

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

BIENNIAL REPORT
ON
HYDROLOGIC DATA

SEASONS OF 1951-52 AND 1952-53

APRIL 1, 1954

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

HYDRAULIC DIVISION

REPORT TO H. E. HEDGER, CHIEF ENGINEER

BIENNIAL REPORT

ON

HYDROLOGIC DATA

SEASONS 1951-52 AND 1952-53

PAUL BAUMANN, ASSISTANT CHIEF ENGINEER

FINLEY B. LAVERTY, CHIEF - HYDRAULIC DIVISION

APRIL 1, 1954

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

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TERMINAL ANNEX

LOS ANGELES 54, CALIFORNIA

2250 ALCAZAR STREET

LOS ANGELES

H. E. HEDGER
CHIEF ENGINEER

July 1, 1954

FILE NO. 2-20
SUBJECT Biennial Report on
Hydrologic Data
Seasons of 1951-52
and 1952-53

All Districts

Honorable Board of Supervisors
Los Angeles County Flood Control District
501 Hall of Records
Los Angeles 12, California

Gentlemen:

There is transmitted herewith for your files, the Los Angeles County Flood Control District's Biennial Report on Hydrologic Data for the Seasons of 1951-52 and 1952-53. This report is the nineteenth of a series of annual or biennial reports which have been published covering twenty-six years of record.

This report includes data collected and compiled by the District's Hydraulic Division on precipitation, evaporation, runoff, dam operation, ground water and water conservation. These data are basic for hydrologic study, planning, design and operation of flood control and conservation projects. The value of continuing the collection, compilation, and publication of this type of data cannot be overestimated due to its widespread use by the District and individuals.

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

Yours very truly,


H.E. Hedger, Chief Engineer

Los Angeles County Flood Control District
Hydraulic Division

April 1, 1954

2-20
Biennial Report on
Hydrologic Data
Seasons of 1951-52
and 1952-53

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

Dear Mr. Hedger:

Transmitted herewith is the "Biennial Report on Hydrologic Data" for the seasons 1951-52 and 1952-53. This report includes data collected and compiled by the Hydraulic Division of the District which are presented as follows:

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

Precipitation records include the monthly records of 480 stations in 1951-52 and 489 in 1952-53, of which 98% furnished complete seasonal records. Three hundred thirty-nine stations have a continuous record for fifteen years or longer, including 26 stations which have a continuous record for over fifty years.

Presented in this report are rainfall intensity records for ten representative automatic rain gage stations which show maximum amounts for periods varying from five minutes to 24 hours for the 1951-52 and 1952-53 seasons. Maximum amounts for short durations for all active District automatic stations for the period of record are also included.

Seasonal precipitation for the Los Angeles County was 172% of the 80-year average for the 1951-52 season and 64% for the 1952-53 season. The 1951-52 season, being the lone producer of above normal rainfall during the past nine years, was also the fourth wettest season of record.

Storm rainfall was not excessive during the 1951-52 season, except during the January 15th and 16th storm, and then only in the western portion of the County. No major storms were experienced during the 1952-53 season. Rainfall of 0.01 or more occurred at Los Angeles on 42 days during the 1951-52 season and on 35 days during the 1952-53 season.

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

	% of Normal	
	1951-52	1952-53
1. San Gabriel Mt. Area	152	55
2. Valley and Coastal Plain	170	52
3. Santa Monica Mountains	186	70
4. Desert Area	179	64

Snow surveys conducted about April 1, both seasons, showed a good snow pack for 1951-52 and a light snow pack for 1952-53. The Ice House No. 3 course, at 8000 feet elevation, averaged a snow depth of 121 inches in 1951-52 and 64 inches in 1952-53. Density averaged about 47%.

Map III, page 43, presents the 80-year Normal Isohyetal Map. Normal rainfall amounts are recomputed at the end of each five-year period as longer records and additional stations in sparse areas make each map more refined and of greater authenticity. Table IX, page 37, presents seasonal indices for the 81 years of record for selected areas throughout the County.

Evaporation records were received each month from 24 stations in 1951-52 and 23 stations in 1952-53. Maximum evaporation for both seasons occurred at Fairmont in Antelope Valley and amounted to 98.10 inches in 1951-52 and 99.12 inches in 1952-53. Minimum amounts of 39.24 inches and 41.48 inches for 1951-52 and 1952-53, respectively, occurred at La Fresa near Gardena. Table XI, page 49, presents monthly and seasonal summary for period of record for all active and inactive evaporation stations.

Runoff records presented include stream flow measurements, mean daily runoff, and storm hydrographs compiled from the District's water stage recorders. Table XIII, page 356, presents "Yearly Discharge Summary" for all stations for all years of record.

During 1951-52 and 1952-53, the District operated 87 recording stream flow stations located on main streams and tributary channels. Twenty-eight of these stations are in the Los Angeles River drainage area, 26 are in the San Gabriel River drainage area, 17 are located in the Rio Hondo drainage area and 16 are located in the remaining important drainage areas. Records obtained from these stations are supplemented by the records of the 13 stations operated by the U.S. Geological Survey, Water Resources Branch, and three stations operated by the "Survey" in cooperation with the Los Angeles District, Corps of Engineers. These are also included in this publication. Coopera-

tive assistance was given by the District in making measurements at these stations, while the District, in turn, received cooperation at several District stations from the Corps of Engineers.

Generally, runoff from storm peaks during the 1951-52 and 1952-53 seasons was average or below average. The exception to this was the January 15-16, 1952, storm which produced peak flows in the western end of the County that, in some instances, approached or exceeded the March 1938 flood peaks. The intense, localized March 1952 storm produced the peak flow of record at Malibu Creek near Crater Camp, Station No. F130-R.

Since seasonal runoff reflected seasonal rainfall, it was above average for the 1951-52 season and below average for the 1952-53 season. The San Gabriel River, above the canyon mouth, produced 170,900 acre-feet, or 150% of average, for the 1951-52 season and 33,640 acre-feet, or 29% of average, for the 1952-53 season.

Dam operation data, included in this report, show daily reservoir water surface elevation, storage, and amount of inflow and outflow for 14 dams operated by the District. These dams control 409 square miles of mountain drainage with a total controlled storage of 87,963 acre-feet at spillway lip elevation.

Two tabulations giving pertinent data for the seasons for four debris dams and 26 debris basins, owned and operated by the District, are included in this report.

Reclamation of storage capacity in District reservoirs and debris basins during these seasons, obtained by sluicing and excavation operations, amounted to 509,122 cubic yards in 1951-52 and 424,270 cubic yards in 1952-53.

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

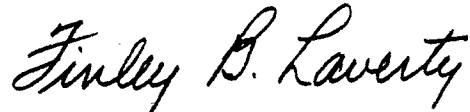
Special consideration has been given to the formation of water conservation zones in areas where ground water levels have reached critically low levels. Zone I, within the Central Coastal Basin, was formed on January 29, 1952, and initial studies were begun on a proposed zone in the West Coast Basin.

Conservation by means of reservoir and channel absorption amounted to 227,650 acre-feet in this biennial period. Off-channel spreading grounds made it possible to save an additional 124,040 acre-feet of water by introduction into the ground water body.

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

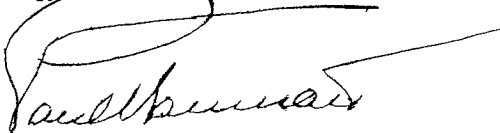
The Division wishes to express its appreciation to the many observers, individuals and agencies who have cooperated and furnished data to help make this report as complete as possible.

Respectfully submitted,



Finley B. Laverty
Chief, Hydraulic Division

Recommended



Paul Baumann
Assistant Chief Engineer

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GAGING STATION RECORDS

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F152-R	ALISO WASH	at Nordhoff Street	71
U 1-R	ARROYO SECO	above Mouth of Canyon	74
P277-R	ARROYO SECO	below Devil's Gate Dam	77
F298-R	BALLONA CREEK	at Curson Avenue	79
F294-R	BALLONA CREEK	at Sepulveda Boulevard	82
F38B-R	BALLONA CREEK	at Sawtelle Boulevard	82
F293-R	BALLONA CREEK	below Culver Boulevard	86
F282-R	BALLONA CREEK	at Pacific Avenue	86
F120B-R	BIG DALTON CREEK	below Big Dalton Dam	86
U 9-R	BIG DALTON CREEK	near Mouth of Canyon	88
F202-R	BIG DALTON CREEK	at Sierra Madre Avenue	90
F274-R	DALTON WASH	at Merced Avenue	92
F111C-R	BIG TUJUNGA CREEK	below Mill Creek	95
F168-R	BIG TUJUNGA CREEK	below Big Tujunga Dam	99
F213-R	BIG TUJUNGA CREEK	above Gold Canyon	102
E20C-R	TUJUNGA WASH	at Glen Oaks Boulevard	106
F105B-R	TUJUNGA WASH	below Moorpark Street	108
F106-R	TUJUNGA WASH-CENTRAL BRANCH	at Magnolia Boulevard	111

GAGING STATION RECORDS (cont'd)

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F108-R	CASTAIC CREEK	at Highway 126	118
F302-R	COMPTON CREEK	at 120th Street	121
F37B-R	COMPTON CREEK	near Greenleaf Drive	124
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U 2-R	EATON CREEK	above Mouth of Canyon	138
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F104-R	EATON WASH	at Temple City Boulevard	141
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F149-R	LIMEKILN CREEK	at Devonshire Avenue	152
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L 1-R	LITTLE ROCK CREEK	above Little Rock Dam	158
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F34C-R	LOS ANGELES RIVER	at Firestone Boulevard	181
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F83-R	MISSION CREEK	at San Gabriel Boulevard	196
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F195-R	MONROVIA STORM DRAIN	at Peck Road	202
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P 4B-R	SAN GABRIEL RIVER-EAST FORK	above Forks	257
F250-R	SAN GABRIEL-AZUSA CONDUIT	at Weir below San Gabriel Dam	261
F220-R	SAN GABRIEL-AZUSA CONDUIT	at Garcia Canyon	263
U 8-R	SAN GABRIEL RIVER	below Morris Dam	265
S100A-R	SAN GABRIEL-AZUSA-DUARTE TUNNEL DIVERSION	at Mouth of Canyon	268
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E281-R	SAN GABRIEL RIVER	below Santa Fe Dam	272
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F263B-R	SAN GABRIEL RIVER	at Beverly Boulevard	275
F262-R	SAN GABRIEL RIVER	at Florence Avenue	279
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F295-S	BIG ROCK CREEK	above Rising Water	331
F183-S	BIG ROCK CREEK	at Palmdale-Victorville Road	332
F284-S	BOUQUET CREEK	1.5 miles above Texas Canyon	332
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F196-S	PACOIMA CREEK	at McClay Avenue	334
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F122-S	PALLETTE CREEK	at Big Rock Creek	335
F101-S	SAN DIMAS CREEK	at Toe of San Dimas Dam	335
F289-S	SANDROCK CREEK	at Pearblossom Highway	335
F306-S	SAN JOSE CREEK	at Nogales Avenue	336
F308-S	SANTA FE CHANNEL	at Head of Buena Vista Channel	336
F272-S	SANTA MONICA CREEK	above Rustic Canyon	336
F55-S	SANTA MONICA CREEK	below Rustic Canyon	336
F125-S	SANTIAGO CREEK	above Little Rock Creek	337
E286-S	TUJUNGA WASH	below Hansen Dam	337
F105B-S	TUJUNGA WASH	above Los Angeles River	337
F291-S	VALYERMO RANCH SPRINGS CREEK	at Pearblossom Highway	338

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PRECIPITATION RECORDS

PRECIPITATION

FOREWORD

This report, which contains precipitation data for the seasons 1951-52 and 1952-53, represents the twenty-fourth and twenty-fifth of similar seasonal reports in summarized form. It is published to provide current basic data for reference and to inform interested public and private agencies and individuals of further precipitation data which may be found in the District's files.

The District's "season" includes the period between October 1st and September 30th, which conforms with the water year used by the United States Geological Survey, Water Resources Branch.

Time used is watch time. Daylight saving time in which the clock was advanced one hour for the periods April 27, 1952 to September 28, 1952 and April 26, 1953 to September 27, 1953 was observed. Pacific Standard Time was used for the balance of the periods.

SEASON 1951-52

Seasonal precipitation in Los Angeles County average 28.42 inches for the 1951-52 season which was 175% of the 80-year normal and the fourth wettest season of record. After seven consecutive seasons of below normal precipitation, this is the first to exceed the normal of 16.25 inches for the County area. The season's precipitation, as compared with the 80-year normal for various representative stations, is shown in the tabulation under "Comparative Rainfall" on page 6.

Isohyetals for the 1951-52 season are shown on map I, page 39.

Abnormal, but not necessarily record-breaking storms, occurred in the County on January 15-16 and January 17-18. These storms are included in a report "Flood of January 15-18, 1952", by Mr. Burke of the Hydraulic Division, where a reference copy is on file. Included in this report are mass curves of rainfall, isohyetal maps for each storm, a tabulation giving recurrence interval in years for each storm, and a table of measured rainfall versus normal rainfall by months prior to the storms.

A short-time rainfall of high intensity occurred at Bel Air Hotel in the Santa Monica Mountains on January 15th which produced 1.43 inches in one hour, 1.13 inches in 30 minutes, 0.63 inch in ten minutes and 0.43 inch in five minutes. Intensity of rainfall has been picked and tabulated for durations of from five minutes to 24 hours from 69 District-owned automatic gage records and several privately owned automatic gage records for this season. These are on file in the Hydraulic Division of the District.

Precipitation of 0.01 inch or more fell on 56 days at Opid's (Camp Hi Hill) in the mountains, and on 42 days at Los Angeles in the valley area.

Snow surveys were made on about the first of April at eight district snow courses. Icehouse No. 3 course at elevation 8000 feet in the San Antonio Drainage area had an average snow depth of 120.6 inches, while Islip No. 4 course at elevation 7570 feet in the Big Rock Drainage area had an average snow depth of 114.9 inches.

Temperatures ranged from 19°F to 100°F at Opid's, and from 35°F to 96°F at Los Angeles.

SEASON 1952-53

Seasonal precipitation in the County returned to below normal in 1952-53 with an average of 10.05 inches which was 64% of the 80-year normal for various representative stations as shown in the tabulation under "Comparative Rainfall" on page 6 .

Isohyetals for the 1952-53 season are shown on map II, page 41.

The major storm for the season occurred from November 14-16 with relatively low intensities.

Precipitation for the County by the end of November was 167% of normal; and by the end of December was 140% of normal; from the end of January, and for the balance of the season, totals were below normal.

Precipitation of 0.01 inch or more fell on 37 days at Opid's (Camp Hi Hill) in the mountains, and on 35 days at Los Angeles in the valley.

Snow surveys were made on about the first of April at eight District snow courses. Maximum average snow depth of 64.2 inches was found on the Icehouse No. 3 course at elevation 8000 feet in the San Antonio Drainage Basin.

Temperatures ranged from 27°F to 104°F at Opid's, and 38°F to 98°F at Los Angeles. Los Angeles experienced the third warmest January of record with an average of 60.6°F.

Winds reached a maximum of 40 miles per hour at the San Gabriel River outlet on March 1, 1953.

There was no appreciable damage within the County for the season as a result of precipitation, extreme temperatures or wind conditions.

DISTRIBUTION OF RAIN GAGES

Location and distribution of gages are important factors in the value of precipitation data. Consideration is given to topography, structures, and vegetation in locating rain gages, due to the effect obstruction and wind have on the precipitation catch. Distributed throughout 3952 square miles of the County area, the District received records from 571 and 585 rain gages of various types at the end of the 1952 and 1953 seasons, respectively. There is a better distribution of gages in the valley and foothill areas than in the mountains due to the availability of observers. Station locations are shown on maps I and II, pages 39 and 41, and table VIII, page 31.

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

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

Season 1926-27	79
Season 1952-53	489

The following tabulation indicates that 75% of the stations from which the District received records had been in operation for 15 years or more:

	15 to 49 years		50 years and over	
	1951-52	1952-53	1951-52	1952-53
Continuous records - active	198	202	23 ^{a/}	23 ^{a/}
Broken records - active and inactive	127	127		
Adjacent to Los Angeles County	10	10	3	3
Total	335	339	26	26

Annual inspection trips were made in the late summer and fall of 1951 and 1952, at which times the location and condition of each gage was checked, observers were briefed on the operation of standard and automatic rain gages, anemometers, thermometers and thermographs, hygrothermographs, barographs, evaporation measurements, and snow depths and water content in snow pack, so as to obtain the most complete and accurate records possible. Supplies for each entire season were furnished each observer, and equipment was adjusted and repaired or replaced where necessary. Co-operative observers and new stations were located at various locations, such as in recently burned areas.

Where observers are available, automatic recording rain gages are located by the District in areas which will furnish the most representative intensity data for rainfall analyses and computations. During the 1952-53 season, 37 of these District gages were in the San Gabriel mountains and foothills, 18 in other mountain and foothill areas and 18 in the valley areas, coastal plain and desert. In general, each automatic gage is operated in conjunction with a standard 8-inch U.S.W.B. type gage placed about four feet from, and with the collector ring at the same elevation as, the automatic gage. The standard gage measured amount is used in all tabulations except rainfall intensities.

USES OF PRECIPITATION DATA

1. In operation of District dams, debris dams, debris basins, spreading grounds and pumping plants.
2. In water conservation studies.
3. In calculation of flood flows for design purposes.
4. In determining rainfall frequency and intensity-duration curves.

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

5. In snow pack as related to water content and runoff studies.
6. Court cases.
7. By public and private agencies for flood control, irrigation and water supply, or related investigations.

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

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

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

SOURCE AND NUMBER OF RECORDS

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

RAIN GAGE OWNERSHIP AND TYPE

NUMBER OF GAGES

SEASONS	1951	1952	1951	1952
	52	53	52	53

a. Los Angeles County Flood Control District

Standard 8" diameter	269	283
Non-recording Special 8.81" diameter	14	14
Storage type	8	11
Automatic Fergusson Type 9" capacity	31	31
Automatic Fergusson Type 12" capacity	16	16
Automatic Universal Type 12" capacity	4	9
Automatic Friez Type 30" capacity	1	1
Automatic Friez Type 12" capacity	8	8
Automatic Stevens Type Q12" capacity	6	5
Automatic Stevens Type Q24" capacity	2	2
Automatic Fuller Type 3" capacity	1	1

Totals

360 380

	SEASONS	1951	1952	1951	1952
b. Outside Agencies and Individuals		52	53	52	53
Standard 8" diameter		150	143		
Various types, non-recording		7	8		
Automatic - various sizes and types		54	54		
Totals				211	205
Total Number of Rain Gages				571	585
Less Stations with Standard and Automatic Gages				91 _b /	96 _b /
Total Stations from which District receives records				480	489

The District owned 63% of all gages in 1951-52 and 65% in 1952-53, from which records were received each month. The remaining gages are privately owned as shown above and are cooperative with the District.

COMPLETE SEASONAL REPORTS

	Season	1951-52	1952-53
Flood Control District Stations		283 _c /	298 _c /
Private Stations		186	181
Total		469	479

The preceding tabulation shows the number of stations which furnish complete records, or records which could be completed by estimates from adjacent stations for not more than 10% of the total seasonal amount. Thus, out of 480 stations reporting in 1951-52 and 489 stations reporting in 1952-53, 98% furnished complete records for each season.

Table I, page 8, represents a complete list of automatic rain gages which were active during the 1951-52 and 1952-53 seasons with length of active record included.

AVERAGE RAINFALL INDICES FOR LOS ANGELES COUNTY

Table IX, page 37, represents the 80th and 81st years of seasonal indices in Los Angeles County and selected areas within the County. Seasonal indices are the ratios of seasonal rainfall to seasonal 80-year normal expressed as a percentage. Indices furnish a more convenient and satisfactory measure for comparing seasonal rainfall in different localities than do the actual amounts expressed in inches. The County indices have been obtained by computing the weighted average indices of seven representative areas in the County. The indices of each area were obtained by averaging the indices of representative long term stations, known as master stations, for the area.

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

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

It should be understood that these indices are relative only, and are not applicable to any specific area in the County, being derived from data reflecting valley, mountain and desert conditions. Isohyets for the 80-year seasonal normal are shown on Map III, page 43, of this report. These maps have been prepared at five-year intervals since 1942.

COMPARATIVE RAINFALL

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

COMPARISON OF SEASONAL RAINFALL BY STATIONS

Sta. No.	Station Name	Elev. of Gage	80-year Normal Inches	Years Record	1951-52 Inches	1951-52 % of 80-year	1952-53 Inches	1952-53 % of 80-year
21	Brant Ranch - Girard	891	14.46	41	26.96	186	10.68	74
32C-E	Newhall	1243	17.64	26	32.56	185	11.06	63
53D	Colby's Ranch	3675	31.04	56	46.17	149	12.94	42
57B-E	Opid's (Camp Hi Hill)	4250	41.53	36	66.59	160	19.94	48
60A	Hoegge's (Camp Ivy)	2750	42.60	28	59.20	139	23.61	55
121B	Lancaster High School	2360	6.96	30	11.16	160	8.50	122
224B	Long Beach	150	12.86	59	16.48	128	9.10	71
338A	Mt. Wilson	5650	37.09	49	57.17	154	20.98	57
577E	Los Angeles	417	15.41	81	26.98	175	9.19	60
587	San Antonio Ch. P.H.#1	2500	28.04	49	39.46	141	16.96	60
610B	Pasadena	864	20.45	81	36.75	180	13.85	68

MAXIMUM AND MINIMUM RAINFALL

The following tabulation presents maximum and minimum rainfall amounts in Los Angeles County for the period of this report, using 5 P.M. standard gage readings only:

Sta. No.	Station Name	Minimum Seasonal 1951-52	Minimum Seasonal 1952-53	Maximum Seasonal 1951-52	Maximum Seasonal 1952-53	Maximum Day 1951-52	Maximum Day 1952-53	Date
X12	Wilsona - Fitch	9.12						
57B-E	Opid's (Camp Hi Hill)			66.59				
58	Sturtevant Camp					7.87		1/16
750	Palmdale - C.A.A.A.C.		3.57					
60A	Hoegge's (Camp Ivy)				23.61		2.86	12/2

Maximum and minimum rainfall since 1872 at the Los Angeles Weather Bureau Station was 38.18 inches in 1883-84 and 5.51 inches in 1898-99 respectively; and computed at Opid's in the mountains, the extremes for the same period give 98.84 inches in 1883-84 and 10.96 inches in 1876-77.

Table II, page 10, shows a comparison of maximum intensities for ten representative stations in the District during the 1951-52 and 1952-53 seasons and the maximum intensities of record.

Table III, page 11 , show maximum intensities of record for all active District-owned automatic rain gage stations.

Table IV, pages 15 to 17 , presents daily rainfall amounts for selected stations during the 1951-52 season.

Table V , pages 18 to 20 , presents daily rainfall amounts for selected stations during the 1952-53 season.

Table VI , page 21 , presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1951-52 season.

Table VII, page 26 , presents monthly and seasonal rainfall amounts for stations from which the District received records during the 1952-53 season.

SUMMARY OF SNOWFALL

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

Sta. No.	Station Name	Elev.	Season		Maximum of Record	Season	Length of Record in Years
			1951-52	1952-53			
82D	Table Mountain	7500	201	92	201	1951-52	27
83	Big Pines Recreation Camp	6860	191	80	231	1943-44	28
283B	Crystal Lake-East Pine Flat	5770	136	51	173	1943-44	22

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

Snow survey Course	Elev.	Date	Average		Average		Average	
			Depth in Inches	Water Content Inches	Depth in Inches	Water Content Inches	Depth in Inches	Water Content Inches
San Antonio No. 2	8400	3/28/52	91.4	37.5	3/27/53	23.3	12.0	
Upper Ice House Cr. No. 3	8000	3/31/52	120.6	40.8	3/30/53	32.9	15.3	
Islip No. 3	7600	4/3/52	110.5	45.7	3/31/53	24.3	11.7	

COOPERATION OF RAINFALL OBSERVERS

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

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

RESPONSIBILITY

The field work and the collection and compilation of rainfall and evaporation data contained in this report was under the immediate supervision of Paul A. Haig, in charge, Precipitation and Evaporation Section, with the assistance of E.N. Spencer to November 1952 and A.P. Kasimoff subsequent to November 1952.

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

TABLE I
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT GAGES
ACTIVE AUTOMATIC RAIN GAGES
SEASON 1951 - 52

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
6	TOPANGA PATROL STATION	747	FERGUSSON 9"	TOPANGA CANYON	8/18/30 TO DATE
10	BEL AIR HOTEL	540	" 9"	BALLONA CREEK	1/4/29 TO DATE***
11C	UPPER FRANKLIN CANYON RESERVOIR	867	" 9"	FRANKLIN CANYON	9/29/37 TO DATE
15	VAN NUYS - CITY WAREHOUSE	695	" 9"	LOS ANGELES RIVER	8/18/30 TO DATE
33A'-E	PACOIMA DAM	1500	" 9"	PACOIMA CANYON	9/22/30 TO DATE
46D-E	BIG TUJUNGA DAM NO. 1	2315	STEVENS 12"	BIG TUJUNGA CANYON	12/9/40 TO DATE
47C	CLEAR CREEK	3125	FERGUSSON 12"	BIG TUJUNGA CANYON	11/2/28 TO DATE
52C	WATERMAN GUARD STATION	3290	" 12"	ARROYO SECO	1/15/26 TO DATE
53D	COLBY'S	3675	" 12"	BIG TUJUNGA CANYON	4/19/26 TO 1/1928 6/30/37 TO 12/26/40 2/14/41 TO DATE
54B	LOOMIS RANCH - ALDER CREEK	4025	" 9"	BIG TUJUNGA CANYON	11/24/31 TO DATE (1)
57B-E	OPID'S	4250	" 12"	SAN GABRIEL, WEST FORK	12/14/25 TO DATE***
60A	HOEGEE'S	2750	" 12"	BIG SANTA ANITA CANYON	11/11/26 TO DATE
63B-E	BIG SANTA ANITA DAM	1400	UNIVERSAL 12"	BIG SANTA ANITA CANYON	2/24/50 TO DATE
69B	SAWPIT CANYON - HOGBACK	1775	FERGUSSON 12"	SAWPIT CANYON	11/28/50 TO DATE
70B	ROGER'S CANYON - GOEDERT	790	" 9"	SAN GABRIEL RIVER	12/4/26 TO DATE
83	BIG PINES RECREATION PARK	6860	" 12"	MESCAL CREEK & SWARTOUT VALLEY	12/17/25 TO DATE***
85D	CAMP BALDY GUARD STATION	4300	" 12"	SAN ANTONIO CANYON	11/11/27 TO DATE***
89-E	SAN DIMAS DAM	1350	UNIVERSAL 12"	SAN DIMAS CANYON	2/27/50 TO DATE
92	CLAREMONT - POMONA COLLEGE	1190	FERGUSSON 9"	SANTA ANA RIVER	12/2/27 TO DATE
108B	EL MONTE - FIRE STATION	301	" 9"	RIO HONDO	10/11/38 TO DATE
116C	INGLEWOOD - FIRE STATION	155	" 9"	LAGUNA DOMINGUEZ	2/26/48 TO DATE
121B	LANCASTER - HIGH SCHOOL	2360	UNIVERSAL 12"	MOHAVE DESERT	4/30/52 TO DATE
156	LA MIRADA - STANDARD OIL CO.	86	STEVENS 12"	COYOTE CREEK	4/19/46 TO DATE
178	AZUSA - GRIFFITH	545	FERGUSSON 9"	SAN GABRIEL RIVER	1/1/31 TO DATE
179D	SIERRA MADRE - CARTER	1300	" 9"	RIO HONDO	6/24/41 TO DATE
191B	LOS ANGELES - ALCAZAR	400	FULLER FLOAT TYPE 3"	LOS ANGELES RIVER	6/27/52 TO DATE
201	PUNTE HILLS - ALTA MIRA RANCH	860	FERGUSSON 9"	SAN JOSE CREEK	9/15/38 TO 11/2/38 12/19/40 TO DATE
210B	BRAND PARK	1250	STEVENS 12"	LOS ANGELES RIVER	12/27/28 TO DATE
213C	LOS ANGELES - HANCOCK PARK	175	FERGUSSON 9"	LOS ANGELES RIVER	1/15/29 TO DATE
235	HENNINGER FLATS	2550	FRIEZ 12"	EATON CANYON	1/2/30 TO DATE
257	GRIFFITH PARK NURSERY	750	FERGUSSON 9"	BALLONA CREEK	11/12/30 TO DATE
259C	CHATSWORTH PATROL STATION	1254	" 9"	LOS ANGELES RIVER	8/17/37 TO DATE
261B-E	ACTON - ESCONDIDO CANYON	2920	" 9"	SANTA CLARA RIVER	11/27/30 TO DATE***
280B	FLINTRIDGE FIRE STATION	1325	" 9"	ARROYO SECO	7/26/30 TO DATE
283B	CRYSTAL LAKE - EAST PINE FLAT	5770	STEVENS 24"	SAN GABRIEL, NORTH FORK	11/26/35 TO DATE
291	LOS ANGELES - 96TH AND CENTRAL	121	FERGUSSON 9"	LOS ANGELES RIVER	10/6/30 TO DATE
303F	PASADENA - CAL TECH	795	" 9"	ALHAMBRA WASH	12/13/30 TO DATE
334B-E	(SAN GABRIEL DAM #2) COGSWELL DAM	2330	" 12"	SAN GABRIEL, WEST FORK	1/14/32 TO DATE
338B	MOUNT WILSON - AIRWAYS STATION	5709	" 12"	SAN GABRIEL AND SANTA ANITA CANYONS	3/4/32 TO DATE***
352	LECHUZA PATROL STATION	1530	" 9"	ARROYO SEQUIS AND TRANCAS CANYONS	11/28/34 TO DATE***
356B	SPADRA - PACIFIC COLONY	685	" 9"	SAN JOSE CREEK	3/30/38 TO DATE***
367	HAINES CANYON - UPPER	3450	FRIEZ 30"	BIG TUJUNGA CANYON	1/13/33 TO DATE
372	SAN FRANCISQUITO POWER HOUSE #2	1580	FERGUSSON 9"	SANTA CLARA RIVER	5/25/44 TO DATE
373	BRIGGS TERRACE	2310	FRIEZ 12"	VERDUGO WASH	11/28/33 TO DATE
379B	SAN GABRIEL - EAST FORK	1600	" 12"	SAN GABRIEL - EAST FORK	12/8/37 TO 8/1938 2/14/46 TO DATE
380	EL SERENO	553	FERGUSSON 9"	LOS ANGELES RIVER	11/1/34 TO DATE
415	SIGNAL HILL - CITY HALL	125	" 9"	SOUTH COASTAL	3/15/37 TO DATE***
425B-E	(SAN GABRIEL DAM #1) SAN GABRIEL DAM	1481	" 12"	SAN GABRIEL RIVER	11/3/37 TO DATE
433	ALTADENA - FARNSWORTH PARK	1710	" 9"	RUBIO CANYON	9/14/38 TO DATE
434	MALIBU DIVISION HEADQUARTERS	800	" 9"	MEDEA CREEK	10/27/43 TO DATE
435	MONTE NIDO	600	" 9"	MALIBU CREEK	11/19/43 TO DATE
444B	ROLLING HILLS-PALOS VERDES HILLS	482	FRIEZ 12"	BIXBY SLOUGH	7/13/48 TO DATE
445B	LIVE OAK DAM	1510	STEVENS 12"	LIVE OAK CANYON	3/20/40 TO DATE
446	ALISO CANYON - SANTA SUSANA MTS.	2367	FRIEZ 12"	LOS ANGELES RIVER	7/2/49 TO DATE***
449B	EATON DAM	875	UNIVERSAL 12"	EATON WASH	10/31/50 TO DATE
466B	PACOIMA CANYON - DUTCH LOUIE CN.	3225	FERGUSSON 12"	PACOIMA CANYON	1/16/41 TO DATE
470	TUJUNGA - MILL CREEK	46 00	FRIEZ 12"	BIG TUJUNGA	10/18/41 TO 10/28/49 7/9/51 TO DATE ***
477B	SANTA ANITA-SPRING CAMP	4715	STEVENS 24"	SANTA ANITA CANYON	11/25/41 TO DATE
466B	COLDWATER CANYON - WIDMAN RANCH	3865	FERGUSSON 12"	SAN GABRIEL - EAST FORK	9/22/43 TO DATE
492	CHILAO - STATE HWY. MAINT. STA.	5275	" 12"	SAN GABRIEL RIVER, WEST FORK	10/10/44 TO DATE
495	LOS ANGELES - 8TH & FIGUEROA	335	FULLER FLOAT TYPE 3"	LOS ANGELES RIVER	7/7/44 TO 6/27/52
517B	ANDERSEN RANCH	4700	FERGUSSON 9"	PALLETT CREEK	12/17/43 TO DATE
1006	SAN PEDRO CITY RESERVOIR	150	" 9"	SAN PEDRO BAY	3/7/46 TO DATE
100B-E	LA FRESA - S.C.E. CO. SUBSTATION	65	FRIEZ 12"	LAGUNA DOMINGUEZ	8/29/46 TO DATE
1010B	PALMER CANYON - PARKS	2150	" 12"	THOMPSON CREEK	12/19/46 TO DATE
1013B	TUJUNGA CANYON ABOVE GOLD CANYON	1650	STEVENS 12"	BIG TUJUNGA CANYON	9/29/47 TO DATE
1014B-E	RIO HONDO SPREADING GROUNDS	155	FERGUSSON 9"	RIO HONDO	11/14/51 TO DATE
1017	LITTLE ROCK CR. ABOVE SANTIAGO CR.	3330	STEVENS 12"	LITTLE ROCK CANYON	8/6/48 TO DATE
1034	SANTA CLARA RIVER - 65 AIRPARK	1350	FRIEZ 12"	SANTA CLARA RIVER	4/19/50 TO DATE
X6	ENCINO	1240	FERGUSSON 12"	LOS ANGELES RIVER	11/3/44 TO DATE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
ACTIVE AUTOMATIC RAIN GAGES
SEASON 1952 - 1953

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
6	TOPANGA PATROL STATION	747	UNIVERSAL 12"	TOPANGA CANYON	10/2/52 TO DATE
68B	SAWPIT DAM	1400	" 12"	SAWPIT CREEK	11/20/52 TO 7/20/53
96B-E	PUDDINGSTONE DAM	1030	" 12"	PUDDINGSTONE CREEK	10/14/52 TO DATE
210B	BRAND PARK	1250	STEVENS 12"	LOS ANGELES RIVER	12/27/28 - 12/10/52
223B-E	BIG DALTON DAM	1575	UNIVERSAL 12"	BIG DALTON CANYON	10/14/52 TO DATE
425B-E	SAN GABRIEL DAM	1481	" 12"	SAN GABRIEL RIVER	7/20/53 TO DATE
453B	DEVIL'S GATE DAM	1090	" 12"	ARROYO SECO	11/20/52 TO 9/15/53
1035	WHITTIER-WOOD	280	FERGUSSON 9"	SAN GABRIEL RIVER	10/27/52 TO DATE
1060	LITTLE ROCK - SYCAMORE CAMP	3925	FRIEZ 12"	LITTLE ROCK CREEK	7/21/53 TO DATE
1061	SPINKS CANYON	1025	UNIVERSAL 12"	SAN GABRIEL RIVER	9/15/53 TO DATE

LEGEND

(1) - - - - PREVIOUS RECORD BY U.S.W.B. MARVIN GAGE FROM DECEMBER 1916 TO NOVEMBER 24, 1931.
 *** - - - - HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN, SOUTH PACIFIC DISTRICT, AND HOURLY PRECIPITATION DATA, FOR CALIFORNIA FROM OCTOBER 1, 1951.
 SUFFIX B, C, DENOTE SECOND AND THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY SAME CONDITIONS.
 SUFFIX -E DENOTES EVAPORATION PAN AT STATION.
 NOTE: THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.
 SEASON 1952-53 IDENTICAL WITH SEASON 1951-52 WITH EXCEPTION OF STATION NOS. 6, 68B, 96B-E, 210B, 223B-E, 425B-E, 453B, 495, 1035, 1060 AND 1061.

TABLE I
PRIVATE ACTIVE AUTOMATIC RAIN GAGES
SEASONS 1951 - 1952

FC NO.	NAME OF STATION	ELEV. OF GAGE	TYPE AND CAPACITY	WATERSHED	PERIOD OF RECORD
23-E	CHATSWORTH RESERVOIR	865	FRIEZ 12"	LOS ANGELES RIVER	12/4/45 TO DATE *** **
87	SAN DIMAS GUARD STATION	1500	STEVENS FLOAT GAGE 6"	SAN DIMAS CREEK	12/11/25 TO 11/23/26 10/1942 TO DATE **
124B	BOUQUET CANYON RESERVOIR	3000	STEVENS 9"	BOUQUET CANYON AND SANTA CLARA RIVER	11/11/31 TO DATE *
139	LOS ANGELES WATER DEPARTMENT	385	LEITZ 5.5"	LOS ANGELES RIVER	12/22/38 TO DATE *
140B	SAWTELLE	230	FRIEZ 12"	BALLONA CREEK	10/9/51 TO DATE*
157B	EL SEGUNDO - STANDARD OIL COMPANY	150	FRIEZ 12"	WEST COASTAL	6/15/48 TO DATE
158	TANBARK FLATS	2750	FERGUSSON 12"	SAN DIMAS CREEK	1/16/29 TO DATE** * **
228B	BEVERLY HILLS - CITY HALL	790	" 9"	BALLONA CREEK	10/14/31 TO DATE
237B	STONE CANYON RESERVOIR	725	FRIEZ 12"	STONE CANYON	9/23/47 TO DATE*
269B	DIAMOND BAR RANCH - HORSE CAMP	760	" 12"	BREA CANYON	12/3/41 TO DATE *** **
311 D	PASADENA METEOROLOGICAL STATION	918	FRIEZ TIPPING BUCKET	ARROYO SECO	10/1/38 TO DATE*
357	SAN FERNANDO POWER HOUSE #3	1246	FRIEZ 12"	UPPER SAN FERNANDO RESERVOIR	12/4/45 TO DATE*** **
407	NEWHALL - U.S.F.S. HEADQUARTERS	1325	" 12"	SANTA CLARA	12/1949 TO DATE *** *
419	SANTA CLARA RIDGE - MT. GLEASON	5450	" 30"	PACOIMA CANYON AND SANTA CLARA	9/21/37 TO 7/8/52
436B	HANSEN DAM	1005	STEVENS 12"	TUJUNGA WASH	10/30/40 TO DATE*** **
465B	SEPULVEDA DAM	675	FRIEZ 12"	LOS ANGELES RIVER	10/23/45 TO DATE *** **
471	LITTLE TUJUNGA - GOLD CREEK	2750	US C OF E (SPECIAL) UNLIMITED	LITTLE TUJUNGA	10/30/41 TO DATE *** **
565B	LONG BEACH - 1607 SAN FRANCISCO ST.	11	UNIVERSAL 12"	SOUTH COASTAL	11/8/24 TO DATE
577E	LOS ANGELES - 6TH AND MAIN STREETS	417	FRIEZ 12"	LOS ANGELES RIVER	2/19/97 TO DATE *** **
577F	LOS ANGELES - U.S.W.B. (FEDERAL BLDG.)	548	FRIEZ TIPPING BUCKET	LOS ANGELES RIVER	3/1/40 TO DATE *** *
683	SUNSET RIDGE GUARD STATION	2110	FRIEZ 12"	ARROYO SECO AND LOS ANGELES RIVER	10/16/45 TO DATE*
723	STONE CANYON - SAN FERNANDO VALLEY	875	STEVENS FLOAT 9"	LOS ANGELES RIVER	10/1943 TO DATE*
724	BIG DALTON - MONROE CN. - FLUME X	1775	STEVENS 6"	BIG DALTON CANYON	3/15/39 TO DATE**
725	BIRMINGHAM HOSPITAL	722	FRIEZ 12"	LOS ANGELES RIVER	8/4/44 TO DATE*** **
726	ANGELES CREST - U.S.F.S. GUARD STA.	2300	" 12"	ARROYO SECO AND LOS ANGELES RIVER	10/16/45 TO DATE
735	BELL CANYON - PLATT RANCH	915	" 12"	LOS ANGELES RIVER	1/15/46 TO DATE***
740B	SAN DIMAS CANYON - FERN CANYON	5200	FERGUSSON 12"	SAN DIMAS CREEK	10/12/36 TO DATE**
741	SAN DIMAS CANYON - UPPER EAST FORK	2750	STEVENS 6"	SAN DIMAS CREEK	10/4/34 TO DATE**
747	SANDBERG AIRWAYS	4517	FRIEZ 12"	SANTA CLARA RIVER	4/2/32 TO DATE*** *
749	BURBANK - U.S.W.B. (AIRPORT)	699	" 12"	LOS ANGELES RIVER	9/20/31 TO DATE*** **
750	PALMDALE - C.A.A.A.C. STATION	2536	" 12"	MOHAVE DESERT	1/1/34 TO DATE*** **
755	GRIFFITH PARK - LITTLE CANYON	900	" 12"	LOS ANGELES RIVER	9/4/47 TO DATE*
756	GRIFFITH PARK - UPPER SPRING CANYON	1200	" 12"	LOS ANGELES RIVER	9/2/47 TO DATE*
757	GRIFFITH PARK - FERN DELL	800	" 12"	BALLONA CREEK	9/4/47 TO DATE*
758	GRIFFITH PARK - LOWER SPRING CANYON	625	" 12"	LOS ANGELES RIVER	9/3/47 TO DATE*
759	HOLLYWOOD - 1736 COURTNEY AVENUE	422	" 12"	BALLONA CREEK	9/11/47 TO DATE*
760	STUDIO CITY - 3913 GOODLAND AVENUE	680	" 12"	LOS ANGELES RIVER	10/3/47 TO DATE*
762	UPPER STONE CANYON	925	" 12"	BALLONA CREEK	9/4/47 TO DATE*
766	MANDEVILLE CANYON - FIRE ROAD #24	1625	" 12"	SEPULVEDA CANYON	9/5/47 TO DATE*
769	SANTA YNEZ CN. - TEMESCAL FIRE RD. #30	1980	" 12"	SANTA YNEZ CANYON	9/5/47 TO DATE*
770	SANTA YNEZ CN. - PASEO MIRAMAR	700	" 12"	SANTA YNEZ CANYON	9/11/47 TO DATE*
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	265	" 12"	RUSTIC CANYON	9/10/47 TO DATE*
772	L.A. - ECHO PARK AND LUCRETIA	475	STEVENS 12"	BALLONA CREEK	9/15/47 TO DATE*
774	SARLOW SANITARIUM	423	RATIONAL 8"	LOS ANGELES RIVER	12/19/47 TO DATE*
775	L.A. - 6TH AND CROCKER STREETS	249	FRIEZ 12"	LOS ANGELES RIVER	9/12/47 TO DATE*
779	GRIFFITH PARK - LOWER MINERAL WELLS	625	" 12"	LOS ANGELES RIVER	11/1947 TO DATE*
780	GRIFFITH PARK - UPPER MINERAL WELLS	1025	" 12"	LOS ANGELES RIVER	11/5/47 TO DATE*
783	COOM CANYON	1258	LEUPOLD L 6"	ARROYO SECO	10/1948 TO DATE*
786	FIRE DEPT. - ELYSIAN PARK	700	FRIEZ 12"	LOS ANGELES RIVER	9/1948 TO DATE*
801	MAGIC MOUNTAIN	4450	US C OF E (SPECIAL) UNLIMITED	PACOIMA CANYON	3/19/47 TO DATE*
803	STONE CANYON RESERVOIR	625	FRIEZ 12"	BALLONA CREEK	9/22/48 TO DATE*
805	2771 ROWENA AVENUE	435	" 12"	LOS ANGELES RIVER	9/30/49 TO DATE*
806	2376 TEVIOT STREET	565	" 12"	LOS ANGELES RIVER	9/20/49 TO DATE*
1041B	SANTA FE DAM	427	" 9"	SAN GABRIEL RIVER AND RIO HONDO	10/24/45 TO DATE*** *

PRIVATE ACTIVE AUTOMATIC RAIN GAGES
SEASON 1952 - 1953

210B	BRAND PARK	1250	FRIEZ 30"	LOS ANGELES RIVER	12/10/52 TO DATE
577E	L.A. - 6TH AND MAIN STREETS	417	" 12"	LOS ANGELES RIVER	2/19/97 TO 7/9/53***
715B	LOS ANGELES - P. O. TERMINAL BUILDINGS	282	" 12"	LOS ANGELES RIVER	8/12/53 TO DATE***
750	PALMDALE - C.A.A.A.C. STATION	2536	" 12"	MOHAVE DESERT	1/1/34 TO 3/27/53***
1058	PALMDALE 2NE	2583	" 12"	MOHAVE DESERT	3/27/53 TO DATE***

LEGEND

* CHARTS OR REPRODUCTIONS ARE NOT IN DISTRICT FILES.
 ** DISTRICT HAS SOME AUTOMATIC CHARTS.
 *** HOURLY AMOUNTS PUBLISHED IN U.S.W.B. HYDROLOGIC BULLETIN, SOUTH PACIFIC DISTRICT, AND HOURLY PRECIPITATION DATA FOR CALIFORNIA FROM OCTOBER 1, 1951.
 SUFFIX A, B, C DENOTES FIRST, SECOND, OR THIRD LOCATION OF STATION IN SAME LOCALITY UNDER NEARLY THE SAME CONDITIONS.
 SUFFIX -E INDICATES EVAPORATION PAN AT STATION.
 NOTE: THE DISTRICT ALSO HAS RECORDS OF SEVERAL AUTOMATIC GAGES AT STATIONS WHICH ARE NOW INACTIVE. THESE RECORDS ARE AVAILABLE IN THE DISTRICT'S FILES.

