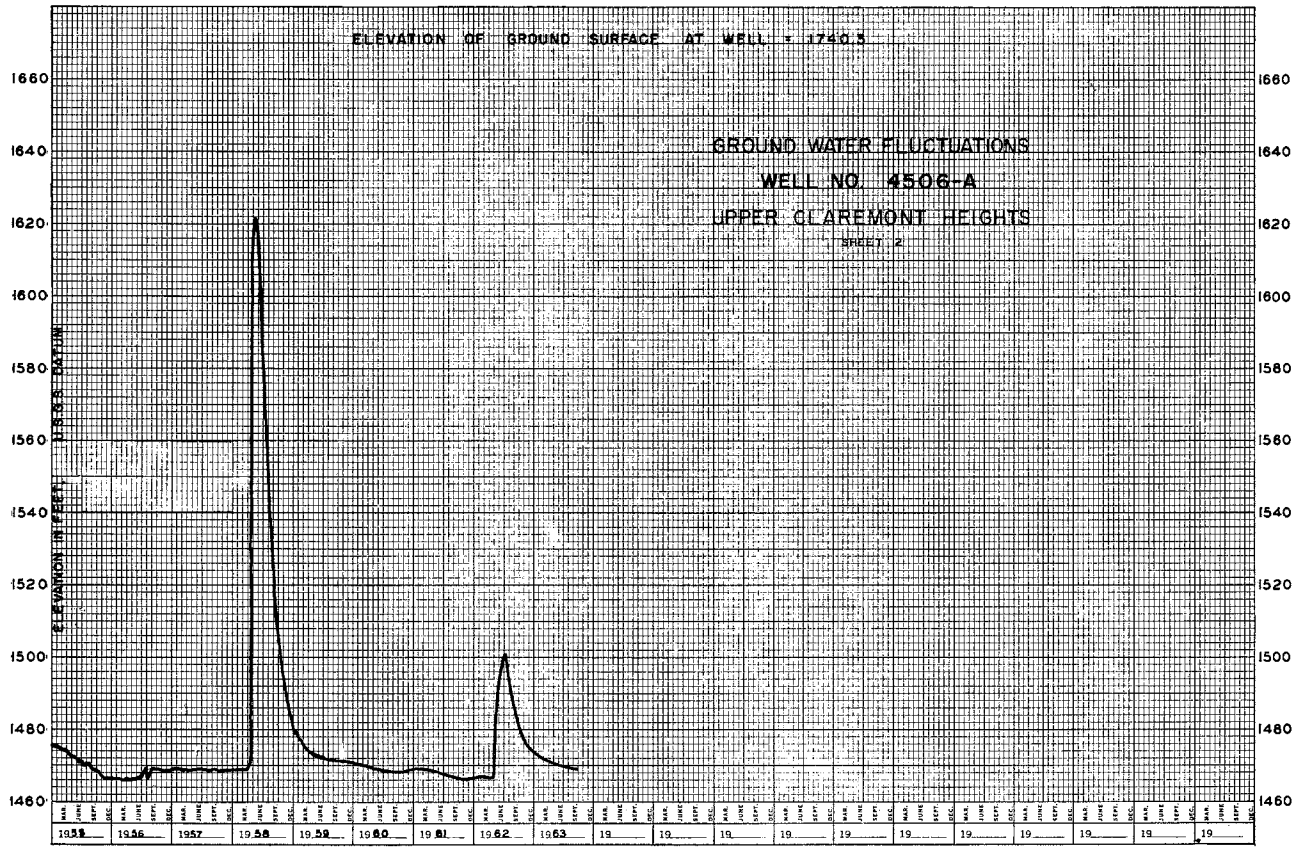

ELEVATION OF GROUND SURFACE AT WELL 3030F = 386.7
ELEVATION IN FEET, U.S.G.S. DATUM
3030F
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 3
330
320
310
300
290
280
270
260
250
240
230
220
1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962

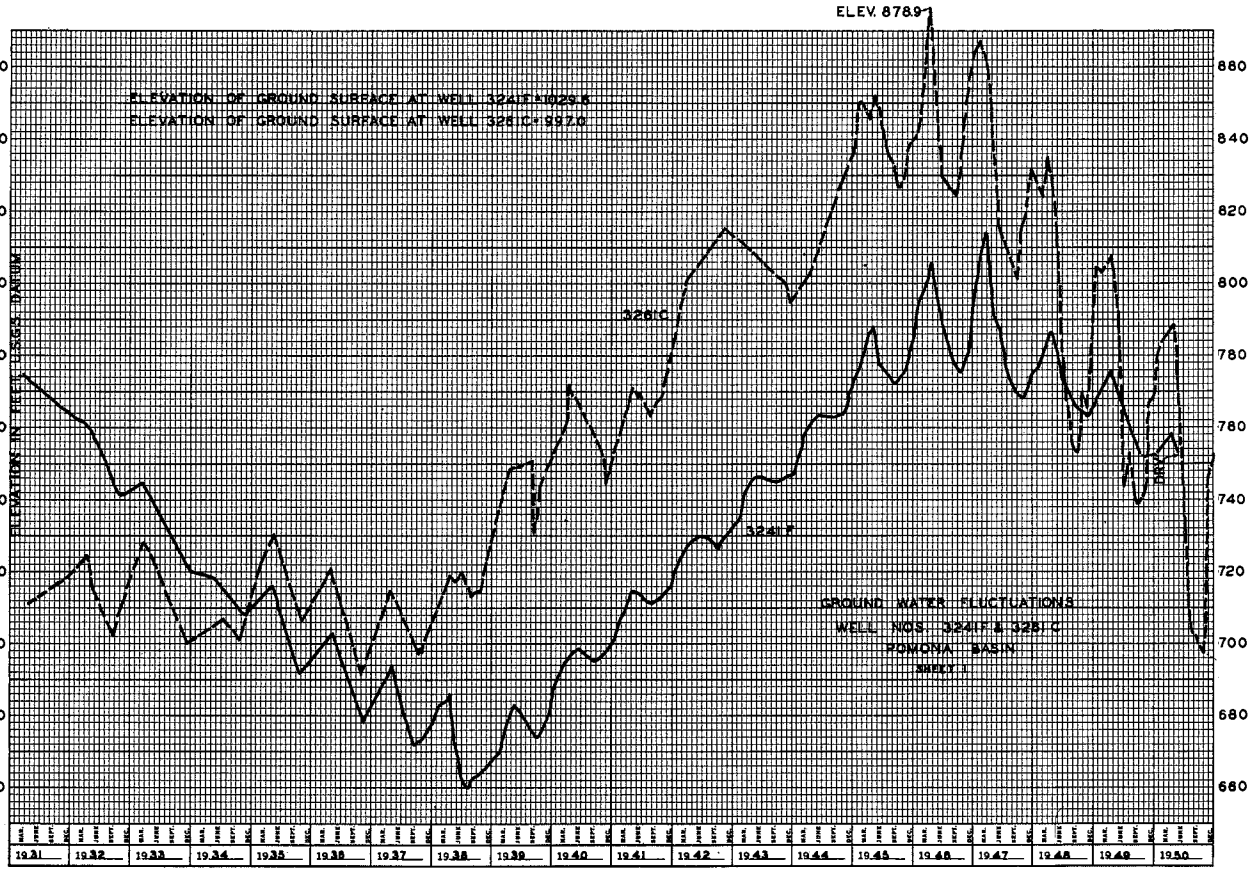

ELEVATION OF GROUND SURFACE AT WELL 3030F-366.7
GROUND WATER FLUCTUATIONS
WELL NOS. 3030 & 3030F
BALDWIN PARK
MAIN SAN GABRIEL BASIN
SHEET 4
3030F
330
320
310
300
290
280
270
260
250
240
230
220
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943

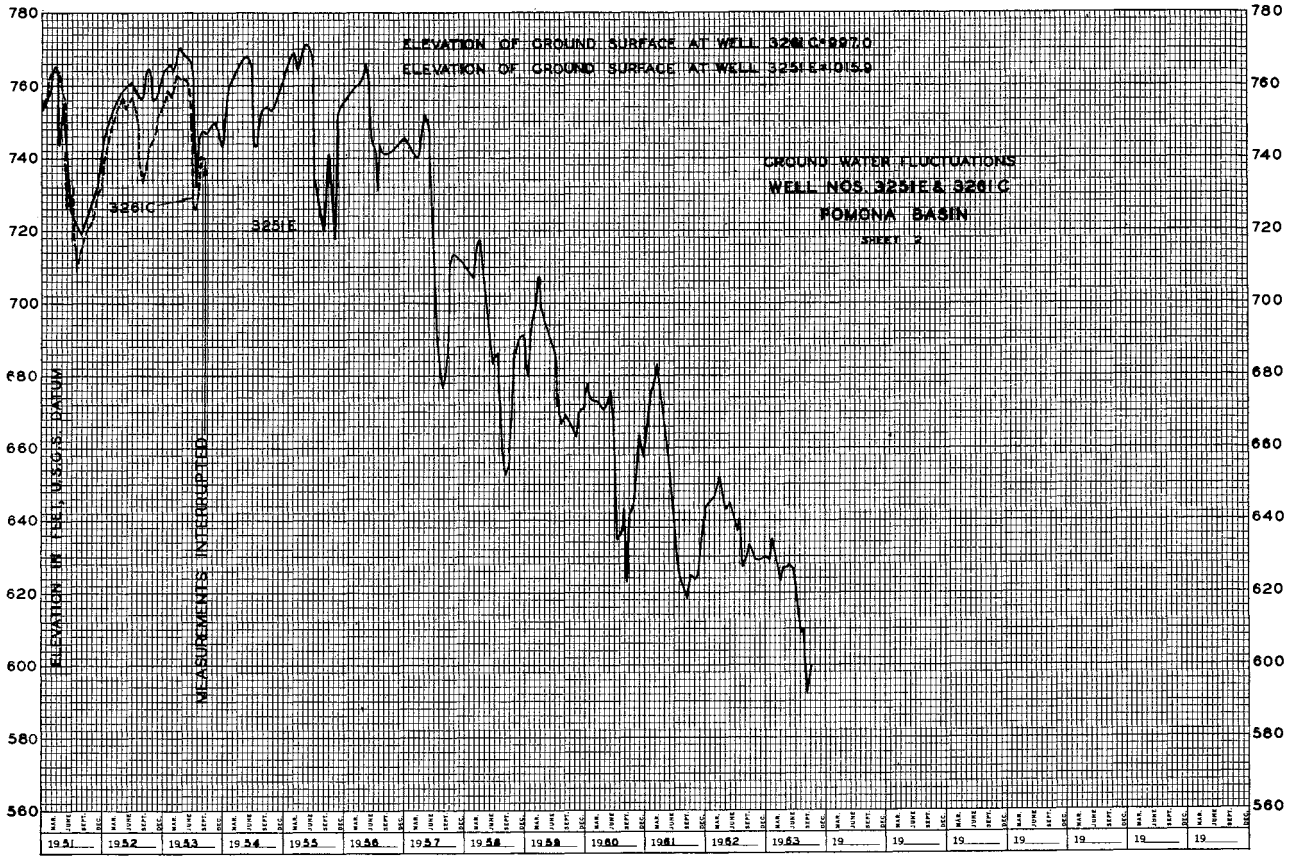

ELEVATION OF GROUND SURFACE AT WELL 4285-A
ELEVATION IN FEET, U.S.G.S. DATUM
DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELL NO. 4285-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 1
690
680
670
660
650
640
630
620
610
600
590
580
570
560
550
540
530
520
510
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943

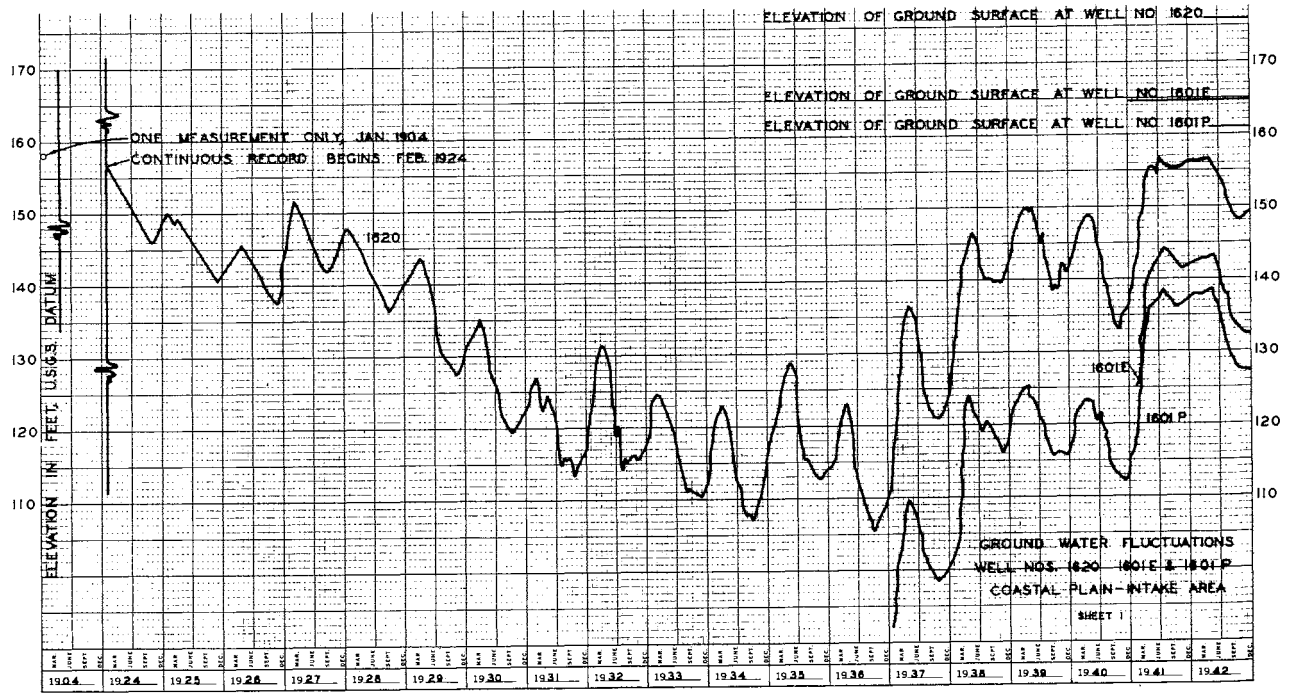

ELEVATION OF GROUND SURFACE AT WELL 4264-A
ELEVATION OF GROUND SURFACE AT WELL 4265-A
ELEVATION IN FEET, USGS DATUM
4265-A
4264-A
WELL NO. 4265-A DRY
DRY
DRY
GROUND WATER FLUCTUATIONS
WELLS 4264-A & 4265-A
NORTH OF AZUSA
SAN GABRIEL CANYON BASIN
SHEET 2