SEASON 1952-53 IDENTICAL WITH SEASON 1951-52 WITH EXCEPTION OF STATIONS 210B, 419B, 577E, 715B, 750 AND 1058.

TABLE II
COMPARATIVE MAXIMUM RAINFALL INTENSITIES IN INCHES
SEASONS 1951-52, 1952-53 AND MAXIMUM OF RECORD FOR SELECTED STATIONS

		#577E USWB 6TH AND MAIN LOS ANGELES		#15 VAN NUYS LAWD WAREHOUSE		#176 AZUSA GRIFFITH		#425B SAN GABRIEL DAM		#261B ACTON ESCONDIDO CN.		#6 TOPANGA CANYON		#92 POMONA COLLEGE CLAREMONT		#57B OPID'S (CAMP HI HILL)		#60A HOEGEES (CAMP IVY)		#303F CAL TECH PASADENA	
		1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD	1951- 1952	MAX. OF RECORD
5 MIN.	AMT. DATE	.17 ⁰⁰ 1/12	.44 1/14/08	.15 3/15	.33 12/15/38	.17 1/16	.32 2/11/36	.19 2/29	.60 4/5/26	.10 12/5	.29 8/26/35	.17 3/15	.50 1/22/43	.18 4/19	.40 12/6/46	.15 1/16	1.17 4/5/26	.16 1/12	.43 12/27/36	.21 11/20	.32 3/3/43
10 MIN.	AMT. DATE	.25 3/15	.66 2/18/14	.20 3/15	.43 1/8/40	.28 1/16	.40 11/11/44	.27 1/16	.62 4/5/26	.14 12/5	.41 8/26/35	.19 3/15	.70 2/20/41	.26 4/19	.46 12/6/46	.27 1/16	1.18 4/5/26	.29 1/16	.57 12/27/36	.28 11/20	.44 3/3/43
15 MIN.	AMT. DATE	.30 3/15	.81 2/18/14	.24 11/20	.50 12/17/40	.36 1/16	.53 11/11/44	.35 1/16	.68 4/5/26	.19 12/5	.44 8/26/35	.28 1/15	.91 2/20/41	.32 4/19	.50 9/29/46	.33 1/16	1.18 4/5/26	.42 1/16	.69 12/27/36	.35 1/16	.60 3/3/43
30 MIN.	AMT. DATE	.49 11/20	1.12 2/18/14	.32 11/20	.88 12/28/41	.50 1/16	.77 10/17/34	.70 ⁰⁰ 1/15	.96 4/5/26	.26 12/5	.66 10/1/32	.54 1/15	1.16 2/20/41	.44 12/29	.72 9/29/46	.53 10/25	1.52 4/5/26	.70 1/16	1.06 3/4/43 ⁰	.52 1/16	1.08 3/3/43
1 HR.	AMT. DATE	.58 ⁰⁰ 1/15	1.51 2/18/14	.56 1/17	1.26 12/28/41	.63 1/16	1.10 10/17/34	1.10 ⁰⁰ 1/15	1.25 1/22/43	.34 12/5	.93 ⁰⁰ 8/24/35	.90 1/15	2.51 ⁰⁰ 1/22/43	.62 12/29	.94 1/22/43	.92 1/16	2.21 4/5/26	1.15 1/16	1.73 12/21/45	.76 1/15	1.70 3/3/43
2 HRS.	AMT. DATE	.86 ⁰⁰ 1/15	1.99 2/18/14	.96 1/15	1.50 1/22/43	.83 1/16	1.73 10/17/34	1.94 ⁰⁰ 1/15	2.34 1/22/43	.58 1/17	1.48 ⁰⁰ 8/24/35	1.58 1/15	3.44 ⁰⁰ 1/22/43	.92 12/29	1.63 1/22/43	1.68 1/15	3.83 4/5/26	2.10 1/15	2.88 3/4/43 ⁰	1.37 1/15	2.36 3/4/43 ⁰
3 HRS.	AMT. DATE	1.16 ⁰⁰ 1/17	2.28 2/18/14	1.37 1/15	2.13 1/22/43	1.13 3/7	2.34 1/1/34 ⁰	2.76 ⁰⁰ 1/15	3.28 1/22/43	.73 1/17	1.48 ⁰⁰ 8/24/35	2.08 1/15	4.14 ⁰⁰ 1/22/43	1.20 12/29	2.27 12/31/33	2.38 1/15	4.95 3/2/38	3.05 1/15	4.00 3/2/38	1.87 1/15	3.02 12/31/33
4 HRS.	AMT. DATE	1.51 ⁰⁰ 1/17	2.63 2/18/14	1.72 1/15	2.67 1/22/43	1.39 3/7	2.79 1/1/34 ⁰	3.25 ⁰⁰ 1/15	4.32 1/22/43	.89 1/15	1.57 1/22/43	2.70 1/15	5.09 ⁰⁰ 1/22/43	1.50 12/29	2.96 1/22/43	2.83 1/15	6.16 3/2/38	3.75 1/15	5.38 3/2/38	2.51 1/15	3.80 12/31/33
5 HRS.	AMT. DATE	1.84 ⁰⁰ 1/17	3.06 3/2/38	2.10 1/15	3.13 1/22/43	1.67 3/7	2.98 1/1/34 ⁰	3.64 ⁰⁰ 1/15	5.30 1/22/43	1.06 1/17	1.82 1/22/43	3.30 1/15	5.46 ⁰⁰ 1/22/43	1.80 12/29	3.25 1/22/43	3.36 1/15	7.24 3/2/38	4.30 1/15	6.48 1/22/43	3.03 1/15	4.55 12/31/33
12 HRS.	AMT. DATE	3.33 ⁰⁰ 1/17	4.91 3/2/38	3.04 1/17	5.29 1/1/34 ⁰	3.23 3/6	6.00 1/1/34 ⁰	5.36 ⁰⁰ 1/15	10.05 1/22/43	2.02 1/17	3.14 1/23/43 ⁰	6.30 1/15	9.69 12/31/33	3.17 12/29	4.55 3/2/38	6.15 1/15	13.38 3/2/38	6.55 1/15	13.36 1/23/43 ⁰	4.78 1/15	7.98 12/31/33
24 HRS.	AMT. DATE	4.21 ⁰⁰ 1/17	7.36 1/1/34 ⁰	4.48 1/17	8.13 1/22/43 ⁰	3.70 3/7	10.85 1/1/34 ⁰	6.44 ⁰⁰ 1/15	17.81 1/23/43 ⁰	2.42 1/17	4.44 1/23/43 ⁰	8.40 1/15	13.44 1/1/34 ⁰	4.25 12/29	7.92 1/1/34 ⁰	8.57 1/15	22.00 1/23/43 ⁰	8.25 1/15	26.12 1/23/43 ⁰	5.51 1/15	11.26 1/1/34 ⁰
STORM TOTAL	AUTO. DATE	8.07 1/15	8.27 12/30/33- 1/18	8.72 1/15	INC. 1/21/43- 1/18	5.66 12/28	12.51 12/30/33- 1/1/34	10.48 ⁰⁰ 1/15	24.07 1/21/43- 1/23/43	4.12 1/15	6.45 1/21/43- 1/18	INC. 1/16	INC. 1/23/43	4.98 12/28	10.70 1/21/43	9.24 1/16	32.45 1/23/43	11.88 1/18	37.42 1/23/43	10.88 1/18	13.64 1/21/43
STD.	AMT. DATE	9.67 3/2/84- 3/10/84		8.67 1/15	11.31 1/21/43- 1/18			11.29 1/15	25.08 12/17/21- 1/18	4.16 1/15	6.56 1/21/43- 1/18	9.30 1/14	17.38 1/21/43- 1/16	5.08 1/15	11.03 2/10/27	9.34 1/15	33.95 12/18/21	12.16 1/15	37.34 1/21/43	10.41 1/15	13.86 1/21/43

		1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53	1952- 53
5 MIN.	AMT. DATE	.21 11/15	.16 11/15	.18 11/15	.20 12/1	.06 11/15	.28 11/15	.21 12/1	.15 11/15	.12 11/7	.24 11/15	
10 MIN.	AMT. DATE	.33 11/15	.28 11/15	.31 11/15	.26 12/1	.10 11/15	.33 11/15	.24 12/1	.22 11/15	.20 11/15	.28 11/15	
15 MIN.	AMT. DATE	.39 11/15	.39 11/15	.37 11/15	.31 12/1	.13 11/15	.35 11/15	.26 12/1	.28 11/15	.25 11/15	.32 11/15	
30 MIN.	AMT. DATE	.46 11/15	.55 11/15	.50 11/15	.45 12/1	.22 11/15	.58 11/15	.36 12/1	.46 12/1	.40 11/14	.52 11/15	
1 HR.	AMT. DATE	.65 11/15	.84 11/15	.65 11/15	.77 12/1	.42 11/15	.88 11/15	.57 12/1	.88 12/1	.73 11/14	.73 11/15	
2 HRS.	AMT. DATE	.94 11/15	1.24 11/15	.94 11/15	1.40 12/1	.60 11/15	1.23 11/15	.78 12/1	1.47 12/1	1.12 11/14	1.08 11/15	
3 HRS.	AMT. DATE	1.00 11/15	1.49 11/15	1.04 11/15	1.52 12/1	.71 11/15	1.37 11/15	.92 11/15	1.72 12/1	1.38 11/14	1.35 11/15	
4 HRS.	AMT. DATE	1.04 11/15	1.52 11/15	1.07 11/15	1.68 12/1	.74 11/15	1.42 11/15	1.02 11/15	1.86 12/1	1.51 11/14	1.41 11/15	
5 HRS.	AMT. DATE	1.04 11/15	1.54 11/15	1.08 11/15	1.70 12/1	.76 11/15	1.44 11/15	1.06 11/15	1.97 12/1	1.55 3/19	1.42 11/15	
12 HRS.	AMT. DATE	1.28 11/15	1.77 11/15	1.38 11/15	1.94 12/1	.83 12/20	1.65 11/15	1.08 11/15	2.42 12/1	2.17 3/19	1.69 11/15	
24 HRS.	AMT. DATE	1.72 11/14	2.24 11/14	1.94 11/14	2.05 11/14	1.14 11/14	2.53 11/14	1.34 11/14	2.84 11/14	2.62 11/14	2.42 11/14	
STORM TOTAL	AUTO. DATE	2.34 11/14- 11/16/52	2.64 11/14- 11/16/52	2.67 11/14- 11/15/52	3.09 11/14- 11/16/52	INC. 11/14- 11/15/52	3.15 11/14- 11/16/52	2.48 11/14- 11/16/52	3.95 11/14- 11/16/52	3.87 11/14- 11/16/52	3.26 11/14- 11/15/52	
STD.	AMT. DATE		2.74 11/14- 11/16/52		3.15 11/14- 11/16/52	1.52 11/14- 11/15/52	3.28 11/14- 11/16/52	2.51 ⁰⁰ 11/14- 11/16/52	4.00 11/14- 11/16/52	4.13 11/14- 11/16/52	3.33 11/14- 11/15/52	

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

TABLE III
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
Active Automatic Rain Gage Stations

Summary of Maximum Rainfall Intensities in Inches

	STA. #6 TOPANGA CN.	STA. #10 BEL AIR HOTEL	STA. #11C UPPER FRANKLIN CN. RESERVOIR	STA. #15 VAN NUYS CITY WAREHOUSE	STA. #33A ¹ -E PACOIMA DAM	STA. #46D-E BIG TUJUNGA DAM	STA. #47C CLEAR CREEK	
5 MIN.	AMT. 0.50 DATE 1/22/43	0.43 1/15/52	0.36 12/28/41	0.33 12/15/38	0.34 1/22/43	0.37 1/22/43	0.59 1/8/40	
10 MIN.	AMT. 0.70 DATE 1/22/43	0.63 1/15/52	0.53* 1/15/52	0.43 1/8/40	0.57 1/7/40	0.50 1/22/43	0.75 1/8/40	
15 MIN.	AMT. 0.91 DATE 2/20/41	0.78 1/15/52	0.69* 1/15/52	0.50 12/15/38	0.74 1/7/40	0.68 1/22/43	0.85 1/8/40	
30 MIN.	AMT. 1.15 DATE 2/20/41	1.13 1/15/52	1.04* 1/15/52	0.88 12/28/41	1.11 1/22/43	0.98 1/22/43	1.13 3/2/38	
1 HR.	AMT. 2.51 DATE 1/22/43	1.50 2/3/31	1.53 1/22/43	1.26 12/28/41	1.51 1/22/43	1.55 1/22/43	1.87 3/2/38	
2 HRS.	AMT. 3.44 DATE 1/22/43	1.67 2/3/31	2.20 1/22/43	1.50 1/22/43	2.40 1/22/43	2.52 1/22/43	2.85 3/2/38	
3 HRS.	AMT. 4.14 DATE 1/22/43	2.29 2/1/38	2.58 1/22/43	2.13 1/22/43	3.06 1/21/43	3.35 1/22/43	4.34 3/2/38	
4 HRS.	AMT. 5.09 DATE 1/22/43	2.72 3/2/38	3.00 1/22/43	2.67* 1/22/43	3.50 1/21/43	4.42 1/22/43	5.64 3/2/38	
5 HRS.	AMT. 5.46 DATE 1/22/43	3.39 12/31/33	3.28 1/22/43	3.13* 1/22/43	4.00 1/21/43	5.35 1/22/43	7.00 3/2/38	
12 HRS.	AMT. 9.69 DATE 12/31/33	6.24 12/31/33	5.83 1/21/43	5.29 12/31/33	5.45 1/21/43	10.53 1/22/43	11.58 3/2/38	
24 HRS.	AMT. 13.44 DATE 12/31/33	9.96 12/31/33	10.00 1/22/43	8.13* 1/21/43	9.90 1/21/43	17.95 1/22/43	17.87* 1/22/43	
STORM TOTAL AUTO. GAGE	AMT. INC. PERIOD 1/21-23/43	11.29 12/29/33-1/1/34	14.06 1/21-23/43	INC. 1/21-23/43	12.88 1/21-24/43	24.38 1/21-23/43	INC. 1/21-23/43	
STD. GAGE	AMT. 17.38 PERIOD 1/21-23/43	11.35 12/29/33-1/1/34	14.20 1/21-23/43	11.31 1/21-23/43	13.09 1/21-24/43	24.59 1/21-23/43	24.80 1/21-23/43	
	STA. #52C WATERMAN GUARD STATION	STA. #53D COLBY'S	STA. #54B LOOMIS RANCH	STA. #57B-E OPID'S	STA. #60A HOGEE'S	STA. #63B-E BIG SANTA ANITA DAM	STA. #68 SAWPIT DAM	STA. #69B SAWPIT HOGBACK
5 MIN.	AMT. 0.69 DATE 3/9/52	0.50 1/23/43	0.38* 9/24/43	1.17 4/5/26	0.43 12/27/36	0.23 12/30/52	0.20 12/1/52	0.24 12/12/51
10 MIN.	AMT. 0.71 DATE 3/9/52	0.64 1/23/43	0.77* 9/24/43	1.18 4/5/26	0.57 12/27/36	0.32 12/30/52	0.32 12/1/52	0.37 12/1/52
15 MIN.	AMT. 0.72 DATE 3/9/52	0.72 1/23/43	1.15* 9/24/43	1.18 4/5/26	0.69 12/27/36	0.47 1/16/52	0.49 12/1/52	0.49 12/1/52
30 MIN.	AMT. 0.73 DATE 2/2/45	1.08 1/23/43	2.31* 9/24/43	1.52 4/5/26	1.06 3/3/43	0.64 1/16/52	0.70 12/1/52	0.84 12/1/52
1 HR.	AMT. 1.28 DATE 2/2/45	1.60 1/23/43	2.70 9/24/43	2.21 4/5/26	1.73 12/21/45	1.08 1/16/52	1.17 12/1/52	1.28 12/1/52
2 HRS.	AMT. 1.74 DATE 12/21/45	2.98 1/22/43	2.70 9/24/43	3.63 4/5/26	2.88 3/2/38	2.02 1/15/52	1.69 12/1/52	1.66 12/1/52
3 HRS.	AMT. 2.62 DATE 12/21/45	4.24 1/22/43	2.78 3/2/38	4.95* 3/2/38	4.00 3/2/38	2.83 1/15/52	1.87 12/1/52	2.39 1/15/52
4 HRS.	AMT. 3.18 DATE 12/21/45	5.70 1/22/43	3.52 3/2/38	6.16 3/2/38	5.38 3/2/38	3.28 1/15/52	1.98 12/1/52	2.97 1/15/52
5 HRS.	AMT. 3.65 DATE 2/21/44	6.80 1/22/43	4.20 3/2/38	7.34 3/2/38	6.48 1/22/43	3.63 1/15/52	2.03 12/1/52	3.36 1/15/52
12 HRS.	AMT. 6.38* DATE 2/21/44	12.88 1/22/43	7.10 3/2/38	13.38 3/2/38	13.36 1/22/43	5.07 1/15/52	2.25 12/1/52	4.95 1/15/52
24 HRS.	AMT. 11.36* DATE 2/21/44	20.23 1/22/43	9.44 1/22/43	22.00 1/22/43	26.12 1/22/43	5.73 1/15/52	2.25 12/1/52	5.42 1/15/52
STORM TOTAL AUTO. GAGE	AMT. INC. PERIOD 2/19-22/44	27.40 1/21-23/43	INC. 1/21-23/43	32.45 1/21-23/43	37.42 1/21-23/43	5.88 1/15-16/52	2.25 12/1/52	9.30 1/15-18/52
STD. GAGE	AMT. 25.20 PERIOD 1/21-24/43	29.00 12/18-23/21	15.47 1/21-23/43	33.95 12/18-23/21	37.34 1/21-23/43	19.80 1/21-24/43	19.51 2/27/38-3/3/38	24.00 1/21-25/43
	STA. #70B ROGERS CANYON	STA. #83 BIG PINES REC. PARK	STA. #85D CAMP BALDY	STA. #89-E SAN DIMAS DAM	STA. #92 CLAREMONT POMONA COLLEGE	STA. #96B-E PUDDINGSTONE DAM	STA. #108B EL MONTE FIRE STATION	STA. #116C INGLEWOOD FIRE STATION
5 MIN.	AMT. 0.36 DATE 11/11/44	0.62 7/24/46	0.27 11/11/44	0.25 1/11/51	0.40 12/6/46	0.25 12/1/52	0.28 11/11/44	0.34 4/10/52
10 MIN.	AMT. 0.54 DATE 2/5/31	1.14 7/24/46	0.40 11/11/44	0.27 1/11/51	0.46 12/6/46	0.37 12/1/52	0.40 1/23/43	0.36 4/10/52
15 MIN.	AMT. 0.60 DATE 2/5/31	1.42 7/24/46	0.50 11/11/44	0.32 4/7/52	0.50 9/29/46	0.40 12/1/52	0.49 11/11/44	0.39 2/7/49
30 MIN.	AMT. 0.83 DATE 2/5/31	1.43 7/24/46	0.92 3/2/38	0.50 4/7/52	0.72 9/29/46	0.48 12/1/52	0.60 11/5/44	0.51 2/7/49
1 HR.	AMT. 1.30 DATE 12/31/33	1.66 7/24/46	1.78 3/2/38	1.78 1/11/51	0.94 1/22/43	0.61 12/1/52	0.78 4/19/52	0.73 4/21/53
2 HRS.	AMT. 2.36 DATE 12/31/33	1.68 3/2/38	3.41 3/2/38	1.44 1/16/52	1.63 1/22/43	0.81 12/1/52	0.93 2/21/41	0.92 4/21/53
3 HRS.	AMT. 3.15 DATE 12/31/33	2.16 1/22/43	4.69 3/2/38	1.85 1/15/52	2.27 12/31/33	0.87 12/1/52	1.10 2/21/41	1.10 1/18/52
4 HRS.	AMT. 3.85 DATE 12/31/33	2.89 1/22/43	6.06 3/2/38	2.20 1/15/52	2.96 1/22/43	0.99 12/1/52	1.51 1/22/43	1.32 1/17/52
5 HRS.	AMT. 4.51 DATE 12/31/33	3.34 1/22/43	7.02 3/2/38	2.43 1/15/52	3.25 1/22/43	1.01 12/1/52	1.95 1/22/43	1.47 1/17/52
12 HRS.	AMT. 8.24 DATE 12/31/33	5.17 1/22/43	11.80 1/22/43	3.91 1/15/52	4.55 3/2/38	1.19 12/1/52	3.97 1/22/43	2.30 1/17/52
24 HRS.	AMT. 11.95* DATE 12/31/33	10.26 1/22/43	19.27 1/22/43	4.50 12/28/51	7.92 12/31/33	1.39 11/14/52	5.65 1/22/43	2.48* 1/15/52
STORM TOTAL AUTO. GAGE	AMT. INC. PERIOD 12/30/33-1/1/34	15.86 1/20-24/43	27.45 1/21-24/43	6.00 12/28-30/51	10.70 1/21-24/43	2.39 11/14-16/52	8.74 1/21-23/43	2.48* 1/15-16/52
STD. GAGE	AMT. 14.17 PERIOD 12/30/33-1/1/34	15.94* 2/19-24/44	34.56 12/18-28/21	14.53 1/21-24/43	11.03 2/10-18/27	11.91 12/30/33-1/2/34	12.99 12/30/33-1/2/34	8.70 2/27/38-3/4/38

TABLE III									
	STA. #121B LANCASTER HIGH SCHOOL	STA. #156 LA MIRADA STD. OIL CO.	STA. #178 AZUSA GRIFFITH	STA. #179D SIERRA MADRE CARTER	STA. #191B LOS ANGELES ALCAZAR ST.	STA. #201 PUENTE HILLS ALTA MIRA RCH.	STA. #210B BRAND PARK	STA. #213C LOS ANGELES HANCOCK PARK	
5 MIN.	AMT. 0.05 DATE 11/15/52	0.32 11/15/52	0.32 2/11/36	0.88* 3/4/43	0.25 11/15/52	0.56 2/21/41	0.40 10/18/36	0.30 11/15/52	
10 MIN.	AMT. 0.09 DATE 11/15/52	0.39 11/15/52	0.40 11/11/44	1.12* 3/4/43	0.38 12/28/52	0.71 2/21/41	0.56 10/18/36	0.52 11/15/52	
15 MIN.	AMT. 0.11 DATE 11/15/52	0.43 11/15/52	0.55 11/11/44	1.40 3/4/43	0.42 11/15/52	0.73 2/21/41	0.62 10/18/36	0.62 10/17/34	
30 MIN.	AMT. 0.21 DATE 11/15/52	0.85 11/15/52	0.77 10/17/34	2.00 3/4/43	0.56 11/15/52	0.86 2/21/41	0.82 1/22/43	0.96 10/17/34	
1 HR.	AMT. 0.39 DATE 11/15/52	0.70 11/15/52	1.10 10/17/34	2.70 3/3/43	0.81 11/15/52	1.03 2/3/46	1.41 12/31/33	1.41 10/17/34	
2 HRS.	AMT. 0.58 DATE 11/15/52	0.87 3/7/52	1.73 10/17/34	3.16 3/3/43	1.07 11/15/52	1.24 2/22/44	1.69 12/31/33	1.69 3/2/38	
3 HRS.	AMT. 0.59 DATE 11/15/52	1.20 3/7/52	2.34 12/31/33	3.31 3/3/43	1.17 11/15/52	1.81 2/22/44	2.15 12/31/33	2.15 3/2/38	
4 HRS.	AMT. 0.62 DATE 12/20/52	1.49 3/7/52	2.79 12/31/33	3.95* 1/22/43	1.22 11/15/52	2.02 2/22/44	4.30 12/31/33	2.61 3/2/38	
5 HRS.	AMT. 0.62 DATE 12/20/52	1.73 3/7/52	3.98 12/31/33	4.53* 1/22/43	1.22 11/15/52	2.17 2/22/44	5.02 12/31/33	3.13 3/2/38	
12 HRS.	AMT. 0.63 DATE 11/15/52	2.89 3/6/52	6.00 12/31/33	8.43* 1/22/43	1.50 11/15/52	4.13 1/22/43	10.03 12/31/33	4.45 3/2/38	
24 HRS.	AMT. 0.92 DATE 11/14/52	3.29 12/29/51	10.85 12/31/33	14.30* 1/22/43	2.06 11/14/52	7.26 1/22/43	12.56 12/31/33	6.86 12/31/33	
STORM TOTAL AUTO. GAGE	AMT. 1.00 PERIOD 11/14-15/52	3.67 12/29-30/51	12.51 12/30/33-1/1/34	INC. 1/21-23/43	2.67 11/14-15/52	INC. 1/21-24/43	INC. 12/29/33-1/1/34	7.80 12/30/33-1/1/34	
STD. GAGE	AMT. 4.57 PERIOD 2/28/38-3/4/38	7.31 2/27/38-3/4/38	12.02 1/14-19/16	20.02 1/21-23/43	2.77 11/14-15/52	11.76 2/27/38-3/3/38	13.68 12/29/33-1/1/34	7.78 12/30/33-1/1/34	
	STA. #223B-E BIG DALTON DAM	STA. #235 HENNINGER FLAT	STA. #257 GRIFFITH PARK NURSERY	STA. #259C CHATSWORTH PATROL STATION	STA. #2618-E ACTON ESCONDIDO CN.	STA. #280B FLINTRIDGE FIRE STATION	STA. #283B CRYSTAL LAKE E. PINE FLAT	STA. #291 LOS ANGELES 96TH - CENTRAL	
5 MIN.	AMT. 0.25 DATE 12/1/52	0.50 2/20/41	0.53 3/2/38	0.43 12/26/41	0.29 8/26/35	0.52 3/4/43	0.52 3/2/38	0.39 3/2/38	
10 MIN.	AMT. 0.34 DATE 12/1/52	0.59 2/20/41	0.58 3/2/38	0.51 8/18/45	0.41 8/26/35	0.64* 2/20/41	0.65 9/20/39	0.45 1/5/35	
15 MIN.	AMT. 0.36 DATE 12/1/52	0.75 1/22/43	0.64 3/2/38	0.65 8/18/45	0.44 8/26/35	0.68* 2/20/41	0.68 9/20/39	0.48 1/5/35	
30 MIN.	AMT. 0.48 DATE 12/1/52	1.18 1/22/43	0.77 3/2/38	1.10 8/18/45	0.66 10/1/32	1.39* 2/20/41	1.10 9/20/39	0.75 11/16/34	
1 HR.	AMT. 0.69 DATE 12/1/52	1.74 1/22/43	1.18 1/1/34	1.40 8/18/45	0.93 8/24/35	2.01* 2/20/41	1.69 3/2/38	1.15 12/23/40	
2 HRS.	AMT. 1.06 DATE 12/1/52	2.54 1/22/43	1.94* 12/31/33	1.86 1/21/43	1.48 8/24/35	2.47 12/31/33	3.25 3/2/38	1.83 11/15/34	
3 HRS.	AMT. 1.18 DATE 12/1/52	3.23 1/22/43	2.62* 12/31/33	2.48 1/21/43	1.48 8/24/35	3.27 12/31/33	4.60 3/2/38	2.21 11/15/34	
4 HRS.	AMT. 1.35 DATE 12/1/52	3.91 1/22/43	2.80* 12/31/33	2.83 1/21/43	1.57 1/22/43	4.00 12/31/33	5.95 3/2/38	2.63 12/23/40	
5 HRS.	AMT. 1.35 DATE 12/1/52	4.58 1/22/43	3.14* 12/31/33	3.08 1/21/43	1.82 1/22/43	4.68 12/31/33	6.79 3/2/38	2.96 12/23/40	
12 HRS.	AMT. 1.59 DATE 12/1/52	7.93 1/21/43	5.96* 12/31/33	4.64* 3/2/38	3.14 1/22/43	9.34 12/31/33	11.68 1/22/43	5.17 9/24/39	
24 HRS.	AMT. 1.75 DATE 11/14/52	14.96 1/22/43	9.74* 12/31/33	8.41* 1/21/43	4.44 1/22/43	13.24 12/31/33	18.64 1/22/43	5.94 9/24/39	
STORM TOTAL AUTO. GAGE	AMT. 2.72 PERIOD 11/14-15/52	19.67 1/20-23/43	INC. 12/29/33-1/1/34	11.89* 1/21-24/43	6.45 1/21-23/43	INC. 1/21-24/43	28.11 1/20-24/43	6.23 9/24-25/39	
STD. GAGE	AMT. 17.47 PERIOD 2/27/38-3/5/38	20.12 1/20-23/43	11.20 12/29/33-1/1/34	16.29 12/31/33-1/2/34	6.56 1/21-23/43	15.40 1/21-24/43	28.58 1/20-24/43	6.50 1/15-18/52	
	STA. #303F PASADENA CAL TECH	STA. #334B-E COGSWELL DAM	STA. #338B MT. WILSON AIRWAY STA.	STA. #352 LECHUZA PATRDL STA.	STA. #356B SPADRA PACIFIC COLONY	STA. #367 HAINES CANYON UPPER	STA. #372 SAN FRANCISCO P.H. #2	STA. #373 BRIGGS TERRACE	
5 MIN.	AMT. 0.32 DATE 3/3/43	0.38* 11/11/44	0.37* 2/22/44	0.35 12/18/40	0.28 2/2/45	0.67 1/8/40	0.36 4/26/47	0.26 10/18/36	
10 MIN.	AMT. 0.44 DATE 3/3/43	0.58 3/4/43	0.50 3/2/38	0.50 12/18/40	0.48 11/5/44	0.82 1/8/40	0.50 4/26/47	0.39 1/22/43	
15 MIN.	AMT. 0.60 DATE 3/3/43	0.78 3/4/43	0.62 3/2/38	0.70 12/18/40	0.62 11/5/44	0.94 1/8/40	0.70 4/26/47	0.56 1/22/43	
30 MIN.	AMT. 1.08 DATE 3/3/43	1.25 3/4/43	0.96* 2/22/44	1.05 12/18/40	0.86 11/5/44	1.16 1/8/40	1.00 4/26/47	0.87 1/22/43	
1 HR.	AMT. 1.70 DATE 3/3/43	1.72 1/22/43	1.32 3/2/38	1.48 11/14/52	0.98 2/19/41	1.54 1/22/43	1.26 4/26/47	1.49 1/22/43	
2 HRS.	AMT. 2.36 DATE 3/3/43	2.95 1/22/43	2.36 3/2/38	2.20 1/21/43	1.22 3/8/52	2.57 1/21/43	1.38 4/26/47	2.56 1/22/43	
3 HRS.	AMT. 3.02 DATE 12/31/33	4.04 1/22/43	3.80 3/2/38	2.64 1/21/43	1.95 3/8/52	3.39 3/2/38	3.51 4/26/47	3.51 1/22/43	
4 HRS.	AMT. 3.80 DATE 12/31/33	5.28 3/2/38	4.33 3/2/38	3.03 1/21/43	1.87 3/8/52	4.39 1/22/43	4.47 12/21/45	4.47 1/22/43	
5 HRS.	AMT. 4.55 DATE 12/31/33	6.17 3/2/38	5.44 3/2/38	3.28 1/21/43	2.22 3/8/52	5.46 1/22/43	2.04 12/21/45	5.12 1/22/43	
12 HRS.	AMT. 7.98 DATE 12/31/33	12.43 1/22/43	10.44 3/2/38	6.90 1/21/43	4.06 1/22/43	11.64 1/22/43	2.86 12/21/45	8.45 1/21/43	
24 HRS.	AMT. 11.26* DATE 12/31/33	23.12 1/22/43	16.80 1/22/43	9.63 1/21/43	6.16 1/22/43	18.57 1/21/43	4.01 12/21/45	14.53 1/22/43	
STORM TOTAL AUTO. GAGE	AMT. 13.64 PERIOD 1/21-23/43	32.59 1/21-23/43	23.81 1/20-24/43	13.19 1/21-23/43	8.89 1/21-24/43	25.65 1/21-24/43	6.19 12/20-23/45	20.07 1/21-24/43	
STD. GAGE	AMT. 13.86 PERIOD 1/21-23/43	30.15 1/21-23/43	24.00 1/20-24/43	13.56 1/21-23/43	8.71 1/21-24/43	25.67 1/21-24/43	10.07 1/22-23/43	20.79 1/21-24/43	

TABLE III										
	STA. #379B SAN GABRIEL EAST FORK	STA. #380 EL SERENO	STA. #415 SIGNAL HILL CITY HALL	STA. #425B-E SAN GABRIEL DAM	STA. #433 ALTADENA FARNSWORTH PARK	STA. #434 MALIBU DIV. HQTRS.	STA. #435 MONTE NIDO	STA. #444B ROLLING HILLS PALOS VERDES		
5 MIN.	AMT. 0.20	0.30	0.46	0.60	0.24	0.32	0.28	0.30		
	DATE 11/10/49	3/3/43	11/15/52	4/5/26	12/18/38	11/13/46	11/15/52	11/15/52		
10 MIN.	AMT. 0.28	0.47	0.57	0.82	0.48	0.53	0.38	0.34		
	DATE 1/16/52	3/3/43	11/15/52	4/5/26	12/18/38	11/13/46	11/15/52	11/15/52		
15 MIN.	AMT. 0.35	0.61	0.61	0.68	0.60	0.85	0.43	0.38		
	DATE 1/16/52	3/3/43	1/23/40	4/5/26	12/18/38	11/13/46	11/15/52	11/15/52		
30 MIN.	AMT. 0.52	1.12	0.84	0.96	0.74	1.33	0.68	0.49		
	DATE 1/16/52	3/3/43	1/23/40	4/5/26	12/18/38	11/13/46	1/11/51	11/15/52		
1 HR.	AMT. 0.90	1.74	1.20	1.25	1.04	1.71	1.10	0.78		
	DATE 1/16/52	3/3/43	1/23/40	1/22/43	1/22/43	11/13/46	1/11/51	12/16/48		
2 HRS.	AMT. 1.56	2.18	2.34	2.34	1.74	2.04	1.46	1.05		
	DATE 1/15/52	3/3/43	2/22/44	1/22/43	1/22/43	11/13/46	11/14/52	12/16/48		
3 HRS.	AMT. 2.02	2.47	2.53	3.28	2.30	2.23	2.06	1.15		
	DATE 1/15/52	3/3/43	2/22/44	1/22/43	1/22/43	11/13/46	1/15/52	2/6/50		
4 HRS.	AMT. 2.40	2.49	2.68	4.32	3.06	2.51	2.53	1.29		
	DATE 1/15/52	3/3/43	2/22/44	1/22/43	1/22/43	11/13/46	1/15/52	2/6/50		
5 HRS.	AMT. 2.66	2.91	3.02	5.30	3.68	2.74	2.98	1.43		
	DATE 1/15/52	3/2/38	9/25/39	1/22/43	1/22/43	11/13/46	1/15/52	2/6/50		
12 HRS.	AMT. 4.37	5.18	4.92	10.05	6.68	4.07	5.41	2.01		
	DATE 1/15/52	3/2/38	9/24/39	1/22/43	1/21/43	1/15/52	1/15/52	2/5/50		
24 HRS.	AMT. 5.66	7.97	5.66	17.81	11.18*	5.24	6.63	2.80		
	DATE 1/15/52	1/21/43	9/24/39	1/22/43	1/22/43	3/14/52	1/15/52	1/17/52		
STORM TOTAL										
AUTO. GAGE	AMT. 6.38	10.90*	6.63	24.07	INC.	9.75	11.43	5.39		
	PERIOD 12/23-27/46	1/21-23/43	2/19-23/44	1/21-23/43	1/21-23/43	2/19-24/44	1/14-18/52	1/15-18/52		
STD. GAGE	AMT. 24.00	10.87	6.60	25.08	15.40	15.37	15.24	7.60		
	PERIOD 1/21-24/43	1/21-23/43	11/11-14/46	12/17-22/21	1/21-23/43	1/21-23/43	1/21-27/43	1/21-23/43		
	STA. #445B LIVE OAK DAM	STA. #446 ALISO CN.-SANTA SUSANA MTS.	STA. #449B EATON DAM	STA. #453B DEVIL'S GATE DAM	STA. #466B PACOIMA CANYON DUTCH LOUIE CN.	STA. #470 TUJUNGA MILL CREEK	STA. #477B SANTA ANITA SPRING CAMP	STA. #486B COLD WATER CN. WIDMAN RANCH		
5 MIN.	AMT. 0.37	0.63	0.25	0.13	0.31	0.34	0.60	0.34		
	DATE 11/11/44	12/21/45	1/16/52	12/1/52	11/11/44	8/2/45	3/4/43	8/17/45		
10 MIN.	AMT. 0.53	0.66	0.42	0.25	0.41	0.43	0.30	0.48		
	DATE 11/11/44	12/21/45	1/16/52	11/15/52	11/11/44	8/2/45	3/4/43	8/17/45		
15 MIN.	AMT. 0.56	0.68	0.54	0.29	0.50	0.53	1.22	0.57		
	DATE 11/11/44	12/21/45	1/16/52	12/1/52	11/11/44	8/2/45	3/4/43	8/17/45		
30 MIN.	AMT. 0.63	0.73	0.78	0.42*	0.79	0.77	1.55	0.76		
	DATE 11/11/44	12/21/45	1/16/52	11/15/52	2/2/45	9/2/45	3/4/43	12/22/45		
1 HR.	AMT. 0.97	1.16	1.09	0.70	1.11	0.85	1.70	1.10		
	DATE 1/22/43	1/21/43	1/15/52	12/1/52	1/22/43	9/2/45	3/3/43	12/22/45		
2 HRS.	AMT. 1.74	1.96	1.82	1.20	2.00	0.90	2.75	1.45		
	DATE 1/22/43	1/21/43	1/15/52	12/1/52	1/22/43	9/2/45	3/3/43	12/22/45		
3 HRS.	AMT. 2.46	2.54	2.49	1.30*	2.71	1.08	3.26	1.77		
	DATE 1/22/43	1/21/43	1/15/52	11/14/52	1/21/43	11/13/46	3/3/43	12/21/45		
4 HRS.	AMT. 3.21	2.96	2.97	1.31	3.33	1.28	3.88	2.00		
	DATE 1/22/43	1/21/43	1/15/52	12/1/52	1/21/43	11/13/46	3/3/43	12/21/45		
5 HRS.	AMT. 3.87	3.31	3.37	1.32	3.90	1.50	4.52	2.24		
	DATE 1/22/43	1/21/43	1/15/52	12/1/52	1/21/43	11/13/46	3/3/43	2/22/44		
12 HRS.	AMT. 5.32	4.96	4.70	1.62*	6.02	3.18	6.69	4.63		
	DATE 1/21/43	1/21/43	1/15/52	11/15/52	1/21/43	1/17/52	3/3/43	11/11/44		
24 HRS.	AMT. 8.01*	8.40	5.17	2.33*	11.00	4.16	8.84	7.96		
	DATE 1/22/43	1/21/43	1/15/52	11/14/52	1/21/43	11/12/46	12/21/45	2/21/44		
STORM TOTAL										
AUTO. GAGE	AMT. INC.	13.12	9.61	3.11*	15.50	INC.	INC.	11.86		
	PERIOD 1/21-24/43	1/21-23/43	1/15-18/52	11/14-16/52	1/21-24/43	2/19-27/44	1/20-24/43	12/20-23/45		
STD. GAGE	AMT. 13.30	13.65	15.88	14.22	15.50	11.13	33.00	12.03		
	PERIOD 1/21-24/43	1/21-23/43	1/21-24/43	1/21-24/43	1/21-24/43	2/19-27/44	1/20-24/43	12/20-23/45		
	STA. #492 CHILAO	STA. #517B ANDERSEN RCH PALLETT CREEK	STA. #1006 SAN PEDRO CITY RESERVOIR	STA. #1008-E LA FRESA S.C.E. CO.	STA. #1010B PALMER CANYON	STA. #1013 TUJUNGA CN. GOLD CREEK	STA. #1014B-E RIO HONDO SPRDG. GRDS.	STA. #1017 LITTLE ROCK SANTIAGO CREEK		
5 MIN.	AMT. 0.49	0.30	0.56	0.16	0.30	0.26	0.34	0.13		
	DATE 12/12/52	7/18/46	12/5/47	1/29/51	4/7/52	12/1/52	11/15/52	7/17/51		
10 MIN.	AMT. 0.64	0.50	0.74	0.24	0.35	0.31	0.54	0.15		
	DATE 12/12/52	7/18/46	12/5/47	1/29/51	10/30/48	12/1/52	11/15/52	7/17/51		
15 MIN.	AMT. 0.75	0.73	0.84	0.27	0.44	0.34	0.57	0.17		
	DATE 12/12/52	7/18/46	12/5/47	1/29/51	10/30/48	12/1/52	11/15/52	7/19/51		
30 MIN.	AMT. 0.82	1.23	0.98	0.43	0.61	0.44	0.71	0.29		
	DATE 12/12/52	7/18/46	12/5/47	1/29/51	10/30/48	12/1/52	11/15/52	7/19/51		
1 HR.	AMT. 0.96	1.78	1.08	0.76	0.76	0.65	0.90	0.44		
	DATE 12/12/52	7/18/46	12/5/47	1/29/51	1/16/52	11/15/52	11/15/52	11/15/52		
2 HRS.	AMT. 1.20	2.26	1.21	1.15	1.24	1.13	1.23	0.66		
	DATE 3/30/46	7/18/46	12/5/47	1/29/51	1/16/52	11/15/52	12/5/47	11/15/52		
3 HRS.	AMT. 1.54	2.26	1.26	1.45	1.56	1.39	1.25	0.77		
	DATE 11/11/44	7/18/46	12/5/47	1/29/51	1/15/52	11/15/52	12/5/47	11/15/52		
4 HRS.	AMT. 1.99*	2.27	1.26	1.57	1.90	1.56	1.42	0.84		
	DATE 5/21/45	7/18/46	12/5/47	1/29/51	1/15/52	1/15/52	1/8/50	1/15/52		
5 HRS.	AMT. 2.27	2.27	1.29	1.65	2.08	1.90	1.48	1.03		
	DATE 11/11/44	7/18/46	12/5/47	2/6/50	1/15/52	1/15/52	1/17/52	1/15/52		
12 HRS.	AMT. 3.86	3.06	1.90	2.03	3.83	3.62	2.96	1.85		
	DATE 3/29/46	3/29/46	12/17/49	12/29/51	12/18/49	3/6/52	1/17/52	1/15/52		
24 HRS.	AMT. 5.90	5.22	2.58	2.75	5.11	4.59	3.78	1.97		
	DATE 3/29/46	3/29/46	12/17/49	12/29/52	12/18/49	3/15/52	1/17/52	12/29/51		
STORM TOTAL										
AUTO. GAGE	AMT. INC.	INC.	2.72	3.99	6.11	4.98	6.35	2.21		
	PERIOD 11/10-14/46	2/19-24/44	12/24-27/46	11/11-14/46	12/28-30/52	3/13-16/51	1/18-18/52	2/29-30/51		
STD. GAGE	AMT. 9.21	14.50	2.74	4.30	6.15	5.31	6.54	2.58		
	PERIOD 11/10-14/46	1/21-23/43	12/24-27/46	11/11-14/46	12/28-30/52	3/6-10/52	1/15-18/52	1/17-18/52		

TABLE III

		STA. #1034 SANTA CLARA RIVER 65 AIRPARK	STA. #1035 WHITTIER WOOD	STA. #X6 ENCINO ABOVE DAM
5 MIN.	AMT.	0.29	0.30	0.29
	DATE	11/15/52	12/1/52	12/21/45
10 MIN.	AMT.	0.36	0.36	0.42
	DATE	11/15/52	12/1/52	12/21/45
15 MIN.	AMT.	0.41	0.42	0.56
	DATE	11/15/52	12/1/52	12/21/45
30 MIN.	AMT.	0.54	0.50	0.79
	DATE	11/15/52	12/1/52	12/21/45
1 HR.	AMT.	0.82	0.68	1.24
	DATE	11/15/52	12/1/52	12/21/45
2 HRS.	AMT.	1.21	1.00	1.68
	DATE	11/15/52	11/15/52	12/21/45
3 HRS.	AMT.	1.42	2.09	2.19
	DATE	11/15/52	11/15/52	12/21/45
4 HRS.	AMT.	1.54	1.11	2.73
	DATE	11/15/52	11/15/52	3/15/52
5 HRS.	AMT.	1.75	1.11	3.16
	DATE	1/17/52	11/15/52	1/15/52
12 HRS.	AMT.	2.37	1.37	5.53
	DATE	1/17/52	11/15/52	1/15/52
24 HRS.	AMT.	3.46	1.63	7.20
	DATE	1/17/52	11/14/52	1/15/52
STORM TOTAL				
AUTO. GAGE	AMT.	3.46	2.17	8.15
	PERIOD	1/17-18/52	11/14-16/52	12/20-23/45
STD. GAGE	AMT.	3.72	4.35	8.21
	PERIOD	1/17-18/52	1/17-18/52	12/20-23/45

LEGEND

- * INDICATES INTERPOLATED VALUE FROM NEARBY STATION
- DATE INDICATES BEGINNING OF PERIOD
- INC. INDICATES INCOMPLETE RECORD
- NOTE: ELEVATION, TYPE AND CAPACITY, PERIOD OF RECORD FOR EACH AUTOMATIC RAIN GAGE, AND WATERSHED FOR EACH STATION IS SHOWN IN TABLE 1

TABLE V
SEASONAL 1952-53 DAILY RAINFALL FOR SELECTED STATIONS
RAINFALL RECORDS IN INCHES

OCTOBER																																			
STA. NO.	STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
6	TOPANGA	E																																0	
15	VAN NUYS	B																																0	
32C-E	NEWHALL	E																																0	
33A-E	PACIFICA DAM	E																																0	
57B-E	OPID'S	E																																0	
85D	CAMP BALDY	E																																0	
106	WHITTIER	E																																0	
121B	LANCASTER	E																																0	
130B	SANDBERG'S	C																																0	
185	GLENDORA	E																																0	
241B	LONG BEACH	A																																0	
256B	POMONA	E																																0	
283B	CRYSTAL LAKE	E																																0	
321-E	PINE CANYON	C																																0	
425B-E	SAN GABRIEL DAM	E																																0	
440B	CHILAO	B																																0	
478	VALVERDE	E																																0	
577F	LOS ANGELES	F																																0	
610B	PASADENA	E																																0	
634B	SANTA MONICA	D																																0	
																																			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							.37						1.38	1.77	.13						.40	.10						1.30		5.45			
15	VAN NUYS	B						.70							.84	1.25	1.46	.03							.66					.61		4.71			
32C-E	NEWHALL	E						.13							.28	1.75	.28													.85		3.85			
33A-E	PACIFICA DAM	E						.35							1.02	1.80	.20													.75		4.12			
57B-E	OPID'S	E						.95							1.45	1.95	.60													.46		5.69			
85D	CAMP BALDY	E						1.02							1.21	1.47	.86													.20		5.20			
106	WHITTIER	E						T	.06						.52	1.31	.43							.40	.17				.46		3.35				
121B	LANCASTER	E						.01	.13						.27	.75													.03		1.19				
130B	SANDBERG'S	C						T							.50	1.70														.20		2.20			
185	GLENDORA	E						T	.48						.99	1.34	.68							.05	.53				.49		4.56				
241B	LONG BEACH	A							.20							1.60								.84	.67				.57		.73		3.01		
256B	POMONA	E						T	.04	.77					.52	1.26	.69							.17	.12				.69		5.04				
283B	CRYSTAL LAKE	E							.04	.77					1.15	1.63	.64												.41		3.04				
321-E	PINE CANYON	C							.05						.89	1.66	.03												.46		4.90				
425B-E	SAN GABRIEL DAM	E							.97						1.17	1.45	.53								.32				.46		4.90				
440B	CHILAO	B							.07	.86					.90	1.23	.55												.38		3.99				
478	VALVERDE	E							.03	.77					.48	1.12	.11												.30		2.81				
577F	LOS ANGELES	F						.01	T	.23					.65	1.64	T							.32				.26		.02		3.13			
610B	PASADENA	E						T	.02	.64					1.29	1.74	.51												.22		5.15				
634B	SANTA MONICA	D						T	.25							2.56									1.00				.61		4.42				
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	.31	1.08			.16	.28	.05										.08			1.51					.10	.81	.95	.22	5.55				
15	VAN NUYS	B	.04	1.31			.07	.06												.03		1.23	.01				.35	.07	.59	.59	3.76				
32C-E	NEWHALL	E	.16	1.33			.01	T	.03										.04			1.56				.06	.56	.59	.09	3.72					
33A-E	PACIFICA DAM	E	.16	.63			.28	.03														1.22					.59	.52	.09	3.72					
57B-E	OPID'S	E	.44	2.03			.15	.05	.10													2.41				.15	1.05	.71	.18	7.35					
85D	CAMP BALDY	E	.23	1.62			.11												.41	.10		1.61				.06	.94	.29	.39	5.76					
106	WHITTIER	E	.20	.86			.11												.16			.99				.05	.22	.38	.13	3.11					
121B	LANCASTER	E	.40				T											.07			.66					T	.20	.13	1.46						
130B	SANDBERG'S	C	.93				.01	T														1.90				.01	.55	.20	.08	3.68					
185	GLENDORA	E	.20	1.05			.08		.01													.92				T	.39	.51	.25	3.46					
241B	LONG BEACH	A		1.00				.06								.32						.75					.76	.37	.37	3.26					
256B	POMONA	E	.09	.85			.08														.18	1.11					.42	.31	.22	3.26					
283B	CRYSTAL LAKE	E	.16	1.79			.04														.12	2.19				.06	.88	.05	.95	6.55					
321-E	PINE CANYON	C	.16	.94			.07	.10														1.58				.09	.74	.58	.01	4.38					
425B-E	SAN GABRIEL DAM	E	.18	1.80			.15															1.69					.61	.90	.22	5.45					
440B	CHILAO	B		1.80				.03														1.71					.66	.80	.50	5.06					
478	VALVERDE	E		.48																	.32	.90					.31	.43	2.88						
577F	LOS ANGELES	F	.65			.08	T	.03														.02	1.12				.08	.76	.48	3.31					
610B	PASADENA	E	.10	1.25			.03		T													.08	1.82				.05	.58	.45	.21	4.57				
634B	SANTA MONICA	D	T	.46			.16															.08		1.21				.48	.37	2.76					
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					.45	.21	.38						.54	.03																	1.61		
15	VAN NUYS	B					.14	.35	.18		.05					.44																	1.16		
32C-E	NEWHALL	E					.22	.09	.11						.16	.10																	.68		
33A-E	PACIFICA DAM	E																																	

TABLE V
SEASONAL 1952-53 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												.04		
15	VAN NUYS	B						.03												.01											.04		
32C-E	NEWHALL	E																													0		
33A'-E	PACIFICA DAM	E	.01																												.08		
57B-E	OPID'S	E						.02									.03		.02												0		
85D	CAMP BALDY	E																													0		
106	WHITTIER	E						.01																							.01		
121B	LANCASTER	E																													0		
130B	SANDBERG'S	C																													0		
185	GLENORA	E	T					T	T	T																					T		
241B	LONG BEACH	A																														.02	
256B	POKONA	E																														.07	
283D	CRYSTAL LAKE	E																														0	
321-E	PINE CANYON	C																														0	
425B-E	SAN GABRIEL DAM	E																														0	
440B	CHILAO	B																														0	
478	VALYERMO	E																														0	
577F	LOS ANGELES	F	T				.02	.08										T		.01												.06	
610B	PASADENA	E	T																													.07	
634B	SANTA MONICA	D					.02																									.02	
JULY																																	
STA. NO.	STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																														0	
15	VAN NUYS	B																														0	
32C-E	NEWHALL	E																														0	
33A'-E	PACIFICA DAM	E																														0	
57B-E	OPID'S	E																														0	
85D	CAMP BALDY	E																														T	
106	WHITTIER	E																														0	
121	LANCASTER	E							T																							T	
130B	SANDBERG'S	C																														0	
185	GLENORA	E																														0	
241B	LONG BEACH	A																														0	
256B	POKONA	E																														0	
283D	CRYSTAL LAKE	E																														0	
321-E	PINE CANYON	C																														0	
425B-E	SAN GABRIEL DAM	E																														0	
440B	CHILAO	B																														0	
478	VALYERMO	E							T																							.03	
577F	LOS ANGELES	F																														0	
610B	PASADENA	E										T																				0	
634B	SANTA MONICA	D											.12																			.12	
AUGUST																																	
STA. NO.	STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6	TOPANGA	E																														0	
15	VAN NUYS	B																														0	
32C-E	NEWHALL	E																														0	
33A'-E	PACIFICA DAM	E																														0	
57B-E	OPID'S	E																														0	
85D	CAMP BALDY	E											.06																			.06	
106	WHITTIER	E											.13																			.10	
121	LANCASTER	E																														0	
130B	SANDBERG'S	C																														0	
185	GLENORA	E												T																		T	
241B	LONG BEACH	A																														0	
256B	POKONA	E																														0	
283D	CRYSTAL LAKE	E											.19																			.19	
321-E	PINE CANYON	C											.07																			.07	
425B-E	SAN GABRIEL DAM	E																														T	
440B	CHILAO	B																														0	
478	VALYERMO	E											.08	.02																		.10	
577F	LOS ANGELES	F																														0	
610B	PASADENA	E																														0	
634B	SANTA MONICA	D																														0	
SEPTEMBER																																	
STA. NO.	STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
6																																	

TABLE VI
SEASONAL 1951 - 52 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

Table with columns: STA. NO., STATION, OCT., NOV., DEC., JAN., FEB., MAR., APR., MAY, JUNE, JULY, AUG., SEPT., SEASON TOTAL. Rows list various stations and their monthly rainfall records for 1951-52.

TABLE VI
SEASONAL 1961 - 62 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEASON TOTAL
167	ARCADIA PUMPING PLANT NO. 1	.80	1.76	7.70	12.96	.80	7.96	2.97	0	.02	0	0	.09	35.06
169	SIERRA MADRE PUMPING PLANT	.71	2.03	7.63	12.91	.02	8.84	3.51	0	.03	0	0	.11	35.79
170C	POTRERO HEIGHTS	.63	1.26	5.85	10.44	.81	5.62	2.37	0	0	0	0	.30	27.28
171	CHAPMAN WELLS	.62	.81	7.10	13.94	.99	7.88	2.76	0	0	0	T	.15	34.25
172B	DUARTE	.83	1.52	7.89	11.12	.59	6.38	3.18	0	0	0	0	.10	33.61
174	GLENDORA - WARREN	.77	1.81	7.16	11.31	.42	8.66	2.67	0	0	0	0	.26	33.06
175B	ALTA CANYADA - LA CANADA IRRIGATION DISTRICT	1.38	2.54	8.30	16.18	.02	10.86	3.81	.04	.09	0	0	.18	43.38
176	RUBIO CANYON LAND AND WATER COMPANY	1.21	2.63	7.41	14.59	.81	8.88	4.03	0	.06	0	0	.13	39.35
177C	LA CANADA - BRADFORD	1.36	2.07	8.34	15.71	.58	8.64	3.16	0	0	0	0	.17	41.21
178	AZUSA - GRIFFITH	.64	1.85	6.50	8.61	.66	6.61	2.03	0	0	0	.01	.26	27.47
178D	SIERRA MADRE - CARTER	.99	2.65	8.16	14.04	.90	9.08	3.22	0	.12	0	T	.07	39.23
181B	BASSETT - CLIFFORD	.66	1.15	5.92	8.85	.62	5.12	2.32	0	0	0	.01	.24	24.91
185	GLENDORA - WEST	.99	1.93	7.94	10.87	.54	8.00	2.79	0	T	T	.02	.34	33.42
188C	SAN DIMAS - MORRISON	.59	1.64	7.86	8.53	.49	7.97	2.07	0	0	0	0	.21	29.38
191B	LOS ANGELES - ALCAZAR		N O T		I N S T A L L E D									.17 INC.
192B	BELL FIRE STATION	.29	1.18	5.29	9.56	.85	5.84	1.17	0	0	0	0	.17	23.83
193	COVINA NO. 2 - TEMPLE	.69	1.80	7.20	8.82	.36	7.76	2.28	0	0	0	T	.27	29.18
196B	LA VERNE - POLICE DEPARTMENT	.84	1.49	7.46	7.52	.48	7.81	1.79	0	0	0	0	.22	27.31
198B	BRAND DEBRIS BASIN	.90	1.61	5.70	14.74	.83	7.89	2.26	.01	0	0	0	.19	33.83
199B	HUNTINGTON PARK - CITY YARD	.30	.79	5.11	10.22	.64	8.06	1.71	0	0	0	0	.06	24.89
200	SAUGUS - SO. CALIF. EDISON CO. SUBSTATION	.99	.78	4.32	9.72	.44	6.37	1.55	0	0	0	0	.07	23.64
201	PUEBLO HILLS - ALTA MIRA RANCH	.72	1.85	9.05	10.85	.36	7.17	2.06	0	0	0	0	.20	32.26
206	VALENCIA HEIGHTS	.69	1.37	7.03	9.27	.35	8.04	1.73	0	0	0	0	.41	28.89
208	ARTESIA - BARR LUMBER COMPANY	.23	.91	4.58	6.95	.28	5.03	1.11	0	0	0	0	0	19.07
210B	BRAND PARK	1.00	1.61	6.10	15.93	.52	8.73	2.50	0	0	0	0	.13	36.52
213C	LOS ANGELES - HANCOCK PARK	.48	1.23	5.82	11.13	.52	6.83	1.14	0	0	0	0	.15	27.30
215B	BELLFLOWER - FIRE STATION	.28	1.03	5.06	7.92	.45	3.89	1.39	0	T	0	0	.08	20.10
216	GLENDALE - JONES	.76	1.78	6.03	14.71	.77	7.51	2.11	0	0	0	0	.21	33.68
217	WATTS - JORDAN HIGH SCHOOL	.24	.82	5.57*	9.19**	.12	5.96**	1.35	0	0	0	0	.12*	23.37**
219	PACOLIMA WAREHOUSE - COUNTY FORESTRY	1.03	1.90	5.95	10.87	.50	6.51	2.23	0	0	0	0	.10	29.09
221C	PACOLIMA WASH-DUCKWORTH RANCH	.90	1.65	6.17	12.76**	.90	7.23	.80	0	0	0	0	.10	30.51**
222	LANKERSHIM GENERATING PLANT	.81	1.31	4.03	9.38	.45	5.08	1.26	0	0	0	T	.22	32.32
223B-E	BIG DALTON DAM	1.74	2.55	10.41	11.31	.78	10.23	4.25	.01	.03	.05	.51	.41	47.87
224B	LONG BEACH - ALAMITOS LAND COMPANY	.22	.79	3.72**	6.48	.18	3.86	1.15	0	0	0	0	.08	16.48**
225	MONTANA RANCH	.33	.85	4.43	6.44	.20	4.95	.93	0	0	0	T	0	17.83
226	BURBANK FIRE STATION	.70	1.12	5.14	16.31	.45	8.33	1.67	0	0	.02	0	.11	33.85
227C	SAN GABRIEL - BRUINGTON	.53	1.26	6.29	14.13	1.02	7.99	2.25	0	0	0	T	.11	33.58
228B	BEVERLY HILLS - CITY HALL	.65	1.52	6.74	12.63	.80	6.84	1.86	0	0	.04	0	.03	30.31
230C	LIVE OAK CANYON - ELDER	.63	1.76	8.69	7.64	.55	7.60	1.88	0	0	0	0	.24	28.99
234	COVINA - THORPE	.65	1.23	7.02	10.20	.60	7.93	1.75	0	0	0	0	.12	29.56
235B	HENNINGER FLATS	1.38	3.28	9.15	14.90	.81	10.30	3.82	.04	.35	0	0	.14	44.17
237A	STONE CANYON RESERVOIR	.53	2.00	6.26	11.88	T	10.19	2.13	0	0	0	0	.02	33.01
238	HOLLYWOOD DAM	.76	1.37	5.53	12.70	.02	7.58	1.67	0	0	0	0	.07	29.70
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	.20	.75	3.64	7.26	.08	4.46	1.17	0	T	0	0	.01	17.57
246B	CULVER CITY - BUS YARD	.61	.98	5.27	7.90	.06	5.58	1.12	0	T	0	0	.06	21.58
250C	ACTON CAMP	.42	.62	3.39	6.90	.42	4.96	.58	0	0	T	0	.38	17.67
251	LA CRESCENTA	1.55	2.15	8.37	16.33	.94	9.22	3.22	0	.02	0	0	.14	41.94
254	PUEBLO - ROWLAND RANCH	.48*	.82*	6.62	8.88	.18	8.17	1.19**	0	0	0	0	.10	26.44**
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	.45	.94	6.86	8.70	.23	8.73	1.81	0	0	0	0	.21	27.93
256B	POMONA - FIRE STATION	.53	.77	7.61	8.68	.33	8.13	1.85	0	0	0	0	.33	28.23
257	GRIFFITH PARK NURSERY	.70	1.60	5.98	15.04	.52	7.43	1.84	0	0	0	0	.03	33.14
258A	GRIFFITH PARK TUNNEL	.77	1.44	5.99	14.19	.82	6.99	1.92	0	0	0	0	.03	32.15
258B	GRIFFITH PARK - SOUTH SLOPE MOUNT HOLLYWOOD	.88	1.45	6.18	15.22	.85	7.36	1.98	0	0	0	0	.03	33.95
258C	GRIFFITH PARK - NORTH SLOPE MOUNT HOLLYWOOD	.80	1.48	6.38	15.10	.86	7.53	2.05	0	0	0	0	.03	34.23
259C	CHATSWORTH PATROL STATION	.37	1.03	6.66	13.94	.76	8.01	2.09	0	0	0	0	0	32.86
261B-E	ACTON - ESCONDIDO CANYON	.68	.80	4.84	6.32	.46	6.42	.68	T	0	0	0	.41	20.59
263A	POMONA - FRATER	.50	.65	7.57	8.37	.37	7.70	1.84	0	T	0	0	.36	27.36
265C	PUEBLO HILLS - WEISEL RANCH	.65	1.25	7.54	9.86	.26	8.48	1.75	0	.05	0	0	.10	29.94
266	LEFFINGWELL RANCH - EAST WHITTIER	.40	1.34	6.93	9.53	.25	6.12	1.80	0	0	0	0	0	26.37
269A	DIAMOND BAR RANCH NO. 1	.50	1.25	7.61	11.77	.09	8.59	2.37	0	0	0	0	.34	32.52
269B	DIAMOND BAR RANCH NO. 2 - HORSE CAMP	.61	1.21	7.30	10.27	.22	9.24	1.95	0	0	0	0	.43	31.23
270	COUNTY FARM - RANCHO LOS AMIGOS	.38	1.36	5.95	9.30	.99	5.17	1.59	0	0	0	0	.10	24.84
271	DOMINIQUEZ HILLS	.17	.85	3.01	7.67	.59	4.44	1.24	0	0	0	0	.13	18.10
272B	LOS ANGELES - HEADWORKS PUMPING PLANT	1.00	1.76	5.38	17.31	.49	7.98	1.68	0	0	0	0	.02	21.26
273C	SAN PEDRO HILLS - WALLACE	.22	1.10	5.08	8.69	.68	4.60	.87	0	0	0	0	.23	20.65
274	ACTON - HUBBARD	.67	.86	4.75	6.91	.49	5.83	.91	0	0	0	0	.13	35.64
275	SAN MARINO HUNTINGTON LIBRARY	.59	1.92	6.65	14.92	T	8.59	2.84	0	0	0	0	1.08	31.51
277	SAWMILL MOUNTAIN RANCH	1.43	2.61	5.00	12.98	1.06	5.98	1.37	0	0	0	0	0	25.32
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	.57	1.08	5.80	10.20	.51	5.75	1.41	0	0	0	0	.18*	42.52**
279A	PASADENA GLEN - KINNELOA RANCH	1.02	2.92	8.31	14.55	.83	11.06**	3.45*	0*	.20*	0*	0*	.18*	42.52**
280B	FLINTRIDGE FIRE STATION	1.18	2.42	7.82	16.91	.67	8.77	3.45	0	0	0	0	.18	41.40
283B	CRYSTAL LAKE - EAST PINE FLATS	2.88	4.33	11.15	16.79	1.17	13.17	3.81	0	0	.85	T	.42	54.57
284	PLACERITA CANYON	.62	1.87	4.33	14.96	.65	10.58	2.29	0	0	.01	0	.04	35.25
285C	MOUNT SAINT MARY'S COLLEGE	.67	1.65	6.83	13.77	.58	9.55	2.17	0	0	0	0	.05	35.27
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	1.04	2.01	7.96	10.42	.53	7.88	2.67	0	0	0	0	.28	32.79
289	LAGUNA - BELL - SO. CALIF. EDISON CO. SUBSTATION	.29	1.27	6.03	9.53	.79	5.66	1.25	0	0	0	0	.12	27.52**
290B	MONTEREY PARK - FIRE STATION	.54*	.97	5.63	11.01	.73	6.32	2.20	0	0	0	0	.08	23.61
291	LOS ANGELES - 96TH AND CENTRAL	.19	.82	5.49	9.25	.62	5.70	1.46	0	0	0	0	.01	37.82
292B-E	ENCINO RESERVOIR NO. 2	.49	1.92	4.56	17.39	.02	11.82	1.61	0	0	T	0	.15	32.95
293-E	LOWER SAN FERNANDO RESERVOIR	.48	1.74	6.74	11.60	.07	9.47	2.30	0	0	0	0	.17	38.52
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	.81	2.54	8.40	13.84	.03	9.60	3.01	0	.12	0	0	.13	33.42
295F	GLENDALE - KENNEDY	.72	1.81	6.05	14.65	.60	7.46	2.00	0	0	0	0	.13	33.42
298B	GORMAN	.87	.25	3.39	6.44	1.13	5.41	1.27	0	0	0	0	0	18.76
299C	LITTLE ROCK	.31	.32	2.53	4.64	.34	3.32	.20	0	0	.06	0		

TABLE VI
SEASONAL 1951 - 52 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEASON TOTAL
321-E	PIKE CANYON PATROL STATION	1.03	2.38	5.31	12.17	.67	8.05	1.31	0	0	0	0	.03	30.35
322	MUNZ VALLEY RANCH	.56	.67	2.30	7.67	.52	5.05	.54	0	0	0	0	0	17.31
334B-E	COGSWELL DAM	2.26	3.02	9.51	22.08	1.00	13.52	3.35	0	0	.09	T	.16	54.99
336	SILVER LAKE RESERVOIR	.88	1.57	5.56	13.11	.59	7.76	1.43	0	0	0	0	.09	30.99
338A	MOUNT WILSON - OBSERVATORY	2.89	4.63	11.49	18.51	.75	15.30	3.35	0	T	0	0	.25	57.17
338B	MOUNT WILSON - AIRWAYS STATION	2.18	3.85	11.58	16.75	.85	13.82	3.15	0	.01	0	0	T	52.44
339	WALNUT FRUIT GROWERS ASSOCIATION	.46	1.21	7.01	9.44	.11	8.80	1.41	0	0	0	0	.29	28.73
341	ALISO CANYON - BLUM RANCH	.36	.48	3.44	8.04	.47	5.34	.44	0	0	0	0	.18	18.75
342	UPLAND - CADNUM	.80	1.55	8.67	8.58	.69	9.73	1.91	0	0	0	0	.33	32.26
343B	RIVERA - TELEGRAPH ROAD	.36	1.35	5.50	9.78	.72	5.55	1.19	0	0	0	0	.07	24.52
347-E	BALDWIN PARK EXPERIMENTAL STATION	.67	1.11	6.37	9.67	.76	7.12	2.19	0	0	0	0	.18	28.07
349B	CAMP RINCON	2.16	2.72	9.84	15.46	.96	10.56	2.85	0	0	.06	.08	.40	45.09
351F	PALMDALE	.60	.72	4.24	6.25	.44	4.69	.68	0	0	.29	0	.35	18.26
352	LECHUZA PATROL STATION	.50	2.08	8.00	18.13	.51	9.90	2.48	0	.01	0	0	0	42.51
355	LOS ANGELES - CITY COLLEGE	.76	1.19	5.61	12.11	.70	7.12	1.54	0	0	0	0	.06	29.39
356B	SPADRA - PACIFIC COLONY	.44	.86	7.16	8.20	.21	8.58	1.31	0	0	0	T	.17	26.93
357	SAN FERNANDO POWER HOUSE NO. 3	.48	1.94	8.40	11.02	.11	9.71	2.16	0	0	0	0	.12	33.84
362	EL MIRADOR RANCH	1.33	2.88	7.26	15.66	.61	8.61	3.04	0	0	0	0	.15	38.64
364	HAINES CANYON - LOWER	1.94	2.35	6.57	16.32	.47	12.26	3.40	0	0	T	0	.08	43.39
367	HAINES CANYON - UPPER	2.60	3.62	8.10	18.60	.60	13.60	3.54	0	0	0	0	.10	50.76
372	SAN FRANCISQUITO POWER HOUSE NO. 2	.91	1.34	8.01	9.32	.07	7.21	1.76	0	0	T	0	T	26.62
373	BRIGGS TERRACE	1.72	2.82	8.54	16.92	.65	11.46	3.90	.02	.10	T	0	.26	46.39
375B	GRIFFITH PARK ZOO	.91	1.67	6.39	15.57	.60	7.05	1.53	0	T	0	0	.09	34.41
377F	LAKE SHERWOOD ESTATES	.58	1.12	5.66	15.80	.38	10.01	1.58	0	0	0	0	.05	35.18
379B	SAN GABRIEL - EAST FORK	1.83	2.79	9.48	14.07	.92	10.87	2.62	0	0	0	.23	0	43.26
380	EL SERENO - MORGAN	.51	1.49	6.05	13.42	.69	7.45	2.26	0	0	0	0	.17	32.04
381B	SANTA MONICA - OUTLOOK	.36	.98	7.01	9.30	.29	4.36	2.25	0	0	.10	0	.01*	24.66**
384B	HIGHLAND PARK SAN RAFAEL HILLS	.90	1.59	5.27	14.98	.72	8.04	3.10	0	0	0	0	.30	35.90
386C	ZUMA CANYON - OAKLEY	.72	2.08	9.71	22.80	.50	12.96	2.14	0	0	0	0	0	50.33
387B	COVINA - SEWAGE DISPOSAL PLANT	1.49	1.59	6.93	8.45	.42	7.62	2.21	0	0	0	T*	.27*	28.15**
388B	CLEARWATER - CO. FIRE STATION	.30	.96	5.13	8.67	.55	5.19	1.79	0	0	0	0	.08	22.67
389	GLENORA - BROWN	.98	1.79	8.31	10.76	.65	7.70	3.34	T	0	0	0	.32	33.85
390B-E	MORRIS DAM	1.41	2.27	10.75	13.97	1.79	8.66	3.57	0	T	0	0	.24	42.66
391B	MONTEBELLO - FIRE DEPARTMENT	.54	1.16	6.05	10.32	.83	5.28	2.24	0	0	0	0	.14	26.56
394	HIGHLAND PARK - LINDSAY	.62	1.41	5.99	14.45	.65	7.54	2.61	T	0	0	0	.17	33.44
395	OLIVE VIEW SANITARIUM	.74	2.64	7.89	12.06	.76	8.72	2.42	0	0	0	0	.30	35.53
402C	CEDAR SPRINGS - STATE PRISON CAMP	3.01	4.22	10.57	16.96	.69	15.26	3.18	0	0	0	0	.21	54.77
404	GLENDALE - OPID'S	1.03	2.05	6.69	14.73	.65	7.21	1.83	0	0	0	0	.12	34.31
405	SOLEDAD CANYON - ECKLES	1.02	1.55	4.26	10.51	.46	7.52	.61	0	0	0	0	.45	26.38
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT NO. 6	.66	1.50	7.13	9.51	.73	6.96	2.43	0	0	0	0	.31	29.23
407	NEWHALL - U.S.F.S. HEADQUARTERS	.61	1.56	5.70	15.42	.60	9.09	2.49	0	0	0	0	0	35.47
409	RIDGE ROUTE - STATE HIGHWAY MAINTENANCE STATION	.70	1.17	2.02	11.22	.63	7.47	1.12	0	0	.25	0	.15	24.73
410A	RIDGE ROUTE - PARADISE RANCH	1.15	2.37	5.10	12.56	.69	8.57	2.81	0	0	0	0	.11	33.36
411B	RIVERA - PICO - ROBINSON	.38	1.41	6.18	9.57	.98	5.65	2.10	0	0	0	0	.04	26.31
415	SIGNAL HILL - CITY HALL	.25	.85	4.01	6.66	.30	3.91	1.10	0	0	0	0	.11	17.19
416	ALTADENA - VENTURA STREET	.74	2.66	7.46	12.89	.59	9.21	3.50	0	.13	0	T	.20	37.38
417	SIERRA MADRE - LAMANDA PARK CITRUS ASSOCIATION	.75	2.05	6.37	14.82	.86	9.28	2.88	0	0	0	0	.10	37.11
419B	SANTA CLARA RIDGE - MOUNT GLEASON	1.71	3.02	8.02	13.90	.56	8.05**	1.56	0	0	0	0	.17	36.99**
420A	ACTON - COLOMB RANCH	.71	.92	4.09	9.21	.70	3.80	.44	0	0	0	0	.22	20.59
421B	LOPEZ CANYON BELOW MOUTH	.73	1.51	5.20	9.67	.56	7.80	2.04	0	0	0	0	.08	27.59
422C	PACOMA CANYON - WALSH RANCH	2.34	3.63	8.50	15.11	.62	9.82	3.34	.01	T	T	T	.15	43.61
423	ALISO CANYON - WAGON WHEEL RANCH	1.26	1.80	9.97	11.30	.77	8.04	1.12	0	0	.26	0	.41	32.95
425E-E	SAN GABRIEL DAM	2.76	2.51	11.21	16.50	1.16	11.29	3.42	0	T	.06	.01	.27	49.13
427	DOWNEY - JORDAN	.40	1.22	5.84	9.57	1.10	5.32	1.65	0	0	0	0	.09	25.19
430	SAUGUS - STATE HIGHWAY MAINTENANCE STATION	.27	.81	4.07	9.66	.50	5.85	1.34	0	0	0	0	0	22.50
432	SANTA ANITA - FERN LODGE	1.73	3.96	13.09	17.97	1.26	13.09	3.72	0	.07	T	0	.20	55.09
433	ALTADENA - FARNSWORTH PARK	1.42	2.84	8.12	13.96	.56	9.14	3.64	0	0	0	0	.20	39.88
434	MALIBU - DIVISION HEADQUARTERS	.34	1.14	4.47	14.88	.45	10.29	1.32	0	0	0	0	.06	32.89
435	MUNTE NIDO	.67	2.86	6.35	16.29	.65	9.57	2.00	0	0	0	0	.03	38.75
436B	HANSEN DAM - OFFICE	.40	1.17	4.73	7.76	.03	6.08	1.87	0	0	0	0	.03	22.07
437	HAMILTON BOWL - LONG BEACH	.18	.83	3.44	6.07	.31	3.74	1.35	0	0	0	0	.08	16.00
440B	CHILAO - U.S.F.S. CAMP	1.62	2.26	6.92	12.34	.64	11.77	2.79	0	0	.15	0	.54	39.03
441-E	PALMDALE - COUNTY ROAD MAINTENANCE YARD	.47	.46	4.30*	5.38	.19	4.19	.41	0	0	.17	0	.19	16.36**
442	MESCAL CREEK - FORT TEJON ROAD	.36	.30	2.27	3.46	.45	4.15	.64	0	0	1.48	0	1.01	14.12
443	LATIGO CANYON ROAD AT MULHOLLAND ROAD	.68	1.88	7.02	21.68	.55	12.96	2.31	0	T	0	0	0	47.06
444B	ROLLING HILLS	.38	1.45	5.10	8.91	.52	5.20	1.01	0	0	0	0	.05	22.62
445B	LIVE OAK DAM	.97	2.10	9.03	8.46	.56	8.71	2.28	0	.02	0	0	.22	32.35
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	.67	1.72	8.96	14.80	.64	8.46	3.20	0	0	0	0	.09	38.45
447B	LAS FLORES PATROL STATION	.39	1.43	6.64	9.65	.42	6.73	2.01	0	.01	0	0	.06	27.34
449B	EATON DAM	.90	2.54	7.16	14.01	.83	8.65	3.13	0	.11	0	T	.18	37.51
451B	CASTAIC PATROL STATION	.70	1.00	4.81	8.92	.31	6.16	1.68*	0*	.05	0*	0*	.06*	23.69**
453B	DEVIL'S GATE DAM	1.57	2.57	7.85	14.21	.51	8.61	3.30	0	0	.02	0	.19	38.83
455	LANCASTER - STATE HIGHWAY MAINTENANCE STATION	.44	.18	2.26	4.38	.46	3.98	.92	0	0	.09	T	.26	12.97
456	PIUTE BUTTE - GOLDEN MESA DUDE RANCH	.37	.07	2.52	3.21	.24	2.20	.59	0	0	.23	0	.02	9.45
458	ZUMA CANYON PATROL STATION	.33	1.13	7.22	12.97	.53	5.71	1.12	0	T	0	0	0	29.01
460	PLEASANT VIEW MESA - MATAY	.62	1.02	4.82	7.17	.72	5.84	.61	0	0	0	0	.33	21.13
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	.50	1.15	5.52	8.43	.53	5.52	1.42	0	0	0	0	.15	23.22
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	.55	1.20	6.10	10.97	.50	10.71	1.27	0	0	0	0	.03	27.33
463	MAR VISTA - SO. CALIF. WATER COMPANY	.22*	1.09*	7.26*	7.16	.73*	6.10	1.12	0	0	0	0	.02	23.70*
464	TUJUNGA CANYON - HONOR CAMP NO. 5	2.06	3.15	7.06	9.66	.68	8.26	2.20	0	0	.49	0	.32	33.88
465B	SEPULVEDA DAM	.71	1.05	3.85	9.59	.01	6.29	.80	0	0	0	0	T	21.50
466B	PACOMA CANYON - DUTCH LOUIE CANYON	2.22	3.52	9.32	14.34	.63	8.24	3.73	0	0	0	0	.17	42.17
468-E	PICKENS DEBRIS BASIN	1.33	2.33	7.64	14.92	.99	9.49	3.16	0	.05	0	0	.09	40.00
469	LOS ANGELES - CRISLER	.68	1.36	6.42										