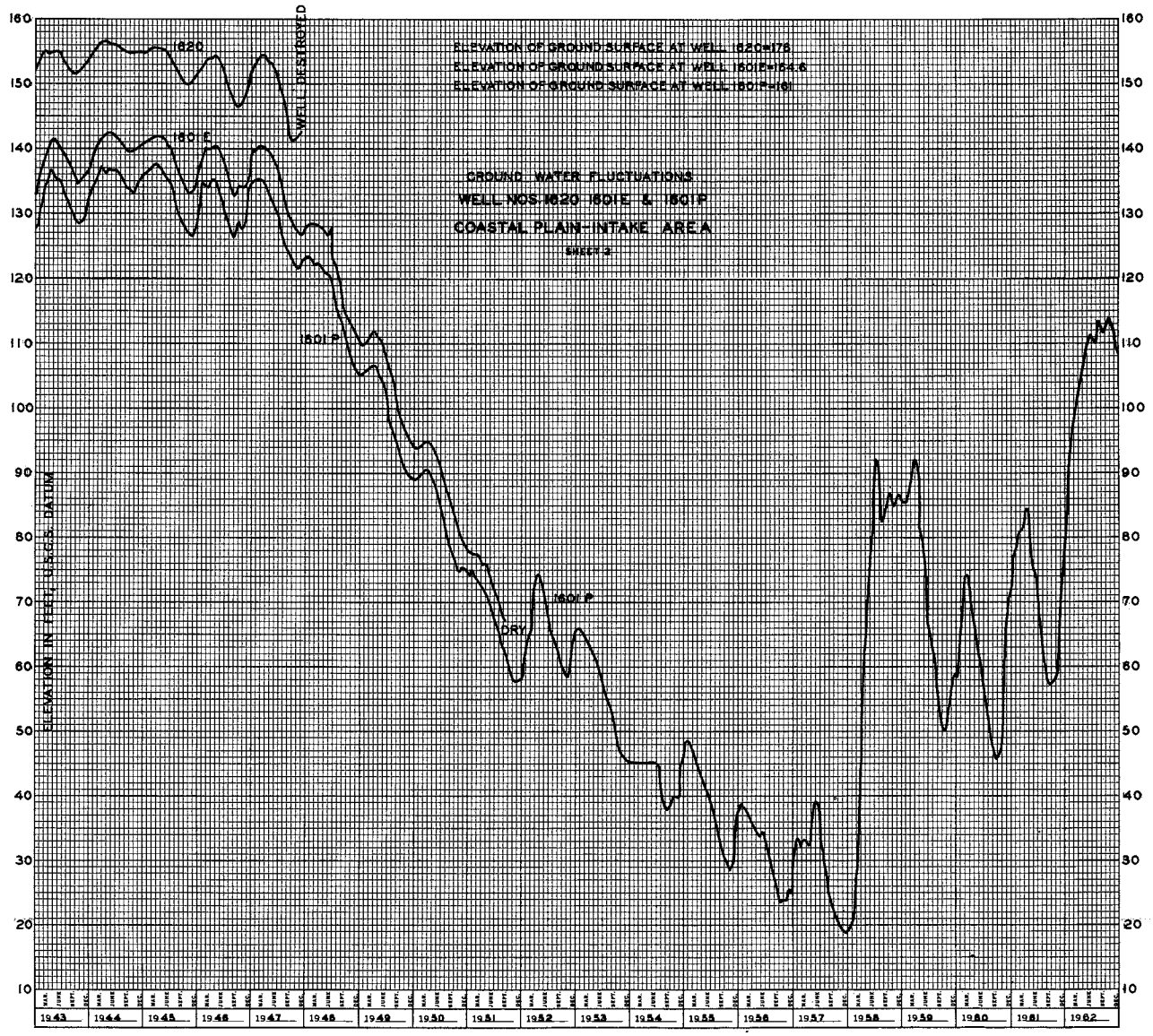

ELEVATION OF GROUND SURFACE AT WELL 17403
ELEVATION IN FEET, USGS DATUM
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
SHEET 1

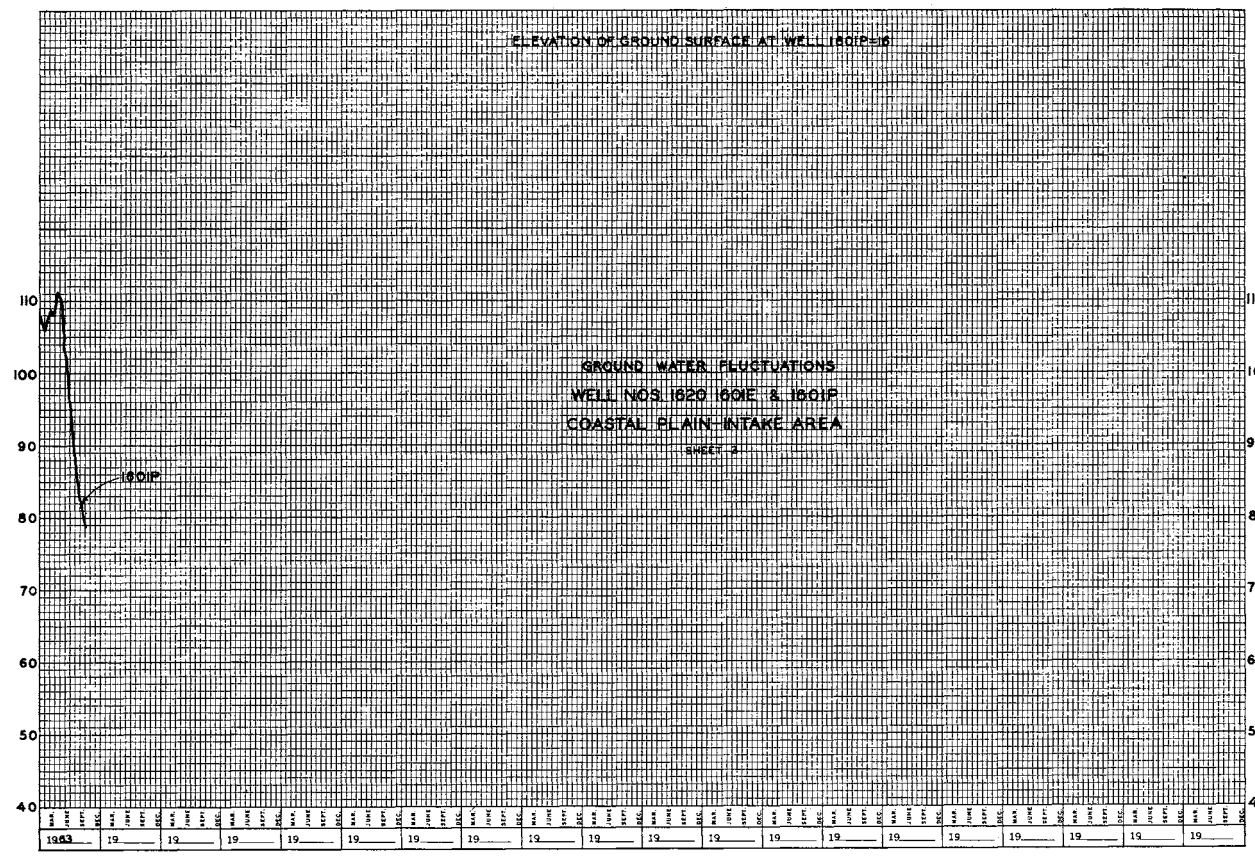

ELEVATION OF GROUND SURFACE AT WELL = 1740.5
GROUND WATER FLUCTUATIONS
WELL NO. 4506-A
UPPER CLAREMONT HEIGHTS
SHEET 2
ELEVATION IN FEET, USGS DATUM
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
1955
1956
1957
1958
1959
1960
1961
1962
1963

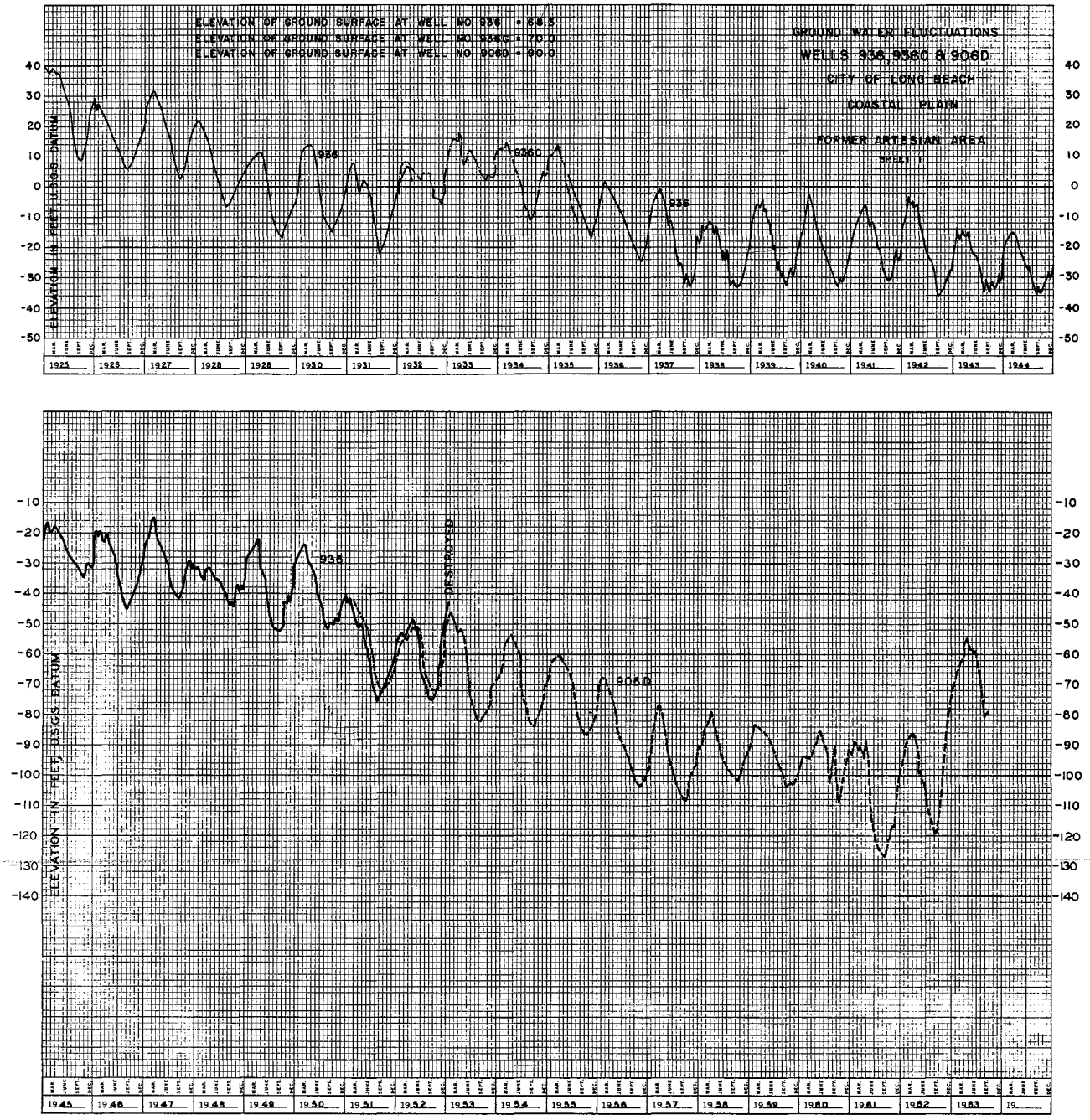

ELEV. 878.9
ELEVATION OF GROUND SURFACE AT WELL 3241F=1029.6
ELEVATION OF GROUND SURFACE AT WELL 3281C=997.0
3281C
3241F
GROUND WATER FLUCTUATIONS
WELL NOS. 3241F & 3281C
POMONA BASIN
SHEET 1
ELEVATION IN FEET, USGS DATUM
880
840
820
800
780
760
740
720
700
680
660
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950


ELEVATION OF GROUND SURFACE AT WELL 3261C=897.0
ELEVATION OF GROUND SURFACE AT WELL 3251E=1015.9
GROUND WATER FLUCTUATIONS
WELL NOS. 3251E & 3261C
POMONA BASIN
SHEET 2
3261C
3251E
MEASUREMENTS INTERRUPTED
ELEVATION IN FEET, U.S.G.S. DATUM
780
760
740
720
700
680
660
640
620
600
580
560
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963

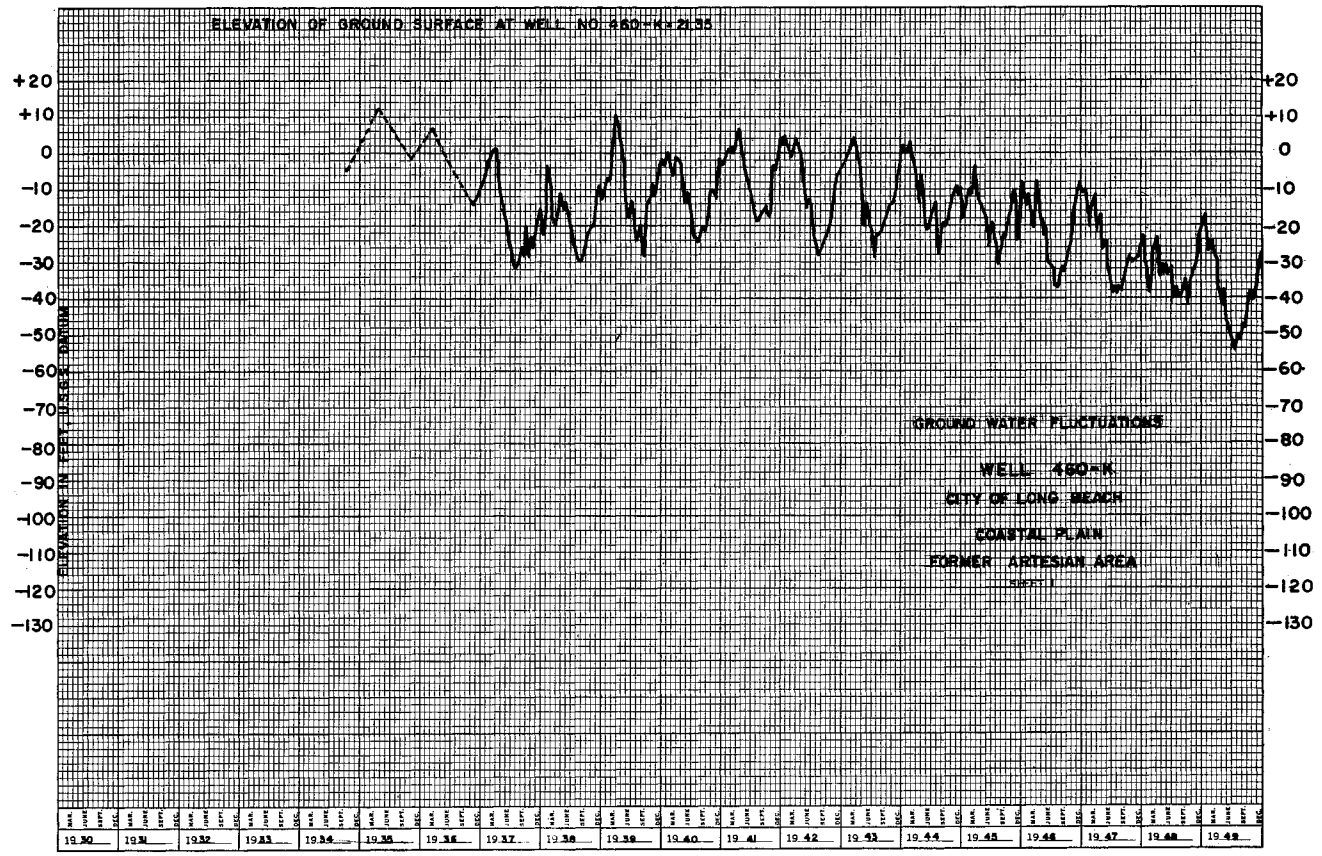

ELEVATION OF GROUND SURFACE AT WELL NO 1620
ELEVATION OF GROUND SURFACE AT WELL NO 1601E
ELEVATION OF GROUND SURFACE AT WELL NO 1601P
ONE MEASUREMENT ONLY, JAN 1904
CONTINUOUS RECORD BEGINS FEB 1924
1620
1601E
1601P
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN-INTAKE AREA
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
170
160
150
140
130
120
110
1904
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