TABLE VI
SEASONAL 1951 - 52 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEASON TOTAL	
492	CHILAO - STATE HIGHWAY MAINTENANCE STATION	1.55	2.10	6.62	12.08	.81	8.98	2.67**	0	0	.38	T	.52	35.71**	
493	SAND CANYON - MACMILLAN RANCH	1.04	2.09	4.34	11.82**	.94	11.57	1.77	0	0	0	0*	.30	33.87**	
494B	PICO - GATE	.49	1.40	6.07	9.81	1.09	5.93	2.18	0	0	0	0	.23	27.20	
485	LOS ANGELES - EIGHTH AND FIGUEROA STREETS	.48	1.28	6.03	11.53	.60	7.32	1.61	0	0	0	0	.16	29.01	
497	CLAREMONT - SLAUGHTER	.78	1.95	8.11	7.78	.50	8.07	1.97	0	.03	0	0	.23	29.42	
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	2.10	3.49	9.82	14.86	.77	10.96	4.26**	.03*	.20*	0*	0*	.30*	46.79**	
508C	ARROYO SECO - RANGER STATION	2.10	2.41	8.35	14.69	.55	9.00	3.49	T	.04	0	0	.20	40.82	
517B	ANDERSEN RANCH	.92	1.14	6.25	8.34	.54	5.99	.92	0	0	.08	0	.41	24.60	
530	CONEJO CANYON	.53	.65	4.47	11.94	.38	7.94	1.45	0	0	0	0	.27	27.37	
542	FAIRMONT	.73	1.77	3.84	11.86	.11	7.67	.97	0	0	T	0	0	26.95	
551	HUENEME LIGHTHOUSE	.34	1.25	4.68	9.43	.44	7.19	2.33	0	0	0	0	0	25.64	
557	LA HABRA - CITRUS ASSOCIATION	.52	1.26	6.78	8.49	.04	6.66	1.44	0	T	0	0	.11	25.30	
565B	LONG BEACH - CITY AUTOMATIC	.21	.71	3.19	7.03	.05	4.06	1.28	0	T	0	0	0	16.53	
566	LONG BEACH NO. 1	.39	1.08	3.88	6.86	.02	5.04	1.01	0	T	0	0	T	18.28	
571C	LONG BEACH NO. 6	.22	.71	2.96	5.77	T	4.06	.95	0	T	0	0	T	14.67	
575C	LONG BEACH WEATHER BUREAU	.21	.72	3.52	7.33	.42	4.46	1.43	0	T	0	T	.05	18.14	
577E	LOS ANGELES - U.S.W.B. - 6TH AND MAIN STREETS	.51	1.32	5.55	10.89	.58	6.59	1.43	T	T	T	T	.11	26.98	
577F	LOS ANGELES - U.S.W.B. - FEDERAL BUILDING	.59	1.29	5.80	10.03	.63	6.15	1.58	T	T	T	T	.13	26.20	
587	SAN ANTONIO CANYON - POWER HOUSE NO. 1	1.50	2.97	10.06	10.84	.30	10.68	2.63	O	R	D	O	.48	39.46	
588B	MOUNT LOWE	2.96			N	O	R	E	C	O	R	D	O	.29	INC.
593B	NEWHALL RANCH	.78	1.22	5.14	13.08	.64	8.52	1.35	0	0	T	0	0	30.73	
598	NEENACH	.40	.32	2.55	5.47	.61	6.59	1.45	0	0	.04	0	.04	16.47	
610A	PASADENA - JONES	.88	2.80	7.46	15.89	.62	8.93	3.06	0	.05	0	0	.12	39.49	
610B	PASADENA - CITY HALL	.67	1.93	6.74	14.96	.66	8.53	3.13	0	0	0	T	.13	36.75	
611B	PASADENA - ALLEN	1.04	2.61	7.35	11.63	.11	8.41	3.06	0	.13	0	0	.12	34.46	
612	PASADENA - CHLORINE PLANT	1.75	3.03	8.04	12.64	.63	8.70	3.25	0	.09	0	T	.22	38.35	
613B	PASADENA - HURLBUR FIRE STATION	.63	1.88	6.32	14.02	.64	7.21	2.87	0	0	0	0	.23	33.80	
617	POMONA - ADAMSON	.49	1.10	8.13	8.40	.33	8.11	1.48	0	0	0	0	.27	28.31	
619	SAN ANTONIO CANYON - SIERRA POWER HOUSE	1.82	3.44	12.05	14.46	.36	10.58	3.25	0	0	T	0	.68	46.64	
627	SAN GABRIEL CANYON POWER HOUSE	1.04	1.89	8.81	11.54	.67	8.74	3.17	0	0	0	T	.19	36.05	
629C	SAN PEDRO U.S.W.B.	.07	.99	3.69	6.62	.51	3.92	.80	0	0	0	0	.06	16.66	
634B	SANTA MONICA - CITY HALL	.23	1.22	7.53	9.55	.44	5.97	1.27	0	0	.04	T	.01	26.26	
644	SOMIA - SNYDER RANCH	.70	1.50	4.99	10.25	.13	5.94	1.16	0	0	0	0	0	24.67	
647C	SUNLAND - TUJUNGA	.94	1.97	5.72	15.33	.54	8.98	2.26	0	.01	.03	0	.08	35.86	
650B	UPLAND - BAIRD	1.08	2.01	8.68	8.68	.42	8.42	2.13	0	T	0	0	.31	31.73	
656A	SUNLAND	1.04	1.95	5.52	10.50	.04	8.39	1.77	0	0	0	0	.06	29.27	
660	OXNARD	.37	1.10	5.60	10.27	.61	5.27	1.77	0	0	0	0	0	24.99	
662	LONG BEACH - 37TH AND GAVIOTA	.39	1.06	4.11	7.35	T	4.65	1.97	0	0	0	0	0	19.33	
666	LONG BEACH - SOUTH AND LEMON	.41	.79	4.63	8.15	.03	5.21	1.32	0	.02	0	0	0	20.56	
671B	LOS ANGELES-WABASH - SO. CALIF. EDISON CO.SUBSTA.	.48	1.08	5.77	12.63	.72	7.63	1.84*	0*	0*	0*	0*	.09*	30.24**	
672	EAGLE ROCK - SO. CALIF. EDISON CO. SUBSTATION	1.10	1.63	6.40	15.55	.63	8.42	3.45	0	.01	0	0	.17	37.36	
673B	SEAL BEACH - LOS ANGELES POWER & LIGHT CORP.	.28	.76	3.95	6.48	.11	4.69	.83	0	0	0	T	.04	16.19	
676	LOS ANGELES - WEST BOTH STREET	.42	2.80	6.06	9.26	.54	6.44	1.66	0	T	0	0	.06	25.24	
677C	PASADENA - HOFFNER	1.45	2.19	7.31	15.17	.55	8.29	3.15	0	0	0	0	.19	38.30	
678	PASADENA - SHELDON RESERVOIR	1.19	2.28	7.39	14.92	.62	8.75	3.31	0	T	0	T	.18	38.64	
679	PUEENTE - NORTH WHITTIER HEIGHTS CITRUS ASSOC.	.70	1.42	8.67	10.15	.36	7.42	1.55	0	0	0	0	.27	30.54	
680	WESTWOOD - U.C.L.A.	.48	1.56	6.57	11.71	.35	9.35	1.91	T	T	T	T	.02	31.95**	
683	SUNSET RIDGE GUARD STATION	2.04	2.99	8.02	12.37	.65	8.16	2.88	0	0	0	0	.36*	37.47**	
689B	SAN MARINO - COOPER	.74	1.97	6.76	14.58	.71	7.83	3.42	0	0	0	0	0	36.21	
691	SAN ANTONIO SPREADING GROUNDS	1.42	2.68	9.15	9.13	.45	9.30	2.63	0	0	0	0	.31	35.07	
694D	TUJUNGA CANYON - FOSTER	1.18	2.00	5.88	9.84	INC.	N	O	R	E	C	O	R	D	N.I.
695	TUJUNGA CANYON - VALHALLA RANCH	2.45	3.43	7.68	16.78	.08	13.80	2.54	0	0	.11	0	.05	46.92	
696	PASADENA GLEN	1.09	2.96	8.31	14.59	0	10.97	3.45	0	.20	0	0	.18	41.75	
703	GLENDALE - MC INTYRE	1.08	1.95	6.09	14.27	.68	7.37	1.96	0	0	0	0	.20	33.60	
705	ALDER CREEK - PARADISE RANCH	1.75	2.88	6.79	11.77	.68	8.69	3.02	0	0	0	0	.17	35.55	
706	RIVERA - HADLEY RANCH	.39	1.37	6.28	9.89	1.23	5.51	2.08	0	0	0	0	.05	26.80	
715	L.A. (NO. 2 - U.S.W.B.) P.O. TERMINAL BLDG.	.59	1.38	5.94	12.08	.58	7.16	1.72	T	T	T	T	.11	29.56	
716	L.A.W.O. - CUCUMBIN STREET	.49	1.33	5.99	12.04	.62	7.43	1.84	0	0	0	0	.09	29.83	
718	THOUSAND OAKS	.43	.70	4.63	11.29	.38	8.25	1.53	0	0	0	0	T	27.21	
719	DUARTE - MADDOCKS RANCH	.90	1.70	8.05	11.90	1.22	7.30	4.18	0	.02	0	0	.11	35.38	
720	SIRI VALLEY - SMITH RANCH	.44	.86	4.85	14.29	0	9.71	2.59	0	0	0	0	0	32.84	
722B	BELLEVIEW - STRATMAN	.85	1.05	3.97	8.48	.72	5.16	1.01	0	0	.17	0	.08	21.19	
723	STONE CANYON - SAN FERNANDO VALLEY	.75	1.60	5.32	16.75	.08	10.08	1.72	0	.01	T	0	.02	36.33	
724	DIC DALTON - MONROE CANYON FLUME	1.68	2.34	10.79	11.52	.91	10.38	3.29	0	0	0	0	.46	41.57	
725	BIRMINGHAM HOSPITAL	.50*	1.25*	3.89	10.83	.32	8.83	1.02	0*	0*	0*	0*	.08	26.72**	
726	ANGELES CREST - GUARD STATION	2.50	3.12	10.15	16.98	.68	12.02	4.21	.04	.23	0*	0*	.25**	50.18**	
727	NEWCOMB PASS	2.76	4.92	13.10	23.61	.70	12.16	3.58	0	0	0	0	.16	60.99	
728	PACOIMA CANYON - CITY ROAD GAGE	2.91	3.87	10.16	15.08	1.55	10.28	3.71	0	0	0	0	.30	47.86	
730	MILLARD CANYON - DAWN MINE	2.44	3.61	8.79	13.86	1.44	9.81	3.83	0	0	0	0	.30	44.10	
731	OAK GROVE HEADQUARTERS - U.S.F.S. FLOOD CONTROL	1.68	2.73	7.81	15.83	.92	9.45	2.92	0	0	0	0	.35	41.69	
732B	ROBERT'S CANYON - SAN GABRIEL W. FORK DIVIDE	2.37	3.17	11.11	25.83	1.16	15.79	3.90	0	0	.09*	0	.16*	63.58**	
734	LOS ANGELES MUNICIPAL AIRPORT	.23	.71	4.63	7.23	.72	4.33	1.21	T	T	T	T	.06	19.12	
735	BELL CANYON - PLATT RANCH	.40*	1.00**	4.47	9.73	.50	8.10**	1.69**	0*	0*	0*	0*	.03*	25.89*	
737	UPPER SESPE - CHORO GRANDE RANCH	.64	2.16	4.57	16.39	1.36	6.89	1.96	0	0	.26	0	.03	34.20	
739	SANTA PAULA - LIMONERA RANCH	.60	1.94	5.16	11.79	.39	8.09	2.06	0	0	0	0	.04	30.07	
740B	SAN DIMAS CANYON - FERN NO. 2	2.10	3.69	11.18	14.71	.65	12.84	3.99	0	0	0	0	.62	49.78	
741	SAN DIMAS CANYON - UPPER EAST FORK	1.72	2.87	10.68	12.10	.49	11.21	3.34	0	0	0	0	.52	42.93	
742B	SAN GABRIEL - FIRE DEPARTMENT	1.04	1.08	6.05	13.59	.71	7.74	2.26	0	0	0	0	.16	32.63	
746	MOHAVE - BACKUS RANCH	.44	.17	1.73	3.75	.26	3.75	.13	0	0	T	T	.04	10.27	
747	SANDBERG - AIRWAYS STATION	1.44	.56	2.77	6.42	.63	2.59	.70	0	0	.01	.01	.10	15.23	
749	BURBANK - U.S.W.B.	1.15	1.06	5.07	13.42	.33	7.23	1.29	T	T	T	T	.22	11.30	
750	PALMDALE - C.A.A.A.C. STATION	.33	.15	2.04	3.69	.65	2.82	.75	0	0	.65	T	.11	16.32	
751	TORRANCE - FIRE DEPARTMENT	.21	.56	3.98	6.64	.45	3.58	.79	0	T	T	T	.03	36.18	
752	YONROVIA - GEARY	.93	1.52	8.58	12.54	.78									

TABLE VI
SEASONAL 1951 - 52 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEASON TOTAL	
771	RUSTIC CANYON	.53	.98	6.49	10.96	.30	7.98	1.70	0	0	0	0	.02*	28.96**	
772	LOS ANGELES - ECHO PARK & LUCRETIA	.70	.65	5.06	11.96	.70	6.48	1.54	0	0	0	0	.12*	27.21**	
774	BARLOW SANITARIUM	.64	1.16	5.55	12.02	.72	7.01	1.80	0	0	0	0	.12	29.02	
775	LOS ANGELES - 8TH AND CROCKER	.34	1.05	5.44	10.29	.60	6.11	1.52	0	0	0	0	.10	25.45	
776	NICHOLS CANYON - WOODROW WILSON	.77	1.98	6.24	16.44	.95	7.69	1.95	0	0*	0*	0*	.09*	36.05**	
777	KENTER CANYON - NORTH KENTER	.62	1.21	6.76	12.11	.93	9.16	1.99	0	0*	0*	0*	.02*	32.80**	
778B	SEFULVEDA CANYON - BELLAGIO ROAD 11817	.63	1.49	6.72	12.13	.60	9.62	2.08	0	0*	0*	0*	.03*	33.33**	
779	GRIFFITH PARK - LOWER MINERAL WELLS	1.05	1.55	5.99	18.19	.50	7.79	1.78	0	0*	0*	0*	.07*	36.92**	
780	GRIFFITH PARK - UPPER MINERAL WELLS	.95	1.52	5.55	16.20	.47	7.00	1.77	0	0*	0*	0*	.06*	33.52**	
783	COON CANYON	1.91	2.67	8.34	14.02	.97	8.59	3.21	0	0	0	0	.29	40.00	
784	COON CANYON	1.83	2.59	8.23	13.69	1.02	8.75	3.45	0	0	0	0	.31	39.87	
785	COON CANYON	2.01	2.84	8.62	14.44	1.05	8.97	3.60	0	0	0	0	.33	41.86	
786	COON CANYON	1.99	2.61	8.16	13.56	1.04	7.51	3.38	0	0	0	0	.34	38.61	
787	COON CANYON	1.97	2.81	8.25	13.94	1.06	8.38	3.52	0	0	0	0	.32	40.25	
788	COON CANYON	2.02	2.67	8.28	13.65	.95	8.05	3.35	0	0	0	0	.25	39.22	
789	EL PRIETO CANYON	1.98	3.28	8.21	14.31	1.16	8.60	3.64	0	0	0	0	.36	41.54	
790	FILLMORE LEMON ASSOCIATION	.80	2.49	5.77	13.32	.36	9.47	1.65	0	0	0	0	0	33.86	
791	SATICOY - CULBERTSON LEMON ASSOCIATION	.40	2.04	4.71	10.19	0	8.03	1.88	0	0	0	0	0	27.25	
792	SANTA PAULA - COUNTY AGRICULTURE OFFICE	.88	2.47	4.97	12.29	.10	9.52	1.69	0	0	0	0	0	31.91	
793	MARKHAM SADDLE	3.32	4.76	10.27	14.59	1.66	9.22	3.91	0	0	0	0	.36	48.09	
794	LOWER FRANKLIN RESERVOIR	.38	1.47	5.83	13.23	.82	8.47	1.94	0	0	0	0	T	32.14	
795	PASADENA - JOURDAN	.66	2.17	6.51	13.92	.92	7.72	3.21	0	.01	0	0	.10	35.22	
796	L.A.F.D. RADIO TOWER - ELYSIAN PARK	.65	1.19	4.12	8.97	.70	5.29	1.39	0	0	0	0	.12	22.43	
797	DE SOTO RESERVOIR	.36	1.04	6.35	12.66	.16	7.94	2.13	0	0	0	0	0	30.64	
799	BALDWIN HILLS RESERVOIR	.48	.96	4.92	6.81	T	6.63	1.44	0	.01	T	T	.05	21.30	
801	MAGIC MOUNTAIN	2.13	3.35	8.50**	13.30*	.87*	8.62*	2.40**	0	0	0	0	.58	39.75*	
803	STONE CANYON RESERVOIR - WEST SIDE	.60	1.61	5.79	15.58	.29	9.40	1.70	0	0*	0*	0*	.02*	34.99**	
804	UPPER MINERAL WELLS - GRIFFITH PARK	1.00	1.60	6.29	18.60	.56	8.34	2.03	0	0*	0*	0*	.06*	38.46**	
805	2771 ROWENA AVENUE - BEN PACHECO	1.10	1.26	5.40	13.62	.72	7.12	1.60	0	0*	0*	0*	.12	30.94**	
806	2376 TEVIOT STREET - W.C. OLSON	.67	1.48	5.20	12.87	.74	6.63	1.80	0	0*	0*	0*	.12	29.51**	
1000	HUNT CANYON - BONES RANCH	.39	.45	4.21	6.57	.71	4.08	.25	0	0	.70*	0	.35**	17.71**	
1002	TUJUNGA - TANGUAY	1.22	1.98	5.98	13.08	.73	9.84	2.59	0	.01	.03	0	.07	35.13	
1004	MALIBU CREEK - CRATER CAMP	.59	3.10	6.84	18.55	.75*	10.25**	2.00*	0*	0*	0*	0*	.05*	42.14**	
1005	MINT CANYON - THE OAKS	.60	1.55	5.06	6.39	.60	6.44	1.49	0	0	0	0	.29	22.42	
1006	SAN PEDRO - CITY RESERVOIR	.19	.91	4.23	6.78	.73	3.83	.87	0	0	0	0	T	17.54	
1007B	ANGELES CREST HIGHWAY - CAMP VALCREST	1.70	3.40	8.71	15.88	.92	12.44	1.51	0	0	0	0	.07	44.78**	
1008-E	LA FRESA - 50, CALIF. EDISON CO. SUBSTATION	.22	.99*	4.60	7.04	.43	3.83	1.10	0	0	.15*	0	.07	18.28	
1909	MINT CANYON - DYER	.51	1.04	4.15	9.17	.42	7.28	.87	0	0	0	0	.21	23.65	
1010B	PALMER CANYON - FORKS	1.52	2.64	10.19	10.56	.84	10.44	3.08	0	.09	0	0	.30	39.66	
1011	SAN PEDRO HILLS - SWAFFIELD	.29	.99	6.29	9.44	.72	4.37	1.22	0	0	0	0	.04	23.36	
1012	CASTATE JUNCTION	.49	.80	4.36	10.15	.30	6.89	1.68	0	0	.07	0	.06	24.80	
1013B	TUJUNGA CANYON - ABOVE GOLD CANYON	1.52	2.21	6.52	13.07	.70	11.18	2.13	0*	0*	.05*	0*	.15**	37.53**	
1014B-E	RIO HONDO SPREADING GROUNDS	.44	1.24	6.17	9.46	1.04	5.48	2.08	0	0	0	0	.03	25.94	
1016	PALO COMADO CANYON - AGOURA	.44	.98	4.46	12.54	.16	9.47	1.45	0	0	0	0	0	29.50	
1017	LITTLE ROCK CREEK - ABOVE SANTIAGO CREEK	.69	.68	4.34	7.11	.55*	4.97**	.27*	0	0	.52	0	.61**	19.74**	
1018	OAT MOUNTAIN - DEVIL'S CANYON	.49	1.44	7.88	14.10	.82	6.46	3.29	0	0	0	0	0	38.48	
1019	SANTA SUSANA MOUNTAINS - SALT CANYON	.48	1.43	7.81	13.94	1.00	10.24	4.00	0	0	0	0	.01	38.91	
1020	PADUA HILLS PATROL STATION	1.30	2.56	9.33	9.28	.60	9.42	2.18	0	0	0	0	.29	34.96	
1021	YERBA BUENA WATER TANK	2.73	4.32	11.46	17.65	.77	10.14	4.59*	0	0	0	0	.21*	51.87**	
1022	HASLEY CANYON - WESTERN GULF OIL COMPANY	1.17	1.16	5.32	10.95	.54	7.86	1.91	0	0	0	0	.05	28.96	
1023B	GARRAPATA - SPEER	N	O	O	O	N	S	A	L	L	E	D	0	.21	INC.
1024B	TOPANGA - DE WITT	.75	2.11	6.29	17.92	.50	12.94	1.85*	0	0	0	0	0	42.37**	
1025	MALIBU BEACH - DUNNE	.33*	1.13*	7.22*	11.35	.65	6.34	1.40	T	.01	0	0	0	26.49**	
1026	SANTA ANITA ABOVE WINTER CREEK	1.59	3.79	12.29	16.63	1.30	11.69	4.04	0	.16	0	0	.18	51.67	
1028	CORRAL CANYON - STEWART	.51	2.37	8.50	13.20	.86	9.47	1.88	.03	.04	0	0	0	36.86	
1029	TUJUNGA - MILL CREEK SUMMIT	.92	1.70	7.41	9.06	.23	3.86**	1.24*	0*	0*	.60*	0	.65**	25.67**	
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	3.34*	5.02	12.95	19.48	1.35	15.28	4.42	0	0	1.00*	0	.48*	63.32**	
1031	WATERMAN MOUNTAIN	N	O	O	O	R	E	C	O	R	D	0	0	28.75*	
1032	MALIBU CANYON - CAMP 3	.73	2.76	8.42	16.07	.60	7.31	3.50	0	0	0	0	.10	39.49	
1034	SANTA CLARA - 65 RANCH AIRPARK	.42	1.03	4.05	9.88	.45	7.02	.90	0	0	0	0	.17	23.92	
1035	WHITTIER - WOOD	.53	1.63	6.75	9.56	.79	5.81	2.13	0	0	0	T	.05	27.25	
1036	LITTLE TUJUNGA CANYON	1.97	2.63	8.26	12.71	.14	9.80	3.70	0	0	0	0	0	39.21	
1037-E	ARCADIA - ARBORETUM	.66	1.51	7.37	13.35	.82	7.87	2.96	0	.01	0	T	.21	34.76	
1038	PACIFIC MOUNTAIN	1.15	1.48	6.25	7.31	.55	6.43	1.43	0	0	.06*	0	.44*	25.10**	
1039	LOS ANGELES - MC QUEEN	.50	1.32	5.78	11.75	0	8.40	1.61	0	0	0	0	.05	29.41	
1040	POTRERO CANYON - SUNRAY OIL CORP.	.48	1.09	4.86	11.65	.40	9.79	1.58	T	0	0	0	0	29.87	
1041B	SANTA FE DAM	.60	1.41	6.28	9.22	0	7.19	3.51	0	0*	0	0	.14	28.35	
1042	EASTFIELD GATE - ROLLING HILLS	.23	.98	6.35	10.54	.75	4.68	1.09	0	0	0	0	.05	24.67	
1043	EAST CREST GATE - ROLLING HILLS	.18	1.10	5.18	9.37	.59	3.78	.76	0	0	0	0	.04	20.98	
1044	PORTUGUESE BEND	.11	.88	4.29	6.48	.46	2.84	.79	0	0	0	0	.08	15.93	
1045	WEST GATE - ROLLING HILLS	.15	1.37	4.52	7.43	.59	3.32	.64	0	0	0	0	.03	18.05	
1046	BIG SANTA ANITA	1.55	2.11	6.29	17.92	.50	12.94	1.85*	0	0	0	0	0	INC.	
1047	PUENTE - REINHARD	.58*	1.10	6.85	9.94	.42	6.99	1.74	0	0	0	0	.30	27.92	
1048	LA CRESCENTE - COUNTY ROAD DEPARTMENT	1.35*	2.08	7.94	17.89	.49	9.55	3.16	0	.02	.01	0	.14	42.83**	
1049	BURBANK LEGION RIFLE CLUB	.52*	1.50	5.06	11.68	.05	6.93	1.63	0	0	0	0	.05	27.42**	
1050	OLD TOPANGA CANYON - GRAY	N	O	T	I	N	S	T	A	L	L	E	D	INC.	
1051	CANOGA PARK - PIERCE COLLEGE	.42	1.02	4.18	11.15	.40	8.75	1.47	0	0	.02	0	.01	27.42	
1052	CAMP JOSEPHO	N	O	T	I	N	S	T	A	L	L	E	D	INC.	
1053	TUJUNGA CANYON - SOLOMON	N	O	T	I	N	S	T	A	L	L	E	D	INC.	
1054	VETERANS' HOSPITAL - SAN FERNANDO	.90	2.21	8.22	13.94	.53	10.40	5.58	0*	0*	0*	0*	.17	41.95**	
X-6	ENCINO	.67	1.87	4.99	19.54	0	11.91	2.04	0	0	0	0	0	41.02	
X-7	LLANO - PETERSEN	.29*	.22	2.06	3.54	.33	2.69	.46*	0	0	1.08*	0	.55*	11.22*	
X-9	C. V. I. - COLES	.45	.43	1.93	4.44	.65	3.78	.45	0	0	0	0	0	12.13	
X-10	FAIRMONT - BARNES	.59	.98	2.10	9.10	.32	4.98	.36	0	0	0	0	0	18.43	

TABLE VII
SEASONAL 1952-53 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
2B	ESCONDIDO CANYON	0	5.05	4.04	1.66	T	1.51	2.12	.03	.10	.02	0	0	14.53
3B	SEMINOLE HOT SPRINGS	0	6.29	6.99	.93	0	.60	1.09	0	0	0	0	0	15.90
5B	CALABASAS	0	4.69	4.52	1.13	.02	.40	1.20	0	.07	0	0	0	12.03
6	TOPANGA PATROL STATION	0	5.45	5.55	1.61	0	.54	1.71	.02	.04	0	0	0	14.92
7C	BEL AIR BAY CLUB	0	3.81**	3.30**	1.10	.02*	.40	1.65	0	.03*	0	0	0	10.11**
9B	SEPULVEDA & RAYEN	0	3.93	3.62	1.40	.07	.24	1.82**	.24	.02	0	0	0	11.14**
10	BEL AIR HOTEL	0	4.31	3.79	1.66	0	.40	2.18	0	.10	0	0	0	12.44
11C	UPPER FRANKLIN CANYON RESERVOIR	0	4.88	3.89	1.36	.12	.34	1.57	T	.07	.02	0	0	12.25
12	FRANKLIN CANYON & MULHOLLAND HIGHWAY	0	5.27	5.51	1.35	0	.31	1.61	0	.05*	0	0	0	14.10**
13	NORTH HOLLYWOOD - BLIX	0	3.97	3.84	.98	.05	.21	1.21	0	.01	0	0	0	10.28
14	ROSCOE - MERRILL	0	3.61	3.60	.19	.05	.41	1.07	.08	T	0	0	0	9.92
15	YAN NUYS - CITY WAREHOUSE	0	4.71	3.76	1.16	.01	.17	1.01	.08	0	0	0	0	11.14
17	SEPULVEDA CANYON & MULHOLLAND HIGHWAY	0	5.36	5.16	1.23	0	.25	1.58	0	0	0	0	0	13.58
18C	RESEDA	0	4.74	4.47	1.06	.03	.17	1.35	.23	.04	.02	0	0	12.11
20B	GIRARD RESERVOIR	0	4.96	5.20	.95	.03	.34	1.54	T	.05	T	0	0	13.07
21	BRANT RANCHO - GIRARD	0	3.93**	4.00	1.00	.03	.25	1.31	.10	.05*	.01*	0	0	10.68**
23-E	CHATSWORTH RESERVOIR	0	3.99	3.78	1.44	.03	.39	1.86	.33	.11	0	0	0	11.93
24D	CHATSWORTH	0	4.04	3.03	1.60	.01	.42	1.94	.04	.13	0	0	0	11.21
25B	NORTHRIDGE - ANDREWS	0	3.90	3.93	1.60	.02	.29	1.70	.09	.05	0	0	0	11.48
27B	PACOMA - RADDATZ RANCH	0	3.85	3.27	1.24	.08	.35	1.29	.19	0	0	0	0	9.97
28D	SAN FERNANDO LEMON ASSOCIATION	0	4.08	3.49	1.39	.05	.58	1.74	.08	.03	0	0	0	11.39
29B	GRANADA PUMP PLANT	0	4.22	3.96	2.16	.02	.69	2.47	.10	0	0	0	0	13.62
30	SYLMAR	0	4.52	3.96	1.74	.08	.86	2.06	.04	.03*	0	0	0	13.29**
31	ORCUTT RANCH - OAT MOUNTAIN	0	5.56	7.21	3.37	.04	1.70	3.14	.25	.09*	0	0	0	21.36**
32C-E	NEWHALL - SOLEDAD DIVISION HEADQUARTERS	0	3.85	4.34	.69	.02	.18	1.40	.59	0	0	0	0	11.06
33A-E	PACIFIC DAM	0	4.12	3.72	1.77	.36	1.08	1.81	.29	.08	0	0	0	13.15
38B	SUNSET DAM	0	4.02	5.11	.99	.04	.89	.98	.10	.11	0	0	0	12.24
42	REDONDO CITY HALL	0	2.40	2.83	1.20	.07	.41	2.27	.01	.04	.02	0	.01	17.78
43A	PALOS VERDES ESTATES - FIRE STATION	0	2.40	2.27	.57	.12	.30	.92	T	0	0	0	0	6.58
43B	PALOS VERDES GOLF CLUB	0	2.49	2.77	.80	.11	.55	1.24	0	0	0	0	0	7.96
44	POINT VICENTE LIGHTHOUSE	0	2.21	2.25	.92	.03	.31	1.17	.04	.05	0	0	0	6.98
46D-E	BIG TUJUNGA DAM NO. 1	0	4.37	5.35	1.03	.22	1.10	1.23	.18	0	0	0	0	13.48
47A	CLEAR CREEK - CITY SCHOOL	0	4.71	5.02	1.56	.27	2.28	1.72	.18	T	0	0	0	15.74
47C	CLEAR CREEK	0	4.35	5.32	1.62	.23	1.66	1.36	.21	T	0	0	0	14.75
48	OAK WILDE	0	3.39	5.14	1.07	.21	1.73	1.47	.12	.12	0	0	0	13.25
50B	LA CANADA - ARROYO SECO	0	4.41	4.61	1.31	.10	1.52	1.46	.05	.02	0	0	0	13.48
51	FALLING SPRINGS	0	4.67	5.93	1.42	.63	2.12	1.71	.71	0	0	.03	0	17.28
52B	SWITZER'S CAMP	0	4.70	5.03	1.45	.22	1.43	1.33	.11	0	0	0	0	14.27
52C	WATERMAN GUARD STATION	0	4.77	5.10	1.40	.33	1.74	1.46	.12	0	0	.05	0	14.97
53D	COLBY'S	0	4.36	4.67	1.12	.28	1.16	1.18	.17	0	0	0	0	12.94
54B	LOOMIS RANCH - ALDER CREEK	0	3.52	3.60	.89	.88	.88	1.33	.27	T	0	.09	0	11.46
57B-E	OPID'S	0	5.69	7.33	2.16	.65	2.07	1.76	.22	0	0	.06	0	19.94
58	STURTEVANT CAMP	0	5.61	8.21	3.16	.81*	3.02*	2.34*	.32*	0	0	0	0	23.47**
60A	HOEGEE'S	0	6.17	6.05	2.79	1.00	3.04	2.26	.28	0	0	.02	0	23.61
63B-E	BIG SANTA ANITA DAM	0	4.80	4.86	1.58	.49	1.92	1.89	.29	.22	0	.02	0	16.07
67C	NOROVIA FIRE DEPARTMENT	0	4.78	4.56	1.22	.61	1.12	1.34	.13	.05	0	0	0	13.81
68B	SAWPIIT DAM	0	4.24	4.26	1.17	.31	1.00	1.24	.04	.13	0	0	0	12.39
69B	SAWPIIT CANYON	0	4.70	5.04	1.45	.22	1.43	1.33	.11	0	0	0	0	16.12
70B	ROSER'S CANYON - GOEDERT	0	4.71	5.32	1.83	.47	2.08	2.18	.40	.19	0	0	0	17.18
73	GLENDORA - ENGLEHART RANCH	0	4.48	3.87	1.52	.55	1.66	2.08	.31	.02	0	.03	0	14.46
76B	SAN GABRIEL OAM-CAMP	0	4.95	5.23	1.46	.55	1.60	1.51	.21	.01	0	T	0	15.52
80B	PRAIRIE FORK	N. I.	N. I.	N. I.	N. I.	N. I.	N. I.	N. I.	N. I.	N. I.	INC.	0	0	INC.
81B	VINCENT GULCH	0	4.99	6.66	1.72	1.43	2.21	1.65	.78	0	.15	0	0	19.59
82D	TABLE MOUNTAIN	0	2.77	4.91	.35	1.34	1.03	.34	.19	0	.14	T	T	11.07
83	BIG PINES RECREATION PARK	0	3.66	5.08	.76	1.99	1.66	1.03	.52	0	.16	0	0	14.86
85D	CAMP BALDY GUARD STATION	0	5.20	5.76	1.49	.93	2.02	2.09	.42	0	T	.10	0	18.01
87	SAN DIMAS GUARD STATION	0	4.67	3.96	1.70	.70	2.56	1.84	.16	.03	0	0	0	15.52
89-E	SAN DIMAS DAM	0	4.70	3.61	1.59	.68	2.22	1.98	.22	.03	0	.04	0	15.07
90	ELDER RANCH	0	4.79	3.44	1.55	.70	2.35**	2.03	.22	.12	0	0	.23	15.43**
91	INDIAN HILL - CLAREMONT	0	4.27**	3.19**	1.17	.76	2.05**	1.79	.15	0	0	0	0	13.38**
92	CLAREMONT - POMONA COLLEGE	0	4.50	3.01	1.24	.78	1.25	1.69	.13	.05*	T	T	0	12.65**
93B	CLAREMONT FIRE STATION	0	4.50	3.01	1.22	.73	1.36	1.69	.14	.05	T	T	0	12.70
94	CHARTER OAKS - FIELD'S RANCH	0	3.40	3.58	1.47	.75	1.40	1.67	.07	.03*	0	0	0	12.37**
95	SAN DIMAS FIRE WARDEN	0	4.14	3.23	1.25	.76	1.22**	1.81	.10	.03	0	0	0	12.54**
96B-E	PUDDINGSTONE DAM	0	3.72	3.11	1.34	.62	1.07	1.67	.29	.05	0	0	0	11.87
98	AZUSA - HIRSCH	0	4.23	3.29	1.48	.50	1.13	1.47	.20	.01	0	0	0	12.31
99	AZUSA - FOOHILL RANCH	0	4.37	3.29	1.39	.56	1.19	1.41	0	0	0	0	0	12.21
101	WEST COVINA - HURST RANCH	0	4.21	3.13	1.65	.53	.63	1.18	.07	.03	0	0	0	11.43
102B	WALNUT - SO. HILLS PAT. STA.	0	3.79	3.56	1.62	.59	.57	1.17	T	.01	0	0	0	11.31
104	NORTH WHITTIER - COLE RANCH	0	4.01	4.00	1.91	.70	1.03	1.43	0	.03	0	0	0	13.11
106	WHITTIER CITY HALL	0	3.35	3.11	1.14	.94	.57	1.08**	T	.01	0	0	0	10.20**
107C	DOWNEY - FIRE STATION	0	2.87	3.88	1.32	.47	.56	1.37	0	.01	.05	0	0	10.53
108B	EL MONTE - FIRE STATION	0	3.64	3.50	1.34	.62	.82	1.06	0	.06	0	0	0	11.04
109D	WEST ARCADIA	0	4.52	4.57	1.19	.60	.75	1.08	.01	0	0	0	0	12.72
110	ALHAMBRA - CITY HALL	0	5.26	4.17	1.43	.90	.79	1.10	T	T	0	0	0	13.27
111	SOUTH PASADENA - CITY HALL	0	4.29	3.91	1.29	.50	.66	1.05	T	T	0	0	0	11.70
116C	INGLEWOOD - FIRE STATION	0	2.81	2.64	1.12	.19	.54	2.24	.01	0	.09	0	0	9.64
117B	COMPTON - FIRE STATION	0	2.61	3.29	1.08	.46	.49	1.42	0	0	.04	0	0	9.39
118B	WILMINGTON	0	2.25	3.08	.95	.16	.42	.64	.03	.03	0	0	0	7.56
119D	SAWTELLE - SOLDIER'S HOME	0	4.21	3.48	1.47	0	.57	1.46	0	.05	.03	0	0	11.27
120	VINCENT PATROL STATION	0	2.02	1.93	.19	.68	.14	.56	.22	0	0	0	0	5.74
121B	LANCASTER - HIGH SCHOOL	0	1.19	1.46	.06	.13	.24	.30	.16	0	T	0	0	3.54
122B	LEONIS VALLEY - RITTER RANCH	0	2.84	3.11	.24	.35	.68	.97	.31	0	0	0	0	8.50
124B	BOJQUET CANYON RESERVOIR	0	2.95	2.93	.65	.19	.69	1.04	.22	.02	0	0	0	8.70
125	SAN FRANCISQUITO CANYON POWER HOUSE NO. 1	0	2.89	3.27	1.30	.24	.87	1.22	.37	0	0	0	0	10.16
126B	VENICE - FIRE STATION	0	3.75	2.70	1.26	.61	.72	1.68	0	.02	.12	0	0	10.26
127	DRY CANYON RESERVOIR	0	1.33	2.03	.60	.09	.40	1.17	.42	0	0	0	0	6.04
128B	ELIZABETH LAKE CANYON - WARM SPRINGS CAMP	0	3.46	4.59	1.76	.17	1.16	1.81	.27	0	0	0	0	13.24
130B	SANDBERG'S - QUAIL LAKE PATROL STATION	0	2.20	3.68	.31	.10	.15	1.96	.35	0	0	0	0	8.75
134	SAN DIMAS - STEVENS	0	4.85	3.41	1.40	.62	1.37	1.96	.12	.12	0	0	0	12.85
135	NORWALK	0	2.97	3.12	1.39	.30	.58	1.35	0	0	.03	0	0	9.74
136B	HOLLYWOOD - CITY ENGINEER	0	3.92	3.40	1.12	.05	.44	1.32	0	.08	0	0	0	10.33
139	LOS ANGELES WATER DEPARTMENT	0	3.07	3.76	1.29	.22	.51	1.04	.03	.05	0	0	T	9.97
140	SAWTELLE	0	4.48	3.47	1.53	0	.59**	1.91	0	0	0	0	0	11.97**
140B	11550 SANTA MONICA BOULEVARD	0	4.18	3.21	1.31	.26	.57*	1.80**	0	0	0	0	0	11.07**
143	AZUSA - CITY PARK	0	4.26	3.28	1.46	.53	1.19	1.37	.24	.01	0	0	0	12.34
144	SIERRA MADRE DAM	0	4.78	4.82	1.37	.57	1.23	1.57	.18	.11	0	0	0	14.83
155B	LITTLEROCK CREEK	0	2.60	2.74	.40	.72	T	.53	.23	0	0	.10	0	7.32
156	LA MIRADA - STANDARD OIL COMPANY	0	3.61	2.83	.94	.37	.67	1.18	0					

TABLE VII
SEASONAL 1952-53 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
176	RUBIO CANYON LAND & WATER COMPANY	0	4.92	4.63	1.18	.20	1.26	1.25	0	.09	0	0	0	13.53
177C	LA CANADA - BRADFORD	0	3.66	4.71	1.44	.30	1.53	1.50	.08	.10	0	0	0	13.32
179	AZUSA - GRIFFITH	0	3.93	2.66	1.35	.50	.95	1.08	.24	.02	0	0	0	10.73
179D	SIERRA MADRE - CARTER	0	4.85	4.89	1.29	.55	1.42	1.65	.15	.24	0	0	0	15.34
181B	BASSETT - CLIFFORD	0	3.65	3.54	1.08	.73	.69	1.09	T	.05	0	0	0	11.03
185	GLENDORA - WEST	0	4.56	4.46	1.39	.53	1.26	1.75	.26	T	0	T	0	13.21
188C	SAN DIMAS - MORRISON	0	4.50	3.27	1.25	.58	1.30	1.66	.19	.03	0	0	0	12.78
191B	LOS ANGELES - ALCAZAR	0	3.63	3.41	1.10	.41	.60	1.01	.01	.03	0	0	0	10.40
192B	BELL FIRE STATION	0	2.74	3.28	1.14	.52	.63**	1.23	.02	.07	0	0	0	9.63**
193	COVINA NO. 2 - TEMPLE	0	3.93	3.38	1.46	.80	.90**	1.29	.19	.01	T	T	0	11.66**
196B	LA VERNE - POLICE DEPARTMENT	0	4.21	3.20	1.26	.61	1.21	1.63	.23	.03	0	0	0	12.38
196B	BRAND DEBRIS BASIN	0	4.17	4.63	.86	.63	.65	.93	.06	.03	0	0	0	11.58
198B	HUNTINGTON PARK - CITY YARD	0	3.07	3.73	1.19	.45	.60	1.19	0	.35	T	0	0	10.28
200	SAUGUS - S.C.E. COMPANY SUBSTATION	T	2.96	2.71	.50	.03	.02	1.11	.74	0	0	0	0	7.97
201	PUEENTE HILLS - ALTA MIRA RANCH	0	3.86	3.44	1.61	.69	.98	1.27	0	.02*	0	0	0	11.87**
206	VALENCIA HEIGHTS	0	3.64	3.24	1.70	.47	.79	1.17	0	0	0	0	0	11.21
20E	ARTESIA - BARR LUMBER COMPANY	0	2.94	3.23	.99	.21	.58	1.19	0	0	0	0	0	9.14
210B	BRAND PARK	0	5.70	5.05	1.01	.02	.68	.96	.05	0	0	0	0	13.47
213C	LOS ANGELES - HANCOCK PARK	0	3.93	3.38	1.35	.07	.53	1.58	.01	0	0	0	0	10.85
215C	BELLFLOWER - HERALD ENTERPRISE	0	2.60	3.30	1.08	.34	.31	1.15	0	0	0	0	0	8.78
216	GLENDALE - JONES	0	4.60	4.17	.98	.03	.61	.85	.04**	0	0	0	0	11.28**
217	WATTS - JORDAN HIGH SCHOOL	0	3.22	3.33**	1.11	.51	.60	1.40*	0	.05*	0	0	0	10.02**
219	PACIFICA WAREHOUSE - COUNTY FORESTRY	0	3.63	4.02	1.17	.10	.43	1.33	.31	0	0	0	0	10.99
221C	PACIFICA WASH DUCKWORTH RANCH	0	4.25	3.57	1.67	.09	.58	1.63	.25*	.05*	0	0	0	12.09**
222	LANKERSHIM GENERATING PLANT	0	3.47	3.06	.72	.04	.16	.93	.10	0	0	0	0	8.48
223B-E	BIG DALTON DAM	0	4.44	4.34	1.68	.84	2.23	2.36	.16	.04	T	T	0	16.09
224B	LONG BEACH - ALAMITOS LAND COMPANY	0	2.33	3.43	1.21	.16	.49	1.44	0	.01	.03	0	0	9.10
225	MONTANA RANCH	0	2.57	3.32	.69	.25	.51	1.54	0	0	0	0	0	8.88
226	BURBANK FIRE STATION	0	4.62	4.26	.93	.02	.38	.99	.06	T	0	0	0	11.28
227C	SAN GABRIEL - BRUNTINGTON	T	4.55	4.22	1.31	.65	.76	1.07	T	.04	0	0	0	12.60
228B	BEVERLY HILLS - CITY HALL	0	3.86	3.36	1.56	.08	.41	1.69	0	T	0	0	0	11.04
230C	LIVE OAK CANYON - ELDER	0	4.28	3.30	1.17	.82	1.37	1.65**	.25	.05	0	0	0	13.69**
234	COVINA - THORPE	0	2.60	3.67	1.65	.55	.85	2.65	0	0	0	0	0	11.97
235B	HENNINGER FLATS	0	4.32	5.46	1.39	.35	1.92	1.63	.09	.21	0	0	0	15.37
236	SAN FERNANDO - MOLLIN GROVES	0	3.94	3.67	1.75	.35	1.06	1.81	.28	0	0	0	0	12.58
237A	STONE CANYON RESERVOIR	0	5.24	4.64	1.71	T	.42	2.06	.03	.10	0	0	0	14.20
238	HOLLYWOOD DAM	0	3.63	3.25	1.13	.02	.50	1.31	T	.06	.01	C	0	9.91
241B	LONG BEACH - VETERANS' MEMORIAL BUILDING	0	3.01	3.26	1.14	.16	.43	1.15	0	.02	0	0	0	9.17
244B	CULVER CITY - BUS YARD	0	4.58	2.76	1.27	.07	.54**	2.02	T	0	0	0	0	11.14**
250D	ACTON CAMP	0	2.29	2.30	.69	.28	.41**	.66	.40	T	0	T	0	6.63**
251	LA CRESCENTA	0	4.27	4.73	1.53	.13	1.23	1.54	.02	.12	0	T	0	13.57
254	PUEENTE - ROWLAND RANCH	0	3.33	3.49**	1.62	.60	.61	.88	0	.02	0	0	0	10.55**
255A	MOUNT SAN ANTONIO COLLEGE - SPADRA	0	3.85	3.59	1.93	.65	.85	1.38	T	.03	T	0	0	12.28
256B	POMONA - FIRE STATION	0	4.24	3.26	1.59	.66	.98	1.68	.06	.07	0	0	0	12.54
257	GRIFFITH PARK NURSERY	0	4.30	4.04	1.26	.06	.60	1.04	0	.05	0	0	0	11.35
258A	GRIFFITH PARK TUNNEL	0	4.01	4.15	1.27	.05	.53	1.14	0	.05	0	0	0	11.20
258D	GRIFFITH PARK - SO. SLOPE MOUNT HOLLYWOOD	0	4.16	4.35	1.30	.05	.57	1.16	0	.05	0	0	0	11.64
259C	GRIFFITH PARK - NO. SLOPE MOUNT HOLLYWOOD	0	4.34	4.40	1.35	.05	.60	1.20	0	.06	0	0	0	12.00
259C	CHATSWORTH PATROL STATION	0	4.70	4.52	2.05	T	.81	2.40	.23	0	0	0	0	14.21
261B-E	ACTON - ESCONDIDO CANYON	0	2.02	2.07	.27	.28	.23	.71	.56	0	0	0	0	6.14
263A*	POMONA - FRATER	0	3.88	3.36	1.52	.62	.89	1.70	T	.04	T	.04	0	12.05
265C	PUEENTE HILLS - WEISEL RANCH	0	3.53	3.09	1.79	.81	.85	1.61	T	.03	0	0	0	11.71
266	LEFFINGWELL RANCH - EAST WHITTIER	0	3.11	3.11	1.65	.15	.49	1.29	0	.03	0	0	0	9.83
269A	DIAMOND BAR RANCH NO. 1	0	3.84	3.66	1.86*	.72*	.81*	1.45*	0	0	0	0	0	12.34**
269B	DIAMOND BAR RANCH NO. 2 - HORSE CAMP	0	3.51	3.41	1.81	.56	.70**	1.18	0	0	0	0	0	11.17**
270	COUNTY FARM - RANCHO LOS AMIGOS	0	2.73	3.61	1.18	.51	.57	1.53	0	.02	0	0	0	10.15
271	DOMINGUEZ HILLS	0	2.59	2.76	.84	.28	.34	1.10	0	.05	0	0	0	8.06
272E	L.A. - HEADWORKS PUMPING PLANT	0	4.70	4.15	1.15	.03	.34	1.04	0	.01	0	0	0	11.42
273C	SAN PEDRO HILLS - WALLACE	0	2.92	3.00	1.18	.05	.62	1.71	0	0	0	0	0	9.48
274	ACTON - HUBBARD	0	2.17	2.49	.26	.40	.69	.92	.55	0	0	.09	0	7.57
275	SAN MARINO HUNTINGTON LIBRARY	0	5.00	4.73	1.41	.72	.92	1.27	.02	.04	0	0	0	14.11
277	SAWMILL MOUNTAIN RANCH	0	3.46	5.65	.47	.48	.60	1.91	.58	0	0	0	0	13.15
278B	LOS ANGELES - CLARK MEMORIAL LIBRARY	0	3.23	3.29	1.36	.11	.55	1.50	0	0	0	0	0	10.04
279C	PASADENA GLEN - WEIDEN	0	4.46*	5.26*	1.20*	.47	1.40	1.45	.07*	.20*	0	T	0	14.51**
280B	FIRE STATION	0	4.27	4.66	1.51	.07	1.42	1.25	.04	T	0	0	0	13.72
283B	CRYSTAL LAKE - EAST PINE FLATS	0	5.04	6.55	2.34	1.16	2.34	1.76	.85	0	.19	.02	0	20.25
284	PLACERITA CANYON	0	3.98	4.11	.54	.03	.12	1.41	.42	.01	0	0	0	10.62
285C	MOUNT ST. MARY'S COLLEGE	0	4.95	4.41	1.67	0	.59	2.99	0	0	0	0	0	14.81
287	GLENDORA - MUTUAL CONSOLIDATED IRRIGATION CO.	0	3.97	3.47	1.42	.50	1.22	1.59	.24	T	0	T	0	12.41
289	LAGUNA-BELL - S.C.E. CO. SUBSTATION	0	3.47	3.40	1.12	.45	.61	1.21	0	0	0	0	0	10.26
290B	MONTEREY PARK - FIRE STATION	0	3.59	3.75	1.28	.83	.57	1.24	.01	.04	0	0	0	11.31
291	L.A. - 96TH AND CENTRAL	0	3.23	3.29	1.18	.31	.59	1.41	0	0	.06*	0	0	10.07**
292P-E	ENCINO RESERVOIR NO. 2	0	5.07	4.93	1.09	.03	.20	1.75	.02	.07	0	0	0	13.16
293E	LOWER SAN FERNANDO RESERVOIR	0	4.11	3.80	1.79	.04	.73	2.00	.07	.03	0	0	0	12.57
294	SIERRA MADRE - MIRA MONTE PUMPING PLANT	0	5.15	4.53	1.29	.53	1.43	1.57	.19	.11	0	0	0	15.12
295G	GLENDALE - STAPENHORST (KENNEDY)	0	4.48	4.02	1.07	.03	.51	.87	.03	0	0	0	0	11.01
298B	GORMAN	0	2.29	3.24	.78	0	.76	1.29	1.65	0	0	0	0	10.01
299C	LITTLE ROCK	0	1.84	2.02	0	.57	.05	.41	.04	0	0	.08	0	5.01
300F	PASADENA - CAL TECH	0	4.86	4.68	1.23	.57	.92	1.27	0	.05*	0	0	0	13.58**
304	SAWPIT CANYON - DEER PARK	0	5.50	6.61	2.15	.51	2.88	2.76	.42	.19	0	0	0	21.02
306C	FRANCAS BEACH	0	3.70	2.75	1.47	0	.29	1.96	0	0	.06	0	0	10.23
307	SNOW CREST CAMP		NO RECORD											NO RECORD
311D	PASADENA METEOROLOGICAL STATION	T	4.71	4.60	1.20	.23	1.20	1.22	.02	.07	0	0	0	13.25
312	AZUSA PLANT - GLENDORA IRRIGATION CO.	0	4.11	3.52	1.31	.73	1.25	1.07	.20	0	0	T	0	12.19
321-E	PINE CANYON PATROL STATION	0	3.04	4.26	.55	.40	.66	.96	.43	0	0	.07	0	10.07
322	MUNZ VALLEY RANCH	0	1.95	2.14**	0	.15	.68	.55	0	0	0	0	0	5.37
334B-E	COGSWELL DAM	0	6.24	7.11	1.43	.36	1.09	1.38	.18	T	T	.16	0	17.95
336	SILVER LAKE RESERVOIR	0	3.48	3.66	1.05	.05	.43	.91	0	.01	0	0	0	9.59
338A	MOUNT WILSON - OBSERVATORY	0	6.15	7.17	2.06	.71	2.76**	1.92	.21	T	0	T	0	20.98**
338B	MOUNT WILSON - AIRWAYS STATION	0	5.51	6.37	2.16	.66	2.76	2.11	.21	T	0	.03	0	19.81
339	WALNUT FRUIT GROWERS ASSOCIATION	0	3.71	3.74	1.65	.63	.60	1.08	.02	0	0	0	0	11.43
341	ALISO CANYON - BLUM RANCH	0	2.86	2.34	.13	.63	.31	.59	.20	0	0	0	0	7.06
342	UPLAND - CADAM	0	4.45	3.21	1.33	1.16	1.80	1.73	.20	.11**	T	0	0	13.69**
343B	RIVERSIDE - TELEGRAPH ROAD	0	2.52	3.51	1.22	.61	.61**	1.40	0	.11	0	0	0	9.97**
347-E	BALDWIN PARK EXPERIMENTAL STATION	T	4.02	3.42	1.42	.60	.81	1.57	T	.03	0	0	0	11.47
349B	CAMP RINCON	0	4.77	5.09	1.38	.56	1.86	1.43	.30	T	T	0	0	15.39
351D	PALMDALE	0	1.90	2.01	.06	.32	.18	.59	.23	0	T	.13	0	5.42
352	LECHUZA PATROL STATION	0	6.08	5.86	1.95	0	1.17	1.71	0	.02	0	0	0	16.39
355	LOS ANGELES - CITY COLLEGE	0	3.7											