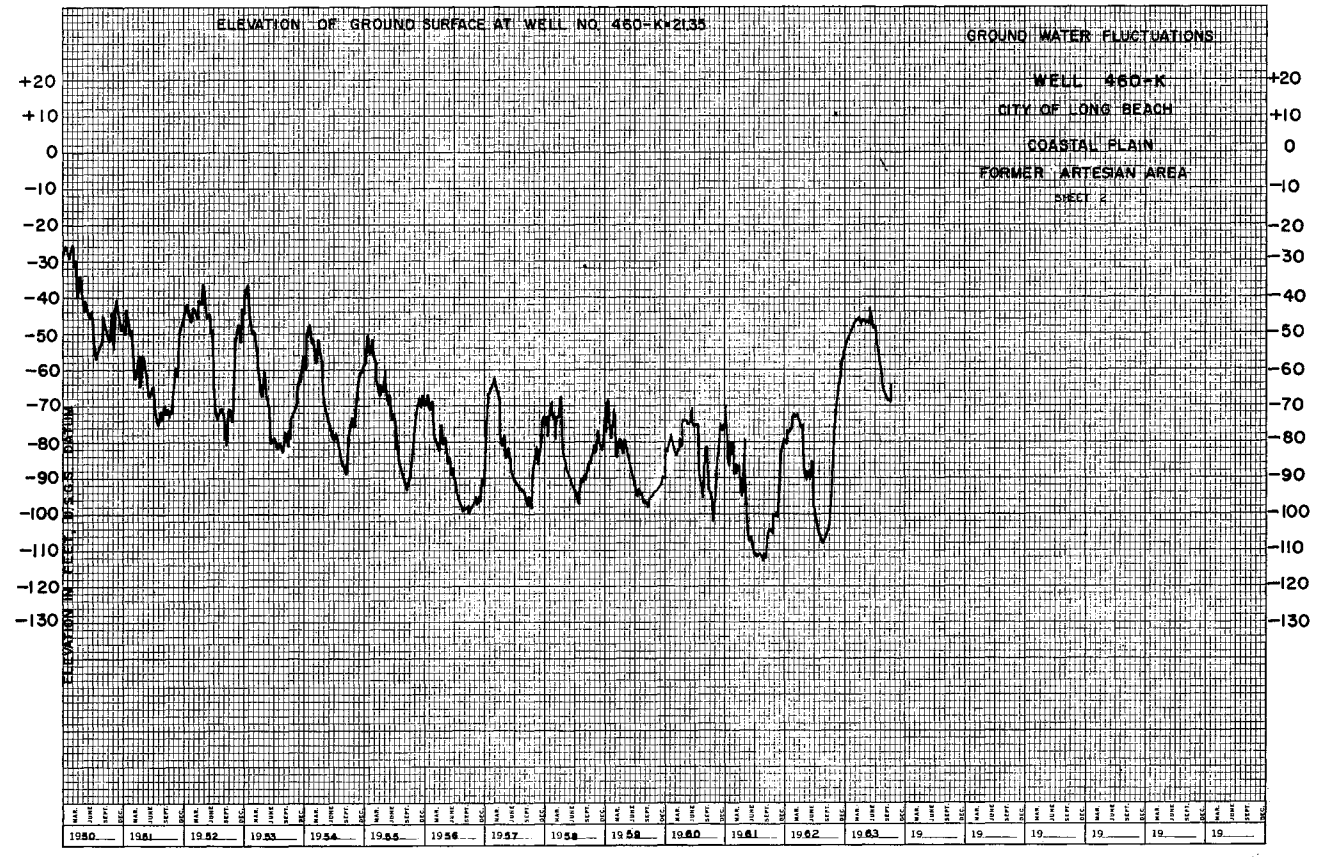

ELEVATION OF GROUND SURFACE AT WELL 1820=175
ELEVATION OF GROUND SURFACE AT WELL 1601E=154.6
ELEVATION OF GROUND SURFACE AT WELL 1601P=161
GROUND WATER FLUCTUATIONS
WELL NOS 1820 1601E & 1601P
COASTAL PLAIN-INTAKE AREA
SHEET 2
1820
1601E
1601P
1601P
DRY
WELL DESTROYED
ELEVATION IN FEET, U.S.G.S. DATUM
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962

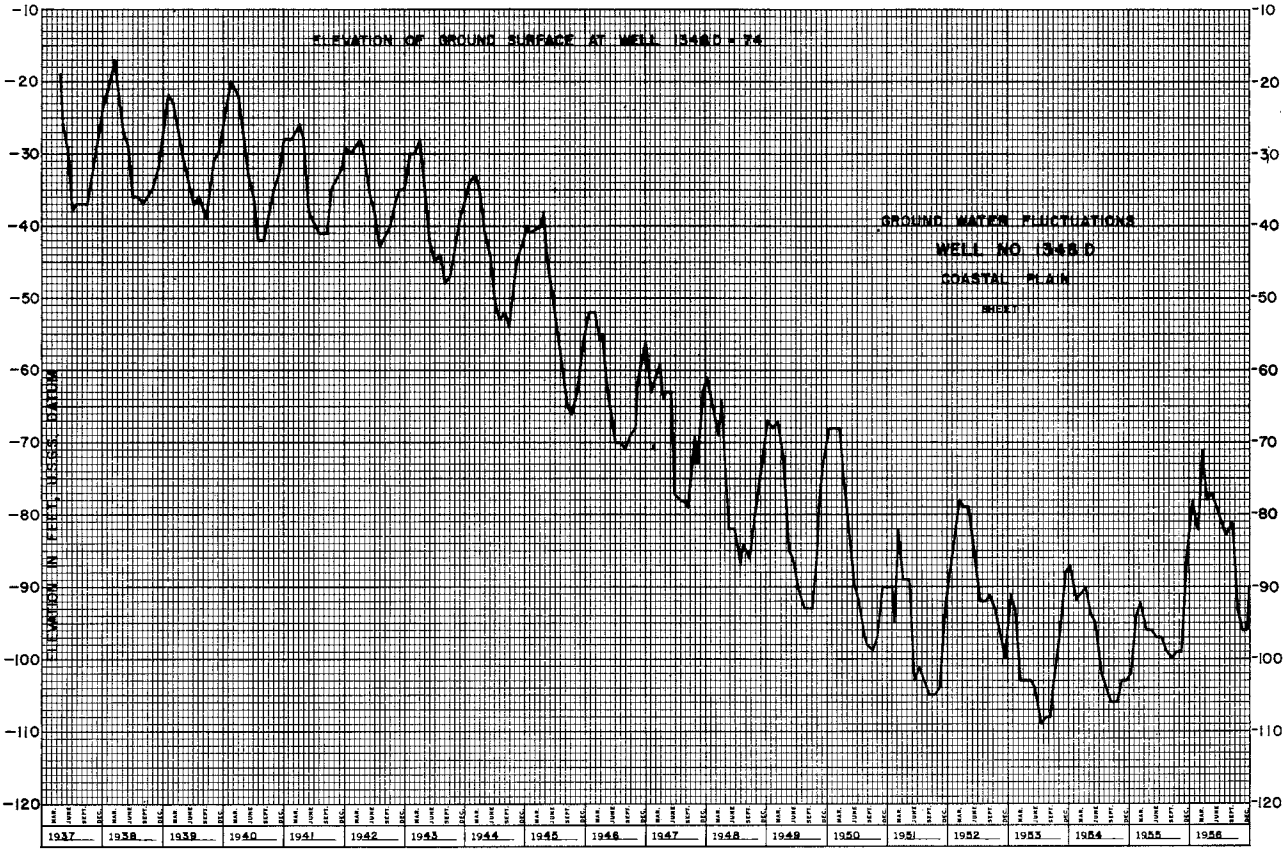

ELEVATION OF GROUND SURFACE AT WELL 1601P=16'
GROUND WATER FLUCTUATIONS
WELL NOS. 1620 1601E & 1601P
COASTAL PLAIN INTAKE AREA
SHEET 2
1601P
110
100
90
80
70
60
50
40
MAR.
JUNE
SEPT.
DEC.
19 63
19 ____

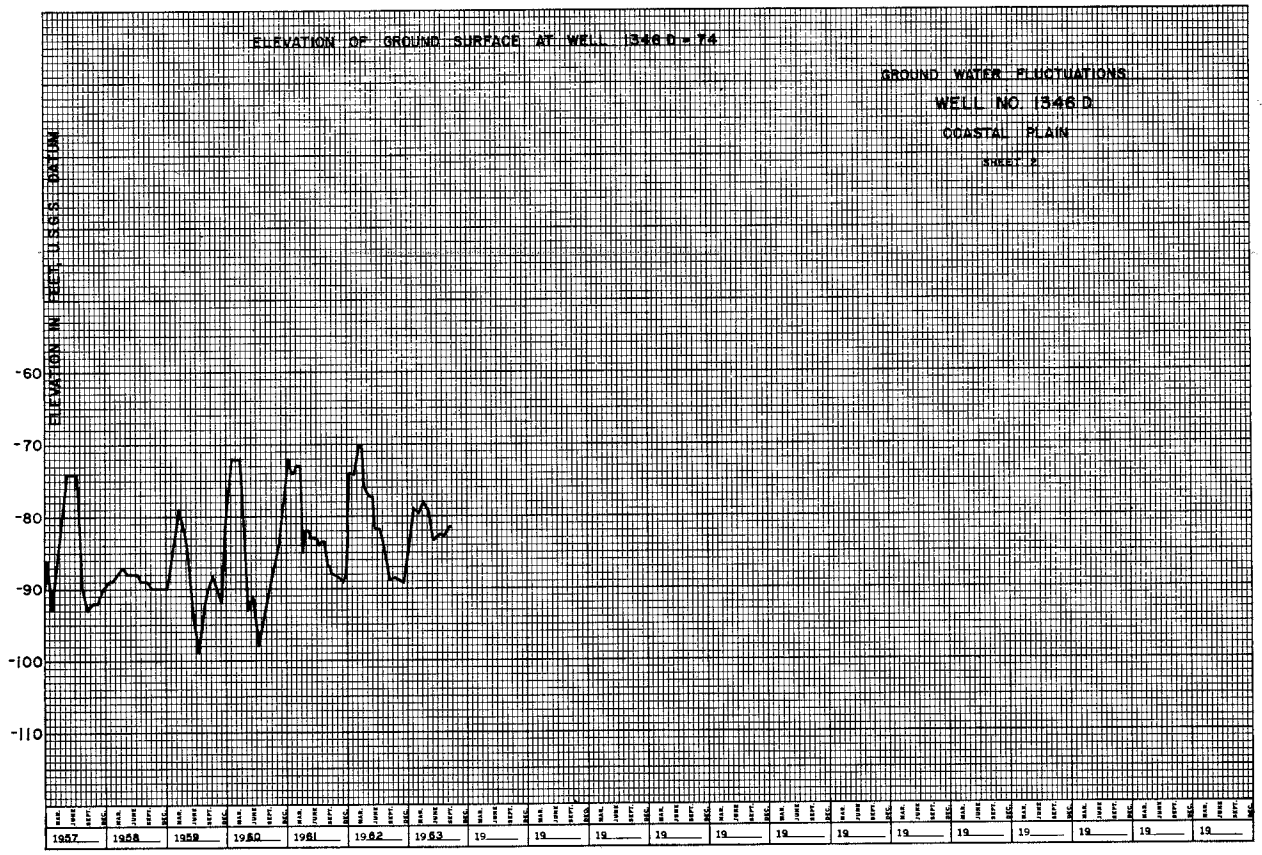

ELEVATION OF GROUND SURFACE AT WELL NO. 936 + 66.5
ELEVATION OF GROUND SURFACE AT WELL NO. 936C + 70.0
ELEVATION OF GROUND SURFACE AT WELL NO. 906D + 90.0
GROUND WATER FLUCTUATIONS
WELLS 936, 936C & 906D
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
936
936C
936
1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944

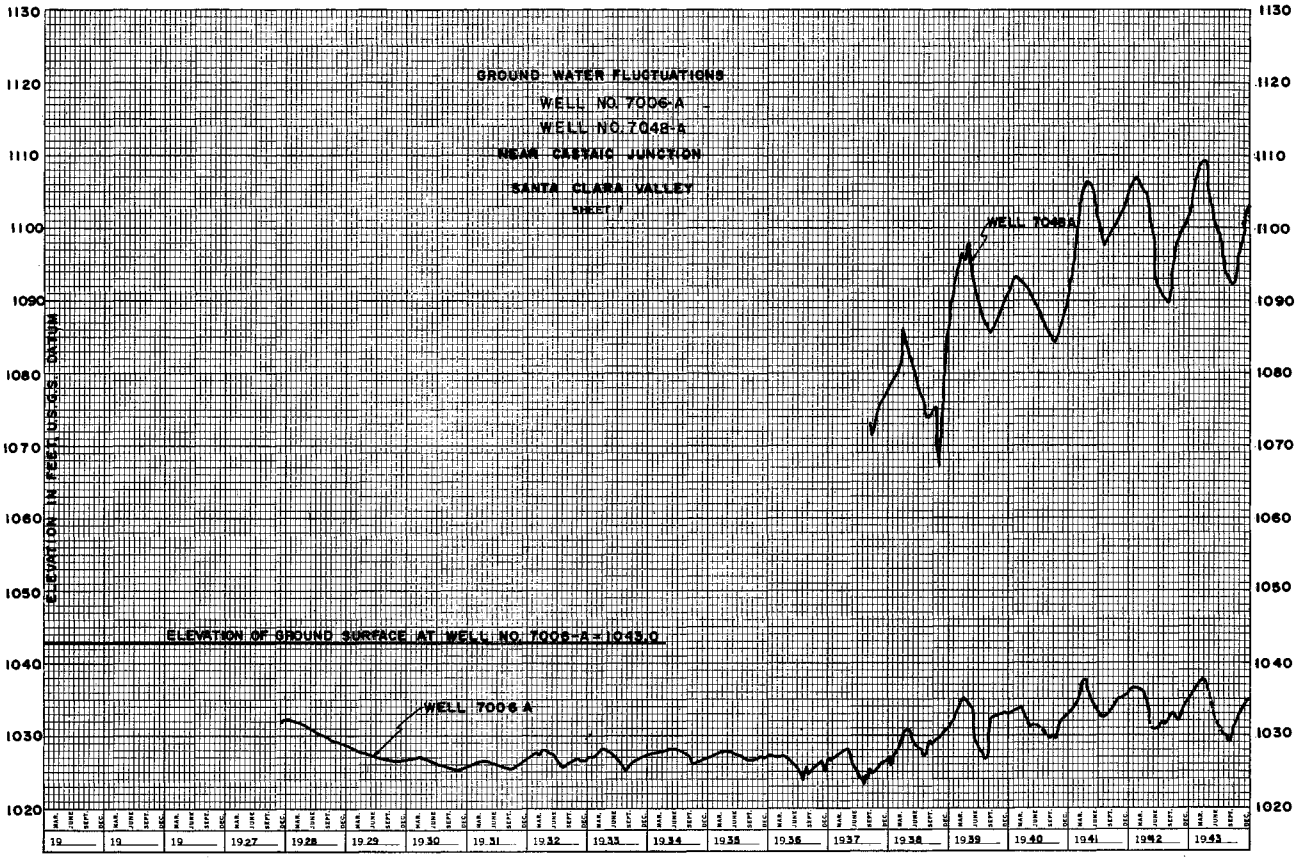
ELEVATION IN FEET, U.S.G.S. DATUM
936
DESTROYED
906D
1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 19