TABLE VII
SEASONAL 1952-53 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
381B	SANTA MONICA - OUTLOOK	0	4.66	3.26	1.33	T	.47	2.15	0	0	.05	0	0	11.92
384B	HIGHLAND PARK SAN RAFAEL HILLS	0	4.31	3.57	1.31	.27	.65	1.07	0	.07	0	0	0	11.25
386C	ZUMA CANYON - OAKLEY	0	6.33	7.08	1.54	T	1.00	3.79	T	.05*	.02*	0	.01*	19.82**
387B	COVINA - SEWAGE DISPOSAL PLANT	0	3.29	3.06	1.39	.52	.77	1.31	.02	0	0	0	0	10.36
388B	CLEARWATER - COUNTY FIRE STATION	0	2.48	3.58	.75	.40	.27	1.38	0	0	.03	0	0	8.89
389	GLENDORA - BROWN	0	4.55	3.62	1.48	.50	1.41	1.86	.27	.01	0	0	T	13.00
390B-E	MORRIS DAM	0	4.39	4.89	1.78	.60	2.02	1.82	.38	.01	0	0	0	15.99
391B	MONTEBELLO - FIRE DEPARTMENT	0	3.33	3.63	1.28	.70	.70	1.24**	0	.09	0	0	0	10.97**
394	HIGHLAND PARK - LINDSAY	0	4.20	3.89	1.18	.32	.60	1.12	.05	.03	0	0	T	11.39
395	OLIVE VIEW SANITARIUM	0	4.17	3.89	1.44	.17	.92	2.16	.11	.04	0	0	0	12.90
402C	CEDAR SPRINGS - STATE PRISON CAMP	0	5.35	7.08	1.91	.60	2.19	2.12	.92	0	T	.02	.02	20.21
404	GLENDORA - OPID'S	0	4.56	3.88	1.03	.02	.62	.84	.02	.02	0	0	0	10.99
405	SOLEDAO CANYON - ECKLES	0	3.38	3.66	1.50	.34	.26**	.78	.50	0	0	0	0	9.42**
406C	WEST AZUSA - AZUSA IRRIGATION CO. PLANT NO. 6	0	4.20	3.09	1.35	.54	.60	1.38	.16	.21	0	0	0	11.73
407	NEWHALL - U.S.F.S. HEADQUARTERS	0	3.89	4.09	.94	.02	.22	.68	0	0	0	0	0	11.41
409	RIDGE ROUTE - STATE HWY. MAINTENANCE STATION	0	3.30	5.09	.22	T	.25	1.00**	.17	0	0	0	0	10.03**
410D	RIDGE ROUTE - PARADISE RANCH	0	3.46	5.24	1.60	.05	.31	1.68	.25	0	0	0	0	12.59
411C	RIVERA-PICO - ROBINSON	0	2.97	3.62	1.18	.95	.61	1.13	0	.05	0	T	0	10.51
415	SIGNAL HILL - CITY HALL	0	3.11	3.31	1.10	.22	.47	1.09	0	.04	0	0	0	9.34
416	ALTADENA - VENTURA STREET	0	4.31	5.04	1.34	.18	1.45	1.30	.04	.09	0	0	0	13.74
417	SIERRA MADRE - LANANDA PARK CITRUS ASS'N	0	4.55	4.11	1.13	.55	.89	1.17	0	.01	0	0	0	12.41
419B	SANTA CLARA RIDGE - MT. GLEASON	0	3.16	3.28	1.03	1.06	1.14	1.76	.30	0	0	0	0	11.73
420A	ACTON - COLOMBO RANCH	0	3.29	2.34	1.15	.39	.24	.42	.40*	0	0	0	0	7.23**
421B	LOPEZ CANYON BELOW MOUTH	0	3.79	4.31	1.19	.10	.53	1.60	.28	.04*	0	0	0	11.84**
422C	PACOIMA CANYON - WALSH RANCH	0	4.10	4.81	1.91	.45	1.33	1.79	.33	.04	0	0	0	14.76
423	ALISO CANYON - WAGON WHEEL RANCH	0	3.94	3.82	.24	.83	.90	.99	.40	0	0	.06	T	11.18
425B-E	SAN GABRIEL DAM	0	4.90	5.46	1.69	.54	2.07	1.84	.21	0	0	T	0	16.71
427	DOWNNEY - JORDAN	0	2.93	3.55	1.13	.73	.50	1.33	0	.07	.03	.03	0	10.30
430	SAJUGUS - STATE HIGHWAY MAINTENANCE STATION	0	2.65	2.91	.41	0	.15	1.14	.80	0	0	0	0	8.06
432	SANTA ANITA - FERN LODGE	0	5.76	6.41	2.53	.62	2.26	2.35	.21	.09	0	.05	0	20.39
433	ALTADENA - FARNSWORTH PARK	0	4.39	4.76	1.18	.33	1.60	1.62	0	.05	0	0	0	13.93
434	MALIBU - DIVISION HEADQUARTERS	0	5.06	5.43	.90	0	.50	.64	0	.05	0	0	0	12.58
435	MONTE NIDO	0	5.71	5.47	1.04	0	.51	1.34	.02	.05	0	0	0	14.14
436B	HANSEN DAM - OFFICE	0	3.51	3.81	.87	.07	.45	1.03	.14	0	0	0	0	9.88
437	HAMILTON BOWL - LONG BEACH	0	3.08	3.22	1.05	.25	.48	1.05	.02	.07	0	0	0	9.22
440B	CHILDAO - U.S.F.S. CAMP	0	3.99	5.06	.83	.94	.91	.99	.25	0	0	0	0	12.97
441B-E	PALMDALE COUNTY ROAD MAINTENANCE YARD	0	1.67	1.81	.01	.30*	.17**	.48	.19	0	0	.18	0	4.81**
442	MESCAL CREEK - FORT TEJON ROAD	0	2.25	2.02	.07	1.43	.14	.32	.03	0	0	.15	0	6.81
443B	LATIGO CANYON - BEACH RANCH	0	6.11	6.95	1.24	0	.75	1.70	T	.05	.02	0	.01	16.83
444B	ROLLING HILLS	0	3.03	3.11	.97	.15	.77	1.60	0	0	0	0	0	8.03
445B	LIVE OAK DAM	0	4.26	3.29	1.31	.75	1.91	2.04	.15	.06	0	0	0	13.76
446	ALISO CANYON - SANTA SUSANA MOUNTAINS	0	4.21	4.77	2.76	.05	1.50	2.92	.04	.11	0	0	0	16.36
447B	LAS FLORES PATROL STATION	0	4.05	3.23	1.47	0	.87	1.52	0	.04	.03	0	0	11.21
449B	EATON DAM	0	4.39	4.73	1.07	.44	1.25	1.21	.04	.13	0	0	0	13.26
451B	CASTAIC PATROL STATION	T	2.69*	2.56*	.68*	.03*	.21*	1.56**	.10*	T	0	0	0	7.83**
453B	DEVIL'S GATE DAM	0	4.77	4.66	1.42	.13	1.48	1.38	.04	.09	0	0	0	13.97
455	LANCASTER - STATE HWY MAINTENANCE STATION	0	1.30	1.54	.02	.14	1.8*	.40	.13	0	0	0	0	3.72**
456	PIUTTE BUTTE - GOLDEN MESA OUDE RANCH	0	1.50	1.57	.08	.30*	0	.39	.14	0	0	0	0	3.68**
458	ZUMA CANYON PATROL STATION	0	4.28	3.08	1.62	0	.45	2.25	0	.03	0	0	0	11.71
460B	PLEASANT VIEW MESA - NEAL	0	2.92**	3.24	.13	1.28*	.25*	.60*	.09*	8.51*	0	0	0	8.51**
461	BALDWIN HILLS - STANDARD OIL FIELD OFFICE	0	3.73	2.96	1.01	.20	.52**	2.24	0	0	0	0	0	10.66**
462B	HILLCREST COUNTRY CLUB - LOS ANGELES	0	4.70	3.28	1.48	.23	.47	1.98	0	.05	.05	0	0	12.24
463	MAR VISTA SO. CALIFORNIA WATER COMPANY	0	4.67	2.89	1.40**	.20	.52**	1.79	0	0	0	0	0	11.57**
464	TUJUNGA CANYON - HONOR CAMP NO. 5	0	3.22**	4.68**	.93	.30*	1.05**	1.22	.12*	0	0	0	0	11.52**
465B	SEPIJVEDA DAM	0	4.52	3.90	1.07	.02	.14	1.22	.06	.02	0	0	0	10.95
466B	PACOIMA CANYON - DUTCH LOUIE CANYON	0	3.77	3.98	2.12	.48	1.88	1.76	.34	.10	0	0	0	14.11
468-E	PICKENS DEBRIS BASIN	0	4.02	4.15	1.46	.07	1.32	1.40	.03*	.11	0	0	0	12.56**
469	LOS ANGELES - CRISLER	0	3.63	4.14	1.28	.17	.56	1.19	T	.05	0	0	0	11.02
470	TUJUNGA - MILL CREEK	0	3.02	3.66	1.02	1.21	.73	1.30	.35	0	0	0	0	11.29
471	LITTLE TUJUNGA - GOLD CREEK	0	3.50	4.15	1.18	.44	1.06	1.32	.30*	.01*	0	0	0	11.96**
473	AQUA DULCE CANYON - BLACKWELL RANCH	0	3.06	2.53	.27	.25	.20	.60	.44	0	0	0	0	7.35
474B	SOUTH GATE - FIRE DEPARTMENT	0	2.93	3.32	1.24	.45	.62	1.32	0	0	.05	0	0	9.93
475	SILUOUS - NEWHALL LAND AND FARMING COMPANY	0	2.99	3.19	.52	.03	.09	1.07	.70	0	0	0	0	8.59
476B	TUJUNGA CANYON	0	4.86	5.43	.87	T	.36	.96	0	.03*	0	0	0	12.51**
477B	SANTA ANITA - SPRING CAMP	0	5.92	6.83	2.20	.64	1.60	2.13	.30	0	0	.10	0	19.72
478	VALYERMO - U.S.F.S. HEADQUARTERS	0	2.81	2.88	.03	1.25	.04	.40	.23	0	.03	.10	T	7.77
480B	TEMPLE CITY FIRE STATION	0	4.64	4.15	1.28**	.53	.81	.99	0	0	0	0	0	12.40**
482	LOS ANGELES - U.S.C.	0	3.07	3.53	1.31	.16	.66	1.31	T	.01	0	0	0	10.05
485	COVINA - BURCH	0	4.16	2.96	1.21	.41	.86	1.25	.24*	.02*	0*	0*	0*	11.11**
486B	COLDWATER CANYON - WIDMAN RANCH	T	4.84	4.51	1.33	.89	1.86	1.82	.84	.04	T	.29	.02	16.44
488	KAGEL CANYON PATROL STATION	0	3.33	3.72	1.31	.08	.87	1.76	.14	.05	0	0	0	11.26
489	COLD CREEK - STUNT'S RANCH	0	5.72	4.33	1.03	T	.35	1.42	.01	.05	T	0	0	12.91
490	LANCASTER - WILEY RANCH	0	1.13	2.30	.11	.12	.02	.15	.12	0	0	0	0	3.95
491B	PACIFIC PALISADES	T	0.22	3.45	1.16	T	4.28	1.90	0	.03	0	0	0	11.44
492	CHILDAO - STATE HWY MAINTENANCE STATION	0	3.94	4.33	.77	.42	.74	.96	.30	0	0	.05	0	11.93
493	SAND CANYON MACMILLAN RANCH	0	3.53**	3.52	.37	.04	.21	1.29*	.39*	0	0	0	0	9.35**
494B	PICO-CATE	0	3.17	3.39	1.28	.83	.71	1.15	0	0	0	0	0	10.53
497	CLAREMONT - SLAUGHTER	0	4.15	3.39	1.20	.66	1.74	1.90	.13	0	0	0	0	13.17
498	ANGELES CREST HIGHWAY - DARK CANYON TRAIL	0	4.10	5.35	2.02	.20	1.94	1.84	.13**	.20	0	0	0	15.78**
508C	ARROYO SECO - RANGER STATION	0	4.08	4.67	1.29	.12	1.34	1.29	.05	.13	0	0	0	12.97
517B	ANDERSEN RANCH	0	3.31	3.83	.06	1.35	.25	.64	.10	0	.01	.02	.02	9.60
530	CONJO RANCH	0	3.89	4.54	1.07	0	.49	1.10	0	0	0	0	0	11.09
542-E	FAIRMONT	0	3.02	3.66	.44	.17	.67	1.12	.22	0	0	T	0	9.30
551	HUENEME LIGHTHOUSE	0	3.45	4.49	1.77	0	.21	.89	0	0	0	0	0	10.81
557	LA HABRA - CITRUS ASSOCIATION	0	3.51	2.54**	1.33	.61	.74	1.34	0	0	0	0	0	10.07**
565B	LONG BEACH - CITY AUTOMATIC	0	3.01	3.32	.95	.19	.37	.81	T	.04	.02	0	0	8.71
566	LONG BEACH NO. 1	0	2.78	3.52	1.11	.23	.49	1.10	T	.07	T	0	0	9.30
571C	LONG BEACH NO. 6	0	2.75	3.23	1.04	.23	.41	.90	0	.07	0	0	0	8.63
575C	LONG BEACH WEATHER BUREAU	0	3.14**	3.64	1.43	.18	.47	1.50	.11	.05	.02	T	T	10.54**
577E	L.A. - (U.S.W.B.) - 6TH AND MAIN STREETS	0	3.08*	3.28	1.11	.26	.45	.93	.04	.04	0*	0*	0*	9.19**
577F	L.A. - (U.S.W.B.) - FEDERAL BUILDING	0	3.13	3.31	1.08	.33	.48	.91	.03	.06	0	0	0	9.33
587	SAN ANTONIO CANYON - POWER HOUSE NO. 1	0	5.01	4.21	1.76	.92	2.59	2.12	.35	0	T	0	0	15.96
588B	MOUNT LOWE	0	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD
593B	NEWHALL RANCH	0	3.32	3.98	1.16	.02	.16	1.60	.03	T	0	0	0	10.27
598	NEENACH	0	1.70	2.59	.23	.05	.65	1.04	.19	0	.02	0	0	6.47
610A	PASADENA - JONES	0	4.87	4.85	1.24	.33	1.30	1.29	.05	.12	0	0	0	14.05
610B	PASADENA - CITY HALL	T	5.15	4.57	1.53	.30	.99	1.22	.02	.07	T	0	0	13.85
611B	PASADENA - ALLEN	0	4.21	4.24**	1.08	.35	1.							

TABLE VII
SEASONAL 1952-53 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
662	LONG BEACH - 37TH AND GAVIOTA	0	3.25	3.92	.98	.18	.55	1.06	T	T	0	0	0	9.54
666	LONG BEACH - SOUTH AND LEMON	0	2.50	3.57	1.16	.16	.48	1.28	T	T	.15	0	0	9.28
672	EAGLE ROCK - S.C.E. CO. SUBSTATION	0	4.92	4.02	1.35	.18	.88	1.05	0	.04	0	0	0	12.48
673B	SEAL BEACH - POWER PLANT	0	2.05	3.40	.89	.08	.38	1.05	.02	.02	0	0	0	7.89
678	LOS ANGELES - WEST BLOTH STREET	0	2.88	3.38	1.26	.24	.68	2.29	T	.02	.08	0	0	10.83
677C	PASADENA - HOPFNER	0	4.52	4.71	1.39	.14	1.26	1.43	0	.10*	0	0	0	13.55**
678	PASADENA - SHELDON RESERVOIR	T	4.55	4.59	1.35	.16	1.34	1.32	.03	.15	0	0	0	13.49
679	PUNTE-NO. WHITTIER HEIGHTS CITRUS ASS'N	0	3.81	3.93	1.69	.72	.76	.99	.01	.03	0	0	0	11.96
680	WESTWOOD - U.C.L.A.	0	4.14	3.81	1.66	.02	.53	2.26	T	.05	0	0	0	12.47
681A	SIERRA MADRE RANGER STATION	0	5.57	4.21**	1.41	.52	1.45	1.39	.32	.13	0	0	0	15.03**
683	SUNSET RIDGE GUARD STATION	0	3.53	4.32	1.02	.22	1.52	1.30	.05	.18	0	0	0	12.18**
689B	SAN MARINO - COOPER	0	5.14	4.64**	1.15	.31	.85	1.18	0	.11	0	0	0	13.38**
691	SAN ANTONIO SPREADING GROUNDS	0	4.86	3.59	1.42	.76	2.32	1.98	.23	.05	0	0	0	15.21
695B	TUJUNGA CANYON - VOGEL FLAT	0	5.60	5.52	1.01	.18	1.08	1.41	.57	0	0	0	0	15.37
696	PASADENA GLEN	0	4.49	5.30	1.21	.48	1.53	1.51	.07	.20	0	T	0	14.79
703	GLENDALE - MC INTYRE	0	4.25	3.68	1.12	.02	.51	.85	0	.02	0	0	0	10.45
705	ALDER CREEK - PARADISE RANCH	0	3.69	3.75	1.07	.36	1.06	1.20	.29	.01	0	0	0	11.43
706	RIVERA - HADLEY RANCH	0	2.96	3.26	1.19	.84	.57	1.17	0	.07	0	0	0	10.06
715B	L.A. POST OFFICE TERMINAL BUILDING	0	3.21	3.56	1.13	.23	.58	.98	.02	.05	0	T	0	9.76
716	L.A.W.D. - DUCOMMAN STREET	0	3.42	3.64	1.17	.26	.57	.96	.02	.04	0	0	0	10.08
718	THOUSAND OAKS	0	3.76	4.14	1.02	0	.31	1.29	0	.04	0	0	0	10.56
719	DUARTE - MADDOCKS RANCH	0	4.25	3.97	1.32	.43	1.37	1.43	.28	.16	0	0	0	13.21
720	SIMI VALLEY - SMITH RANCH	0	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD	NO RECORD
722B	BELLEVUE - STRATMAN	0	2.11	2.45	0	.23	.27	.55	.13	0	0	.10	0	5.84
723	STONE CANYON - SAN FERNANDO VALLEY	0	5.80	4.91	1.17	T	.19	1.80	.04	.06	0	0	0	14.07
724	BIG DALTON - MONROE CANYON FLUME	0	4.51	4.53	1.73	.75	2.73	2.01	.18	.04	0	0	0	16.49
725	BIRMINGHAM HOSPITAL	0	3.49	3.73	1.11	.06	1.12	1.47	.08*	.04*	0	0	0	10.10**
726	ANGELES CREST - GUARD STATION	0	4.65	5.62	1.80	.17	1.98	1.82	.13	.21	0	.02	0	16.40
727	NEWCOMB PASS	0	5.20	7.72	3.05	.60	2.80	2.48	.41	0	0	.32	0	22.58
728	PACOMA CANYON - CITY ROAD GAGE	0	5.35	4.77	1.70	.91	1.55	2.21	.26	.14	0	0	0	16.89
730	MILLARD CANYON - DAWN MINE	0	4.45	4.92	1.46	.23	1.89	1.77	.14	.11	0	0	0	14.97
731	OAK GROVE HOORS - S.F.S. FLOOD CONTROL	0	4.57	4.04**	1.24	.13	1.43	.03	.03	.10	0	0	0	12.93**
732B	ROBERT'S CANYON - TERMINAL W. FORK DIVIDE	0	3.21	3.56	1.13	.23	1.17	1.48	.28*	.05*	0	.15*	0	20.23**
734	L.A. - MUNICIPAL AIRPORT	T	2.76	2.28	1.13	.10	.44	1.78	T	T	.02	T	T	8.51
735	BELL CANYON - PLATT RANCH	0	3.86	3.34	1.22	.03*	.43	1.49	.33*	.11*	0	0	0	10.81**
737	UPPER SESPE - GIORO GRANDE RANCH	0	3.56	6.23	1.28	.15	.39	1.34	.12	.08	0	0	0	13.15
739	SANTA PAULA - LIMONEIRA RANCH	0	3.57	4.77	1.35	0	.56	1.56	0	0	T	0	0	11.81
740B	SAN DIMAS CANYON - FERN NO. 2	0	5.82	6.02	1.65	1.13	2.19	2.06	.42	0	0	0	0	19.29
741	SAN DIMAS CANYON - UPPER EAST FORK	0*	5.17	4.44	1.59	.84	2.13	2.01	.25	.06*	0*	.03*	0*	16.55**
742B	SAN GABRIEL - FIRE DEPARTMENT	0	4.44	4.02	1.32	.74	.73	.95	0	.05	0	0	0	12.55
746	MORAYE - BACKUS RANCH	0	1.47	2.22	1.23	.02	T	.23	0	.05	0	.10	0	4.88
747	SANDBERG - AIRWAYS STATION	0	2.01	3.02	.22	.02	.42	1.18	.21	T	0	0	0	7.08
749	BURBANK - U.S.W.B.	.01	4.14	3.58	.92	.11	.26	1.20	.09	.01	0	T	0	10.32
750	PALMDALE - C.A.A.A.C. STATION	0	1.20	1.62	T	.27	.03	.21	.11	0	0	.13	0	3.57
751	TORRANCE - FIRE DEPARTMENT	0	2.58	2.05	.77	.18	.37	1.09	.01	.02	.01	0	0	7.08
752	MONROVIA - GEARY	0	4.49	4.87	1.50	.40	1.09	1.49	.22	.18	0	0	0	14.24
755	GRIFFITH PARK - LITTLE CANYON	0	4.07	3.07	1.26	.11	.65	1.15	0	.05*	0	0	0	10.36**
756	GRIFFITH PARK - UPPER SPRING CANYON	0	4.03	4.42	1.43	.10	.57	1.13	0	.05*	0	0	0	11.73**
757	GRIFFITH PARK - FERN DELL	0	3.90	3.75	1.04	.06	.46	1.00	0	.05*	0	0	0	10.26**
758	GRIFFITH PARK - LOWER SPRING CANYON	0	4.17	4.13	1.21	.09	.56	.91	0	.05*	0	0	0	11.10**
759	HOLLYWOOD - COURTNEY AVENUE 1736	0	3.72	3.15	1.20	.05	.33	1.35	0	.06*	0	0	0	9.86**
760	STUDIO CITY - GOODLAND AVENUE 3913	0	4.89	3.81	1.06	.02	.21	1.24	0	.05*	0	0	0	12.87**
761	STONE CANYON - NORTH	0	5.68	4.91	1.28	.02	.22	1.74	.05*	.05*	0	0	0	13.95**
762	UPPER STONE CANYON	0	5.79	4.82	1.30	.02	.32	1.95	.05*	.08*	0	0	0	14.33**
763B	SEPHULVEDA CANYON - EAST FIRE ROAD NO. 19	0	6.26	4.80	1.60	.02	.33	2.12	.04*	.09*	0	0	0	15.26**
764	STONE CANYON - RAIL LANE 2302	0	4.98	4.38	1.49	.01	.36	1.90	.04*	.09*	0	0	0	13.25**
765B	15801 MILHOLLAND DRIVE - KIRKMAN	0	5.66	5.65	1.74	.01	.31	1.90	.03*	.07*	0	0	0	15.37**
766	MANDEVILLE CANYON - FIRE ROAD NO. 24	0	5.17	4.89	1.28	.03	.27	1.92	.01*	.08*	0	0	0	13.65**
767	3351 MANDEVILLE CANYON ROAD	0	5.87	5.90	1.79	.03	.38	2.44	.02*	.09*	0	0	0	16.52**
768	SULLIVAN CANYON - FIRE ROAD NO. 26	0	4.62	4.46	.93	.02	.33	1.43	.01*	.10*	0	0	0	11.90**
769	SANTA YNEZ CANYON - TEMESCAL FIRE ROAD NO. 30	0	5.05	4.86	.95	.04	.26	1.59	.02*	.10*	0	0	0	12.87**
770	SANTA YNEZ CANYON - PASEO MIRAMAR	0	3.30	3.48	1.06	.04	.96	1.72	.01*	.07*	0	0	0	10.64**
771	RUSTIC CANYON - SANTA MONICA MOUNTAINS	0	3.48	3.15	1.29	.03	.53	1.65	0	.06*	0	0	0	10.19**
772	LOS ANGELES - E'HO PARK AND LUCRETIA	0	3.25	3.07	1.08	.10	.35	.80**	0	.05*	0	0	0	8.70**
774	BARLOW SANITARIUM	0	3.45	3.22	1.02	.25	.48	1.10	0	.05*	0	0	0	9.57**
775	LOS ANGELES - 8TH AND CROCKER STREETS	0	3.17	3.15	1.12	.29	.43	.91	.02*	.04*	0	0	0	9.13**
776	NICHOLS CANYON - NEAR MILHOLLAND DRIVE	0	4.90	3.73	1.58	.18**	.41**	1.62**	0	.07*	.02*	0	0	12.51**
777	KENTER CANYON - 259 NORTH KENTER	0	4.65	3.92	1.67	.03	.60	2.15	0	.05*	.01*	0	0	13.08**
778B	SEPHULVEDA CANYON - BELLGATE ROAD 11817	0	4.50	4.42	1.71	.03	.47	2.17	0	.05*	0	0	0	13.35**
779	GRIFFITH PARK - LOWER MINERAL WELLS	0	4.35	4.41	1.22	.04	.42	.98	0	.04*	0	0	0	11.46**
780	GRIFFITH PARK - UPPER MINERAL WELLS	0	4.15	4.23	1.30	.04	.45	1.03	0	.05*	0	0	0	11.22**
783	COON CANYON	0	3.99	4.50	1.23	.20	1.47	1.31	.07	.09	0	0	0	12.86
784	COON CANYON	0	4.03	4.74	1.34	.21	1.51	1.36	.06	.11	0	0	0	13.36
785	COON CANYON	0	4.27	4.98	1.32	.20	1.59	1.40	.06	.12	0	0	0	13.94
786	COON CANYON	0	3.88	4.48	1.25	.19	1.68	1.52	.07	.11	0	0	0	13.88
787	COON CANYON	0	3.94	4.90	1.32	.20	1.49	1.48	.06	.12	0	0	0	13.51
788	COON CANYON	0	3.80	4.58	1.22	.20	1.45	1.47**	.07	.09	0	0	0	12.88**
789	EL PRIETO CANYON	0	4.03	4.89	1.34	.21	1.70	1.53	.11	.11	0	0	0	13.92
790	FILLMORE CITRUS ASSOCIATION	0	2.86	4.99	1.40	0	.46	1.41	.04	0	0	0	0	11.16
791	SATICOY - CULBERTSON LEMON ASSOCIATION	0	3.53	4.07	1.29	0	.79	1.48	0	0	0	0	0	11.16
792	SANTA PAULA - COUNTY AGRICULTURE OFFICE	0	3.38	4.30	1.33	0	.55	1.26	0	0	0	0	0	10.82
793	MARKHAM SADDLE	0	4.41	4.99	2.08	1.02	2.11	1.67	.18	.14	0	0	0	16.60
794	LOWER FRANKLIN RESERVOIR	0	3.97	3.63	1.48	.08	.42	1.72	0	.11	0	0	0	11.41
795	PASADENA - JOURDAN	T	4.65	4.24	1.13	.51	.92	1.33	.01	.05	0	0	0	12.84
796	FIRE DEPARTMENT - ELYSIAN PARK	0	2.75	2.67	.87	.19	.47	.68	0	.05*	0	0		

TABLE VII
SEASONAL 1952-53 MONTHLY RAINFALL SUMMARY
RAINFALL RECORDS IN INCHES

STA. NO.	STATION	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	SEAS. TOTAL
1022	HASLEY CANYON - WESTERN GULF OIL COMPANY	0	2.97	3.41	1.22	.06	.31	1.84	.06	0	0	0	0	9.87
1023B	GARRAPATA CANYON - SPEER	0	5.56	5.16	1.00	T	.31	1.34	0	0	0	0	0	13.37
1024B	TOPANGA - DE WITT	0	5.19	5.58	1.14**	0	.36*	1.56**	0	0*	0*	0*	0*	13.83**
1025	MALIBU BEACH - DUNNE	0	4.61	3.65	1.57	0	.70	1.72	.01	0	0	0	0	12.26
1026	SANTA ANITA ABOVE WINTER CREEK	0	5.34	6.33	2.25	.59	2.34	2.08	.21	.08	0	.05	0	19.27
1028	CORRAL CANYON - STEWART	0	5.21	4.82	1.80	0	1.24	2.07	.05	0	0	0	0	14.89
1029	TUJUNGA - MILL CREEK SUMMIT	0	2.44	3.59	.86	1.00**	.74	1.45**	.35*	0	0	0	0	10.43**
1030	MT. ISLIP - LITTLE JIMMY SPRINGS	0	6.74	8.84	2.76	1.14	2.93	1.66	.76	0	T	.02	.02	24.87
1031	WATERMAN MOUNTAIN	0	2.91	4.67	1.26	.40	1.45	1.40	.60	0	0	.06	0	12.75
1032	MALIBU CANYON - CAMP 3	0	5.69	4.30	1.36	0	1.24*	2.07*	.05*	0	0	0	0	14.71*
1034	SANTA CLARA - 65 RANCH AIRPARK	0	3.34	3.00	.26	.03	.19	.63	.50	0	0	0	0	7.95
1035	WHITTIER - WOOD	0	3.31	3.24	1.17	.99	.67	1.13	0	.03	0	0	0	10.64
1036	LITTLE TUJUNGA CANYON	0	2.69	4.16	1.54	.58	1.92	1.72	.21	.06	0	0	0	12.88
1037-E	ARCADIA - ARBORETUM	0	4.67	4.36	1.20	.58	.96	1.18	.05	.03	T	0	0	13.05
1038	PACIFIC CO MT.	0	2.30	3.14	.77	1.63	1.37	1.94	.46	0	0	0	0	11.61
1039	LOS ANGELES - MAC KEEEN	0	3.75	3.50	1.21	.13	.53*	1.43	.02	.11	0	0	0	10.68**
1040	POTRERO CANYON - SUNRAY OIL CORPORATIDN	0	3.60	3.04	.57	0	.40	1.03	.17	0	0	0	0	8.81
1041B	SANTA FE DAM	0	3.60	3.09	1.06	.47	.79	1.01	0	0	0	0	0	10.02
1042	EASTFIELD GATE - ROLLING HILLS	0	3.29	4.28	1.57	.15	.87	1.87	0	0	0	0	0	12.03
1043	EAST CREST GATE - ROLLING HILLS	0	2.63	3.23	1.55	.11	.43	1.57	0	0	0	0	0	9.52
1044	PORTUGUESE BEND	0	2.31	2.99	1.25	.08	.53	1.35	0	0	0	0	0	8.51
1045	WEST GATE - ROLLING HILLS	0	2.36	2.60	1.24	.05	.44	1.30	0	0	0	0	0	7.99
1046	BIG SANTA ANITA	0	5.12	6.22	2.26	.38	2.06	2.29	.21	.22	0	0	0	18.76
1047	PUENTE - REINHARD	0	3.79	3.57	1.76	.44	.84	1.05	.05	.04	0	0	0	11.54
1048	LA CRESCENTA - COUNTY ROAD DEPARTMENT	0	3.84	5.34	1.60	.10	1.33	1.42	.10	.16	0	0	0	14.09
1049	BURBANK LEGION RIFLE CLUB	0	5.61	3.54	.96	.04*	.46	1.04	.07	.05*	0	0	0	11.97**
1050	OLD TOPANGA CANYON - GRAY	0	5.93	6.40	1.10	.05	.39	1.46	.01	.05	0	0	0	15.39
1051	CANOGA PARK - PIERCE COLLEGE	0	3.74	4.14	.92	.05	.25	1.31**	.19	.06	.05	0	0	10.71**
1052	CAMP JOSEPHO	0	5.65	5.15	1.68	T	.58	2.27	.02	.11	0	0	0	15.46
1053	TUJUNGA CANYON - SOLOMON	0	3.98	4.50	.83	.14	.75	.77	.06	0	0	0	0	11.03
1054	VETERANS' HOSPITAL - SAN FERNANDO	0	4.30	3.76	2.00	.27	1.12	1.99	.20	.07	0	T	0	13.71
1055	SAN ANTONIO DIVIDE	0	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	INC.	INC.	INC.	INC.	INC.
1056	LANCASTER - MC CARGAR	0	1.09	1.39	.55	.65	.26**	.31**	.19	0	0	.05*	0	4.49**
1057	WHITTIER NARROWS	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	T	.02	0	0	0	INC.
1058	PALMDALE 2N.E.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	.34	.15	0	0	.06	0	INC.
1059	SOUTH HAWKINS	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	.03	.16	.13	INC.
1060	LITTLE ROCK - SYCAMORE CAMP	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	0	0	0	INC.
1061	SPINKS CANYON	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.
1062	BUCKHORN	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.
1063	SOLEDAD PASS	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.
1064	SAN GABRIEL-EAST FORK - DOT MINE	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	INC.
1065	WEST SADDLE PEAK	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	0	0	0	INC.
X6	ENCINO	0	5.63	5.33	1.29	.05	.35	1.97	.01	.09	0	0	0	14.72
X7	LLANO - PETERSON	0	1.64	1.68	T	.53	.08	.18*	.10*	0	.20*	0	0	4.36**
X9B	LANCASTER - KALPAKOFF	0	1.32	1.43	.04*	.13*	.26**	.38	.03	0	0	.01	0	3.60**
X10	FAIRMONT - BARNES	0	2.22	3.40**	.02	.12	.13	.73	.11	0	0	0	0	6.33**
X11	BORON - HORTON	0	1.63	1.35	.17	.13	T	.30	0	0	0	0	.15	3.73
X12	WILSONA - FITCH	0	1.59	1.40	.06	.29	0	.15	.11	0	.30*	0	0	3.90**
X15	HI VISTA - CARD	0	1.27	1.07	0	.30	.30	.35	0	0	.40	0	0	3.69