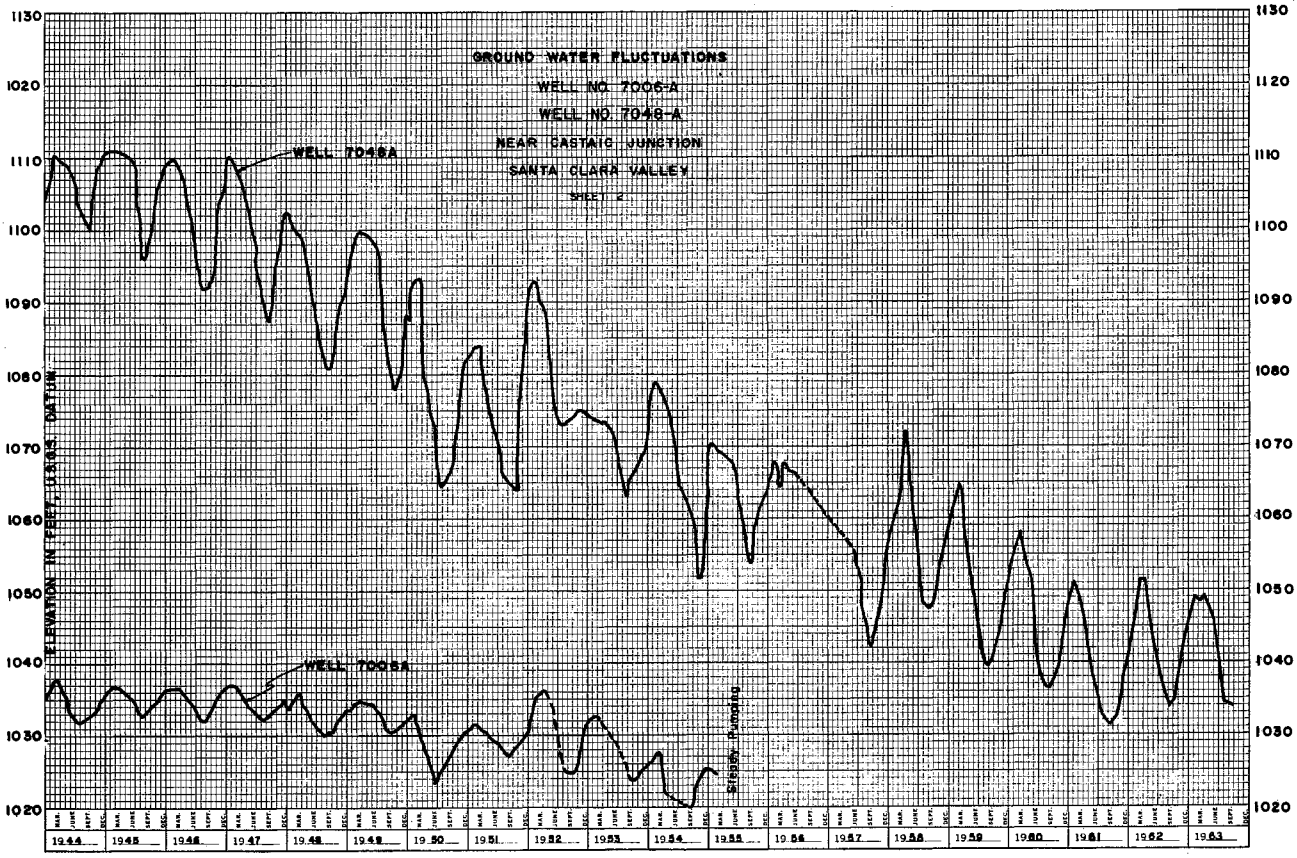

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K×21.35
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET U.S.G.S. DATUM
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 1
1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949

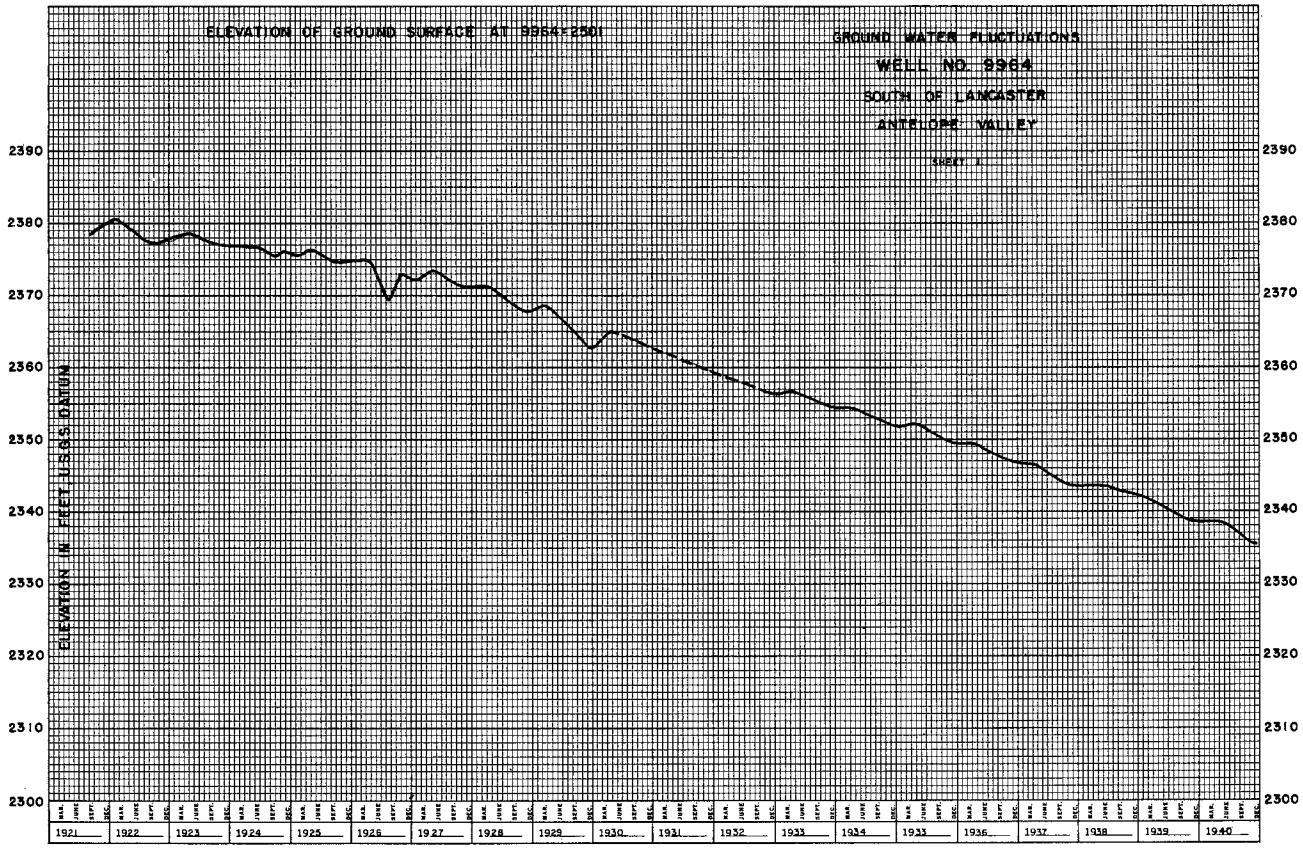

ELEVATION OF GROUND SURFACE AT WELL NO. 460-K×21.35
GROUND WATER FLUCTUATIONS
WELL 460-K
CITY OF LONG BEACH
COASTAL PLAIN
FORMER ARTESIAN AREA
SHEET 2
+20
+10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
ELEVATION IN FEET U.S.G.S. DATUM
1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 19 19 19 19 19 19

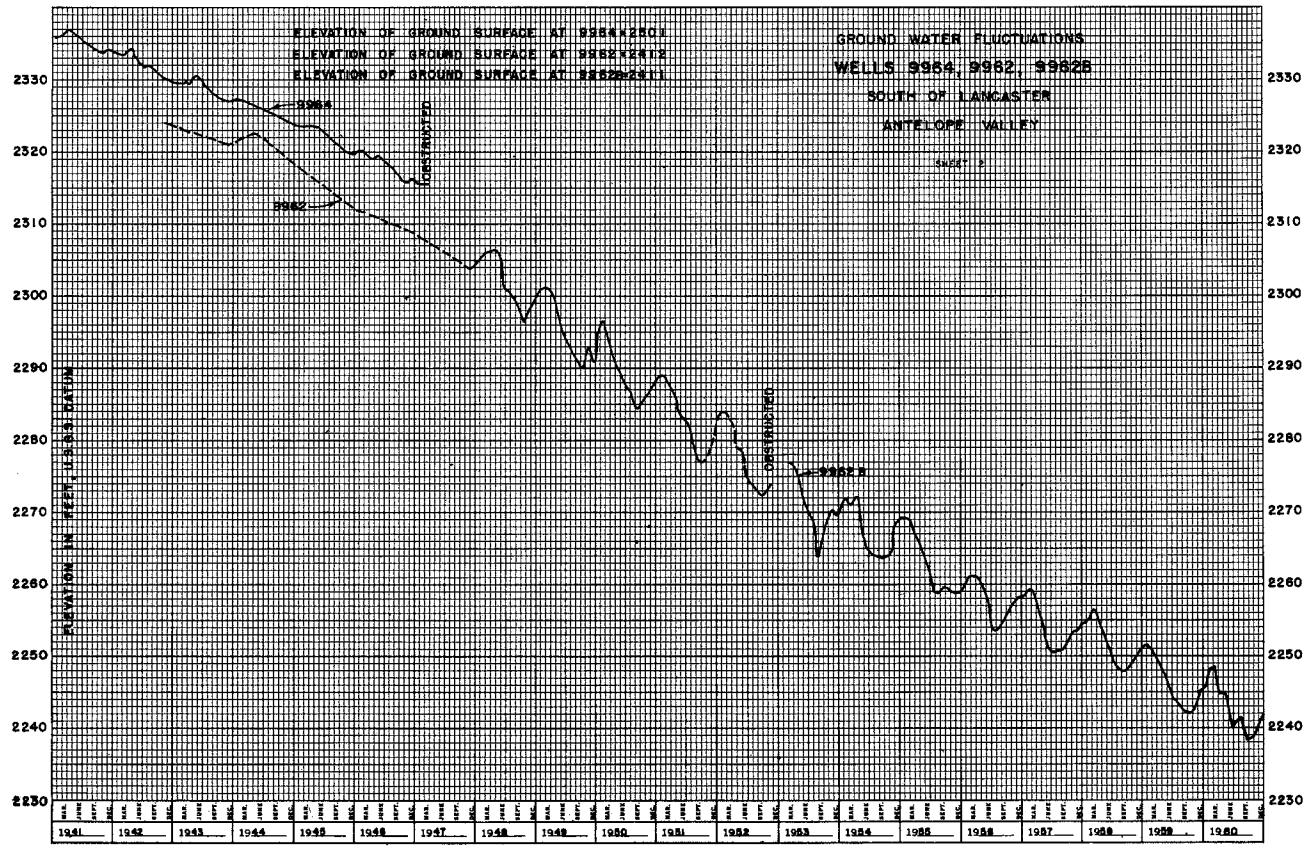

ELEVATION OF GROUND SURFACE AT WELL 1346 D = 74
GROUND WATER FLUCTUATIONS
WELL NO. 1346 D
COASTAL PLAIN
SHEET 1
ELEVATION IN FEET, USGS DATUM
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
-110
-120
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956

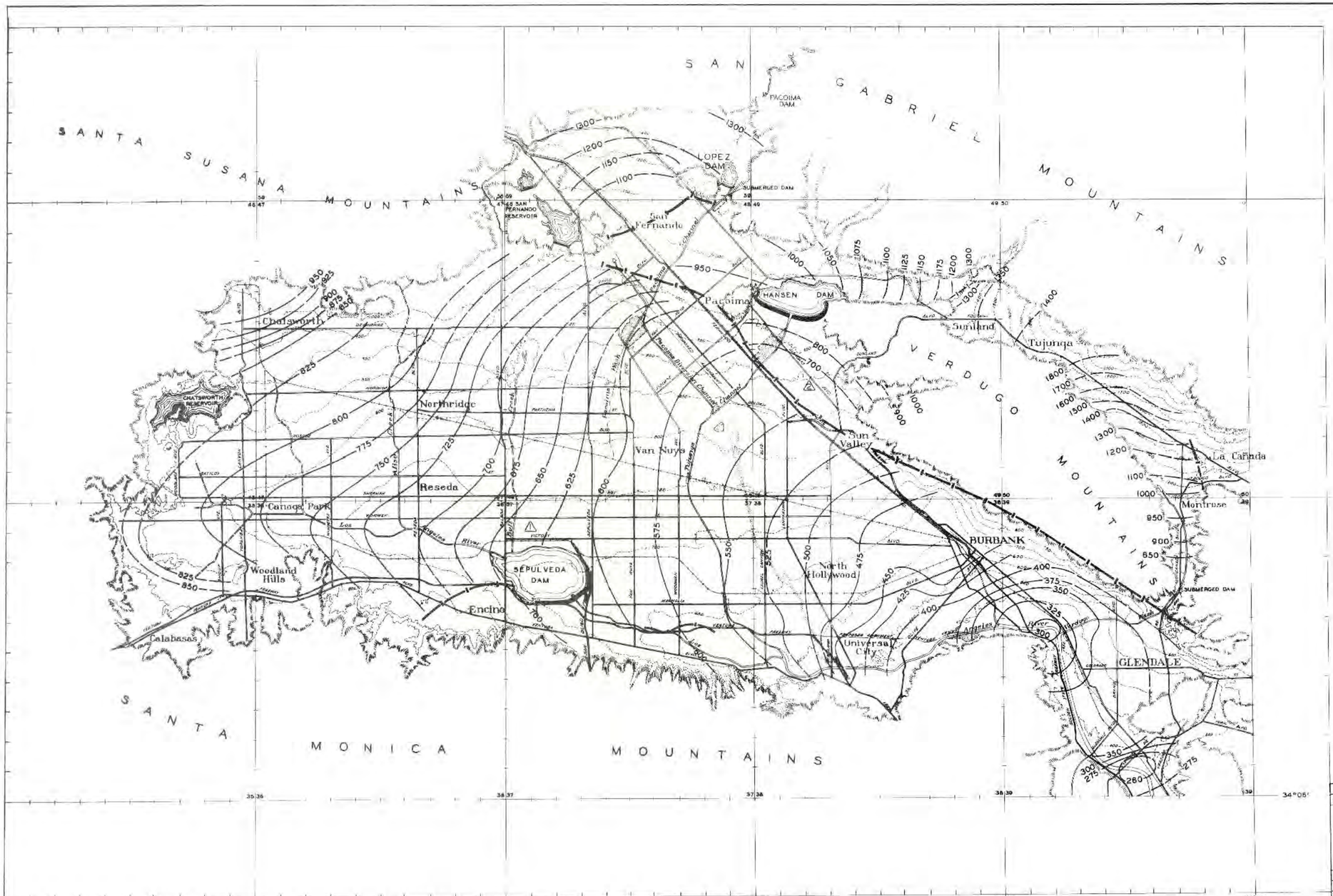

ELEVATION OF GROUND SURFACE AT WELL 1346 D = 74
GROUND WATER FLUCTUATIONS
WELL NO. 1346 D
COASTAL PLAIN
SHEET 2
ELEVATION IN FEET, USGS DATUM
-60
-70
-80
-90
-100
-110
1957
1958
1959
1960
1961
1962
1963


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
ELEVATION OF GROUND SURFACE AT WELL NO. 7006-A = 1043.0
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
19 19 19 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943


GROUND WATER FLUCTUATIONS
WELL NO. 7006-A
WELL NO. 7048-A
NEAR CASTAIC JUNCTION
SANTA CLARA VALLEY
SHEET 2
ELEVATION IN FEET, U.S.G.S. DATUM
WELL 7048A
WELL 7006A
Stopped Pumping
1130
1120
1110
1100
1090
1080
1070
1060
1050
1040
1030
1020
1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963


ELEVATION OF GROUND SURFACE AT 9964=2501
GROUND WATER FLUCTUATIONS
WELL NO. 9964
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 1
ELEVATION IN FEET, U.S.G.S. DATUM
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940


ELEVATION OF GROUND SURFACE AT 9964=2501
ELEVATION OF GROUND SURFACE AT 9962=2512
ELEVATION OF GROUND SURFACE AT 9962B=2511
GROUND WATER FLUCTUATIONS
WELLS 9964, 9962, 9962B
SOUTH OF LANCASTER
ANTELOPE VALLEY
SHEET 2
9964
9962
9962B
OBSERVED
OBSERVED
ELEVATION IN FEET, U.S.G.S. DATUM
2330
2320
2310
2300
2290
2280
2270
2260
2250
2240
2230
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960



LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

REVISIONS		
MARK	DATE	DESCRIPTION
	SEPT. 1960	GENERAL (ON BASE)
	FEB. 1961	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
⚠	JAN. 1964	600-675 GROUND WATER CONTOURS REALIGNED
⚠	JAN. 1964	700 & 800 GROUND WATER CONTOURS REALIGNED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

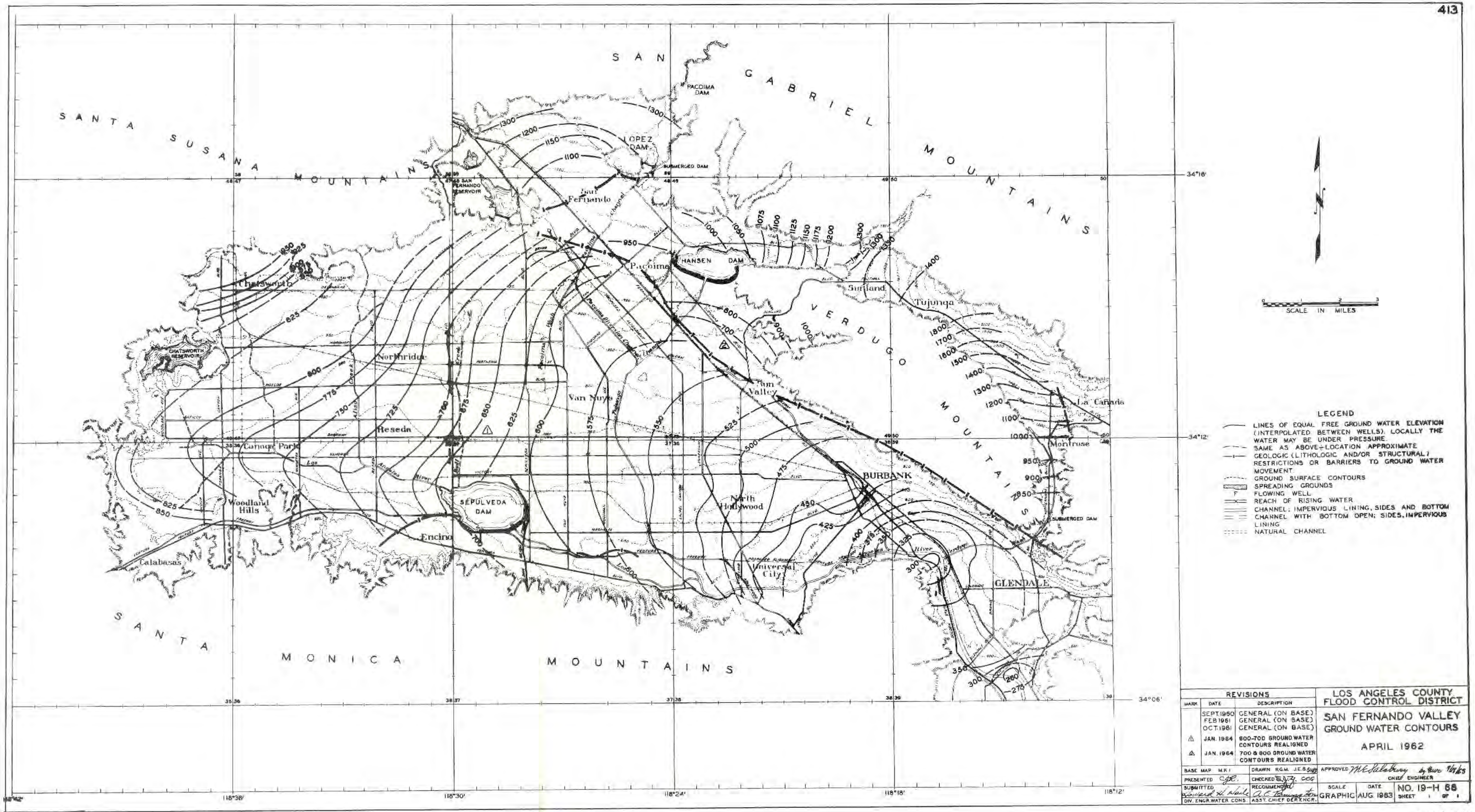
SAN FERNANDO VALLEY GROUND WATER CONTOURS

NOVEMBER 1961

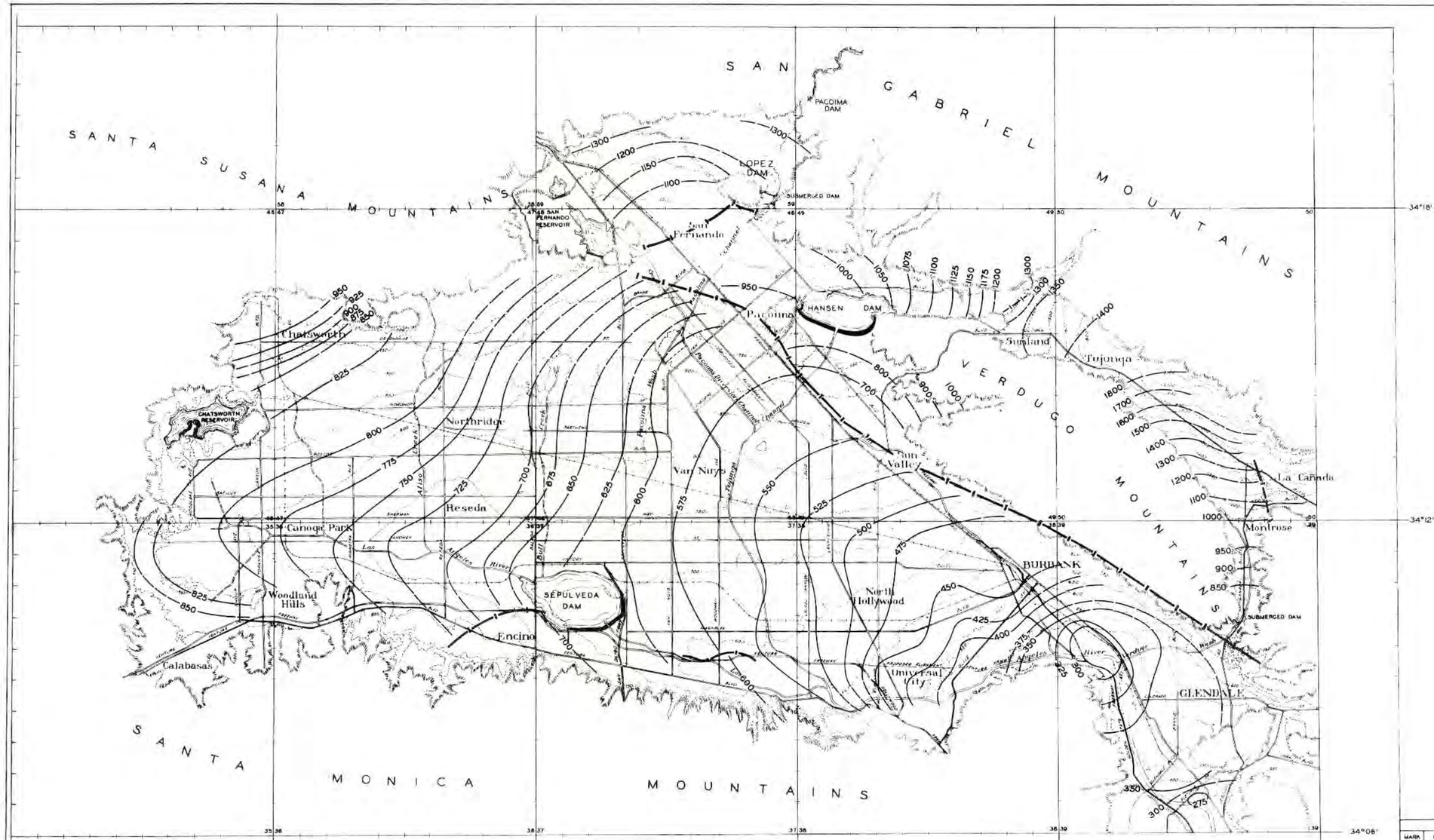
BASE MAP M.K.I.	DRAWN R.G.W. J.E.B.	APPROVED M. Schlesinger by Geo. 9/11/63 CHIEF ENGINEER	
PRESENTED C.J.C.	CHECKED R. G.W. C.C.G.		
SUBMITTED Richard A. Hall DIV. ENGR. WATER CONS.	RECOMMENDED A.E. Bumgardner ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE AUG. 1963

NO. 19-H 87
SHEET 1 OF 1

MAP VII


SAN GABRIEL MOUNTAINS
SANTA SUSANA MOUNTAINS
SANTA MONICA MOUNTAINS
VERDUGO MOUNTAINS
PACOIMA DAM
LOPEZ DAM
SUBMERGED DAM
SAN FERNANDO RESERVOIR
San Fernando
HANSEN DAM
Pacoima
Sunland
Tujunga
La Canada
Montrose
Chatsworth
CHATSWORTH RESERVOIR
Northridge
Van Nuys
Sun Valley
Reseda
Canoga Park
Woodland Hills
Calabasas
SEPULVEDA DAM
Encino
BURBANK
North Hollywood
Universal City
GLENDALE
SCALE IN MILES
LEGEND
LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
SAME AS ABOVE—LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
GROUND SURFACE CONTOURS
SPREADING GROUNDS
F FLOWING WELL
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
REVISIONS
MARK | DATE | DESCRIPTION
SEPT. 1960 GENERAL (ON BASE)
FEB. 1961 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
JAN. 1964 600-700 GROUND WATER CONTOURS REALIGNED
JAN. 1964 700 & 800 GROUND WATER CONTOURS REALIGNED
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
SAN FERNANDO VALLEY GROUND WATER CONTOURS
APRIL 1962
BASE MAP M.K.I
DRAWN R.G.M. J.E.B.
PRESENTED
CHECKED
SUBMITTED
RECOMMENDED
APPROVED
CHIEF ENGINEER
DIV. ENGR. WATER CONS.
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE AUG. 1963
NO. 19-H 68
SHEET 1 OF 1

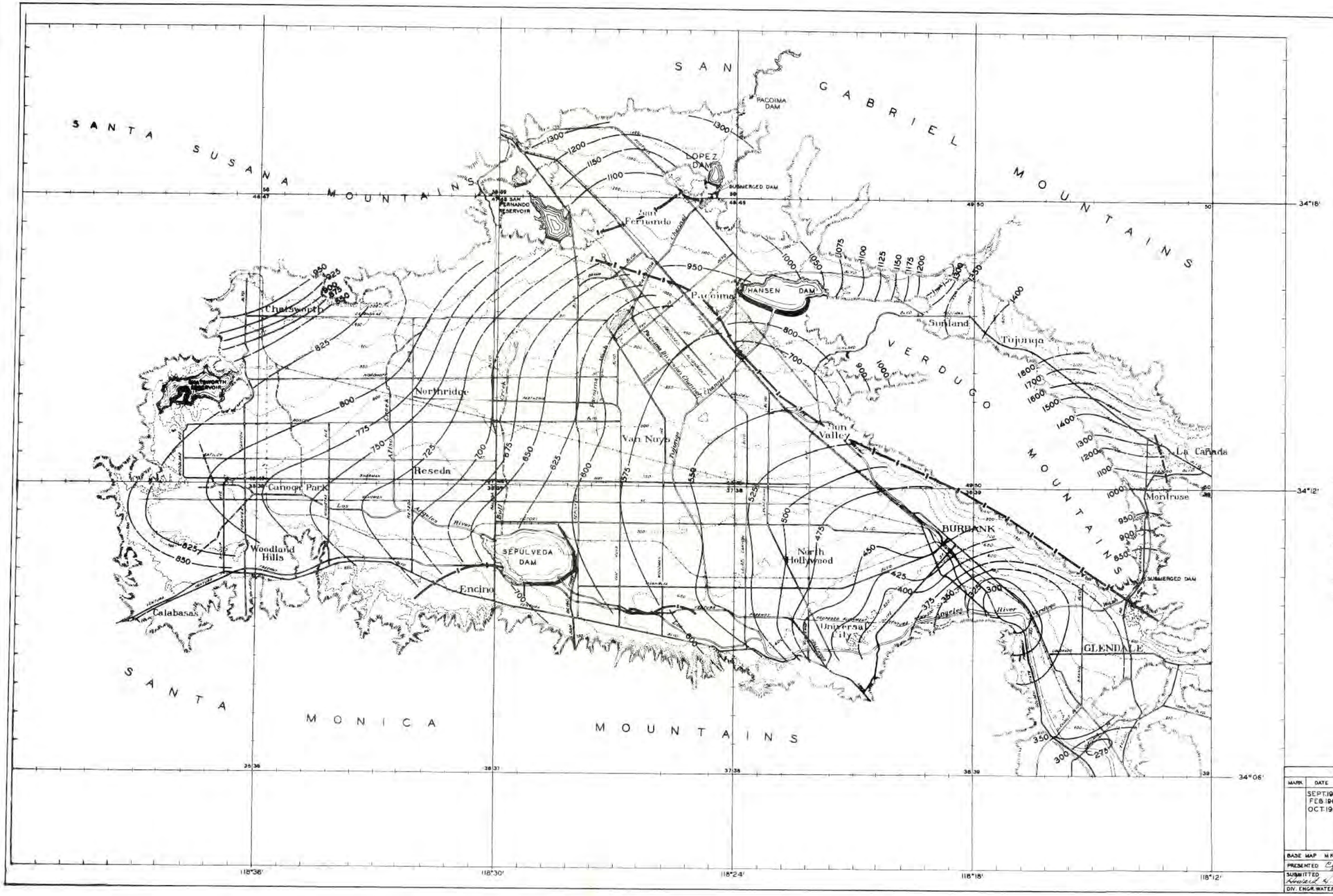
MAP VIII



REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	SEPT. 1960	GENERAL (ON BASE)	SAN FERNANDO VALLEY GROUND WATER CONTOURS
	FEB. 1961	GENERAL (ON BASE)	
	OCT. 1961	GENERAL (ON BASE)	NOVEMBER 1962

BASE MAP (M.K.) | DRAWN R.G.M. | APPROVED
PRESENTED C.G.R. | CHECKED E.T.S. C.C.G. | CHIEF ENGINEER
SUBMITTED Howard K. Gault, DIV. ENGR. WATER CONS. | RECOMMENDED A.C. Barrington, ASST. CHIEF DEP. ENGR. | SCALE GRAPHIC | DATE JAN. 1964 | NO. 19-H 69 SHEET 1 OF 1

MAP IX



LEGEND

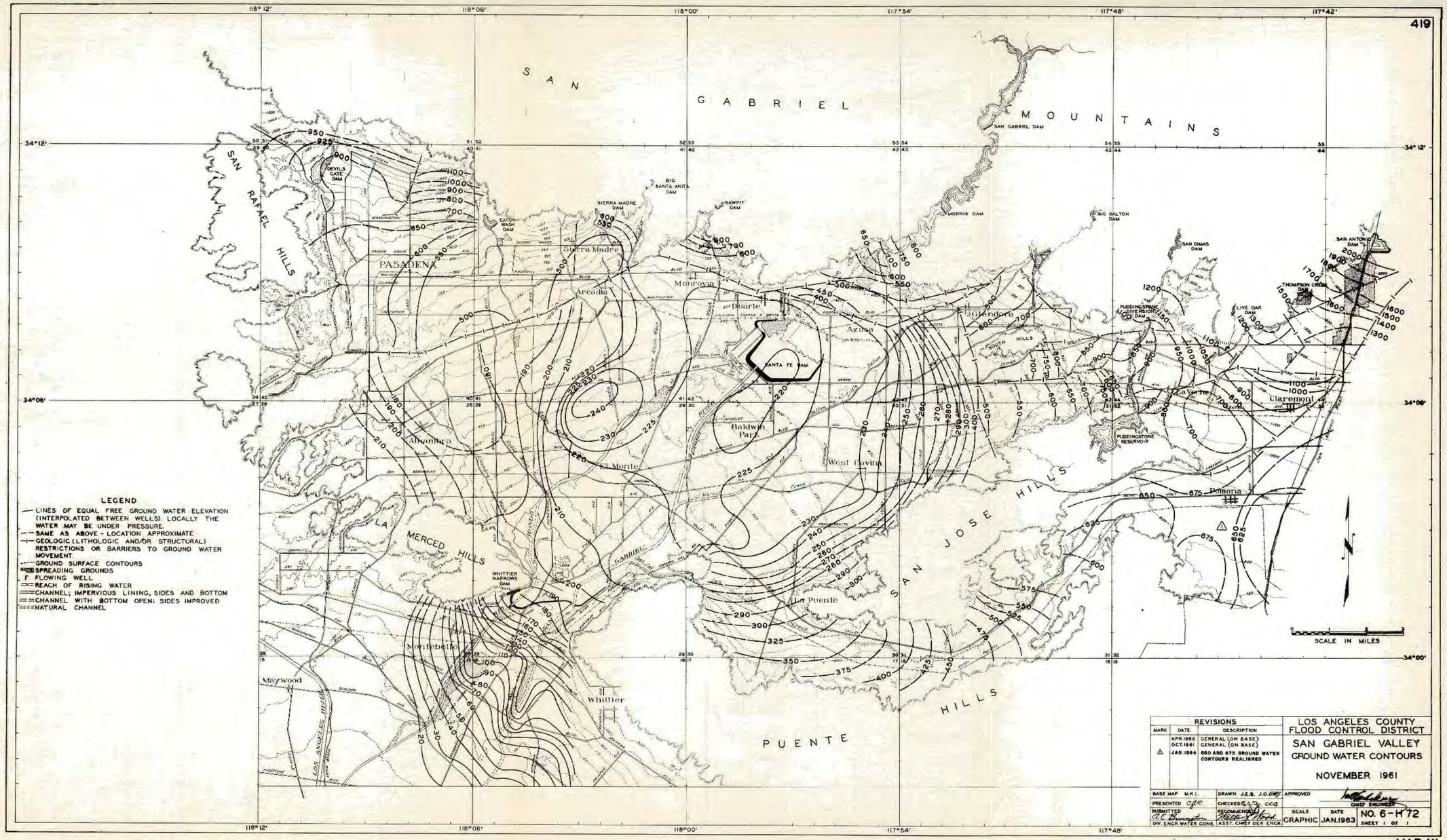
- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER **PRESSURE**.
- SAME AS ABOVE LOCATION **APPROXIMATE**.
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	SEPT. 1960	GENERAL (ON BASE)	SAN FERNANDO VALLEY GROUND WATER CONTOURS
	FEB. 1961	GENERAL (ON BASE)	
	OCT. 1961	GENERAL (ON BASE)	APRIL 1963

BASE MAP M.R.I.	DRAWN R.G.M.	APPROVED	CHIEF ENGINEER
PRESENTED	CHECKED		
SUBMITTED DIV. ENGR. WATER CONS.	RECOMMENDED ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE FEB. 1964

NO. 19-H 70
SHEET 1 OF 1

MAP X



LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT.
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
- NATURAL CHANNEL

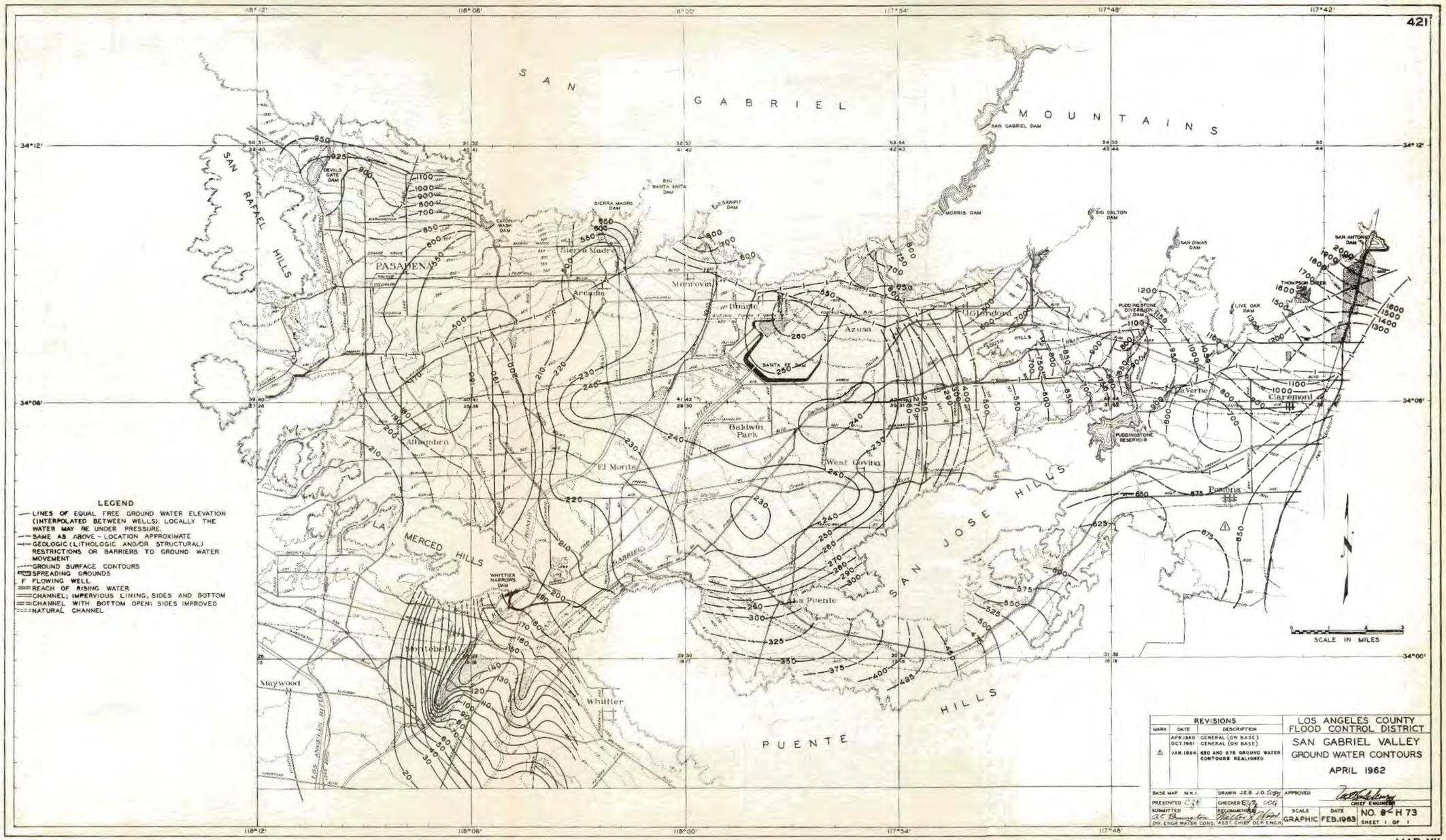
REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SAN GABRIEL VALLEY
	APR. 1960	GENERAL (ON BASE)	GROUND WATER CONTOURS
	OCT. 1961	GENERAL (ON BASE)	NOVEMBER 1961
△	JAN. 1964	650 AND 675 GROUND WATER CONTOURS REALIGNED	

BASE MAP M.K.I.	DRAWN J.E.B. J.O.	APPROVED	CHIEF ENGINEER
PRESENTED C.A.C.	CHECKED E.S.T. C.C.Q.		
SUBMITTED A.C. Thornton DIV. ENGR. WATER CONS.	RECOMMENDED Walter E. Hoad ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE JAN. 1963

NO. 6-H72
SHEET 1 OF 1

MAP XI

421



LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS); LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- F FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	APR. 1960	GENERAL (ON BASE)	SAN GABRIEL VALLEY
	OCT. 1961	GENERAL (ON BASE)	GROUND WATER CONTOURS
△	JAN. 1964	650 AND 675 GROUND WATER CONTOURS REALIGNED	APRIL 1962

BASE MAP N.K.I.	DRAWN J.E.B. J.O. Long	APPROVED	CHIEF ENGINEER
PRESENTED	CHECKED E.V. COG		
SUBMITTED	RECOMMENDED	SCALE GRAPHIC	DATE FEB. 1963
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.		NO. 62 H 73 SHEET 1 OF 1

MAP XII

LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	APR. 1960	GENERAL (ON BASE)	SAN GABRIEL VALLEY
△	OCT. 1961	GENERAL (ON BASE)	GROUND WATER CONTOURS
△	DEC. 1963	170 GROUND WATER CONTOUR REALIGNED	
△	JAN. 1964	650 AND 675 GROUND WATER CONTOURS REALIGNED	NOVEMBER 1962

BASE MAP W.K.I.	DRAWN R.G.M.	APPROVED			
PRESENTED CGR	CHECKED CGR COG				
SUBMITTED Richard K. Hall DIV. ENGR. WATER CONS.	RECOMMENDED C.G. Bissinger Jr. ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE AUG. 1963	NO. 6-H 74 SHEET 1 OF 1	

MAP XIII

425

118°12' 118°06' 118°00' 117°54' 117°48' 117°42'

34°12' 34°08' 34°00'

SAN GABRIEL MOUNTAINS

SAN RAFAEL HILLS

SAN JOSE HILLS

PUENTE HILLS

LA MERCED HILLS

PASADENA

Sierra Madre

Arcadia

Monrovia

Duarte

Azusa

Glendora

La Verne

Claremont

Pomona

Alhambra

El Monte

Baldwin Park

West Covina

La Puente

Montebello

Maywood

Whittier

SAN GABRIEL DAM

MORRIS DAM

BIG DALTON DAM

SAN DIMAS DAM

SAN ANTONIO DAM

THOMPSON CREEK DAM

LIVE OAK DAM

PUDDINGSTONE DIVERSION DAM

PUDDINGSTONE RESERVOIR

DEVILS GATE DAM

BIG SANTA ANITA DAM

SIERRA MADRE DAM

EATON WASH DAM

SAWPIT DAM

SANTA FE DAM

WHITTIER NARROWS DAM

LOS ANGELES RIVER

SAN GABRIEL RIVER

SCALE IN MILES

0 1 2 3

N

LEGEND

- LINES OF EQUAL FREE GROUND WATER ELEVATION (INTERPOLATED BETWEEN WELLS). LOCALLY THE WATER MAY BE UNDER PRESSURE.
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- FLOWING WELL
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES IMPROVED
- NATURAL CHANNEL

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	APR. 1960	GENERAL (ON BASE)	SAN GABRIEL VALLEY
	OCT. 1961	GENERAL (ON BASE)	GROUND WATER CONTOURS
			APRIL 1963

BASE MAP M.K.I.	DRAWN R.G.N. J.O. 5149	APPROVED	CHIEF ENGINEER		
PRESENTED C.F.R.	CHECKED E.D.J. C.G.G.				
SUBMITTED Howard L. Wall DIV. ENGR. WATER CONS.	RECOMMENDED A.E. Bennington ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE DEC. 1963	NO. 6-H 75 SHEET 1 OF 1	

MAP XIV

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER NOVEMBER 1961

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)

SCALE IN MILES

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	JAN. 1960	GENERAL (ON BASE)	
	SEPT. 1960	GENERAL (ON BASE)	
	OCT 1961	GENERAL (ON BASE)	
	MAY 1963	GENERAL (ON BASE)	

BASE MAP W.K.I.	DRAWN J.E.B.	APPROVED	CHIEF ENGINEER
PRESENTED C.F.R.	CHECKED E.R. C.C.G.		
SUBMITTED	RECOMMENDED	SCALE GRAPHIC	DATE APR. 1963
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.		NO. 2-H 174 SHEET 1 OF 1

MAP XV

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER APRIL 1962

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R.BULL.NO.45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)

SCALE IN MILES

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	JAN. 1960	GENERAL (ON BASE)	
	SEPT. 1960	GENERAL (ON BASE)	
	OCT 1961	GENERAL (ON BASE)	
	MAY 1963	GENERAL (ON BASE)	
△	FEB. 1964	5-FOOT GROUND WATER CONTOUR ADDED.	

BASE MAP M.K.I.	DRAWN J.E.B.	APPROVED	CHIEF ENGINEER
PRESENTED C.J.R.	CHECKED E.O.T. C.C.G.		
SUBMITTED	RECOMMENDED	SCALE	DATE
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.	GRAPHIC	APR. 1963

NO. 2-H 175
SHEET 1 OF 1

MAP XVI

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER NOVEMBER 1962

SANTA MONICA MOUNTAINS

LOS ANGELES

PACIFIC OCEAN

ORANGE COUNTY

LA MERCED HILLS

PUENTE HILLS

BALDWIN HILLS

DOMINGUEZ HILLS

PALOS VERDES HILLS

SAN PEDRO BAY

ALAMITOS BAY

SIGNAL HILL

ALHAMBRA

EL MONTE

BEVERLY HILLS

Beverly Gardens

WHITTIER NARROWS DAM

Whittier Narrows

Puente

Whittier

Montebello

Vernon

Maywood

Huntington Park

South Gate

Lynwood

Compton

Downey

Norwalk

Paramount

Bellflower

Artesia

Lakewood

North Long Beach

Long Beach

Culver City

Santa Monica

Venice

Marina Del Rey

Inglewood

Watts

El Segundo

Hawthorne

Athens

Manhattan Beach

Gardena

Hermosa Beach

Redondo Beach

Torrance

Wilmington

San Pedro

Recharge Line

Long Beach Drainage

Dominguez Gap

Free Ground Water Levels

Pressure Levels

Discontinuity

Ground Water Divide

Spreading Grounds

34°06'

34°00'

33°54'

33°48'

118°36'

118°24'

118°18'

118°12'

118°06'

SCALE IN MILES

0 1 2 3

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R. BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
△	FEB. 1964	5-FOOT GROUND WATER CONTOUR ADDED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BASE MAP M.K.I.	DRAWN R.G.M.	APPROVED	CHIEF ENGINEER
PRESENTED	CHECKED E.O.Z. C.C.G.		
SUBMITTED Howard N. Hale, DIV. ENGR. WATER CONS.	RECOMMENDED A.E. Bannington, ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE JULY 1963

NO. 2-H 177 SHEET 1 OF 1

MAP XVII 2-H 177

COASTAL PLAIN GROUND WATER CONTOURS SHALLOW AQUIFER APRIL 1963

LEGEND

- LINE OF EQUAL FREE GROUND WATER OR EQUAL PRESSURE ELEVATION
- SAME AS ABOVE - LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE GROUND WATER LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R.BULL.NO.45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE SHALLOW PRODUCING AQUIFERS. (RECENT AND UPPER PLEISTOCENE, AND ALONG SOME PERIPHERAL AREAS ALSO LOWER PLEISTOCENE)

SCALE IN MILES

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
△	FEB. 1964	5-FOOT GROUND WATER CONTOUR ADDED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BASE MAP M.R.I. — DRAWN R.G.M. — APPROVED — CHIEF ENGINEER

PRESENTED C.J.R. — CHECKED E.J.Z.

SUBMITTED — RECOMMENDED — DIV. ENGR. WATER CON'N — ASSIT. CHIEF DEP. ENGR.

SCALE GRAPHIC — DATE NOV. 1963 — NO. 2-H 180 SHEET 1 OF 1

MAP XVIII

COASTAL PLAIN GROUND WATER CONTOURS DEEP AQUIFER NOVEMBER 1961

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS—PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE—LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS — BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE — LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)

WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.

AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA

SCALE IN MILES

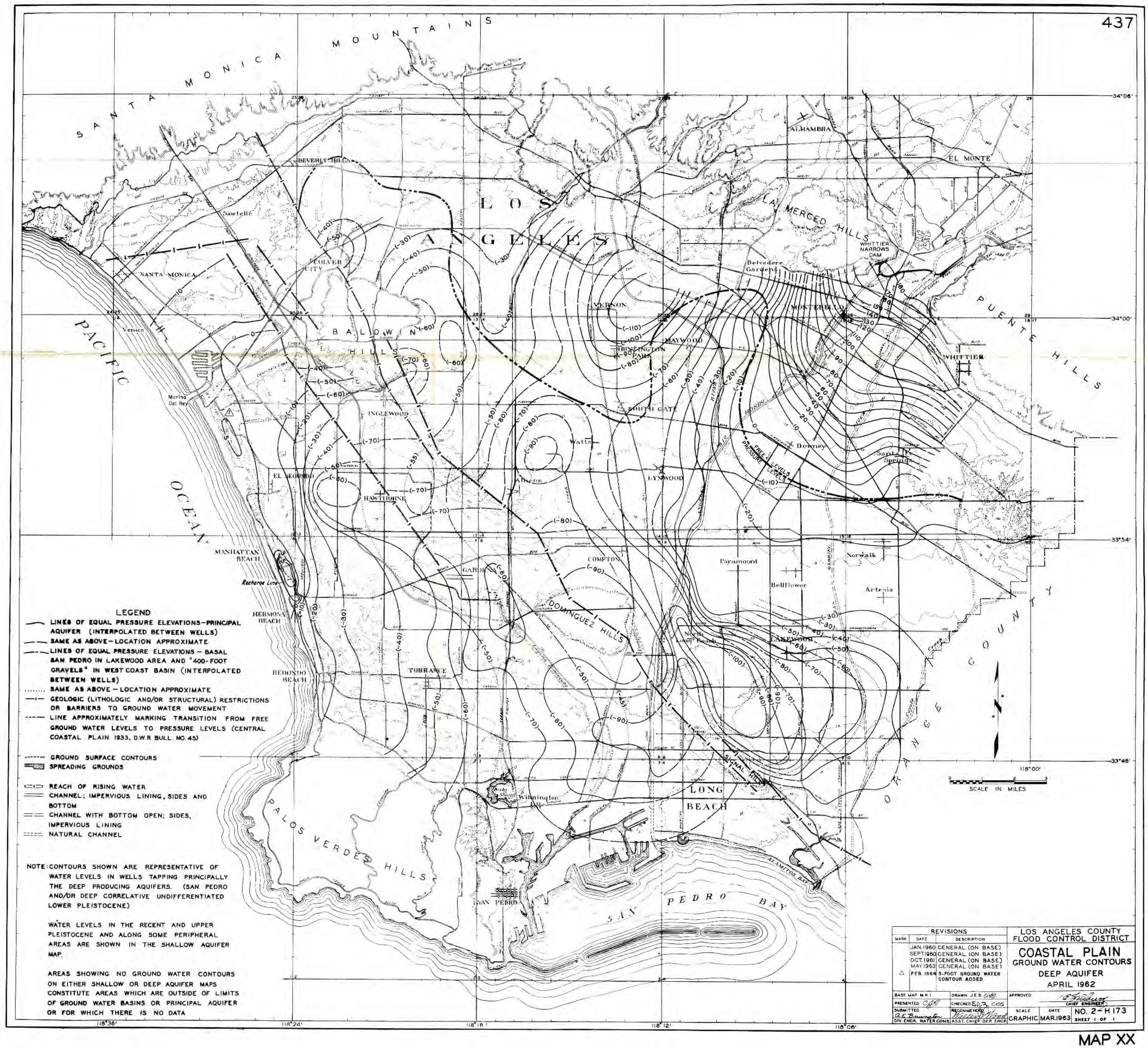
REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	AUG. 1962	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)

BASE MAP: M.K.I. | DRAWN: J.E.B. | CHECKED: C.S. | PRESENTED: C.G.R. | SUBMITTED: G.E. Bonnington, DIV. ENGR. WATER CONS. | RECOMMENDED: Walter E. Wood, ASST. CHIEF DEP. ENGR.

APPROVED: CHIEF ENGINEER

SCALE: GRAPHIC | DATE: SEPT. 1962 | NO. 2-H 158 | SHEET 1 OF 1

MAP XIX



LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS–PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE–LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS – BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE – LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)

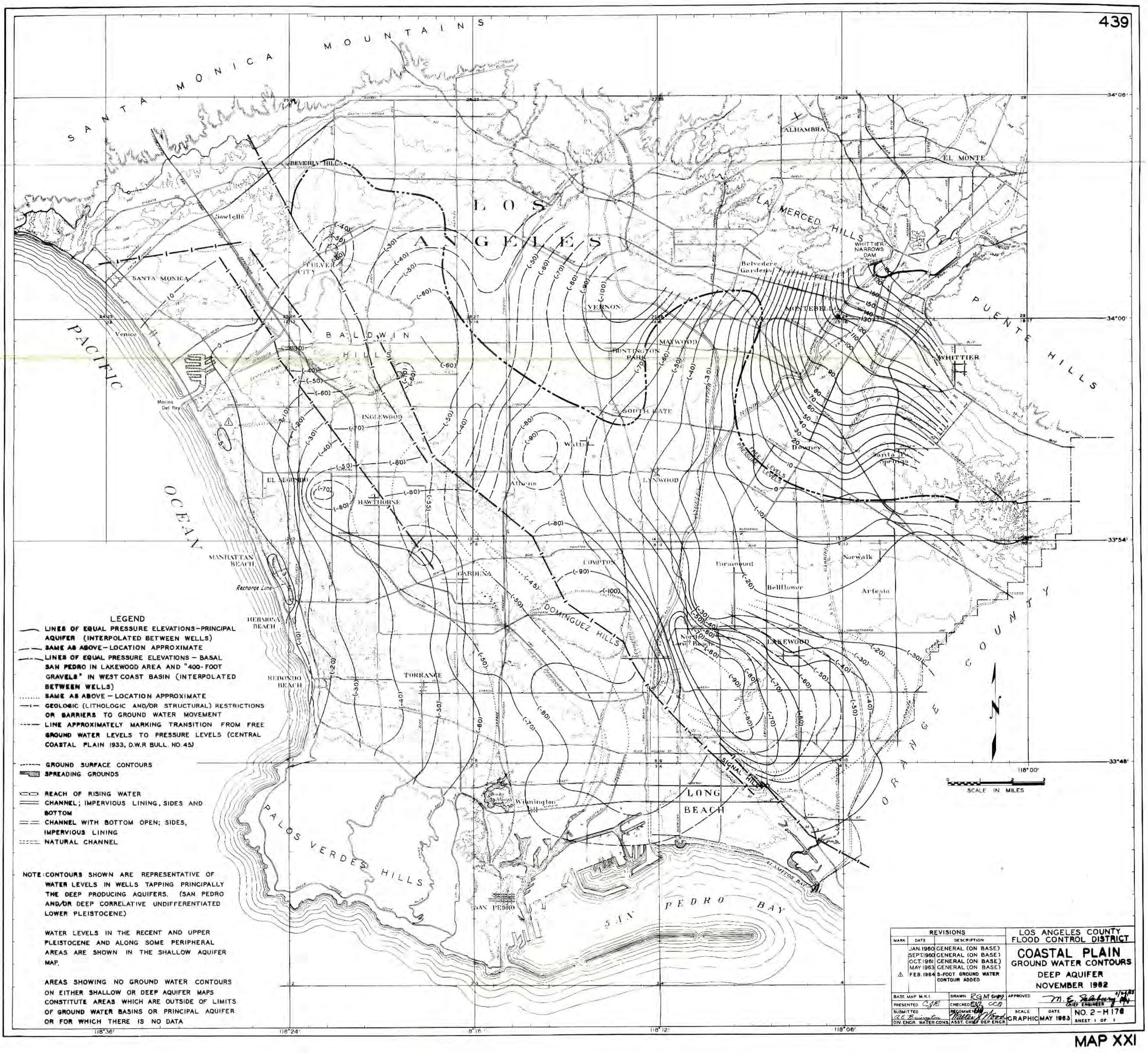
WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.

AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
	JAN. 1960	GENERAL (ON BASE)	COASTAL PLAIN
	SEPT 1960	GENERAL (ON BASE)	GROUND WATER CONTOURS
	OCT. 1961	GENERAL (ON BASE)	DEEP AQUIFER
	MAY 1963	GENERAL (ON BASE)	APRIL 1962
△	FEB. 1964	5-FOOT GROUND WATER CONTOUR ADDED	

BASE MAP M.K.I.	DRAWN J.E.B.	APPROVED	CHIEF ENGINEER
PRESENTED C.G.K.	CHECKED E.J.B. C.O.G.		
SUBMITTED A.E. Brungardt	RECOMMENDED Walter W. Wood	SCALE GRAPHIC	DATE MAR. 1963
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.		NO. 2-H 173 SHEET 1 OF 1

MAP XX



LEGEND

- LINES OF EQUAL PRESSURE ELEVATIONS—PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE—LOCATION APPROXIMATE
- LINES OF EQUAL PRESSURE ELEVATIONS — BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
- SAME AS ABOVE — LOCATION APPROXIMATE
- GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
- LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
- GROUND SURFACE CONTOURS
- SPREADING GROUNDS
- REACH OF RISING WATER
- CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
- CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
- NATURAL CHANNEL

NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE.)

WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.

AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA

REVISIONS		
MARK	DATE	DESCRIPTION
	JAN. 1960	GENERAL (ON BASE)
	SEPT. 1960	GENERAL (ON BASE)
	OCT. 1961	GENERAL (ON BASE)
	MAY 1963	GENERAL (ON BASE)
△	FEB. 1964	5-FOOT GROUND WATER CONTOUR ADDED

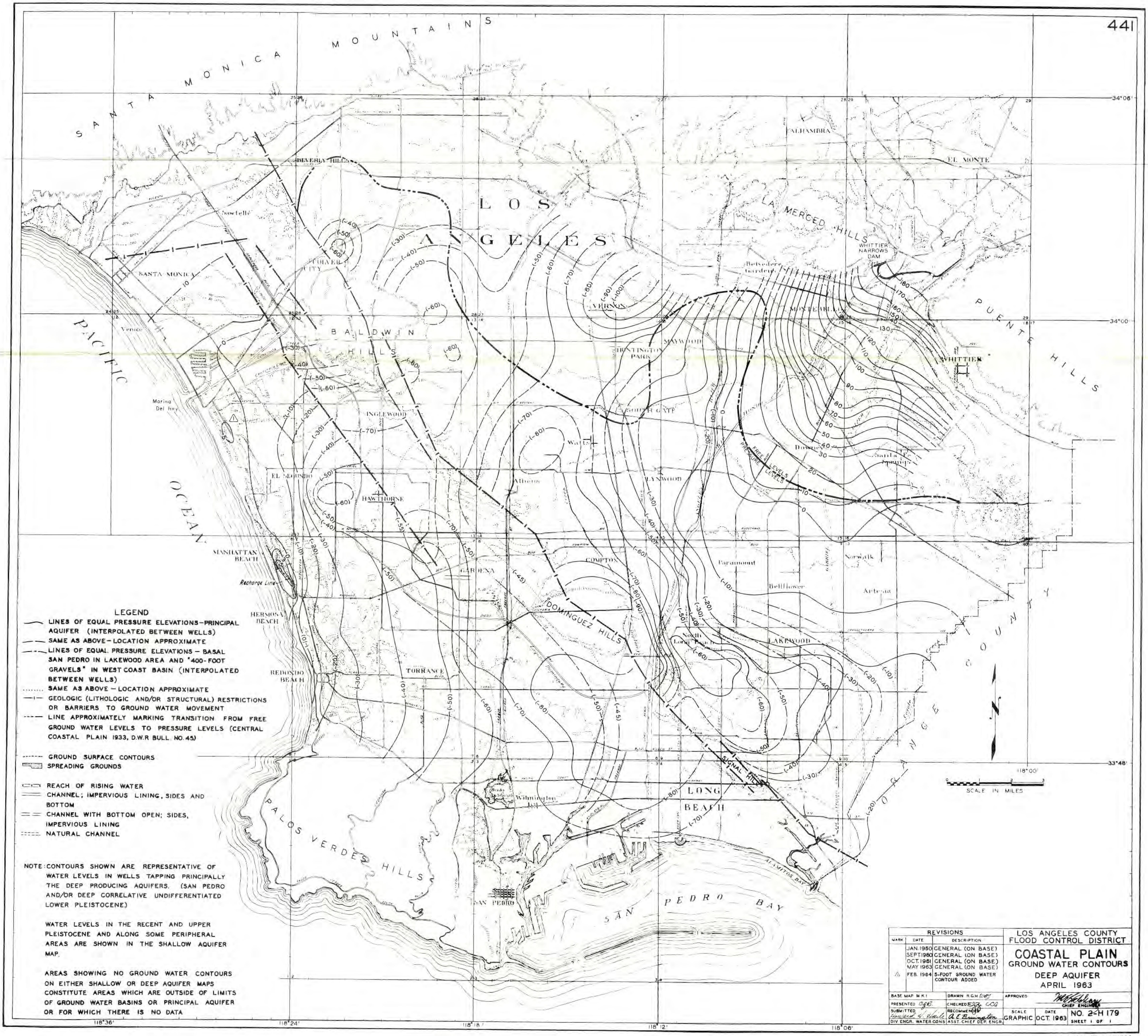
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
NOVEMBER 1962

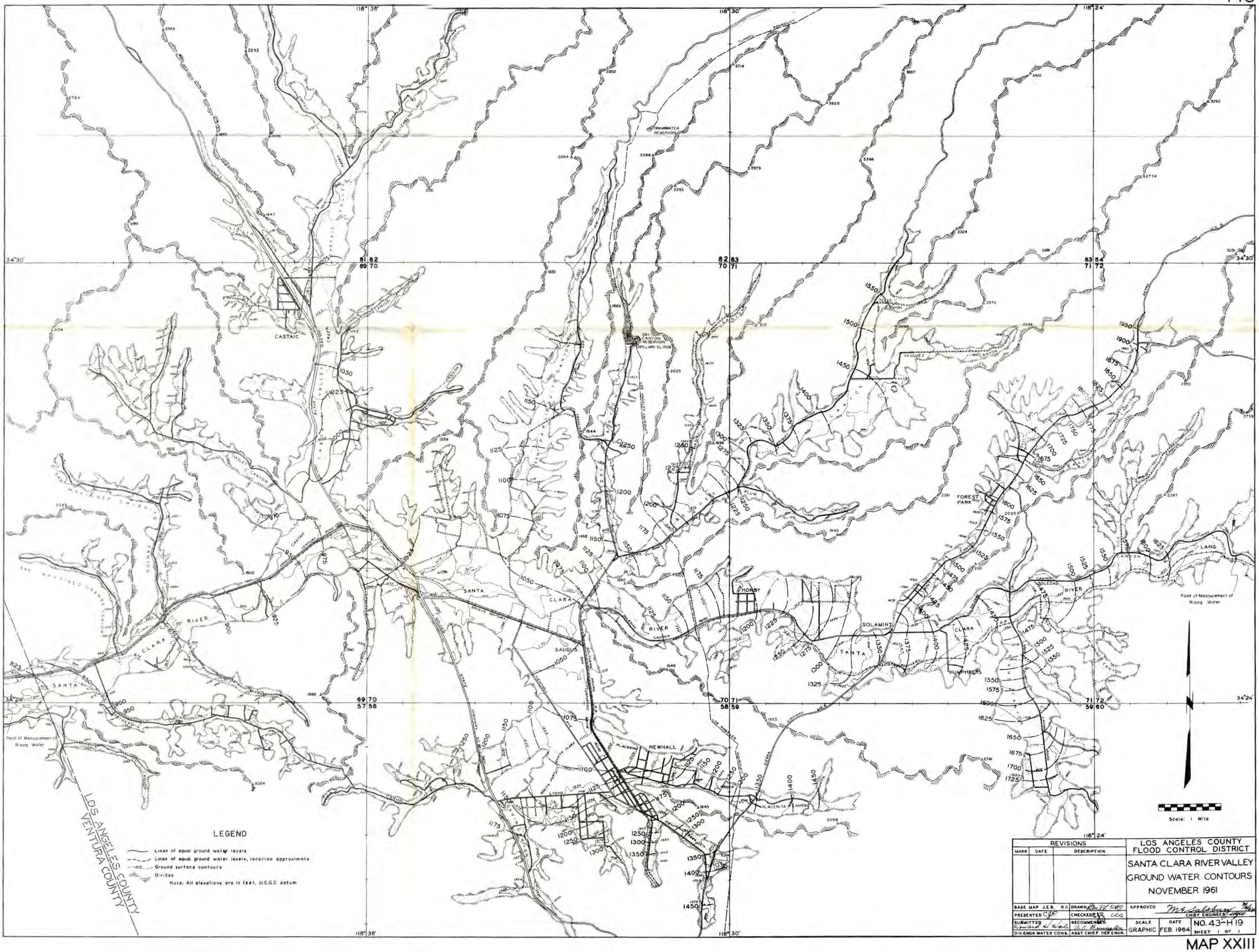
BASE MAP M.K.I.	DRAWN RGM	APPROVED M. E. Salsbury 4/27/64 CHIEF ENGINEER	
PRESENTED C.J.R.	CHECKED E.V.Z. C.C.S.		
SUBMITTED A.E. Bruington DIV. ENGR. WATER CONS.	RECOMMENDED Walter F. Wood ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE MAY 1963