LEGEND

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

TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 1951 - 52

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT.		WEST LONG.		OBSERVER	LOCATION		
				O	I	O	I				
2B	S	22-25	1050	34	02	55	118	46	25	H. J. HELLER	ESCONDIDO CANYON, 3 MILES ABOVE PACIFIC COAST HIGHWAY
3B	S	34-09	975	34	06	20	118	47	30	J. K. WARD	SEMINOLE HOT SPRINGS - LA SIERRA CANYON AT CORNELL
5B	S	35-64	924	34	09	30	118	38	09	TOM FARMER	4803 EL CANON AVENUE, CALABASAS
6	SA	24-01	747	34	05	08	118	35	58	CAPTAIN BARTON	0.5 MILES SOUTH OF TOPANGA POST OFFICE, 1659 TOPANGA CANYON BOULEVARD
7C	S	24-55	95	34	02	28	118	32	45	BEN ITO	BEL AIR BAY CLUB, 16801 ROOSEVELT HIGHWAY
9	SP	48-37	815	34	13	34	118	28	03	ROBERT LARSON	8535 SEPULVEDA BOULEVARD, SAN FERNANDO
10	SA	25-51	540	34	05	11	118	26	45	M. D. HUTCHISON	701 STONE CANYON ROAD, WEST LOS ANGELES
11C	SP A	37-87	867	34	07	14	118	24	38	H. KING	UPPER FRANKLIN CANYON RESERVOIR, 2300 FRANKLIN CANYON ROAD
12	S	37-86	1175	34	07	48	118	24	42	S. H. WALTHAM	12601 MULHOLLAND HIGHWAY AT FRANKLIN CANYON
13	S	38-34	593	34	09	47	118	21	17	KATIE BLIX	10834 EAST BLIX STREET, NORTH HOLLYWOOD
14	SP	49-46	1000	34	14	19	118	21	28	E. S. MERRILL	MOUTH OF LA TUNA CANYON, ROSCOE
15	SP A	37-41	695	34	10	48	118	27	03	W. C. WOODSON	AETNA AND VESPER STREETS, VAN NUYS
17	S	37-07	1400	34	07	48	118	29	42	C. W. AYERS	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY
18C	S	36-63	785	34	10	07	118	32	07	J. S. MAGNUSON	18448 VENTURA BOULEVARD, RESEDA
20B	S	35-84	986	34	09	07	118	36	35	K. G. HILE	GIRARD RESERVOIR, NEAR TOPANGA CANYON BOULEVARD AND VENTURA BOULEVARD
21	S	36-02	891	34	10	16	118	35	56	C. F. DATIC	WEST OF CANOGA AVENUE, NORTH OF VENTURA BOULEVARD
23-E	SP AP	46-87	865	34	13	36	118	37	03	A. HIRSCHY	EAST END CHATSWORTH RESERVOIR, WEST END SAN FERNANDO VALLEY
24D	S	46-94	957	34	15	23	118	36	19	G. W. GOODLEYON	10202 TOPANGA CANYON BOULEVARD
25B	SP	47-57	795	34	13	44	118	32	53	JACK ANDREWS	19055 WEST PARTHENIA STREET, NORTH RIDGE
27B	S	48-64	939	34	15	23	118	26	09	GLEN C. RADDATZ	14333 VAN NUYS BOULEVARD, PACOIMA
28D	SP	48-32	965	34	16	22	118	27	50	SAN FERNANDO LEMON ASSOCIATION	15300 SAN FERNANDO MISSION BOULEVARD, SAN FERNANDO
29B	S	47-81	1150	34	17	02	118	30	50	L.A.W.D. OPERATOR	MAYERLING STREET AT L.A.W.D. GRANADA PUMP PLANT
30	SP	59-26	1250	34	18	37	118	28	17	W. C. SIMMONS	SYLVAR OLIVE PACKING PLANT NEAR REXFORD STREET AND SAN FERNANDO ROAD
31	S	58-27	2850	34	19	28	118	34	14	W. G. WILLET	ORCUTT RANCH, SANTA SUSANA MOUNTAINS AT HEAD OF RICE CANYON
32C-E	S	58-61	1243	34	23	07	118	31	54	CAPTAIN DARRIES	1457 SAN FERNANDO ROAD, NEWHALL
33A-E	S A	60-07	1500	34	19	48	118	23	59	E. K. BARR	BELOW PACOIMA DAM AT CARETAKER'S HOUSE
39B	8,81	50-19	1610	34	12	18	118	17	05	WILLIAM BRUSSTAR	SUNSET DAM, BURBANK
42	8,81	7-15	75	35	50	28	118	23	22	F. M. ARNOLD	ROOF OF CITY HALL, REDONDO
43A	SP	7-19	250	33	48	00	118	23	20	R. W. HIATT	PALOS VERDES ESTATES AT FIRE STATION
43B	SP	2-20	450	33	47	47	118	22	12	JACK CAGLEY	PALOS VERDES ESTATES AT GOLF COURSE
44	S	1-85	125	33	44	30	118	24	38	JOE MAY	POINT VICENTE LIGHTHOUSE
46D-E	SA	51-10	2315	34	17	31	118	11	15	D. J. ROBERTSON	WEST OF SPILLWAY, BIG TUJUNGA DAM
47A	S	51-22	3100	34	16	36	118	10	15	STAN OKEN	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
47C	SA	51-22	3125	34	16	45	118	10	27	L. TURNER	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
48	S	51-15	1800	34	14	44	118	11	00	U.S.F.S. EMPLOYEES	OAK WILDE - ARROYO SECO
50B	S	40-10	1155	34	11	46	118	11	03	MRS. NEPHE	352 FOOTHILL BOULEVARD, LA CANADA
51	S	65-69	4010	34	18	06	117	50	20	AGNES KHAZAYAN	FALLING SPRINGS RESORT, NORTH FORK, SAN GABRIEL CANYON
52B	S	51-44	3000	34	15	32	118	09	14	EDGAR SWANSON	SWITZERS CAMP, ARROYO SECO
52C	SA	51-53	3290	34	15	58	118	08	37	H. E. LITTEN	WATERMAN GUARD STATION - ARROYO SECO
53D	SA	62-89	3675	34	17	59	118	06	42	C. R. SHINN	COLBY'S, COLDWATER CANYON, BIG TUJUNGA
54B	SP A	63-55	4025	34	20	30	118	02	56	MRS. L. G. LOMIS	NEAR JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK, BIG TUJUNGA
57B-E	SP A	52-04	4250	34	15	13	118	05	50	J. G. VAUGHN	WEST FORK SAN GABRIEL RIVER, OPID'S (CAMP HI-HILL)
58	S	52-67	3225	34	13	51	118	02	19	REV. VICKERY DAUGHERTY	STURTEVANT CAMP, BIG SANTA ANITA CANYON
60A	SA	52-69	2750	34	12	32	118	02	02	REV. ELMER NELSON	WINTER CREEK WEST OF SANTA ANITA CANYON, HOEGEE'S (CAMP IVY)
63B-E	SA	41-81	1400	34	11	04	118	01	11	K. A. SHIPLEY	SANTA ANITA DAM AT CARETAKER'S HOUSE
66	S	41-54	655	34	09	29	118	02	36	RICHARD LAYNER	415 ORANGE GROVE AVENUE, SIERRA MADRE
67C	SP	42-05	565	34	08	52	117	59	55	CHIEF GUY SHAW	141 EAST LEMON AVENUE, MONROVIA
68B	S	42-12	1378	34	10	35	117	59	15	F. D. KELLY	SAWPIIT DAM AT CARETAKER'S HOUSE
69B	SA	42-21	1775	34	10	50	117	58	18	F. D. KELLY	SAWPIIT CANYON, ONE MILE NORTHEAST OF SAWPIIT DAM
70B	SA	42-93	790	34	09	49	117	54	06	W. GOEDERT	MOUTH OF SAN GABRIEL CANYON, 0.15 MILE EAST OF ROBERTS CANYON
73	S	43-54	1200	34	09	22	117	50	53	O. H. ENGLEHART	MOUTH OF ENGLEWILDE CANYON, GLENORA
76B	S	54-57	1500	34	13	33	117	50	48	GEORGE MIDDLETON	SAN GABRIEL CANYON ABOVE SAN GABRIEL DAM
81B	ST	66-42	6600	34	22	26	117	45	05	FLOOD CONTROL EMPLOYEES	VINCENT GULL AND BIG ROCK CREEK
82D	S	67-11	7500	34	22	53	117	41	05	H. G. UTTER	TOP OF TABLE MOUNTAIN, NORTHEAST OF BIG PINES RECREATION PARK
83	SA	67-12	6860	34	22	45	117	41	28	HOWARD ROWE	BIG PINES RECREATION PARK
85D	SA	36-46	2300	34	14	12	117	39	32	WILEY MESSER	U.S.F.S. GUARD STATION, CAMP BALDY
87	S AP	44-33	1500	34	09	56	117	46	02	CHARLES COLVER	SAN DIMAS CANYON AT WEST FORK
89-E	SA	44-24	1350	34	09	05	117	46	28	AL BLEEMERS	SAN DIMAS CANYON BELOW DAM AT CARETAKER'S HOUSE
90	S	44-44	1680	34	09	00	117	45	32	CHARLES S. ELDER	NORTH END OF BRYDON ROAD, LA VERNE
91	S	44-87	1405	34	07	16	117	43	11	PAUL COLDIRON	2931 INDIAN HILL BOULEVARD, CLAREMONT
92	SA	32-90	1190	34	05	52	117	42	34	DOCTOR WHITNEY	POMONA COLLEGE AT BRACKETT OBSERVATORY
93B	8,81	32-80	1180	34	05	47	117	42	59	CHARLES STARCHER	221 WEST SECOND STREET, CLAREMONT
94	S	31-60	805	34	06	00	117	50	02	WILL G. FIELDS	1331 WEST COVINA BOULEVARD, SAN DIMAS
95	S	43-99	960	34	06	28	117	48	22	N. Z. KIMBALL	114 EAST FIRST STREET, SAN DIMAS
96-E	S	31-90	1030	34	05	30	117	48	24	F. A. POLLARD	PUDDINGSTONE DAM AT CARETAKER'S HOUSE
98	SP	42-56	602	34	08	02	117	54	14	JOHN HIBSCH	325 EAST FOOTHILL BOULEVARD, AZUSA
99	S	43-06	615	34	08	00	117	53	37	J. STAIN	18342 EAST FOOTHILL BOULEVARD, AZUSA
101	S	30-53	358	34	03	51	117	57	00	C. J. HURST	SOUTHEAST CORNER MERCED AVENUE AND ORANGE AVENUE, WEST COVINA
102B	S	31-29	488	34	00	14	117	52	13	CAPT. ALLEN V. GIBSON	4009 EAST POMONA BOULEVARD, WALNUT
104	SP	30-09	600	34	00	23	117	59	46	JOHN THOMAS	14570 SEVENTH AVENUE, NORTH WHITTIER HEIGHTS
106	S	16-61	365	33	58	53	118	02	13	K. R. WARREN	ROOF OF CITY HALL, WHITTIER
107C	8,81	15-66	130	33	56	18	118	08	03	L.A. CO. FIRE DEPT. EMPLOYEES	11435 SOUTH DOWNEY AVENUE, DOWNEY
108B	SA	29-62	301	34	04	23	118	02	06	CHAMLER WIRE	126 SOUTH TYLER AVENUE, EL MONTE
109D	S	41-27	540	34	07	38	118	04	23	B. E. MATHEWS	7225 NORTH ROSEMEAD BOULEVARD, ARCADIA
110	S	29-70	485	34	05	40	118	07	43	J. W. CLAY	NORTHWEST CORNER OF SECOND AND MAIN STREETS, CITY HALL, ALHAMBRA
111	SP	40-48	890	34	06	58	118	09	05	V. WRIGHT	NORTHWEST CORNER ROUND AND MISSION STREETS, CITY HALL, SOUTH PASADENA
116C	SA	13-43	155	33	57	54	118	21	15	C. A. BECK	11 REGENT STREET, INGLEWOOD
117B	S	8-70	68	33	53	43	118	13	30	CAPT. C. SHAW	WILLOWCROOK AND PALM STREETS, COMPTON
118B	S	3-41	40	33	47	20	118	15	32	E. A. BISHOP	1251 BANNING BOULEVARD, WILMINGTON
119D	S	25-44	355	34	03	25	118	27	17	JOSEPHINE MC CARTHY	NATIONAL MILITARY HOME, SAWTELLE
120	S	74-51	3250	34	29	30	118	07	45	J. B. SIGRIST	1533 SIERRA HIGHWAY, VINCENT
121B	SP A	112-79	2360	34	42	01	118	07	45	H. E. PEARSON	DIVISION STREET AND AVENUE 18, LANCASTER
122B	S	98-49	3130	34	36	27	118	15	31	JOHN RITTER	SOUTH OF JUNCTION OF GOODE HILL ROAD AND ELIZABETH LAKE ROAD
124B	S AP	84-31	3000	34	35	10	118	21	40	L.A.W.D. CARETAKER	NORTHWEST OF SPUNKY CANYON ROAD AND BOUQUET CANYON ROAD
125	SP	89-40	2100	34	35	20	118	27	10	POWER HOUSE OPERATOR	POWER PLANT #1, UPPER SAN FRANCISQUITO CANYON
126B	S	12-41	55	33	59	21	118	27	15	K. KUNITSUJIGU	FIRE STATION - VENTICE
127	SP	70-71	1507	34	28	55	118	31	40	JIM RAY	DRY CANYON DAM, 2 MILES ABOVE SAN FRANCISQUITO CANYON ROAD
128B	S	95-39	2075	34	36	28	118	33	40	E. E. STUDLEY	ELIZABETH LAKE CANYON AT WARM SPRINGS CAMP
130B	S	106-85	4025	34	44	37	118	42	43	S. F. ETSCHIED	QUAIL LAKE, COUNTY PATROL STATION, SANBERG
134	S	44-07	1110	34	07	39	117	47	45	A. L. STEVENS	NORTH OF FOOTHILL, WEST OF SAN DIMAS CANYON ROAD, SAN DIMAS
135	S	10-30	83	33	53	50	119	03	58	C. J. WHEELER	12450 MAPLEDALE STREET, NORWALK
136B	S	26-70	305	34	05	28	118	19	33	J. R. WHEELER	6223 SANTA MONICA BOULEVARD, HOLLYWOOD
139	SP AP	27-54	385	34	03	08	118	14	48	JIM BRISCO	SECOND STREET AND BROADWAY AT L.A.W.D.
140B	S AP	25-45	230	34	02	42	118	27	08	P. PESCARO	11550 SANTA MONICA BOULEVARD, WEST LOS ANGELES
143	S	42-96	618	34	08	04	117	54	17	KORNELIUS SMITH	CITY HALL PARK, AZUSA
144	S	41-52	1100	34	10	34	118	02	32	F. W. LEWIS	BELOW SIERRA MADRE DAM
155B	S	87-79	3035	34	30	18	118	01	40	MYRTIE BRESLIN	LITTLE ROCK CREEK, 1.5 MILES BELOW LITTLE ROCK DAM
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TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 1951 - 52

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
167	SP	41-64	611	34 09 32	118 02 02	J. THOMAS	67 ORANGE GROVE AVENUE, ARCADIA
169	SP	41-63	700	34 09 49	118 02 23	FRED W. LEWIS	621 EAST SIERRA MADRE AVENUE, SIERRA MADRE
170C	S	29-15	290	34 02 37	118 04 53	K. P. TATUM	3636 WALNUT GROVE AVENUE, SAN GABRIEL
171	S	41-35	635	34 08 48	118 04 05	W. E. COMERFORD	75 SOUTH MICHILLINDA AVENUE, PASADENA
172B	SP	42-35	548	34 08 28	117 58 04	J. S. BLAIN	1101 SOUTH OAK STREET, DUARTE
174	SP	43-86	985	34 07 57	117 49 10	L. A. WARREN	OLD FOOTHILL BOULEVARD, 2.25 MILES EAST OF GLENDORA
175B	S	50-67	2020	34 13 40	118 12 42	J. H. HICKS	ALTA CANADA AND DEL ORO DRIVE, LA CANADA
176	SP	40-61	1125	34 10 55	118 08 16	MRS. V. C. SCHAID	583 SACRAMENTO STREET, ALTADENA
177C	S	51-09	1255	34 12 12	118 11 36	P. L. BRADFORD	4607 NORTH OAKWOOD AVENUE, LA CANADA
178	A	43-09	545	34 06 24	117 53 58	E. B. GRIFFITH	17914 EAST ARROW HIGHWAY, AZUSA
179D	SP A	41-42	1300	34 10 25	118 03 33	PAUL N. CARTER	716 NORTH LIMA STREET, SIERRA MADRE
181B	S	29-94	293	34 03 10	118 00 06	R. S. CLIFFORD	13010 VALLEY BOULEVARD, PUENTE
185	S	43-46	622	34 08 23	117 51 33	MRS. L. M. WEST	460 EAST BENNETT STREET, GLENDORA
188C	S	44-08	1070	34 07 08	117 47 38	WAYNE E. MORRISON	1001 SAN DIMAS CANYON ROAD, SAN DIMAS
191B	SA	28-03	400	34 03 48	118 11 56	FLOOD CONTROL EMPLOYEES	2250 ALCAZAR STREET, LOS ANGELES
192B	8.81"	15-12	145	34 58 47	118 11 18	J. H. CARROLL	6320 PINE AVENUE, BELL
193	S	31-21	575	34 04 57	117 52 28	W. B. TEMPLE	19248 PUENTE STREET, COVINA
196B	8.81"	44-29	1050	34 06 05	117 46 18	A. F. DOWE	2061 THIRD STREET, LA VERNE
198B	8.81"	39-21	890	34 11 04	118 16 34	W. L. BRUSTAR	MOUTH OF BRAND CANYON AT BRAND DEBRIS BASIN
199B	S	14-81	175	33 59 21	118 13 06	WILL LOUGH	2886 SLAUSON AVENUE, HUNTINGTON PARK
200	S	70-27	1093	34 25 23	118 34 32	ROY GALLIAN	50, CALIF. EDISON CO. SUBSTATION, 2.5 MILES WEST OF SAUGUS
201	SA	17-00	860	34 59 40	117 59 30	HARVEY LOWERY	3251 TURNBULL CANYON ROAD, PUENTE
206	S	30-94	467	34 03 19	117 54 25	P. R. JACKSON	1126 SOUTH AZUSA AVENUE, VALENCIA HEIGHTS, WEST COVINA
208	S	10-14	49	33 51 35	118 04 52	ALBERT SHULTZ	BARR LUMBER 18810 PIONEER BOULEVARD, ARTESIA
210B	SA	39-21	1250	34 11 19	118 16 21	FLOOD CONTROL EMPLOYEES	200 FEET ABOVE WATER TANK, BRAND PARK
213C	SA	26-43	175	34 03 43	118 21 22	FLOOD CONTROL EMPLOYEES	HANCOCK PARK, 5801 WILSHIRE BOULEVARD, LOS ANGELES
215B	S	9-71	73	33 55 56	118 07 29	CAPTAIN PAN	9817 EAST FLOWER STREET, BELLFLOWER FIRE STATION
216	SP	39-43	620	34 09 55	118 15 01	J. E. JONES	318 EAST RANDOLPH STREET, GLENDALE
217	8.81"	14-75	110	33 56 37	118 13 45	W. HUTCHERSON	2265 EAST 103RD STREET, WATTS
219	S	48-94	955	34 15 21	118 24 27	L.A. CO. F. AND F.W. EMPLOYEES	12605 OSBORNE AVENUE, PACOIMA
221C	S	59-99	1350	34 18 27	118 24 17	J. W. DUCKWORTH	12500 NORTH MACLAY STREET, PACOIMA
222	SP	38-10	732	34 11 55	118 23 18	PLANT OPERATOR	11845 VOSE STREET, NORTH HOLLYWOOD
223B-E	S	43-83	1575	34 10 13	117 46 30	D. E. WILSON	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
224B	S	4-03	180	33 46 07	118 11 30	R. A. BIXBY	FIRST STREET, PINE AVENUE, LONG BEACH
225	S	9-85	47	33 50 35	118 07 09	P. LUCAS	MONTANA RANCH, 5912 EAST ARBOR ROAD, LAKEWOOD
226	8.81"	38-91	655	34 10 55	118 18 24	CHIEF F. OLCHEVARY	125 EAST THIRD STREET, BURBANK
227C	S	40-99	480	34 06 31	118 06 10	A. E. BRUNTING	419 NORTH DARCOA AVENUE, SAN GABRIEL
228B	S AP	26-02	290	34 04 27	118 23 57	C. VALLE RIESTRA	CITY HALL ROOF, BEVERLY HILLS
230C	SP	44-68	1255	34 00 57	117 44 12	C. F. ELDER	4055 NORTH SAN ANTONIO AVENUE, EAST OF THOMPSON CREEK
234	S	31-23	630	34 03 39	117 52 38	BEN F. THORPE	19167 EAST CAMERON AVENUE, WEST COVINA
235B	SP A	41-10	2550	34 11 36	118 05 20	SAMMUAL GOSSARD	HENNINGER FLATS NEAR MT. WILSON TOLL ROAD
236	S	59-88	1455	34 19 12	118 24 59	CARL GOFF	MOLLIN GROVES, SAN FERNANDO, NORTH ENO HUBBARD AVENUE
237A	SP	37-49	725	34 06 25	118 27 13	L.A.W.D. EMPLOYEES	STONE CANYON DAM
237B	AP	37-49	725	34 06 23	118 27 17	L.A.W.D. EMPLOYEES	STONE CANYON RESERVOIR
238	SP	38-68	750	34 07 04	118 19 55	L.A.W.D. EMPLOYEES	HOLLYWOOD DAM
241B	S	4-03	68	33 46 12	118 11 35	C. C. BOWER	VETERANS' MEMORIAL BUILDING, LONG BEACH
246B	S	26-18	75	34 01 00	118 23 17	W. W. CHANDLER	CORNER JEFFERSON AND DUQUESNE STREETS, CULVER CITY
250C	S	74-04	2550	34 27 02	118 11 52	ISABEL ROTH	SOLEDAD AND ARRASTRE CANYON ROADS, ACTON
251	S	50-57	1565	34 13 28	118 14 24	L. M. DYSON	2908 FOOTHILL BOULEVARD, LA CRESCENTA
254	S	17-50	466	33 59 37	117 56 30	ORVILLE STEVENS	ROWLAND RANCH, ONE MILE EAST OF PUENTE
255A	S	31-55	770	34 02 51	117 50 50	M. P. LOWE	SAN JOSE HILLS NEAR SPADRA, MT. SAN ANTONIO COLLEGE
256B	S	32-44	882	34 03 26	117 45 04	M. M. KERSLAKE	FIFTH AND THOMAS STREETS, POMONA
257	SA	39-17	750	34 07 12	118 17 11	CARL VETCH	2650 NORTH COMMONWEALTH AVENUE, GRIFFITH PARK NURSERY
258A	S	38-97	1100	34 07 24	118 18 11	LOUIS STRAUSS	WEST OF TUNNEL, POINT OF RIDGE, GRIFFITH PARK
258B	S	39-07	1400	34 07 45	118 17 53	LOUIS STRAUSS	SOUTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK
258C	S	39-06	1600	34 07 54	118 17 54	LOUIS STRAUSS	NORTH SLOPE OF MOUNT HOLLYWOOD, GRIFFITH PARK
259C	SA	46-92	1254	34 16 41	118 36 12	L.A.CO. F. AND F.W. EMPLOYEES	21880 MAYAN DRIVE, TWIN LAKES PARK, CHATSWORTH
261B-E	SA	73-20	2520	34 29 31	118 16 30	J. C. FASSOLD	ESCONDIDO CANYON, NORTH BRANCH, 5.5 MILES NORTHWEST OF ACTON
263A	S	32-56	778	34 01 54	117 44 26	G. H. GRANT	2211 SOUTH TOWNE AVENUE, POMONA
265C-E	S	17-74	675	33 57 13	117 55 23	P. J. WEISEL, JR.	1500 FULLERTON AVENUE, PUENTE HILLS
266	SP	17-06	253	33 56 25	117 59 35	J. M. STEPHENSON	10522 SANTA GERTRUDES AVENUE, EAST WHITTIER
269A	S	18-53	720	33 58 09	117 50 40	E. K. HAYS	DIAMOND BAR RANCH #1, BREA CANYON ROAD
269B	SP AP	18-62	760	33 58 42	117 49 54	ANGELES REYES	DIAMOND BAR RANCH #2, HORSE CAMP, BREA CANYON ROAD
270	S	15-46	104	33 56 17	118 09 22	CLYDE MORROW	12041 OLD RIVER SCHOOL ROAD, DOWNEY
271	S	8-63	195	33 51 37	118 14 01	J. J. OUIJADA	DOMINGUEZ HILLS, 18800 WILMINGTON BOULEVARD
272B	S	38-94	475	34 09 21	118 18 20	MARVIN SMITH	SOUTH OF LOS ANGELES RIVER, WEST OF VICTORY BOULEVARD
273C	S	2-12	1215	33 46 23	118 22 57	J. H. ROBERTSON	RADIO ROAD, SAN PEDRO HILLS
274	SP	85-68	3250	34 30 50	118 14 10	MRS. A. S. HUBBARD	MINT CANYON ROAD JUST EAST OF SUMMIT, ACTON
275	3"p	40-87	670	34 07 41	118 06 40	G. L. BROWN	HUNTINGTON ESTATES, SAN MARINO
277	S	108-17	3700	34 43 15	118 35 00	HAZEL SKELTON	SAWMILL MOUNTAIN RANCH, 8.7 MILES NORTHWEST OF LOS ANGELES
278B	S	26-86	211	34 02 00	118 18 58	JACK LIND	CLARK MEMORIAL LIBRARY, 2205 WEST ADAMS, LOS ANGELES
279A	SP	41-11	1325	34 10 50	118 05 04	ROSS M. LOCKHART	2069 NORTH VILLA HEIGHTS, PASADENA
280B	SA	43-01	1325	34 10 57	118 11 47	WRIGHT AND COLLINGS	1028 INVERNESS DRIVE, FLINTRIDGE
283B	SA	65-67	5770	34 19 38	117 50 12	L. W. CAMMACK	CRYSTAL LAKE, EAST PINE FLAT AT U.S.F.S. HOUSE
284	S	59-22	1480	34 22 38	117 28 42	D. F. POLLOCK	PLACERITA CANYON, GAFFER RANCH, NEWHALL
285C	S	25-11	1025	34 05 10	118 28 57	MARTIN BULLINGER	12001 CHALON ROAD, SANTA MONICA MOUNTAINS
287	SP	43-36	782	34 08 22	117 51 54	L. A. WARREN	224 NORTH MICHIGAN AVENUE, GLENDORA
289	SP	15-52	140	33 58 38	118 08 45	D. O. COFFMAN	6301 SOUTH GARFIELD AVENUE, BELL
290B	S	28-75	320	34 02 33	118 07 40	CHIEF MC ELHANNON	2001 SOUTH GARFIELD AVENUE, MONTEREY PARK
291	SA	14-45	121	33 57 00	118 15 25	W. L. HOWELL	96TH STREET AND CENTRAL AVENUE, LOS ANGELES
292B-E	S	36-55	1000	34 08 57	118 30 55	H. MC CAULEY	ENCINO DAM, ONE MILE SOUTHWEST OF ENCINO
293-E	SP	48-11	1150	34 17 18	118 28 54	F. ORTIZ	NORTH END LOWER SAN FERNANDO RESERVOIR
294	SP	41-53	985	34 10 11	118 02 57	F. W. LEWIS	MIRA MONTE AVENUE PUMP PLANT, SIERRA MADRE
295F	S	39-34	530	34 09 07	118 15 40	MAURICE KENNEDY	415 WEST LEXINGTON AVENUE, GLENDALE
298B	S	105-61	3650	34 47 18	118 49 54	DEWEY RALPH	ONE MILE EAST OF GORMAN
299C	S	88-26	2805	34 32 10	117 58 29	MRS. LENA SCHWAB	85TH STREET E. AND AVENUE 78, LITTLE ROCK
303F	SA	40-76	795	34 08 13	118 07 25	PROF. W. W. MICHAEL	HILL AVENUE AND CALIFORNIA STREET, PASADENA
304	S	42-30	2725	34 11 39	117 57 50	F. D. KELLY	DEER PARK, 1.5 MILES ABOVE SAWPIT DAM
306C	S	21-56	8	34 01 50	118 50 32	TED BOEHME	TRANCAS BEACH, 30732 ROOSEVELT HIGHWAY
307	S	58-73	6500	34 16 05	117 37 35	H. A. NELSON	SNOW CREST CAMP, 15 MILES UP SAN ANTONIA CANYON FROM HIGHWAY 66
311B	SP AP	40-43	918	34 09 48	118 09 28	M. J. STEVENS	1083 MENTONE STREET, PASADENA
312	SP	42-85	675	34 08 51	117 54 55	F. BARNES	ONE MILE NORTHWEST OF AZUSA
321-E	S	96-72	3275	34 40 27	118 25 49	L.A.CO. F. AND F.W. EMPLOYEES	PATROL STATION BETWEEN ELIZABETH LAKE AND HUGHES LAKE
322	S	110-48	2600	34 42 50	118 21 15	E. S. MUNZ	BAILY ROAD, 14 MILES WEST OF LANCASTER
334B-E	S A	53-35	2330	34 14 37	117 57 37	E. K. DE VORE	COGSWELL DAM, WEST FORK, SAN GABRIEL CANYON
336	SP	39-39	455	34 06 08	118 15 54	L.A.W.D. CARETAKER	SILVER LAKE RESERVOIR, LOS ANGELES
338A	S	52-47	5650	34 13 27	118 03 32	J. O. HICCOX	75 FEET SOUTH OF 60 INCH TELESCOPE, MOUNT WILSON
338B	SP A	52-37	5709	34 13 36	118 03 57	O. H. BASORE	0.5 MILE WEST OF 60 INCH TELESCOPE, MOUNT WILSON AIRWAY STATION
339	SP	31-49	533	34 00 13	117 51 11	L. J. RICE	0.5 MILE SOUTHEAST OF WALNUT

TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 1951 - 52

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT.		WEST LONG.		OBSERVER	LOCATION	
				O	I	O	I			
341	S	74-43	2900	34	27	51	118	09	25	ALISO CANYON, EAST OF ACTON
342	S	45-17	1530	34	07	13	117	40	48	G. BLANTON 1544 NORTH BENSON STREET, UPLAND
343B	SP	15-04	144	33	57	12	118	05	48	F. C. COLLINS 8705 PASSONS BOULEVARD, RIVERA
347-E	S	30-30	387	34	05	38	117	57	39	FLOOD CONTROL EMPLOYEES SCOTT PLACE, ONE BLOCK WEST OF MAIN STREET, BALDWIN PARK
348B	S	54-46	1530	34	05	30	117	51	38	FLOYD ARNOLD CAMP RINCON, WEST FORK SAN GABRIEL CANYON
351F	SP	86-82	2650	34	34	55	118	06	47	CH. SCHOELLER AVENUE 09 AND 9TH STREET EAST, PALMDALE
352	SA	21-21	1530	34	04	50	118	52	38	A. L. CESENA 855 NORTH VERMONT STATION, 4 MILES FROM PACIFIC COAST ON DECKER ROAD
355	S	27-01	335	34	05	21	118	17	34	J. F. BALL STATE HOSPITAL, SOUTH OF POMONA BOULEVARD, SPADRA
356B	SA	31-95	685	34	02	32	117	48	34	R. S. HUTCHISON POWER HOUSE #3, UPPER SAN FERNANDO RESERVOIR
357	SP AP	59-08	1248	34	18	49	118	29	30	C. KUN 1475 EL MIRADOR DRIVE, PASADENA
354	S	40-23	1025	34	09	56	118	10	46	J. P. KINDRED 50 FEET EAST OF U.S.G.S. GAGING STATION, HAINES CANYON
367	SP A	50-42	3450	34	16	18	118	15	07	J. P. KINDRED HEAD OF HAINES CANYON, ABOVE DIVERSION DAM
372	SP A	82-76	1560	34	32	02	118	31	27	CHIEF S. DOTY SAN FRANCISQUITO CANYON, POWER HOUSE #2
373	SA	50-76	2310	34	14	16	118	13	42	L. R. BLEITZ 5618 CANYON SIDE DRIVE, LA CRESCENTA
375B	S	39-16	650	34	08	02	118	17	18	CHARLES H. ALLEN GRIFFITH PARK ZOO, LOS ANGELES
377F	SP	33-04	1040	34	09	00	118	53	59	R. ROPER LAKE SHERWOOD, AT FIRE STATION VENTURA COUNTY
379B	SA	54-96	1600	34	14	10	117	48	18	GEORGE MIDDLETON EAST FORK, 2.7 MILES ABOVE FORKS, SAN GABRIEL CANYON
380	SA	29-11	553	34	04	54	118	11	02	GEORGE D. MORGAN 4566 BEDILLION STREET, EL SERENO
381B	S	25-08	100	34	01	06	118	29	50	R. GRIPENWALDT 1245 4TH STREET, SANTA MONICA
384B	S	85-24	825	34	05	43	118	12	02	FINLEY B. LAVERTY 502 LAKE VIEW ROAD, PASADENA
386C	S	21-71	1500	34	04	58	118	43	38	C. HIXON DUNE CANYON, 1.2 MILES SOUTHWEST OF BACKUS ROAD AND MULHOLLAND HIGHWAY
387B	SP	31-01	508	34	05	02	117	53	57	H. SNODGRASS 227 SOUTH HOLLENBECK AVENUE, COVINA
388B	B, BI	9-40	71	33	53	30	118	09	33	CAPT. C. H. JONES 15538 SOUTH COLORADO AVENUE, PARAMOUNT
389	SP	43-35	825	34	08	49	117	52	04	FRANK H. BROWN 1000 FEET NORTH OF PENNSYLVANIA AND SIERRA MADRE AVENUES, GLENDORA
390B-E	SP	43-21	1210	34	11	12	117	52	43	FRED CHAPMAN MORRIS DAM, SAN GABRIEL CANYON
391B	B, BI	28-98	215	34	00	40	118	06	17	CHIEF C. W. COX 140 NORTH SIXTH STREET, MONTEBELLO
394	S	40-28	620	34	07	06	118	10	40	MRS. ELISABETH S. STEVENS 6425 ELGIN STREET, HIGHLAND PARK
395	S	59-57	1425	34	19	31	118	26	56	ROY SEPULVEDA OLIVE VIEW SANITARIUM, SAN FERNANDO
402C	SP	85-24	6665	34	21	18	117	52	32	H. D. JOHNSON CEDAR SPRINGS STATE PRISON CAMP, ANGELES CREST HIGHWAY
404	S	39-54	654	34	09	25	118	14	25	JOHN OPID 811 NORTH GLENDALE AVENUE, GLENDALE
405	S	73-06	2250	34	26	15	118	17	35	FRED ECKLES 11.7 MILES EAST OF SOLEMINT ON SOLEDAD CANYON ROAD
406C	S	42-88	505	34	06	53	117	54	56	OLIVER ENGLER 17018 EAST GLADSTONE STREET, WEST AZUSA
407	S AP	56-82	1325	34	22	13	118	30	46	L. M. JUNO ONE MILE SOUTHEAST OF NEWHALL - U.S.F.S. DISTRICT HEADQUARTERS
409	S	93-12	2425	34	40	34	118	46	53	J. R. ROUPPE 18 MILES NORTH OF CASTAIC JUNCTION ON EAST SIDE OF RIDGE ROUTE
410A	S	81-13	2525	34	34	05	118	41	17	CAROLYN DURNFORD 7.5 MILES NORTH OF CASTAIC, WEST SIDE OF RIDGE ROUTE
411B	SP	16-11	170	33	59	20	118	04	56	C. W. ROBINSON 6004 SOUTH PASSONS BOULEVARD, RIVERA
415	SA	4-30	125	33	47	49	118	10	03	GEORGE I. OSBORNE ROOF OF CITY HALL, SIGNAL HILL
416	SP	40-40	1170	34	11	26	118	09	28	C. C. CURTIS 2666 LINCOLN AVENUE, ALTADENA
417	S	41-05	742	34	08	56	118	05	42	MANAGER LEAMAN 150 NORTH VINEDO STREET, LAMANDA PARK
419	SA P	61-32	5450	34	22	26	118	12	20	C. C. BREVIDDRO HEAD OF PACOINA CANYON ON SANTA CLARA RIDGE, MT. GLEASON
420A	S	74-07	3100	34	25	20	118	11	52	C. C. BREVIDDRO 3.3 MILES SOUTH OF ACTON ON MT. GLEASON TRUCK TRAIL
421B	SP	48-91	1178	34	17	03	118	24	28	WARD HINKLE 11728 DROWNFIELD AVENUE, SAN FERNANDO VALLEY
422C	S	60-25	2130	34	20	55	118	22	21	MRS. MARTHA J. GIFT 1.6 MILES NORTHEAST OF PACOINA DAM
423	S	75-08	3920	34	24	56	118	04	28	EARL W. SCRIBNER ALISO CANYON, 1.1 MILES BY ROAD FROM ANGELES FOREST HIGHWAY
425B-E	SA	54-39	1481	34	12	19	117	51	40	MIDDLETON AND HARRISON SAN GABRIEL DAM, NEAR SPILLWAY
427	S	15-64	127	33	57	28	118	08	12	L. W. JORDAN 7535 WEST FLORENCE AVENUE, DOWNEY
430	S	70-57	1176	34	25	17	118	32	26	SOUTHARD AND HARVEY SAUGUS, AT STATE HIGHWAY MAINTENANCE YARD
432	S	52-89	2035	34	12	27	118	31	03	F. W. BERRY SANTA ANITA CANYON, FERN LODGE
433	SA	51-69	1710	34	12	07	118	07	53	W. L. LEPISTO FARNSWORTH PARK, ALTADENA
434	SA	34-46	800	34	07	57	118	45	06	L.A. CO. F. & F.W. EMPLOYEES MALIBU DIVISION HEADQUARTERS, 0.8 MILES SOUTHWEST OF AGOURA
435	SA	23-12	600	34	04	40	118	41	23	CAPT. C. A. POLLMAN MONTE NIDO PATROL STATION, COLD CREEK NEAR MALIBU CREEK
436B	AP	49-04	1005	34	15	27	118	23	36	U.S.C. OF E. EMPLOYEES HANSEN DAM - AT OFFICE
437	S	4-30	40	33	47	27	118	10	08	J. C. VIDMAR HAMILTON BOWL, 1910 WALNUT AVENUE, LONG BEACH
440B	S	63-97	5250	34	19	37	118	00	17	ARTHUR H. MILLS CHILAO, U.S.F.S. CAMP
441-E	S	86-82	2662	34	34	31	118	06	53	E. MASHEK COUNTY ROAD DEPARTMENT MAINTENANCE YARD, 0.4 MILES SOUTH OF PALMDALE
442	SP	78-53	3810	34	28	09	117	44	45	E. A. EBERLE NEAR MESCAL CREEK ON FORT TEJON ROAD, LLANO
443	S	21-80	1725	34	05	50	118	48	55	W. A. BRANDEMBERGER MULHOLLAND HIGHWAY AND BACKUS ROAD, SANTA MONICA MOUNTAINS
444B	SA	2-52	452	33	46	36	118	20	38	C. P. STROGER PALOS VERDES HILLS AT PALOS VERDES DRIVE AND PORTUGUESE ROAD
445	SA	44-56	1510	34	08	02	117	44	38	TIE STUNDEN LIVE OAK DAM
446	SA	58-48	2367	34	19	00	118	33	27	T. J. WALL 5.5 MILES NORTH OF DEVONSHIRE STREET IN ALISO CANYON - SANTA SUSANA MOUNTAINS
447B	S	23-85	145	34	02	47	118	38	18	LLOYD SCHNEIDER 0.7 MILES FROM PACIFIC COAST IN LAS FLORES CANYON
449B	SA	41-03	875	34	10	05	118	05	33	H. E. WILSON EATON DAM, ALTADENA
451B	S	69-83	1066	34	27	52	118	36	57	WM. SANTA MARIA 24819 HIGHWAY 99, CASTAIC
453B	S	40-21	1090	34	11	10	118	10	23	K. M. YORK DEVIL'S GATE DAM, PASADENA
455	S	99-61	2395	34	40	57	118	08	03	L. R. POTTER STATE HIGHWAY MAINTENANCE YARD, 1.1 MILES SOUTH OF LANCASTER
456	S	102-54	2680	34	39	02	117	50	55	B. J. FEURER PIUTE BUTTE, 22 MILES EAST OF LANCASTER, 14 MILES NORTH OF LLANO
458	S	22-08	115	34	01	10	118	47	46	CAPT. D. S. BARNES 28722 ROOSEVELT HIGHWAY, ROMA PATROL STATION
460	S	76-65	4265	34	26	52	117	56	20	JAROHIR MATAY PLEASANT VIEW MESA, 6 MILES SOUTH OF PEARLOSSOM HIGHWAY
461	S	26-29	392	34	00	06	118	22	32	G. D. ASHDOWN ONE MILE NORTH OF SLAUSON AVENUE, BALDWIN HILLS
462B	S	25-95	185	34	02	54	118	24	06	WILLIAM STEWART HILLCREST COUNTRY CLUB, 10,000 PICO BOULEVARD, LOS ANGELES
463	S	25-78	92	34	00	49	118	25	32	JIM ALLISON 11637 CHARNOCK ROAD, SOUTHERN CALIFORNIA WATER COMPANY, MAR VISTA
464	S	51-40	3300	34	17	59	118	09	35	SGT. J. F. GARVIN HONOR CAMP #5, ANGELES FOREST HIGHWAY, TUJUNGA CANYON
465B	AP	37-33	675	34	09	48	118	27	59	U.S.C. OF E. EMPLOYEES SEPULVEDA DAM
466B	SA	60-54	3225	34	21	07	118	20	38	MRS. MARTHA J. GIFT PACOINA CANYON, DUTCH LOUIE CANYON
468-E	S	50-77	1600	34	13	15	118	13	45	E. CLAIRE PICKENS DEBRIS BASIN, NORTH OF FOOTHILL BOULEVARD AND BRIGGS TERRACE AVENUE
469	SP	27-14	235	34	03	19	118	17	25	R. F. CRISLER 1315 MAGNOLIA AVENUE, LOS ANGELES
470	SP A	63-01	4600	34	23	19	118	05	26	L. TURNER NEAR THE CANYON DIVIDE, MILL CREEK, TUJUNGA
471	AP	60-98	2750	34	18	57	118	18	02	U.S.C. OF E. EMPLOYEES GOLD CREEK TRUCK TRAIL, 1.2 MILES ABOVE WATTS RANCH, LITTLE TUJUNGA
473	S	72-64	2050	34	27	24	118	19	59	H. A. BLACKMELL AQUA DULCE CANYON, 8 MILES WEST OF ACTON
474B	S	14-94	130	33	57	23	118	12	18	V. J. ALLMENDINGER 8917 STATE STREET, SOUTH GATE
475	S	70-48	1134	34	25	04	118	33	23	H. METCHER NEWHALL LAND AND FARMING COMPANY OFFICE, SAUGUS
476B	S	34-06	800	34	07	27	118	47	43	H. J. RUESS RUESS RANCH, 0.5 MILES ABOVE LOBO CANYON IN TRIUNFO CANYON, CORNELL
477B	SA	53-28	4715	34	13	06	117	58	39	E. K. DE VORE SPRING CAMP AT HEAD OF EAST FORK - SANTA ANITA CANYON
478	SP	77-45	3715	34	26	44	117	51	02	C. C. BEARDSLEY U.S.F.S. HEADQUARTERS, PEARLOSSOM HIGHWAY, VALYERMO
480B	S	41-49	404	34	06	32	118	03	27	CAPTS. ARNSPITZER AND CURRY 5946 KAUFFMAN AVENUE, TEMPLE CITY
482	S	27-17	208	34	01	15	118	17	17	D. M. WILSON 920 WEST 36TH PLACE, LOS ANGELES, CIVIL ENGINEERING BUILDING, U.S.C.
485	S	30-90	522	34	05	48	117	54	04	G. W. BURCH 17621 CYPRESS AVENUE, COVINA
486B	SA	55-83	345	34	15	49	117	42	38	J. W. WIDMAN COLDWATER CANYON, 3.5 MILES ABOVE JUNCTION WITH CATTLE CANYON
488	S	49-20	1450	34	17	47	118	22	29	ROY KEAT KAGEL CANYON ROAD AND DEXTER ROAD, SAN FERNANDO
489	S	23-40	1318	34	05	39	118	39	23	J. H. STUNT COLD CREEK CANYON, 3.2 MILES ABOVE MONTE NIDO PATROL STATION
490	S	101-42	2472	34	40	46	117	57	06	G. JOHNSON NORTH SIDE OF TIERRA BONITA (AVE. K) ON WEST SIDE OF 100TH STREET E., LANCASTER
491B	S	24-75	330	34	02	45	118	31	45	C. D. CLEARWATER 855 VIA DE LA PAZ, PACIFIC PALISADES, SANTA MONICA
492	SA	63-98	5275	34	19	05	118	00	30	G. H. CUTTISER STATE HIGHWAY MAINTENANCE STATION NEAR CHILAO
493	S	59-81	1760	34	23	15	118	24	42	A. R. WHITMEYER 2.7 MILES SOUTH OF SOLEDAD CANYON ROAD, WEST OF SAND CANYON ROAD
494B	S	29-19	181	34	00	13	118	05	08	IRA D. CATE 4901 COLUMBIA AVENUE, PICO
495	SA	27-35	335	34	03	55	118	15	38	FLOOD CONTROL EMPLOYEES 751 SOUTH FIGUEROA STREET, LOS ANGELES
497	B, BI	44-67	1350	34	07	35	117	43	58	F. E. SLAUGHTER 4852 GLEN WAY, CLAREMONT
498	S	51-04	2300	34	15	30	118	11	45	L. TURNER ANGELES CREST HIGHWAY AT DARK CANYON TRAIL
508C	S	51-3								

TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 1951 - 52

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. O I "	WEST LONG. O I "	OBSERVER	LOCATION
530	SP	33-11	650	34 10 55	118 53 15	J. E. TRAYLOR	CONEJO RANCH, NORTHEAST OF VENTURA BLVD., VENTURA COUNTY
542-E	SP	109-79	3050	34 42 15	118 25 40	L.A.W.D. EMPLOYEES	LOS ANGELES AQUEDUCT RESERVOIR, FAIRMONT
551	SP	V. CO.	10	34 08 38	119 12 38	U.S. LIGHTHOUSE EMPLOYEE	PORT HUENEME LIGHTHOUSE, VENTURA COUNTY
557	3"P	17-57	300	33 55 44	117 56 48	MR. BRAY	CITRUS ASSOCIATION, 305 SOUTH HIATT STREET, LA HABRA, ORANGE COUNTY
565B	AP	3-91	11	33 47 16	118 12 08		1607 SAN FRANCISCO STREET, LONG BEACH
566	SP	4-82	15	33 46 46	118 08 36		LONG BEACH CITY EMPLOYEES
571C	SP	4-63	25	33 45 45	118 08 23		LONG BEACH CITY EMPLOYEES
575C	SP	4-02	63	33 46 29	118 11 30	MR. TEED	6TH AND PINE STREETS, LONG BEACH
577E	AP	27-55	417	34 02 43	118 14 59		U.S.W.B. EMPLOYEES
577F	SP AP	27-54	548	34 03 19	118 14 26		U.S.W.B. EMPLOYEES
587	SP	45-22	2500	34 10 22	117 40 40		S.C.E. CO. EMPLOYEES
588B	S	51-87	4450	34 13 35	118 06 40	J. W. MURMER	MOUNT LOWE IN GRAND CANYON
593B	SP	68-69	675	34 24 05	118 14 10	MR. M. GILL	NEWHALL RANCH, NEAR SANTA CLARA RIVER, VENTURA COUNTY
598	SP	107-91	3000	34 47 00	118 36 30		U.S.W.B. EMPLOYEES
610A	SP	40-73	980	34 10 04	118 07 21	MORRIS JONES	1250 NORTH HOLISTON STREET, PASADENA
610B	SP	40-55	884	34 08 55	118 08 36	HL J. STEVERT	CITY HALL, PASADENA
611B	S	40-92	1070	34 10 37	118 06 22	H. ALLEN	1830 NORTH PEPPER DRIVE, ALTAOENA
612	SP	51-39	1181	34 12 27	118 10 00	W. J. SIEVERT	CHLORINE PLANT, MOUTH ARROYO SECO CANYON, PASADENA
613B	SP	40-46	780	34 07 48	118 09 15	H. H. BURGESS	900 SOUTH PASADENA AVENUE, PASADENA
617	SP	32-23	870	34 04 03	117 46 23	J. E. ADAMSON	927 NORTH WEBER STREET, POMONA
619	SP	55-36	3200	34 12 50	117 40 10	S.C.E. CO. EMPLOYEES	SERRA POWER HOUSE, SAN ANTONIO CANYON, 2 MILES BELOW CAMP BALDY
627	SP	42-94	750	34 09 20	117 54 28	D. C. RUDELL	MOUTH OF SAN GABRIEL CANYON AT POWER HOUSE
629C	SP	3-27	85	33 43 15	118 16 17	U.S.W.B. EMPLOYEES	WAREHOUSE #1, LOS ANGELES OUTER HARBOR, SAN PEDRO
634B	SP	25-06	138	34 00 40	118 29 28	T. M. DONAHUE	CITY HALL, SANTA MONICA
644	3"P	V. CO.	300	34 15 40	118 59 48	E. A. SNYDER, JR.	SNYDER RANCH - SOMIS
647G	SP	50-03	1690	34 15 43	118 17 33	F. P. STEVENS	10600 MOUNTAIN AVENUE, TUJUNGA
650B	SP	45-25	1850	34 08 20	117 40 25	MR. BAIRD	1455 WEST 21ST STREET, UPLAND, SAN BERNARDINO COUNTY
656A	SP	49-83	1265	34 16 03	118 19 11	M. OVERHOLSER	8625 WENTWORTH STREET, SUNLAND
660	SP	V. CO.	49	34 11 26	119 10 27	U.S.W.B. EMPLOYEES	OXNARD, VENTURA COUNTY
662	SP	9-27	71	33 49 28	118 10 14		LONG BEACH CITY EMPLOYEES
665	SP	9-23	50	33 51 37	118 10 43		LONG BEACH CITY EMPLOYEES
671B	SP	27-94	325	34 03 16	118 12 13	S.C.E. CO. EMPLOYEES	37TH AND GAVIOTA AVENUE, LONG BEACH
672	SP	40-14	1000	34 09 00	118 10 58	S.C.E. CO. EMPLOYEES	1006 NORTH BREED STREET, LOS ANGELES
673B	S	4-85	119	33 44 42	118 06 43	W. C. POE	7888 NORTH FIGUEROA STREET, EAGLE ROCK
676	4"P	13-93	173	33 58 01	118 18 24	H. F. PARKINSON	SAN GABRIEL RIVER AT OCEAN BOULEVARD, SEAL BEACH, ORANGE COUNTY
677C	SP	40-22	983	34 10 19	118 10 41	C. V. HOFFNER	1727 WEST 80TH STREET, LOS ANGELES
679	SP	40-32	1047	34 10 40	118 09 57	H. J. SIEVERT	1333 LIDA STREET, PASADENA
678	SP	30-27	310	34 01 15	117 58 37	H. I. MURRIS	SHELDON RESERVOIR, NEAR MOUNTAIN STREET AND ARROYO BLVD., PASADENA
680	SP	25-52	483	34 04 17	118 26 27	F. A. ARSENAULT	533 9TH AVENUE, PUNTE
683	SP AP	51-56	2110	34 12 53	118 08 48	U.S.F.S. EMPLOYEES	7417 ROSEMAD BOULEVARD, RIVERA
688B	6"P	40-68	608	34 06 59	118 08 03	CARL V. COOPER	P.O. TERMINAL BLDG., MACY AND DATE STREETS, LOS ANGELES
691	8.81"	45-14	2090	34 09 20	117 40 55	G. A. RITTER	410 DUCOMMUN STREET, LOS ANGELES
694D	S	50-11	1475	34 17 09	118 17 24	DON FOSTER	3515 NORTH ADAMS, GLENDALE
695	SP	50-60	1850	34 17 22	118 13 38	E. G. ULRICH	CECIL B. DE WILLE RANCH, ALDER CREEK, LITTLE TUJUNGA CANYON
696	SP	41-21	1400	34 10 54	118 04 42	ROBERT CASAMAJOR	7 MILES ABOVE FOOTHILL BOULEVARD IN TUJUNGA CANYON
703	SP	38-54	603	34 09 02	118 14 29	P. T. MC INTYRE	2036 PASADENA GLEN ROAD, PASADENA GLEN
705	SP	60-87	2330	34 19 48	118 19 03	J. M. SHIFFER	2814 CARLARIS ROAD, SAN MARINO
706	S	15-92	155	33 56 42	118 06 08	C. L. NEWLIN	SAN ANTONIO SPREADING GROUNDS, MOUTH OF SAN ANTONIO CANYON
715	SP	27-64	280	34 03 00	118 14 00	U.S.W.B. EMPLOYEES	3 MILES NORTHEAST OF FOOTHILL BLVD. IN TUJUNGA CANYON
716	SP	27-64	295	34 03 10	118 14 13	P. T. MC INTYRE	7 MILES ABOVE FOOTHILL BOULEVARD IN TUJUNGA CANYON
718	SP	33-63	870	34 10 16	118 50 35	E. ZIEHMER	2036 PASADENA GLEN ROAD, PASADENA GLEN
719	S	42-54	785	34 09 01	117 56 47	G. L. NORTON	3515 NORTH ADAMS, GLENDALE
720	SP	46-44	1200	34 15 36	118 39 36	J. E. SMITH	CECIL B. DE WILLE RANCH, ALDER CREEK, LITTLE TUJUNGA CANYON
722	S	98-67	2740	34 37 46	118 13 51	A. E. STRATMAN	7417 ROSEMAD BOULEVARD, RIVERA
723	SP AP	37-46	875	34 08 13	118 27 25	L.A. CITY WATER DEPT. EMPL.	P.O. TERMINAL BLDG., MACY AND DATE STREETS, LOS ANGELES
724	SP AP	43-92	1775	34 10 37	117 48 29	U.S.F.S. EMPLOYEES	410 DUCOMMUN STREET, LOS ANGELES
725	AP	36-90	782	34 11 17	118 30 20	U.S.C. OF E. EMPLOYEES	VENTURA BOULEVARD AND ERBES ROAD, VENTURA COUNTY
726	S AP	51-16	2300	34 14 00	118 10 30	L. TURNER	MADDOCKS RANCH, NORTH END OF LOS LOMAS AVENUE, DUARTE
727	SP	52-76	4160	34 13 50	118 01 35	E. K. DE VORE	EAST END SIMI VALLEY, VENTURA COUNTY
728	SP	60-93	3000	34 21 40	118 18 28	U.S.F.S. EMPLOYEE	AVENUE N AND AVENUE 60 WEST, LANCASTER
730	SP	51-67	2800	34 13 30	118 07 50	U.S.F.S. EMPLOYEE	STONE CANYON SOUTH OF SHERMAN OAKS
731	SP	40-20	1100	34 11 50	118 10 10	U.S.F.S. EMPLOYEE	NEAR MOUTH OF MONROE CANYON, ABOVE BIG DALTON DAM
732B	S T	53-77	4160	34 13 30	117 55 15		BIRMINGHAM HOSPITAL, NEAR VAN OWEN ST. AND BALBOA BLVD., VAN NUYS
734	SP	13-16	102	33 56 04	118 23 05	U.S.W.B. EMPLOYEE	ANGEL'S CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
735	AP	35-40	915	34 11 42	118 39 27	U.S.C. OF E. EMPLOYEES	NEWCOMB PASS, 2 MILES NORTHEAST OF MT. WILSON
737	SP	V. CO.	4000	34 35 07	119 19 02	FRANK FELT	PACOIMA CANYON BETWEEN NOEL AND GOOSEBERRY CANYON
739	SP	V. CO.	335	34 20 00	119 08 00		NEAR DOWN MINE, MILLARD CANYON, ARROYO SECO
740B	AP	45-00	5200	34 12 00	117 41 45	U.S.F.S. EMPLOYEES	OAK GROVE PARK, ABOVE DEVI'L'S GATE DAME, PASADENA
741	AP	44-50	2750	34 11 45	117 44 28	U.S.F.S. EMPLOYEES	BETWEEN ROBERTS CANYON & SAN GABRIEL - W. FORK, NEAR PINE MOUNTAIN
742	SP	29-00	430	34 05 44	118 05 57	FIRE DEPARTMENT EMPLOYEES	MINES FIELD, 5901 WEST IMPERIAL HIGHWAY, LOS ANGELES
746	SP	K. CO.	2620	35 03 00	118 10 00	MR. BACKUS	PLATT RANCH, NEAR BELL CANYON, WEST OF CANOGA PARK
747	SP AP	106-75	4517	34 44 47	118 43 29		WHEELER SPRINGS, VENTURA COUNTY
749	SP AP	38-50	699	34 12 00	118 20 56	U.S.W.B. EMPLOYEES	SANTA PAULA, LIMONERA RANCH, VENTURA COUNTY
750	SP AP	100-18	2536	34 36 59	118 05 02	U.S.W.B. EMPLOYEES	SAN DIMAS CANYON, FERN CANYON
751	SP	74-86	80	33 50 00	118 18 58	FIRE DEPARTMENT EMPLOYEES	SAN DIMAS CANYON, UPPER EAST FORK
752	SP	41-95	503	34 08 49	118 00 17	J. E. GEARY	DEL MAR NEAR MISSION STREET, SAN GABRIEL
755	AP	39-17	900	34 07 34	118 17 03	L.A. CITY EMPLOYEES	7 MILES SOUTH OF MOJAVE, BACKUS RANCH, KERN COUNTY
756	AP	39-06	1200	34 07 51	118 17 50	L.A. CITY EMPLOYEES	SANDBERG AIRWAYS - TOP OF BALL MOUNTAIN
757	AP	38-97	800	34 07 16	118 18 22	L.A. CITY EMPLOYEES	ROOF ADMINISTRATION BUILDING, LOCKHEED AIRPORT, BURBANK
758	AP	39-06	625	34 08 02	118 17 27	L.A. CITY EMPLOYEES	C.A.A. AIRWAY COMMUNICATION STATION, PALMDALE
759	AP	38-49	422	34 06 10	118 21 23	L.A. CITY EMPLOYEES	1523 CRAVEN AVENUE, TORRANCE
760	AP	37-95	680	34 08 29	118 24 26	L.A. CITY EMPLOYEES	428 WEST LEMON AVENUE, MONROVIA
761	SP	37-46	1190	34 08 02	118 27 32	L.A. CITY EMPLOYEES	GRIFFITH PARK, LITTLE CANYON
762	AP	37-47	925	34 07 28	118 27 17	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER SPRING CANYON
763B	SP	37-29	1300	34 06 25	118 28 26	L.A. CITY EMPLOYEES	GRIFFITH PARK, FERN DELL
764	SP	37-59	890	34 06 34	118 27 01	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER SPRING CANYON
765B	SP	37-16	1250	34 07 52	118 28 53	L.A. CITY EMPLOYEES	1736 COURTNEY AVENUE, HOLLYWOOD
766	AP	36-97	1625	34 07 38	118 30 03	L.A. CITY EMPLOYEES	3913 GOODLAND AVENUE, STUDIO CITY
767	SP	36-98	1225	34 07 12	118 30 12	L.A. CITY EMPLOYEES	STONE CANYON, NORTH
768	SP	36-87	1465	34 07 19	118 30 52	L.A. CITY EMPLOYEES	UPPER STONE CANYON
769	AP	36-49	1980	34 06 32	118 33 31	L.A. CITY EMPLOYEES	SEPIULVEDA CANYON - EAST FIRE ROAD NO. 19
770	AP	24-44	700	34 03 34	118 33 25	L.A. CITY EMPLOYEES	STONE CANYON - 2302 RAIL LANE
771	AP	24-94	265	34 07 05	118 30 32	L.A. CITY EMPLOYEES	15801 MULHOLLAND DRIVE
772	AP	27-41	475	34 05 00	118 15 11	L.A. CITY EMPLOYEES	MANDEVILLE CANYON - FIRE ROAD NO. 24
774	AP	27-52	423	34 04 28	118 14 46	L.A. CITY EMPLOYEES	3351 MANDEVILLE CANYON ROAD

TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 19⁵¹ - 52

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	LOCATION
775	AP	27-55	249	34 02 23	118 14 46	L.A. CITY EMPLOYEES	8TH AND CROCKER STREETS, LOS ANGELES
776	SP	38-37	1025	34 07 18	118 21 46	L.A. CITY EMPLOYEES	NICHOLS CANYON NEAR MULHOLLAND DRIVE
777	SP	25-13	406	34 03 43	118 28 50	L.A. CITY EMPLOYEES	KENTER CANYON, 2.59 NORTH KENTER AVENUE
778B	SP	25-21	550	34 04 48	118 28 13	L.A. CITY EMPLOYEES	11817 BELLAGIO ROAD, SEPULVEDA CANYON
779	AP	39-05	625	34 08 50	118 17 50	L.A. CITY EMPLOYEES	GRIFFITH PARK, LOWER MINERAL WELLS
780	AP	38-95	1025	34 08 33	118 18 08	L.A. CITY EMPLOYEES	GRIFFITH PARK, UPPER MINERAL WELLS
783	SP AP	51-28	1268	34 12 45	118 10 14	U.S.F.S. EMPLOYEES	MOUTH OF COON CANYON IN ARROYO SECO
784	SP	51-38	1575	34 12 56	118 10 10	U.S.F.S. EMPLOYEES	0.25 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
785	SP	51-38	1707	34 13 03	118 10 05	U.S.F.S. EMPLOYEES	0.4 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
786	SP	51-37	2207	34 13 18	118 09 50	U.S.F.S. EMPLOYEES	0.75 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
787	SP	51-38	2022	34 13 09	118 09 51	U.S.F.S. EMPLOYEES	0.6 MILE ABOVE MOUTH OF COON CANYON IN ARROYO SECO
788	SP	51-36	1825	34 13 00	118 09 58	U.S.F.S. EMPLOYEES	0.4 MILE ABOVE MOUTH OF COON CANYON ON EAST SLOPE, ARROYO SECO
789	SP	51-47	2035	34 11 17	118 09 19	U.S.F.S. EMPLOYEES	2.6 MILES NORTHWEST OF CHENY TRAIL & LOMA ALTA DRIVE, ALTADENA
790	SP	V. CO.	470	34 23 54	118 55 06	CITRUS ASSOC. EMPLOYEES	FILLMORE CITRUS ASSOCIATION, VENTURA COUNTY
791	SP	V. CO.	150	34 16 09	119 08 08	LEMON ASSOC. EMPLOYEES	CULBERTSON LEMON ASSOC., SATICOY, VENTURA COUNTY
792	SP	V. CO.	290	34 21 12	119 02 48	AGRICULTURE EMPLOYEES	COUNTY AGRICULTURE OFFICE, SANTA PAULA, VENTURA COUNTY
793	SP	51-96	5300	34 14 20	118 06 00	U.S.F.S. EMPLOYEES	MARKHAM SADDLE, 0.6 MILES WEST OF MT. WILSON
794	SP	25-80	585	34 05 43	118 24 42	L.A.W.D. EMPLOYEES	LOWER FRANKLIN RESERVOIR
795	SP	41-15	710	34 08 48	118 05 15	P.W.D. EMPLOYEES	NEAR COLORADO STREET AND KINNELOA AVENUE, PASADENA
796	AP	27-61	700	34 04 55	118 14 22	L.A. CITY EMPLOYEES	REPOSA STREET AND AVALON PARK ROW, ELYSIAN PARK
797	SP	47-12	1127	34 16 19	118 35 12	L.A.W.D. EMPLOYEES	NORTH END OF DE SOTO STREET, NORTHEAST OF CHATSWORTH
799	SP	25-39	460	34 00 25	118 21 17	L.A.W.D. EMPLOYEES	0.7 MILE SOUTH OF SANCHEZ DRIVE AND CLOVERDALE AVENUE, BALDWIN HILLS
801	AP	61-10	4450	34 23 45	118 17 12	U.S.C. OF E. EMPLOYEES	NORTH OF SANTA CLARA DIVIDE ON MAGIC MOUNTAIN
803	AP	37-48	825	34 06 43	118 27 25	L. A. CITY EMPLOYEES	STONE CANYON RESERVOIR (WEST SIDE) SANTA MONICA MOUNTAINS
804	SP	38-95	987	34 08 35	118 18 12	L. A. CITY EMPLOYEES	NORTH CANYON - GRIFFITH PARK, NORTH END OF PARK
805	AP	39-39	435	34 06 28	118 15 49	BEN PACHECO	2771 ROWENA AVENUE - NEAR SILVER LAKE HEIGHTS
806	AP	27-40	565	34 05 56	118 15 23	W.C. OLSON	2376 TEVIOT STREET, SILVER LAKE HEIGHTS
1002	S	50-03	1805	34 16 03	118 17 50	NORMAN TANGUAY	HUNT CANYON, 1.0 MILE SOUTH OF FORT TEJON ROAD
1004	S	23-02	470	34 04 47	118 41 57	H. A. ZIEGLER	7618 LE BERTHON STREET, TUJUNGA
1005	S	84-48	2350	34 30 47	118 21 31	R. E. TAGGART	AT JUNCTION OF MALIBU CREEK AND COLD CREEK, CRATER CAMP
1006	SA	3-05	150	33 44 37	118 17 47	H. H. PETERSON	MINT CANYON AND SPADE SPRING CANYON NEAR THE OAKS
1007B	S	64-25	5900	34 20 40	117 58 41	D. DONALD GITT	FIRST AND MEYLER STREETS, SAN PEDRO
1008-E	SA	7-63	65	33 52 07	118 19 55	E. F. LEWIS	CAMP VALCREST, ANGELES CREST HIGHWAY, NORTHEAST OF CHILAO
1009	S	71-66	1625	34 26 04	118 26 06	JAMES W. DYER	17680 YUKON AVENUE, S.C.E. CO. SUBSTATION, GARDENA
1010B	SA	44-93	2150	34 09 36	117 42 07	JERRY LYTON	MINT CANYON, 17262 SIERRA HIGHWAY
1011	S	2-54	1275	33 45 28	118 20 57	ROLAND SWAFFIELD	PALMER CANYON, 1.5 MILES NORTH NORTHEAST OF THOMPSON CREEK DAM
1012	S	69-96	1001	34 26 23	118 36 20	B. T. DUBY	SAN PEDRO HILLS, 2 CREST ROAD EAST
1013B	SA	61-39	1650	34 18 00	118 16 06	L. TURNER	CASTAIC JUNCTION, HIGHWAY 99 AND VENTURA HIGHWAY
1014B-E	SA	15-30	155	33 59 25	118 06 35	R. H. WALKER	TUJUNGA CANYON ABOVE GOLD CANYON
1016	S	34-83	1000	34 09 43	118 44 09	S. W. SWANSON	8020 WASHINGTON BOULEVARD, EAST OF RIO HONDO
1017	SA	75-83	3330	34 27 51	118 01 09	J. W. LUCE	PALO COMADO CANYON, 1.7 MILES NORTH OF VENTURA BLVD., AGOURA
1018	ST	57-96	3515	34 20 19	118 36 34	FLOOD CONTROL EMPLOYEES	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK
1019	ST	57-34	2850	34 21 26	118 39 42	FLOOD CONTROL EMPLOYEES	SANTA SUSANA MTS., TOWSLEY CANYON AND DEVIL'S CANYON DIVIDE
1020	S	45-05	1810	34 08 54	117 41 53	CAPTAIN FINN	SANTA SUSANA MTS., AT HEAD OF SALT CANYON
1021	ST	61-14	4500	34 21 03	118 16 53	FLOOD CONTROL EMPLOYEES	PADUA HILLS PATROL STATION, 4349 PADUA AVENUE, CLAREMONT
1022	S	69-12	1710	34 28 45	118 41 06	J. B. WHARTON	YERBA BUENA TRAIL BETWEEN S. FORK, PACOIMA CANYON & SLAUGHTER CANYON
1023B	S	36-27	1415	34 07 44	118 34 42	W. SPEER	HASLEY CANYON, 5 MILES ABOVE JUNCTION WITH CASTAIC CREEK
1024B	S	36-07	1050	34 07 20	118 35 29	BOB DE WITT	GARRAPATA CN., 0.45 MILE S. MULHOLLAND HIGHWAY ON SANTA MARM ROAD
1025	S	22-86	160	34 02 02	118 42 43	PHILLIP DUNNE	SANTA ANITA CANYON SPRINGS
1026	S	52-89	1825	34 12 09	118 01 03	ROBERT E. GICK	24708 PACIFIC COAST HIGHWAY, MALIBU BEACH
1023	S	22-63	1300	34 03 37	118 44 23	EDWARD STEWART	SANTA ANITA CANYON, 0.2 MILE ABOVE WINTER CREEK
1029	S	63-10	4950	34 23 27	118 04 50	W. M. DONNELLY	3 MILES FROM PACIFIC OCEAN IN CORRAL CANYON
1030	S	65-65	7590	34 20 50	117 49 57	FLOOD CONTROL EMPLOYEES	TIE CANYON DIVIDE, SOUTH OF ANGELES FOREST HIGHWAY
1031	ST	64-65	7855	34 20 28	117 55 53	FLOOD CONTROL EMPLOYEES	BETWEEN MOUNT ISLIP AND LITTLE JIMMY SPRINGS
1032	S	23-03	750	34 03 40	118 41 45	ROAD CAMP EMPLOYEES	0.5 MILE NORTHEAST OF WATERMAN MOUNTAIN
1033	S	64-65	7800	34 20 35	117 55 58	L. O. NEWCOMB	2 MILES FROM PACIFIC OCEAN IN MALIBU CANYON
1034	SA	71-27	1350	34 25 14	118 28 18	EARL SCHMIDT	TOP OF WATERMAN MOUNTAIN SKI LIFT
1035	S	16-40	280	33 58 52	118 03 10	WALTER J. WOOD	ONE MILE EAST NORTHEAST OF SOLEDAD CN. ROAD AND SIERRA HIGHWAY
1036	S	60-56	1900	34 19 54	118 20 37	FRANK SHUBERT	1411 BEVERLY DRIVE, WHITTIER
1037-E	S	41-45	525	34 08 38	118 03 10	J. T. MC GAH	5.4 MILES ABOVE FOOTHILL BOULEVARD IN LITTLE TUJUNGA CANYON
1038	ST	63-66	6925	34 22 44	118 01 53	FLOOD CONTROL EMPLOYEES	291 NORTH OLD RANCH ROAD, ARCADIA
1039	S	26-82	270	34 04 41	118 18 44	DR. DON MAC QUEEN	SOUTHEAST OF PACIFICO MOUNTAIN
1040	S	57-60	1150	34 23 50	118 38 18	SUNRAY OIL PUMBERS	643 SOUTH WILTON PLACE, LOS ANGELES
1041B	B, 8.1" P AP	42-28	427	34 06 52	117 58 20	TOM RAY	4 MILES SOUTHWEST OF SANTA CLARA RIVER AND HIGHWAY 99
1042	SP	2-73	825	33 45 37	118 19 47	J. H. ROBERTSON	SANTA FE DAM EAST OF SPILLWAY
1043	SP	2-66	950	33 44 12	118 19 57	J. H. ROBERTSON	EASTFIELD GATE - ROLLING HILLS
1044	SP	2-46	150	33 44 20	118 21 30	J. H. ROBERTSON	EASTCREST GATE - ROLLING HILLS
1045	SP	2-15	250	33 44 57	118 24 25	J. H. ROBERTSON	YACHT HARBOR DRIVE - PALOS VERDES DRIVE SOUTH
1046	S	41-70	2175	34 11 48	118 01 20	HUGH SHERA	CREST ROAD - PALOS VERDES DRIVE WEST
1047	S	30-75	400	34 02 32	117 55 40	C. J. REINHARD	NORTH END OF CHANTRY FLAT - SANTA ANITA CANYON
1048	S	50-47	1410	34 13 29	118 15 23	O. O. LANGERUD	16129 MEADOWSIDE STREET, PUENTE
1049	S	49-58	930	34 13 02	118 20 41	CLAUD SABIN	3916 DUNSMORE STREET, LA CRESCENTA
1050	S	35-79	1010	34 06 29	118 37 41	FERMIN GRAY	NORTH END HOLLYWOOD WAY, NORTH OF BURBANK
1051	SP	36-21	800	34 10 53	118 34 23	LEE HAINES	1535 VALLEY DRIVE, TOPANGA
1052	SP	24-71	650	34 05 00	118 31 17	PAUL WEISS	6201 WINNETKA AVENUE, C. W. PIERCE COLLEGE, CANOGA PARK
1053	S	50-02	1500	34 16 42	118 17 43	K. A. SOLOMON	3000 RUSTIC CANYON, B.S.A. CAMP JOSEPHO
1054	S	59-87	1730	34 19 35	118 24 45	TOM REED	TUJUNGA CANYON, 1.7 MILES ABOVE FOOTHILL BOULEVARD
X- 6	SA	36-86	1240	34 08 15	118 30 57	H. MC CAULEY	1.6 MILES NORTHEAST OF FOOTHILL BOULEVARD AND SAYRE STREET
X- 7	S	89-54	2652	34 33 34	117 50 36	K. A. PETERSEN	0.4 MILE SOUTH OF ENCINO RESERVOIR, ENCINO
X- 9	S	111-69	2351	34 42 05	118 14 09	R. J. COLES	NEAR 167TH STREET EAST AND AVENUE S, LLANO
X-10	S	109-33	2920	34 45 40	118 27 55	L. M. BARNES	NEAR 60TH STREET WEST AND AVENUE T, LANCASTER
X-11	8.81" K. CO.	90-81	2450	35 00 00	117 40 00	V. C. HORTON	190TH STREET WEST AND ONE MILE NORTH HIGHWAY 138, FAIRMONT
X-12	8.81" K. CO.	90-81	2910	34 34 50	117 43 10	G. K. FITCH	404 NORTH ROBERTS AVENUE, BURON
X-15	S	116-16	3075	34 44 06	117 46 58	M. R. CARD	230TH STREET EAST AND AVENUE Q-B, WILSONA
							195TH STREET EAST AND AVENUE G, HI VISTA

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

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

QUAD INDEX NUMBERS

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

TABLE VIII
RAIN GAGE STATION LOCATION
SEASON 1952-53

STA. NO.	TYPE GAGE	QUAD INDEX	ELEV. OF GAGE	NORTH LAT. ° ' "	WEST LONG. ° ' "	OBSERVER	LOCATION
99	SP	48-37	828	34 13 53	118 28 04	E. CROUCH	SEPULVEDA AND RAVEN, SAN FERNANDO VALLEY
32C-E	S	58-61	1243	34 23 07	118 31 54	PAUL CLARK	1457 SAN FERNANDO ROAD, NEWHALL
43A	S	7-19	250	33 48 00	118 23 00	R. W. HIATT	FIRE STATION, PALOS VERDES ESTATES
47A'	S	51-22	3100	34 16 36	118 10 15	ERNEST WHITE	CLEAR CREEK, 1.6 MILES ABOVE BIG TUJUNGA CANYON
47C	SA	51-22	3125	34 16 45	118 10 27	S. BLAKELY	CLEAR CREEK NEAR ANGELES FOREST HIGHWAY
54B	SPA	63-55	4025	34 20 30	118 02 56	H. HOGAN	NEAR JUNCTION NORTH AND MIDDLE FORKS, ALDER CREEK, BIG TUJUNGA
80B	ST	67-06	5680	34 20 30	117 41 35	F.C.I. EMPLOYEES	PRAIRIE FORK, 2.5 MILES UPSTREAM FROM VINCENT GULCH
96B-E	SA	31-90	1030	34 05 30	117 48 24	F.A. POLLARD	PUDDINGSTONE DAM AT CARETAKER'S HOUSE
104	S	30-09	600	34 00 23	117 59 46	JOHN THOMAS	14570 7TH AVENUE, NORTH WHITTIER HEIGHTS
210B	SAP	39-21	1250	34 11 19	118 16 21	F.C. EMPLOYEES	SOUTHWEST SLOPE, 200 FEET ABOVE TANK, BRAND PARK
215C	S	9-71	90	33 52 56	118 07 34	M.E. LILLEY	HEROLD ENTERPRISE NEWSPAPER BUILDING, BELLFLOWER
223B-E	SA	43-63	1575	34 10 13	117 48 30	D.E. WILSON	BELOW BIG DALTON DAM AT CARETAKER'S HOUSE
236	S	59-88	1455	34 19 12	118 24 59	K. RUST	NORTH END OF HUBBARD AVENUE, SAN FERNANDO
250D	S	74-04	2550	34 27 02	118 11 52	J.B. WILLIAMS	SOLEDAD AND ARRASTRE CANYONS, 2 MILES WEST OF ACTON
279C	S	41-11	1375	34 10 50	118 05 00	H.J. WEIDEN	1960 SIERRA MADRE VILLA AVENUE, PASADENA
295G	S	39-34	530	34 09 07	118 15 40	R. STAPENHORST	409 WEST LEXINGTON AVENUE, GLENDALE
351D	SP	86-81	2648	34 34 51	118 06 52	J. NICHOLS	818 AVENUE 0-7, PALMDALE
352	SA	21-21	1530	34 04 50	118 52 38	J. RIMMER	LECHUZA PATROL STATION, 4 MILES FROM PACIFIC COAST ON DECKER ROAD
410D	S	81-13	2630	34 33 54	118 40 54	F. RUMTER	35817 HIGHWAY 99, CASTAIC
411C	S	16-11	170	33 53 20	118 04 58	C.W. ROBINSON	6004 SOUTH PASSONS BOULEVARD, RIVERA
419B	ST	61-92	5450	34 22 26	118 12 20	F.C. EMPLOYEES	2.5 MILES WEST OF MT. GLEASON
441B-E	S	86-82	2662	34 34 31	118 06 53	E. MASHEK	0.4 MILE SOUTH OF PALMDALE
443B	S	21-80	1700	34 05 35	118 48 53	A.O. BEACH	SOUTH SOUTHWEST OF MULHOLLAND AND BACKUS ROAD, LATIGO CANYON
453B	SA	40-21	1090	34 11 10	118 10 23	K.M. YORK	DEVIL'S GATE DAM AT CARETAKER'S HOUSE
456	S	102-54	2680	34 39 02	117 50 55	G. OLIVER	PIUTE BUTTE, 22 MILES EAST OF LANCASTER, 14 MILES NORTH OF LLANO
460B	S	76-64	3996	34 27 35	117 55 58	NOAL NEAL	PLEASANT VIEW MESA NORTH OF PALLET CREEK ROAD AND E. OF AVE. 106, E.
470	SPA	63-01	4600	34 23 19	118 05 26	S. BLAKELY	NEAR TIE CANYON DIVIDE, MILL CREEK, TUJUNGA
495	SA	27-35	335	34 03 55	118 15 38	F.C. EMPLOYEES	751 SOUTH FIGUEROA STREET, LOS ANGELES
498	S	51-04	2800	34 15 30	118 11 45	S. BLAKELY	ANGELES CREST HIGHWAY AT DARK CANYON TRAIL
618B	3" P	V. CO	1070	34 17 12	118 43 06	F.A. SNYDER	TAPO CITRUS ASSOCIATION, VENTURA COUNTY
671B	SP	27-94	325	34 03 16	118 12 13	S.C.E. CO. EMPLOYEES	1006 NORTH BREED STREET, LOS ANGELES
681A	S	41-62	890	34 10 11	118 01 54	RUPERT POLE	2219 NORTH SANTA ANITA, SIERRA MADRE
694D	S	50-11	1475	34 17 09	118 17 24	D. E. FOSTER	12232 MT. GLEASON ROAD, TUJUNGA CANYON
695B	S	50-71	1850	34 17 12	118 13 32	L.J. CANNON	TUJUNGA CANYON AT VOGEL FLAT
715B	SAP	27-64	282	34 03 35	118 14 07	L. A. CITY EMPLOYEES	NORTHEAST OF MACY AND MAIN STREETS AT POST OFFICE TERMINAL ANNEX
726	SAP	51-16	2300	34 14 00	118 10 30	S. BLAKELY	ANGELES CREST GUARD STATION AT FALLS CANYON, ARROYO SECO
750	SP	100-18	2536	34 36 59	118 05 02	U.S.W.S. EMPLOYEES	C.A.A. AIRWAY STATION, PALMDALE
802	SP	40-15	865	34 08 42	118 11 21	MR. HAYWARD	HILLMONT AND CEDAREDE AVENUE, EAGLE ROCK
1002	S	50-03	1605	34 16 03	118 17 50	F.P. EADE	7618 LE BERTHON STREET, TUJUNGA
1013B	SA	61-39	1650	34 18 00	118 16 06	S. BLAKELY	TUJUNGA CANYON ABOVE GOLD CANYON
1014C-E	SA	15-90	155	33 59 25	118 06 35	R.H. WALKER	8020 WASHINGTON BOULEVARD, RIVERA
1017	SA	75-83	3330	34 27 51	118 01 08	L. TURNER	LITTLE ROCK CREEK ABOVE SANTIAGO CREEK
1033	S	64-65	7800	34 20 35	117 55 58	L.O. NEWCOMB	TOP WATERMAN SKI LIFT
1035	SA	16-40	280	33 59 52	118 03 10	W.J. WOOD	1411 BEVERLY DRIVE, WHITTIER
1055	S	S.A. CO.	7800	34 16 25	117 36 50	W. MESSER	2.1 MILES SOUTHEAST OF SAN ANTONIO PEAK
1056	S	113-72	2315	34 46 20	118 01 40	H.A. MC CARGER	5701 EAST AVENUE E., LANCASTER
1057	S	29-46	223	34 01 52	118 03 05	O. STULTZ	664 NORTH DURFEE ROAD, WHITTIER NARROWS
1058	AP	87-00	2590	34 35 45	118 05 35	IRRIGATION DISTRICT	1.7 MILES NORTHEAST OF PALMDALE
1059	ST	65-98	7750	34 18 41	117 46 35	F.C. EMPLOYEES	SOUTH HAWKINS PEAK
1060	SA	76-28	3925	34 25 02	117 58 17	C.C. BEARDSLEY	LITTLE ROCK CANYON AT SYCAMORE CAMP
1061	SA	42-44	1025	34 09 18	117 57 22	VICTOR KLEIN	SPINKS CANYON, DUARTE
1062	S	64-85	6660	34 20 45	117 55 12	BILL THOMPSON	BUCKHORN FLAT 1.25 MILES NORTHEAST OF WATERMAN MOUNTAIN
1063	S	75-00	3610	34 29 38	118 05 24	J.G. JOHNSTON	SOLEDAD PASS 1.6 MILES EAST OF ANGELES FOREST HIGHWAY
1064	S	55-35	2000	34 14 36	117 45 40	A. WINDEN	SAN GABRIEL CANYON-EAST FORK ABOVE CATTLE CANYON
X9B	S	98-61	1262	34 41 11	118 13 53	J.P. KALPAKOFF	SOUTHEAST OF AVENUE J AND AVENUE 60 W., LANCASTER

NOTE: RAIN GAGE STATIONS FOR SEASON 1952-53 WERE IDENTICAL WITH SEASON 1951-52 EXCEPT AS SHOWN ON ABOVE FOR 1952-53

LEGEND REGARDING GAGE TYPE AND OWNERSHIP

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

QUAD INDEX NUMBERS

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

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

SEASON	"A" COASTAL PLAIN	"B" SAN FERNANDO VALLEY	"C" SAN GABRIEL VALLEY	"D" SAN GABRIEL MOUNTAINS	"E" SANTA MONICA MOUNTAINS	"F" SIERRA PELONA	"G" DESERT	COUNTY INDEX *
1872-73	95	95	77	79	94	86	78	84
74	154	154	150	151	150	151	150	151
75	120	121	82	86	120	100	83	87
76	167	167	124	129	32	144	125	141
77	35	27	27	25	32	17	17	24
78	137	123	137	125	131	64	64	54
79	73	57	72	65	66	38	38	100
80	125	108	125	123	122	121	131	54
81	79	66	78	73	77	56	60	124
82	64	57	68	68	64	78	79	67
1882-83	70	63	75	69	71	54	45	60
84	236	221	239	246	235	262	284	254
85	57	56	57	57	58	50	55	55
86	147	141	129	140	153	169	196	161
87	85	84	79	87	84	106	122	98
88	102	83	123	119	105	107	109	108
89	126	124	130	132	127	133	142	133
90	166	200	194	203	146	225	231	205
91	93	78	134	100	99	91	97	95
92	77	61	82	75	71	70	71	73
1892-93	157	138	156	148	133	126	123	138
94	49	39	56	50	47	46	49	48
95	106	111	122	121	101	92	92	94
96	60	52	54	54	56	52	52	69
97	122	112	108	108	111	102	50	95
98	49	27	57	46	42	23	37	40
99	45	27	40	32	38	28	33	34
00	61	52	56	58	59	48	87	63
01	104	106	115	103	102	111	96	104
02	72	58	64	63	71	53	60	62
1902-03	140	119	120	117	128	110	117	120
04	56	52	55	55	58	45	38	48
05	122	134	127	121	126	138	131	129
06	142	120	126	128	124	111	119	123
07	129	145	139	139	130	166	156	148
08	87	91	90	93	90	95	96	93
09	120	108	123	113	114	80	105	103
10	84	76	90	89	84	106	105	95
11	111	119	125	137	118	150	133	132
12	60	86	75	80	71	81	57	74
1912-13	75	85	76	79	74	88	70	75
14	145	162	162	163	149	159	144	154
15	134	128	120	118	134	153	133	133
16	139	130	139	140	133	116	108	126
17	95	96	94	92	94	80	66	84
18	95	112	114	105	114	108	93	101
19	70	72	68	71	79	68	73	71
20	75	82	90	95	77	82	78	83
21	97	107	98	96	98	91	85	93
22	124	140	136	176	122	159	130	145
1922-23	72	72	76	85	71	84	73	78
24	47	48	54	48	54	46	59	51
25	55	61	63	65	54	54	53	57
26	90	119	109	116	97	114	104	107
27	109	127	123	108	105	110	114	112
28	82	70	74	62	63	61	62	66
29	76	73	78	68	75	69	64	70
30	73	77	78	75	73	77	92	79
31	81	92	80	77	92	103	114	94
32	110	123	111	117	110	128	145	125
1932-33	74	77	68	66	75	81	75	74
34	80	95	99	74	92	64	44	70
35	133	123	123	124	119	133	153	134
36	77	79	77	72	87	73	49	69
37	144	144	145	142	149	147	140	144
38	143	150	146	158	154	151	147	150
39	124	119	100	103	115	123	139	121
40	93	98	79	75	100	78	78	82
41	222	237	202	187	228	231	230	219
42	83	78	70	72	80	82	90	81
1942-43	120	150	146	157	141	152	164	150
44	127	141	115	136	137	160	227	161
45	91	89	90	95	88	86	97	92
46	81	82	80	83	82	101	90	90
47	32	87	87	100	85	95	94	94
48	45	46	53	52	49	51	62	53
49	57	50	61	58	54	55	67	59
50	69	68	74	64	74	74	55	66
51	54	54	51	43	50	37	36	43
52	164	189	158	153	188	176	184	172
1952-53	68	69	63	55	70	60	68	62
80 YEAR NORMAL RAINFALL	14.31	17.05	19.12	27.14	19.74	15.49	7.63	16.25
1951-52 RAINFALL	23.47	32.22	30.21	41.52	37.11	27.26	14.04	27.95
1952-53 RAINFALL	9.73	11.76	12.05	14.33	13.82	9.29	5.19	10.08
AREA IN SQUARE MILES	597	272	303	748	224	855	953	3952

NOTE: * INDICATES WEIGHTED AVERAGE INDEX OF AREAS



- LEGEND**
- Flood Control Standard Gages.
 - Flood Control Automatic Gages.
 - ▲ Standard Gages (Other than F.C. Dist.).
 - ◆ Automatic Gages (Other than F.C. Dist.).
 - 210B Capital Letters (A,B,etc.) Following a Station Number Denote Successive Locations of a Gage in a Locality
 - 250b Lower Case Letters (a,b,etc.) Following a Station Number Denote Several Gages Operated by a Single Observer
 - *E* At a Station Denotes An Evaporation Pan



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

SEASON 1951-52

APPROVED BY: *[Signature]*
CHIEF ENGINEER

SUBMITTED BY: *[Signature]* DATE: 3-27-53
CHIEF HYDRAULIC DIVISION ASST. CHIEF ENGINEER

COMPILED BY R.H. CHECKED BY R.H. DRAWN BY R.H.

2-H107

MAP I



LEGEND

- Flood Control Standard Gages
- Flood Control 8.8" Diameter Gages
- Flood Control Storage Type Gages
- ▲ Flood Control Automatic Gages
- ◆ Standard Gages (other than F.C. Dist.)
- ◆ Automatic Gages (other than F.C. Dist.)
- 210B Capital Letters (A,B,etc.) Following a Station Number Denote Successive Locations of Gage in a Locality.
- *E* At a Station Denotes An Evaporation Pan

SCALE
1" = 1 MILE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

LOCATION OF ACTIVE RAINGAGES AND ISOHYETAL MAP

SEASON 1952 - 53

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

SUBMITTED BY: *...* DATE: 10-26-53

COMPILED BY: *...* CHECKED BY: *...* DRAWN BY: *...*

2-H 109

MAP II



○ ACTIVE RAIN GAGE STATIONS
 ● INACTIVE RAIN GAGE STATIONS
 — 26" LINES OF EQUAL RAINFALL IN INCHES DEPTH
 - - 27" LINES OF EQUAL RAINFALL IN INCHES DEPTH - ESTIMATED

SCALE
 1" = 1 MILE

**LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT**

ISOHYETAL MAP
 SHOWING
 80 YEAR NORMAL (1872-1952)
 SEASONAL PRECIPITATION
 FOR
 LOS ANGELES COUNTY

APPROVED BY *[Signature]* CHIEF ENGINEER

SUBMITTED BY *[Signature]* DATE 2-H 108

DESIGNED BY *[Signature]* ASSIST. CHIEF ENGINEER

DRAWN BY P.A.H. CHECKED BY W.J.W. INKED BY E.P.R.

MAP III

EVAPORATION RECORDS

EVAPORATION

FOREWORD

This report contains monthly and seasonal data for all active stations reporting to the District during 1951-52 and 1952-53 seasons. Past records of active stations are available in the District's files and are also published in this report. Past records of inactive stations are available in the District's files.

SUMMARY OF SEASONAL EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at District stations for the seasons 1951-52 and 1952-53:

	1951-52	1952-53
Maximum Seasonal Amt. - Fairmont	98.10	99.12
Maximum Monthly Amt. - Fairmont	16.16 in July	17.84 in July
Minimum Seasonal Amt. - La Fresa - S.C.E. Co.	39.24	41.48
Minimum Monthly Amt. - Opid's (Camp Hi Hill)	0.00*	0.07**

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

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

Table X, page 48, presents monthly and seasonal evaporation data for all active stations during the seasons 1951-52 and 1952-53.

Table XI, page 49, presents monthly and seasonal evaporation data for all stations since beginning of record.

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

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

LOCATION AND NUMBER OF STATIONS

The District received records from 24 evaporation stations, 33 evaporation pans in 1951-52, and 23 evaporation stations, 32 evaporation pans in 1952-53, of which the District maintained 27 evaporation pans in 1951-52 and 26 evaporation pans in 1952-53. Nineteen evaporation pans were on or near reservoirs; the remaining pans were distributed throughout the District for the 1951-52 and 1952-53 seasons.

* Water surface of pan frozen for entire month of January.

** Water surface of pan frozen for 25 days in December.

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

LENGTH OF RECORD

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

The District has records from 20 stations with records from 18 to 24 years in length.

EQUIPMENT

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

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

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

The lake pans in use at San Gabriel Reservoir and Cogswell Reservoir are 30 inches square and 18 inches deep with a six-inch wave baffle to prevent water from splashing into the pan. The pan is floated on suitable rigging and is submerged to make the reservoir surface and water level in the pan and the water temperatures practically identical. San Gabriel Dam is also equipped with an additional lake pan 36 inches square by 18 inches deep for comparative purposes.

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

Location	Type of Pan
Encino Reservoir	F.C. District Land Pan
Encino Reservoir	U.S.W.B. Type A Land Pan
Encino Reservoir	30-inch Square Lake Pan
Lower San Fernando Reservoir	U.S.W.B. Type A Land Pan
Fairmont	36-inch Square Land Pan

* Change in setting was not made at all stations on the same date. The approximate date of change is designated in Table XI by 'A'.