NO. 2-H 178
SHEET 1 OF 1

MAP XXI

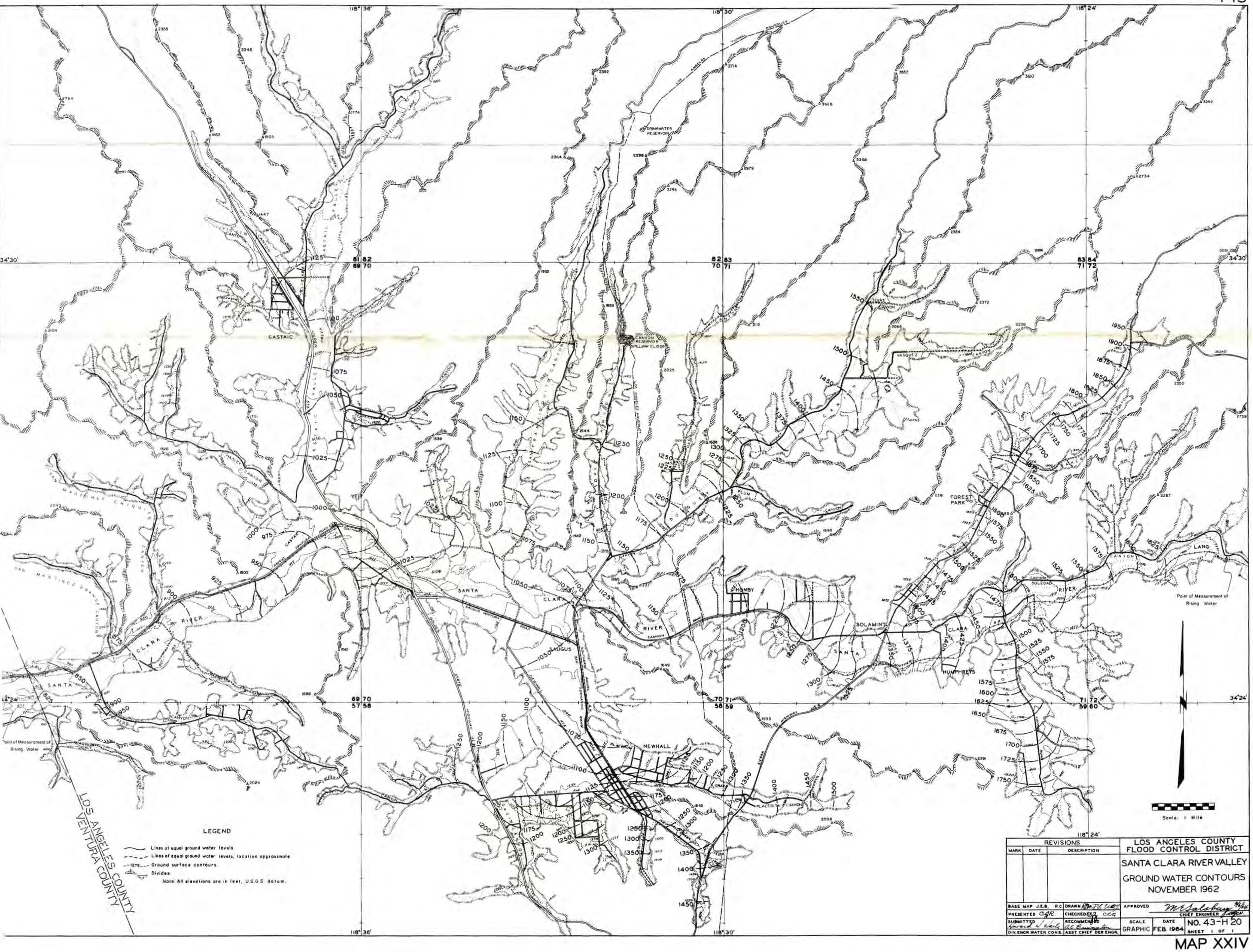

SANTA MONICA MOUNTAINS
LOS ANGELES
BEVERLY HILLS
Sawtelle
SANTA MONICA
CULVER CITY
Venice
BALDWIN HILLS
Marina Del Rey
INGLEWOOD
EL SEGUNDO
HAWTHORNE
MANHATTAN BEACH
Recharge Line
HERMOSA BEACH
REDONDO BEACH
TORRANCE
GARDENA
COMPTON
DOMINGUEZ HILLS
VERNON
HUNTINGTON PARK
MAYWOOD
BELL
SOUTH GATE
Watts
LYNWOOD
Paramount
Bellflower
Norwalk
Artesia
LAKEWOOD
North Long Beach
SIGNAL HILL
LONG BEACH
Wilmington
SAN PEDRO
SAN PEDRO BAY
ALAMITOS BAY
PALOS VERDES HILLS
PACIFIC OCEAN
ALHAMBRA
EL MONTE
LA MERCED HILLS
WHITTIER NARROWS DAM
Belvedere Gardens
MONTEBELLO
PUENTE HILLS
WHITTIER
Downey
Santa Fe Springs
FREE LEVELS
PRESSURE LEVELS
ORANGE COUNTY
(-30)
(-40)
(-50)
(-60)
(-70)
(-80)
(-90)
(-100)
(-45)
(-55)
(-20)
(-10)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
150
160
170
180
34°06'
34°00'
33°48'
118°00'
118°36'
118°24'
118°18'
118°12'
118°06'
SCALE IN MILES
0 1 2 3
LEGEND
LINES OF EQUAL PRESSURE ELEVATIONS—PRINCIPAL AQUIFER (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE—LOCATION APPROXIMATE
LINES OF EQUAL PRESSURE ELEVATIONS—BASAL SAN PEDRO IN LAKEWOOD AREA AND "400-FOOT GRAVELS" IN WEST COAST BASIN (INTERPOLATED BETWEEN WELLS)
SAME AS ABOVE—LOCATION APPROXIMATE
GEOLOGIC (LITHOLOGIC AND/OR STRUCTURAL) RESTRICTIONS OR BARRIERS TO GROUND WATER MOVEMENT
LINE APPROXIMATELY MARKING TRANSITION FROM FREE GROUND WATER LEVELS TO PRESSURE LEVELS (CENTRAL COASTAL PLAIN 1933, D.W.R BULL. NO. 45)
GROUND SURFACE CONTOURS
SPREADING GROUNDS
REACH OF RISING WATER
CHANNEL; IMPERVIOUS LINING, SIDES AND BOTTOM
CHANNEL WITH BOTTOM OPEN; SIDES, IMPERVIOUS LINING
NATURAL CHANNEL
NOTE: CONTOURS SHOWN ARE REPRESENTATIVE OF WATER LEVELS IN WELLS TAPPING PRINCIPALLY THE DEEP PRODUCING AQUIFERS. (SAN PEDRO AND/OR DEEP CORRELATIVE UNDIFFERENTIATED LOWER PLEISTOCENE)
WATER LEVELS IN THE RECENT AND UPPER PLEISTOCENE AND ALONG SOME PERIPHERAL AREAS ARE SHOWN IN THE SHALLOW AQUIFER MAP.
AREAS SHOWING NO GROUND WATER CONTOURS ON EITHER SHALLOW OR DEEP AQUIFER MAPS CONSTITUTE AREAS WHICH ARE OUTSIDE OF LIMITS OF GROUND WATER BASINS OR PRINCIPAL AQUIFER OR FOR WHICH THERE IS NO DATA
REVISIONS
MARK DATE DESCRIPTION
JAN. 1960 GENERAL (ON BASE)
SEPT. 1960 GENERAL (ON BASE)
OCT. 1961 GENERAL (ON BASE)
MAY 1963 GENERAL (ON BASE)
FEB. 1964 5-FOOT GROUND WATER CONTOUR ADDED
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
COASTAL PLAIN
GROUND WATER CONTOURS
DEEP AQUIFER
APRIL 1963
BASE MAP M.K.I
DRAWN R.G.M.
APPROVED
CHIEF ENGINEER
PRESENTED
CHECKED
SUBMITTED
DIV. ENGR. WATER CONS.
RECOMMENDED
ASST. CHIEF DEP. ENGR.
SCALE GRAPHIC
DATE OCT. 1963
NO. 2-H 179
SHEET 1 OF 1

MAP XXII



REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SANTA CLARA RIVER VALLEY GROUND WATER CONTOURS NOVEMBER 1961
BASE MAP J.E.B. R.C.	DRAWN	APPROVED	
PRESENTED	CHECKED	CHIEF ENGINEER	
SUBMITTED	RECOMMENDED	SCALE GRAPHIC	DATE FEB. 1964
DIV. ENGR. WATER CONS.	ASST. CHIEF DEP. ENGR.	NO. 43-H19	SHEET 1 OF 1

MAP XXIII

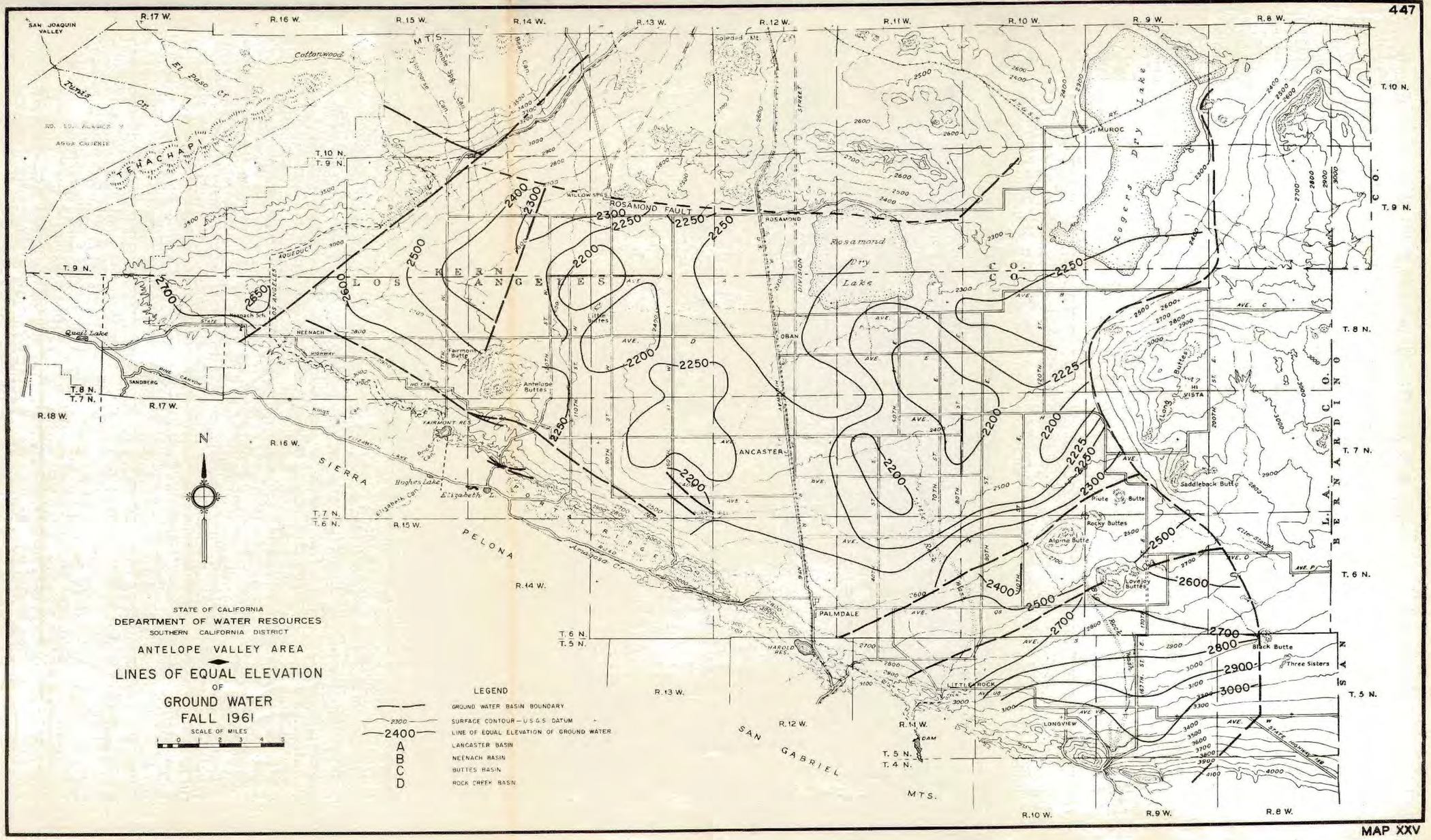


REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	SANTA CLARA RIVER VALLEY GROUND WATER CONTOURS NOVEMBER 1962

BASE MAP J.E.B. R.C.	DRAWN	APPROVED	M.R. Salsbury 3/1/63 CHIEF ENGINEER
PRESENTED C.G.R.	CHECKED C.C.G.		
SUBMITTED DIV. ENGR. WATER CONS.	RECOMMENDED ASST. CHIEF DEP. ENGR.	SCALE GRAPHIC	DATE FEB. 1964

NO. 43-H 20
SHEET 1 OF 1

MAP XXIV



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

ANTELOPE VALLEY AREA

LINES OF EQUAL ELEVATION OF GROUND WATER FALL 1961

SCALE OF MILES
0 1 2 3 4 5

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2300 — SURFACE CONTOUR — U.S.G.S. DATUM
- 2400 — LINE OF EQUAL ELEVATION OF GROUND WATER
- A LANCASTER BASIN
- B NEENACH BASIN
- C BUTTES BASIN
- D ROCK CREEK BASIN

MAP XXV

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
SOUTHERN CALIFORNIA DISTRICT

ANTELOPE VALLEY AREA

LINES OF EQUAL ELEVATION OF GROUND WATER FALL 1962

SCALE OF MILES
1 0 1 2 3 4 5

LEGEND

- GROUND WATER BASIN BOUNDARY
- 2300 — SURFACE CONTOUR — U.S.G.S. DATUM
- 2400 — LINE OF EQUAL ELEVATION OF GROUND WATER
- A — LANCASTER BASIN
- B — NEENACH BASIN
- C — BUTTES BASIN
- D — ROCK CREEK BASIN

MAP XXVI