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

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

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

CONVERSION FACTORS

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

Coefficient	Date	
	From	To
0.72	1929	'A' as shown in Table XI
0.81	'A'	October 1, 1946
1.00 ^{1/}	October 1, 1946	Date

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

^{1/} This applies only to seasonal totals.

TABLE X
EVAPORATION RECORDS IN INCHES
SEASONS 1951-52, 1952-53

1951-52														SEAS. TOTAL	
STA. NO.	STATION	TYPE GAGE	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	
23	CHATSWORTH RESERVOIR	L-24S	5.18	3.60	2.42	1.86	3.12	2.77	2.75	5.52	5.45	7.55	7.30	6.45	53.97
32C	NEWHALL	L-24S	5.43	3.04	1.77	1.74	2.43	2.58	3.18	5.84	5.70	7.49	7.90	6.88	53.98
33A	PACOMA DAM	L-24S	8.62	6.89	4.26	3.48**	4.88	3.44	4.08	6.15	5.12	8.58	8.68	10.14	74.29**
46D	BIG TUJUNGA DAM NO. 1	L-24S	9.18	5.08	3.14	2.27	4.34	3.09	4.92	9.12	9.28	12.60	12.68	11.12	85.02
57B	OPID'S (CAMP HI HILL)	L-24S	3.66	0.90#	#	#	0.30#	0.25#	2.39	9.58	5.82	8.06	9.32	5.28	45.56#
63B	BIG SANTA ANITA DAM	L-24S	5.18	3.44	2.42	2.18	3.50	2.52	2.25	4.30	3.68	5.46	5.54	5.82	46.29
89	SAN DIMAS DAM	L-24S	4.98	2.48	1.42	1.15	2.06	2.12	2.58	5.88	5.67	8.10	8.12	6.56	51.12
96	PUDDINGSTONE DAM	L-24S	5.02	3.36	2.29	1.84	2.72	2.56	2.66	4.85	5.02	6.72	7.02	6.72	50.80
223B	BIG DALTON DAM	L-24S	4.83	2.31	1.46	1.08	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	46.93
261B	ACTON - ESCONDIDO CANYON	L-24S	9.38	6.30	3.10	2.57	4.30	2.98	4.38	8.92	9.08	12.18	12.46	10.66	86.31
265C	PUNTE HILLS - WEISEL RANCH	L-24S	2.33	INC.	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	INC.
292D	ENCINO RESERVOIR - F.C.	L-24S	6.70	3.64	1.78	1.82	2.87	3.01	3.92	7.50	6.50	8.94	9.40	8.48	64.56
292B	ENCINO RESERVOIR - U.S.W.B.	L-A48	7.50	5.13	2.20	2.16	4.02	4.51	4.87	8.30	7.22	10.87	10.61	8.69	76.28
292B	ENCINO RESERVOIR - LAKE	F-30	6.49	4.27	2.26	1.47	3.29	4.97	4.31	7.23	6.86	8.51	9.55	7.20	66.41
293	LOWER SAN FERNANDO RESERVOIR	L-A48	8.88	5.21	4.43	3.71	5.16	5.10	6.05	7.64	7.25	10.50	9.67	9.77	83.37
321	PINE CANYON PATROL STATION	L-24S	7.42	3.99	2.34	2.46	3.25	3.17	5.04	9.33	9.06	11.54	11.28	9.08	77.66
334	COGSWELL DAM	L-24S	6.09	2.88	1.45	1.95	2.46	2.34	3.77	7.10	7.64	10.13	10.30	8.26	64.37
334	COGSWELL DAM	F-30	INC.	NR	NR	1.71	2.60	2.27	4.31	7.45	7.42	9.63	10.24	8.51	INC.
347	BALDWIN PARK EXPERIMENTAL STATION	L-A48	5.05	2.83	1.72	1.12	3.20	2.53	3.61	7.08	6.46**	8.83	8.21	6.78	57.42**
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	4.18	2.22	1.27	.81	2.47	1.68	2.09	5.50	5.65	7.44	7.02	5.48	45.81
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	4.22	2.26	1.00	.68	2.14	1.88	2.10	5.16	5.66	7.13	7.11	5.80	45.14
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.83	2.70	1.32	.78	2.63	2.24	2.83	5.72	6.83	8.59	8.23	6.60	53.30
390	MORRIS DAM	L-72	5.56	3.11	1.73	1.30	2.42	2.36	3.22	6.37	6.24	8.68	8.63	7.02	56.64
425B	SAN GABRIEL DAM	L-24S	6.51	3.84	1.95	1.64	2.95	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.55
425B	SAN GABRIEL DAM	F-30	NR	NR	NR	NR	NR	NR	INC.	6.26	6.72	9.02	9.32	8.02	INC.
425B	SAN GABRIEL DAM	F-36	NR	NR	NR	NR	NR	NR	INC.	6.42	7.26	9.27	9.94	8.56	INC.
425B	SAN GABRIEL DAM	L-24	8.84	5.10	2.68	2.25	3.92	3.42	4.63	8.73	8.68	11.94	11.80	11.43	83.42
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24S	7.21	4.28	3.18	1.66	2.98	3.58	5.76	9.59	10.09	12.82	14.48	9.94	85.57
46B	PICKENS DEBRIS BASIN	L-24S	5.28	3.34*	2.04	1.15	2.34	2.10**	2.42	4.79	4.77	6.12	4.95	6.57	45.87**
542	FAIRMONT	L-36	7.96	3.92	1.70	2.19	3.17	4.86	6.74	12.60	12.01	16.16	15.73	11.06	98.10
1008	LA FRESA - S.C.E.CO.	L-24S	3.51	2.16	1.63	1.38	1.97	2.45	2.72	4.56**	4.89**	5.03**	4.96	3.98	39.24**
1014B	RIO HONDO SPREADING GROUNDS	L-24S	3.51*	2.16*	1.48	1.33	2.38	1.69	1.92	4.85	4.50	6.23**	6.08	4.85	40.98**
1037	ARCADIA - ARBORETUM	L-24S	4.22*	1.96	1.14	.92	1.62	1.78	1.74	4.69	4.92	5.70	6.04	5.54	40.27**

1952-53														SEAS. TOTAL	
23	CHATSWORTH RESERVOIR	L-24S	3.78	2.98	1.96	2.70	4.94	3.75	3.50	6.04	5.22	7.78	6.92	5.52	55.09
32C	NEWHALL	L-24S	5.13	2.54**	1.84**	1.79	3.48	4.00	4.11	5.65	4.93	8.72	7.34	5.50	55.39**
33A	PACOMA DAM	L-24S	7.48	5.12	4.14	5.17	6.94	5.51	3.96	6.76	5.30	8.48	9.12	7.90	75.88
46D	BIG TUJUNGA DAM NO. 1	L-24S	10.10	4.80**	3.20	4.36	5.97	5.38	5.33	7.63	8.62	12.02	12.42	11.00	90.83**
57B	OPID'S (CAMP HI HILL)	L-24S	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04#**
63B	BIG SANTA ANITA DAM	L-24S	4.28	3.08**	2.55**	3.52	4.46**	3.46**	2.64	4.72	3.94	6.02	5.60	4.79	49.07**
89	SAN DIMAS DAM	L-24S	4.78	2.11**	1.28	1.48	2.89	3.04	2.98	5.46	5.59	8.27	8.06	6.43	52.37**
96B	PUDDINGSTONE DAM	L-24S	4.59	3.66**	2.52	2.54	4.40	3.40	3.30	5.74	5.20	7.47	6.96	5.90	55.68**
223B	BIG DALTON DAM	L-24S	4.64	2.98	1.17**	1.50**	3.27	2.81	2.70	4.58	4.62	7.05	6.77	5.43	46.62
261B	ACTON - ESCONDIDO CANYON	L-24S	8.52	4.75**	3.26**	3.95**	4.14**	4.48	5.13	7.48	8.88	13.40	12.53	10.22	85.74**
292B	ENCINO RESERVOIR	L-24S	5.10	2.72**	1.67**	2.35**	3.74	4.30	4.44	7.31	6.64	9.74	8.90	6.84	63.75**
292B	ENCINO RESERVOIR	L-A48	5.72**	3.18*	2.13	2.69	4.87	5.36	4.93	8.75	7.77*	11.37	9.91	7.91	74.59**
292B	ENCINO RESERVOIR	F-30	5.31**	2.72*	2.16	2.33	4.18	4.08	4.75	6.51	6.64*	8.74	8.93	7.43	63.78**
293	LOWER SAN FERNANDO RESERVOIR	L-A48	5.87	4.99	4.68	6.69	8.45	6.21	5.21	9.40	8.00	11.44	9.81	8.69	89.44
321	PINE CANYON PATROL STATION	L-24S	7.50	5.18	3.43**	3.42	5.45	5.17	5.72	5.87	8.80*	11.80	10.36	8.44	81.14**
334B	COGSWELL DAM	L-24S	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10.78	10.68	8.61	69.33**
334B	COGSWELL DAM	F-30	7.79	3.52**	2.06**	2.03**	3.44**	4.09**	4.72**	6.68	NR	NR	NR	NR	INC.
347	BALDWIN PARK EXPERIMENTAL STATION	L-A48	4.15	2.51**	1.66**	2.57**	3.65**	4.49**	4.67**	7.45	6.35	9.21	7.59	6.15	60.47**
347	BALDWIN PARK EXPERIMENTAL STATION	L-72	3.77	1.90**	1.03**	1.16**	2.49**	3.31**	3.89**	6.57	5.27	7.51	6.54	5.32	48.76**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24S	3.78	1.83**	1.06**	1.05**	2.43**	2.63**	3.40	6.00	5.27	7.24	6.84	5.38	46.91**
347	BALDWIN PARK EXPERIMENTAL STATION	L-24	4.17	2.19**	1.23**	1.38**	2.87**	3.02**	4.15**	6.94	5.89	8.69	7.44	5.89	53.86**
390B	MORRIS DAM	L-72	5.11	2.39	1.58	2.16	3.36	3.64	3.82	6.20	6.26	8.82	8.38	6.92	58.64
425B	SAN GABRIEL DAM	L-24S	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.28	9.04	7.63	66.83**
425B	SAN GABRIEL DAM	F-30	7.52	INC.	NR	INC.	4.00	4.30	4.32**	6.96	6.72	9.57	10.54	5.42	INC.
425B	SAN GABRIEL DAM	F-36	8.06	INC.	NR	INC.	4.34	4.64	4.54	7.54	7.22	10.31	10.56	5.75	INC.
425B	SAN GABRIEL DAM	L-24	9.22	4.39**	2.55**	3.48**	5.66	5.50	5.26**	8.54**	8.16	11.40	11.38	9.82	85.36**
441	PALMDALE - CO. ROAD MAINTENANCE YARD	L-24S	7.00	3.68	2.31	2.88	4.98	6.45	7.02	9.14	11.42	16.55	14.08	11.82	97.33
46B	PICKENS DEBRIS BASIN	L-24S	3.20	2.47	1.58	1.66*	3.23*	3.40**	3.33*	6.11*	6.26**	8.29	7.62	6.14	53.29**
542	FAIRMONT	L-36	8.81	3.23	1.53	2.69	3.88	5.61	7.74	8.98	12.48	17.94	14.92	11.41	99.12
1008	LA FRESA - S.C.E.CO.	L-24S	2.90	2.02	1.24	1.51**	2.66	3.00**	3.38*	6.14**	4.62	5.80	4.70	3.32	41.48
1014C	RIO HONDO SPREADING GROUNDS	L-24S	3.10	1.98	1.22	1.16	2.55	2.90	3.38**	6.56	5.31	7.24	6.08	4.34	45.82**
1037	ARCADIA - ARBORETUM	L-24S	3.52	1.68**	1.14**	1.14**	1.68**	2.15**	3.76**	5.34	4.70	6.78	6.11	5.11	43.11**

LEGEND

- L-24 LAND PAN 24" IN DIAMETER
- L-24S LAND PAN 24" IN DIAMETER SCREENED
- L-36 LAND PAN 36" SQUARE - USGS TYPE
- L-A48 LAND PAN 48" IN DIAMETER - USWB TYPE A
- L-72 LAND PAN 72" IN DIAMETER
- F-30 FLOATING PAN 30" SQUARE
- F-36 FLOATING PAN 36" SQUARE - USGS TYPE
- * ESTIMATED
- ** PARTLY ESTIMATED
- # RECORDS INCOMPLETE - PARTLY FROZEN
- INC. INCOMPLETE RECORD
- N.R. NO RECORD
- N.I. NOT INSTALLED

TABLE XI
EVAPORATION RECORDS IN INCHES
MONTHLY AND YEARLY SUMMARY
FOR PERIOD OF RECORD

MONTHLY EVAPORATION AT VAN NUYS CITY WAREHOUSE													
STATION #15													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	3.22	2.80	1.94	2.15	1.93	4.47	3.98	4.38	5.32	6.76	4.74	3.31	44.60
1931-32	2.34	1.99	1.30	1.50	1.18	3.21	3.62	3.76	4.50	4.68	4.20	2.32	34.6C
1932-33	2.23	2.53	1.12	.88	2.08	2.89	2.34	3.99	3.82	4.19	3.26	2.28	31.61
1933-34	2.07	2.04	1.34	1.71	1.51	3.05	3.79	3.91	2.52	4.46	4.15	3.53	34.08
1934-35	2.44	1.71	1.34	1.23	1.53	2.41	3.69	4.33	4.71	5.87	5.75	4.12	39.13
1935-36	2.56	1.04	1.34	1.57	.90	2.86	3.70	4.93	5.09	5.42	4.84	3.45	37.70
1936-37	2.06	1.92	1.24	1.00	.91	2.13	3.88	3.15	4.07	5.44	4.35	3.16	33.31
1937-38	2.04	.90	1.17	1.43	1.07	2.01	2.66	3.89	3.35	4.73	4.11	3.34	30.70
1938-39	1.92	2.32	1.43	1.28	1.61	1.88	2.69	3.13	4.05	4.74	3.87	3.78	32.70
1939-40	2.11	1.26	1.30	.87	1.34	2.09	2.54	3.54	3.55	5.27	4.12	3.04	31.03
1940-41	2.31	1.73	1.20	.87	.87	1.71	2.80	4.56	4.08	4.87	3.74	2.92	31.66
1941-42	2.05	1.57	.98	1.12	1.44	3.06	3.19	5.24	5.47	7.63	6.93	4.00	42.68
1942-43	2.72	1.64	1.21	1.25	1.32	1.78	3.30	5.54	5.67	6.65	6.47	5.18	42.64
1943-44	2.51	1.68	.82	.93	1.00	3.39	4.41	4.30	5.27	5.79	6.94	4.14	41.18
1944-45	2.24	1.08	1.00	1.05	1.46	1.96	4.76	5.17	4.18	6.54	6.10	4.70	40.24
1945-46	2.23	1.61	1.03	1.77	1.37	2.85	3.73	3.93	6.19	7.12	6.77	4.83	43.36
1946-47	3.15	1.32	.86	1.63	1.07	2.70	4.06	4.85	4.91	7.67	6.65	4.64	43.81
1947-48	2.34	1.91	1.36	1.37	1.84	2.50	4.23	5.33	5.22	7.10	DISCONTINUED	INC.	INC.

MONTHLY EVAPORATION AT CHATSWORTH RESERVOIR													
STATION #23													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	7.48	5.24	3.69	4.10	3.30	5.90	7.24	7.62	8.41	10.10	10.35	7.36	80.79
1932-33	7.66	7.60	4.31	4.69	5.42	6.60	5.70	8.06	8.30	10.02	9.52	6.92	84.80
1933-34	6.89	8.12	2.50	5.46	2.56	5.32	7.92	9.40	6.68	10.42	9.58	8.68	83.3
1934-35	6.42	3.84	3.73	3.13	4.32	2.84	3.67	4.90	7.02	10.20	9.85	8.42	68.39
1935-36	7.68	4.86	4.58	4.98	2.16	4.74	5.14	8.42	9.54	10.62	10.17	8.46	81.35
1936-37	6.10	6.70	3.46	2.62	2.44	4.28	6.12	5.46	6.98	10.08	9.75	8.88	73.07
1937-38	6.42	3.78	5.26	5.87	2.62	4.54	5.78	7.68	7.94	9.60	9.72	8.96	78.17
1938-39	6.64	7.48	4.20	3.46	3.83	3.18	5.04	7.32	8.90	10.22	9.94A	8.38	78.59
1939-40	7.47	3.64	3.42	1.96	2.67	3.70	4.62	7.59	8.20	11.35	10.12	7.68	72.44
1940-41	6.22	5.73	3.08	1.76	1.62	2.90	3.46	7.25	6.92	8.92	7.53	6.75	62.14
1941-42	5.34	4.38	2.48	3.28	3.20	5.16	3.48	6.34	7.75	10.54	9.08	6.96	67.99
1942-43	5.70	4.96	3.39	3.72	4.04	2.54	3.92	6.70	7.78	9.15	9.05	7.52	68.47
1943-44	5.54	5.85	2.72	3.92	2.41	5.50	5.02	5.22	6.08	7.98	9.76	7.15	66.85
1944-45	5.18	3.48	3.46	3.05	2.84	3.08	5.72	6.68	6.18	9.25	9.82	7.56	66.30
1945-46	4.86	4.36	2.34	4.29	2.65	3.40	3.63	4.35	7.65	8.95	8.78	7.58	63.44
1946-47	5.10	2.90	1.74	2.86	1.55	3.14	4.82	5.30	5.90	9.30	8.10	6.75	57.35
1947-48	4.39	4.58	3.52	4.35	3.28	3.73	4.30	6.08	6.10	8.00	7.70	7.48	63.51
1948-49	4.48	5.88	2.16	2.72	1.98	2.70	4.95	5.54	7.33	7.72	8.25	7.43	61.14
1949-50	5.52	4.21	3.06	1.78	1.56	3.35	4.78	5.48	6.60	8.10	7.93	5.08	57.45
1950-51	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.55	7.22	5.95	57.29
1951-52	5.18	3.60	2.42	1.86	3.12	2.77	2.75	5.52	5.45	7.55	7.30	6.45	53.97
1952-53	3.78	2.98	1.96	2.70	4.94	3.75	3.50	6.04	5.22	7.76	6.92	5.52	55.09

NOTE: 'A' AUGUST, 1939, SEE LEGEND

MONTHLY EVAPORATION AT NEWHALL													
STATION #32													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.30	4.14	2.82	3.52	2.49	5.29	7.11	6.30	9.01	11.42	10.30	8.28	76.98
1932-33	7.16	6.32	3.84	2.30**	3.48	4.12	5.40	7.46	8.14	10.38	10.32	7.27	76.19
1933-34	6.36	5.74	2.30	3.60	2.44	5.34	6.63	8.36	5.90	9.84	9.60	8.38	74.49
1934-35	6.24	3.93	3.16	2.58	3.98	3.75	4.70	6.83	8.90	9.70	9.48	8.08	71.33
1935-36	7.00	4.03	3.76	3.70	2.63	4.90	4.95	8.56	9.37	10.14	10.26	8.46	77.76
1936-37	6.10	5.71	3.23	2.00	2.14	3.36	6.32	5.84	7.52	8.54	9.60	8.38	68.74
1937-38	6.80	3.88	3.52	3.54	1.75	3.58	5.16	6.99	6.56	9.32	9.18	8.18	68.46
1938-39	6.54	6.30	4.18	3.27	3.62	4.28	6.27	7.48	7.96	9.32A	9.57	8.40	77.19
1939-40	6.50	4.67	3.58	2.58	2.45	4.10	4.48	6.74	8.22	9.80	8.68	8.35	70.15
1940-41	6.90	5.24	2.62	1.28	1.20	2.65	3.62	6.72	6.79	8.30	7.22	6.52	59.06
1941-42	4.84	4.05	3.08	3.72	3.55	5.20	5.01	6.32	5.65	8.30	7.92	7.14	64.98
1942-43	4.72	4.78	3.45	2.79	2.86	2.86	3.56	5.84	6.36	7.06	7.97	7.74	59.99
1943-44	6.12	5.44	2.59	3.40	2.02	5.03	5.21	5.70	6.34	8.47	9.71	7.09	67.14
1944-45	5.44	3.40	3.57	2.82	2.68	2.36	5.32	7.02	6.87	9.88	9.40	7.92	66.68
1945-46	5.81	4.54	2.82	4.16	2.78	3.78	4.99	5.41	8.76	9.25	9.55	8.00	69.85
1946-47	4.27	2.22	1.20	1.90	2.15	2.65	3.58	5.08	6.12	8.82	7.45	6.1A	51.58
1947-48	4.04	2.78	1.86	2.65	2.46	2.66	3.90	5.98	6.14	8.02	7.69	6.7	54.95
1948-49	3.60	3.17	1.41	1.38	1.34	2.20**	4.10	4.54	6.74	7.92	7.54	5.96	49.90**
1949-50	4.50	2.81	1.76	1.51	1.88	3.43	4.76	5.52	6.82	8.40	8.17	5.08	54.64
1950-51	4.31	3.35	2.26	1.66	2.02	3.60	3.78	5.41**	6.69	8.24**	7.82	6.23**	55.37**
1951-52	5.43	3.04	1.77	1.74	2.43	2.58	3.18	5.84	5.70	7.49	7.90	6.88	53.98
1952-53	5.13	2.54**	1.84**	1.79	3.48	4.00	4.11	5.65	4.93	8.72	7.34	5.50	55.39

NOTE: 'A' JULY, 1939, SEE LEGEND

TABLE XI													
MONTHLY EVAPORATION AT PACOIMA DAM													
STATION #33													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.04	7.83	71.22
1932-33	7.29	7.81	3.36	3.42	4.32	5.64	4.94	5.72	6.21	9.12	8.10	6.74	72.67
1933-34	6.90	7.28	3.46	4.82	2.79	4.99	6.02	6.27	3.68	7.70	7.26	7.69	68.66
1934-35	6.20	3.74	3.33	2.28	3.12	2.78	3.16	3.80	4.72	6.78	7.42	6.66	53.99
1935-36	5.81	4.29	3.61	3.34	1.93	4.22	4.53	5.51	5.52	6.70	7.11	7.98	60.55
1936-37	5.56	5.65	3.08	74#	1.94	3.82	5.40	3.92	4.85	7.17	8.58	6.99A	55.70
1937-38	5.59	3.26	3.04	3.18	1.84	3.22	4.22	3.96	3.92	6.09	6.70	7.48	52.50
1938-39	6.75	5.90**	5.74	4.67	4.23	4.27	6.22	6.33	8.12	8.88	8.06	7.76	76.93**
1939-40	8.75	6.84	6.18	2.96	3.41	4.87	4.68	6.38	6.69	10.16	7.40	6.93	75.25
1940-41	7.12	7.00	4.58	2.80	2.36	3.93	3.79	7.15**	5.65	8.64	6.64	6.08	65.74**
1941-42	5.74	6.41	3.39	4.74	4.16	5.86	2.96	5.96	6.72	8.19	6.82	6.40	67.35
1942-43	5.49	5.78	4.51	4.73	4.07	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.32	3.42	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.37	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.54	7.56	8.30	54.11
1945-46	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.16
1946-47	6.87	4.34	4.33	5.58	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49
1947-48	5.86	5.94	5.06	6.52	4.69	4.96	4.60	5.92	5.08	8.62	8.70	9.46	75.41
1948-49	6.12	8.70	4.18	3.66	3.22	3.36	5.21	5.10	6.33	6.96	8.51	8.97	70.32
1949-50	7.21	7.76	5.69	3.44	3.59	5.18	5.40	5.24	6.63	7.92	8.62	5.84	72.62
1950-51	7.49	8.06	6.51	4.36	4.02	6.22	3.73	5.86	6.01	7.98	8.06	7.52	75.82
1951-52	8.62	6.86	4.26	3.48**	4.88	3.44	4.08	6.15	5.12	8.58	8.68	10.14	74.29**
1952-53	7.48	5.12	4.14	5.17	6.94	5.51	3.96	6.76	5.30	8.48	9.12	7.90	75.88

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

MONTHLY EVAPORATION AT BIG TUJUNGA DAM													
STATION #46B													
below Dam in Canyon													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.00	3.30	.52	4.48	.68	5.42	5.95	6.22	8.22	10.60	9.98	8.68	65.85
1932-33	7.08	6.40	2.68	2.12	3.90	5.38	4.94	5.85	8.48	10.85	9.32	7.88	74.87
1933-34	6.78	5.22	1.80	3.12	2.40	5.20	6.45	7.58	6.08	9.28	8.72	6.94	69.56
1934-35	5.32	2.83	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.16	3.88	1.65	.58	1.28	2.65	4.50	5.20	7.22	9.18	9.02	8.32	58.66
1937-38	5.92	3.42A	2.82	2.52	1.52	2.08	3.66	5.44	7.15	9.18	9.22	8.03	60.98
1938-39	5.96	5.56	2.88	2.07	2.51	3.00	4.80	5.92	8.92	9.68	9.86	6.70	67.85
1939-40	4.88	3.88	2.58	1.70	1.92	3.33	4.01	6.12	8.82	10.78	10.15	7.58	65.73
1940-41	6.06	3.86	1.91	1.47	1.08	2.24	2.52	6.72	9.38	10.25	10.55	9.80	63.85

STATION #46CD													
at Dam Crest													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1941-42	6.86	6.92	2.76	4.20	4.30	6.69	4.08	8.02	9.42	15.08	13.82	12.12	94.27
1942-43	8.48	6.68	5.06	4.44	4.29	3.61	5.98	9.38	10.58	13.05	12.92	13.12	97.59
1943-44	9.35	6.78	2.20	3.61	2.13	5.32	5.42	6.28	6.94	10.98	12.29	8.88	80.18
1944-45	7.05	3.30	3.92	3.54	3.09	3.32	6.75	7.45	7.55	11.30	12.36	11.48	81.11
1945-46	7.88	5.68	3.50	6.40	4.44	4.56	6.54	7.00	12.30	13.75	14.78	13.15	99.98
1946-47	6.17	3.52	3.16	5.05	3.41	3.96*	5.88	7.52	8.12	14.11	11.12	9.67	81.96**
1947-48	7.48	6.20	4.13	5.70	3.65	3.98	4.88	6.98	7.50	12.27	12.65	11.50	86.93
1948-49	7.68	7.48	3.24	2.60	2.44	3.14	6.68	7.21	9.70	11.25	12.45	11.97	85.84
1949-50	7.35	3.42	4.02	2.57	3.82	5.58	6.44	7.40	8.92	11.62	13.15	8.66	82.95
1950-51	8.84	6.80	5.78	3.80	4.00	6.36	5.19	8.06	9.50	12.08	12.40	12.55	95.36
1951-52	9.18	5.08	3.14	2.27	4.34	3.09	4.92	3.12	8.28	12.60	12.68	11.12	85.82
1952-53	10.10	4.80**	3.20	4.36	5.97	5.38	5.33	7.63	8.62	12.02	12.42	11.00	90.83**

NOTE: 'A' NOVEMBER, 1937. SEE LEGEND

MONTHLY EVAPORATION AT OPID'S CAMP													
STATION #57													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	2.14	1.38#	1.78#	FROZ	FROZ	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17 #
1932-33	3.06	2.02	2.68#	FROZ	FROZ	.01#	2.46	3.46	4.96	6.92	6.72	5.10	34.97 #
1933-34	2.98	8.55	1.08#	2.05#	2.70#	.92	3.81	5.25	5.22	6.84	6.50	2.24	47.18 #
1934-35	1.71	1.20	2.48#	.02#	.12#	.28#	1.82	2.62	4.48	5.58	5.32	4.20	27.59 #
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.66#	5.48	6.05	8.05	7.31	6.20	48.15 #
1936-37	3.89	2.29	.66#	FROZ	FROZ	1.32	2.95	6.04	8.34	10.66	11.21	7.91	55.27 #
1937-38	4.94	1.90	1.30#	.98#	.28#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26 #
1938-39	2.25	1.84	.94	.24 #	FROZ	.78#	4.28	5.74	7.68	8.00	8.04A	3.84	43.63 #
1939-40	2.29	1.12	.60#	.15#	.26#	1.62#	2.54	5.13	6.82	8.40	8.09	4.43	41.46 #
1940-41	2.55	1.10	.30#	.04#	.09#	.79#	1.96	5.42	5.86	7.40	5.96	3.98	35.44 #
1941-42	3.21	2.90#	.12#	.34#	.24#	1.38	.78	4.79	6.80	8.56	6.78	5.86	38.95 #
1942-43	2.22	.57	.40	.14#	.12#	.86	2.40	5.28	6.20	8.22	7.93	6.02**	40.36 # **
1943-44	3.08	1.68	.76#	.22#	.03#	1.52#	3.44	5.27	5.07	6.72	7.81	5.77	40.87 # **
1944-45	2.87	.42	.42#	.06#	.40#	.32#	4.18	5.34	6.34	9.10	7.65	6.20**	43.30 # **
1945-46	2.61	.82#	.42#	.32#	.18#	.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.19 # **
1946-47	1.96	.40	.65#	.04#	.32#	1.20**	2.72	N.R.	N.R.	N.R.	N.R.	5.02	INC.
1947-48	2.42	1.18	.57#	.78#	.14#	.63	2.02	4.17	4.96	7.34	7.68	5.94	37.83#
1948-49	2.57	2.10	.34#	FROZ	FROZ	.85#	3.94	4.42	5.92	7.71	7.43	6.78	42.06#
1949-50	3.57	1.66	.20#	FROZ	.46#	2.12	3.84	5.44	7.38	8.38	9.09	5.28	47.42 #
1950-51	3.26	1.50	1.02	.30#	.33#	1.53#	2.37	5.14	6.88	8.63	8.78	6.90	46.64#
1951-52	3.66	.90#	#	#	.30#	.25#	2.39	9.58	5.82	8.06	9.32	5.28	45.56#
1952-53	3.64	.56#	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04# **

NOTE: 'A' AUGUST, 1939. SEE LEGEND

TABLE XI
MONTHLY EVAPORATION AT DIG SANTA ANITA DAM
STATION #63

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	3.40	8.48	6.28	62.08**
1930-31	6.98	6.29	5.99	3.56	2.45	5.95	4.82	4.56	6.10	7.82	6.98	6.88	68.38
1931-32	5.18	3.86	2.68	3.04	2.38	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.84
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.58	4.28	2.35	4.78	4.82	6.97	7.36	8.36	6.32	7.74	71.25
1936-37	6.09	6.54	3.94	1.99	2.38	4.04	5.26	4.66	5.24	7.90	8.08	7.55A	63.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.47	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.25	52.47
1939-40	5.87	4.74	4.04	2.06	2.48	3.72	3.31	5.00	5.06	7.68	6.34	6.06	56.36
1940-41	5.31	4.74	3.47	2.38	1.66	3.26	2.78	5.01	4.32	6.28	5.38	5.30	49.89
1941-42	4.62	5.20	2.40	3.10	2.85	4.22	2.28	3.94	3.42	6.33	5.22	5.46	49.04
1942-43	4.58	4.19	3.70	3.67	2.70	1.88	2.68	4.94	5.26	6.38	6.48	6.30	52.76
1943-44	4.77	4.92	2.17	2.61	1.77	3.42	3.70	3.67	3.37	5.48	6.92	5.02	47.82
1944-45	3.82	2.50	3.50	3.46	2.02	2.04	3.67	3.94	2.58	5.10	6.25	5.30	44.18
1945-46	3.56	4.42	3.06	4.24	3.15	3.08	3.30	2.50	5.92	6.08	5.80	5.38	50.58
1946-47	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.68	3.40	7.84	6.28	5.16	47.72
1947-48	3.88	4.20	3.50	4.78	3.29	2.94	3.11	3.76	3.39	5.76	5.30	5.14	49.05
1948-49	3.63	4.48	2.70	2.00A	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39A
1949-50	4.86	6.09	4.00	2.24	2.42	3.11	3.29	2.80	4.12	5.34	5.90	3.83	48.00
1950-51	5.52	4.66	4.71	2.92	3.02	4.24	2.24	3.27	3.66	5.04	5.02	4.54	48.84
1951-52	5.18	3.44	2.42	2.18	3.50	2.52	2.25	4.30	3.68	5.46	5.54	5.82	46.29
1952-53	4.28	3.08**	2.56**	3.52	4.46**	3.46**	2.64	4.72	3.94	6.02	5.60	4.79	49.07**

NOTE: 'A' SEPTEMBER, 1937, SEE LEGEND

MONTHLY EVAPORATION AT SAN DIMAS DAM
STATION #89

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1934-35	7.28	2.98	1.68	.64	.58	.65	.64	1.25	2.78	3.02	4.87	5.39	31.76
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1.54	.34B	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72A	46.68 B
1937-38	6.64	2.85	2.84	1.56	.46	.94	1.79	1.54	1.94	3.26	4.46	5.25	33.57
1938-39	3.88	4.46	1.68**	.60	.61	.60	.97	.98	1.82	5.70	4.88	3.84	30.12**
1939-40	4.54	4.26	2.54	1.34**	.90**	1.70**	1.40**	2.58	4.48	7.00	7.75	7.80	46.49**
1940-41	7.96	5.84	3.82	1.74	2.44	2.69	2.80	6.09	4.64	8.85	8.40	8.22	62.43
1941-42	5.74	4.95	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	.96	1.44	4.48	6.12	8.40	8.85	8.85	56.52
1943-44	6.02	3.70	1.52	1.35	.97**	1.02	1.40	2.85	4.36	6.28	7.35	5.50	42.52**
1944-45	4.42	1.92	1.42	1.06	.66**	.45	1.92	1.85	3.52	7.85	7.82	7.20	39.91**
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.65	6.55	29.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.18	2.32	1.76	3.95	1.98**	1.98	2.34**	3.69	5.24	7.66	7.71	7.12	47.93**
1948-49	4.44	3.88	1.44	.88	1.06	1.97	3.50	4.17	6.18	7.48	7.69	6.23	48.92
1949-50	4.42	3.44	1.96	1.10	1.50	2.75	3.42	4.28	6.16	7.60	7.74	5.04	49.41
1950-51	5.14	3.26	2.51	1.65	1.95	3.56	2.82	5.45	6.88	7.52	7.92	6.38	53.74
1951-52	4.98	2.48	1.42	1.15	2.06	2.12	2.58	5.88	5.67	8.10	8.12	6.56	51.12
1952-53	4.78	2.11**	1.28	1.48	2.89	3.04	2.98	5.46	5.59	8.27	8.06	6.43	52.37**

NOTE: 'A' SEPTEMBER, 1937, SEE LEGEND

MONTHLY EVAPORATION AT PUDDINGSTONE DAM
STATION #96

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1929-30	7.90	7.73	5.32	2.29	2.76	3.60	4.50	4.64	6.73	11.65	10.52	7.37	75.03
1930-31	7.43	3.30	5.24	3.25	1.67	5.78	5.17	5.86	7.29	10.17	9.16	8.66	73.08
1931-32	6.04	3.74	2.32	2.24	1.60	4.20	5.47	5.50	6.65	9.42	9.30	6.70	63.18
1932-33	6.53	6.76	3.38	3.30	3.88	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.18	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	6.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	9.84	7.68	65.61
1935-36	6.68	5.19	4.35	3.96	2.46	3.87	4.66	7.61	8.60	10.10	10.78	9.24	77.50
1936-37	7.38	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	10.12	8.64	7.64	73.21	
1939-40	6.33A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	6.34	7.78	5.62	64.07
1941-42	5.32	5.28	3.36	3.98	3.08	4.10	2.88	4.30	5.02	7.75	8.40	6.52	59.99
1942-43	6.08	4.30	3.72	3.38	3.30	2.95	3.78	5.68	7.25	8.72	7.58	7.42	65.96
1943-44	5.60	4.92	2.02	2.12	1.96	2.87	3.52	4.30	4.99	6.91	8.00	5.98	53.19
1944-45	4.52	2.60	3.15	2.55	2.08	2.06	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.54	2.14	2.91	3.50	3.92	7.55	8.45	8.72	7.52	59.65
1946-47	4.56	2.62	2.18	2.66	2.40	2.68	3.52	3.98	4.70	8.28	7.32	5.86	50.76
1947-48	4.28	3.52	2.80	3.22	2.83	2.73	3.16	4.87	4.96	7.44	6.39	5.98	52.18
1948-49	4.00	4.21	2.33	2.05	1.40	2.18	3.42	4.20	5.86	6.14	6.61	5.88	48.28
1949-50	4.36	3.97	2.78	1.62	1.42	2.14	3.01	3.58	5.22	6.72	6.72	4.32	45.36
1950-51	5.36	3.47	3.12	2.52	2.22	3.37	2.33	3.88	4.76	6.60	6.51	5.28	49.37
1951-52	5.02	3.36	2.29	1.84	2.72	2.58	2.66	4.85	5.02	6.72	7.02	6.72	50.80
1952-53	4.59	3.66**	2.52	2.54	4.40	3.40	3.30	5.74	5.20	7.47	6.96	5.90	55.68**

NOTE: 'A' OCTOBER 1939, SEE LEGEND

TABLE XI
MONTHLY EVAPORATION AT BIG DALTON DAM
STATION #223

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.86	8.86	7.74	8.02	9.80	12.76	11.97	11.16	104.06
1931-32	7.32	5.08	3.02	3.21	2.71	6.02	7.20	7.15	8.41	11.02	11.84	8.88	81.82
1932-33	6.78	7.88	3.10	4.25	4.35	6.47	5.51	6.60	9.39	10.92	10.22	7.78	83.25
1933-34	8.03	7.99	3.22	4.52	2.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82 ^A	71.72
1935-36	6.50	4.12	3.28	2.88	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	69.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.60	8.48	8.18	6.55	52.20
1942-43	4.72	4.48	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.7	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.38	6.41	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.73	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.76	41.94
1946-47	4.15	2.23	1.30	2.73	2.04	1.36	2.32	4.26	4.28	9.00	7.14	5.99	46.80
1947-48	4.17	3.78	2.94	3.20	2.83	2.10	3.12	3.74	4.32	6.70	7.49	6.89	51.28
1948-49	3.40	2.92	.98	1.18	1.38	1.37	3.38	3.38	5.93	7.05	6.80	6.72	44.49
1949-50	4.22	3.02	1.80	.86	1.51	2.76	2.71	3.74	5.88	7.40	6.79	5.14	45.83
1950-51	4.93	3.04	2.22	1.40	1.86	3.07	2.58	3.85	4.88	7.37	6.94	6.63	48.77
1951-52	4.83	2.31	1.46	1.08	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	48.93
1952-53	4.64	2.08	1.17**	1.50**	3.27	2.81	2.70	4.58	4.62	7.05	6.77	5.43	46.62**

NOTE: 'A' SEPTEMBER, 1935. SEE LEGEND

MONTHLY EVAPORATION AT MELLE'S RANCH (near ACTON)
STATION #261

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.81	4.32	2.18	2.64	1.94	5.88	6.92	7.80	10.18	13.38	13.98	10.94	86.97
1932-33	7.89	6.49	3.13	3.04	4.42	6.26	6.86	7.10	10.19	12.78	12.29	10.08	90.53
1933-34	8.10	7.46	3.95	4.62	3.54	7.18	9.00	10.90	9.23	13.80	13.43	10.35	101.56
1934-35	7.71	4.56	3.92	2.94	3.99	4.01	5.38	8.02	11.80	13.00	11.67	10.24	87.24
1935-36	7.80	5.54	4.63	4.75	2.21	6.00	6.53	10.12	11.34	13.04	13.22	10.82	96.01
1936-37	6.96	6.74	3.51	1.80	2.66	4.35	6.36	7.62	9.94	13.26	13.54	10.58 ^A	87.32
1937-38	7.92	4.62	4.30	4.36	2.35	3.24	5.62	7.32	9.26	11.06	11.62	9.51	81.98
1938-39	6.96	7.12	3.91	3.02	3.32	3.96	6.24*	8.02	10.77	12.50	13.09	7.59	86.50**
1939-40	7.08	4.62	4.22	2.38	2.62	4.52	5.82	9.20	11.15	13.94	13.25	8.82	87.62
1940-41	6.64	5.28	3.56	2.30	2.10	3.57	4.22	8.32	9.60	12.22	10.32	9.04	77.23
1941-42	5.77	4.80	2.51	3.33	3.24	5.29	4.40	7.84	10.12	13.40	11.72	9.20	81.62
1942-43	6.78	4.63	3.74	3.46	3.54	3.16	4.94	8.58	9.16	10.51	10.88	8.33	78.71
1943-44	6.42	5.14	2.84	2.92	2.13	4.98	6.05	7.72	7.91	11.64	11.10	8.73	77.58
1944-45	6.77	3.34	3.86	3.27	2.70	2.92	5.81	8.30	8.63	12.68	11.90	9.02	75.20
1945-46	5.93	4.56	3.13	4.42	3.59	4.28	5.72	6.98	11.23	11.96	12.76	9.70	84.26
1946-47	5.80	3.02	2.14	3.02	2.74	3.42	5.10	7.85	8.32	11.87	10.34	8.47	72.09
1947-48	5.50	3.98	2.83	3.98	3.07	3.47	5.10	7.21	7.84	11.64	11.18	9.26	75.06
1948-49	5.53	5.02	2.67	1.12 [#]	2.12	3.05	5.35	6.92	8.93	10.48	10.23	8.87	70.29 [#]
1949-50	5.70	4.45	3.19	2.04	2.50	4.24	5.76*	8.53*	10.82	13.76	14.34	9.62	84.98**
1950-51	8.90	7.74	5.92	4.02	4.32	7.12	6.18	10.02	10.78	13.62	13.72	11.78**	95.22**
1951-52	9.38	6.30	3.10	2.57	4.30	2.98	4.38	8.92	9.08	12.18	12.46	10.66	86.31
1952-53	8.52	4.75**	3.26**	3.95**	4.14**	4.48	5.13	7.48	8.88	13.40	12.53	10.22	86.74**

NOTE: 'A' SEPTEMBER, 1937. SEE LEGEND

MONTHLY EVAPORATION AT PUENTE HILLS
STATION #265 C

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	1.72	3.22	1.84	1.16	.80	2.53	5.58	4.88	5.78	6.76	6.90	5.34	49.51
1932-33	1.50	4.90	2.32	2.26	3.06	3.20	3.73	4.95	5.53	6.50	6.30	5.21	52.46
1933-34	4.50	4.55	2.38	2.59	1.60	2.70	4.67	6.36	4.46	6.74	6.60	6.46	53.61
1934-35	3.87	2.11	1.52	1.46	1.84	1.60	2.60	4.08	5.19	6.86	6.92	5.26	43.31
1935-36	4.70	3.08	2.80	2.50	1.46	2.70	3.42	5.64	5.94	6.88	7.04	5.74	51.90
1936-37	4.16	4.28	2.24	1.62	1.26	2.30	3.41	4.10	5.53	6.42	5.76	6.12	48.20
1937-38	4.30	2.56	2.97	2.85	1.60	2.44	3.47	4.24	5.04	6.44	6.80	6.36	49.07
1938-39	4.58	4.48	2.63	1.74	2.52	2.75	3.30**	4.40** ^A	5.84	6.24	5.85	5.35	49.87**
1939-40	3.90	2.46	1.64	.78	1.43	2.88	3.21	4.58	4.42	6.55	5.96	4.93	42.74
1940-41	3.66	2.47	1.38	.94	.44	1.84	2.54	4.76	4.50	6.01	5.32	4.34	38.20
1941-42	3.42	2.30	.97	1.63	1.76	3.61	2.36	4.68	4.14	6.84	5.72	3.80	41.22
1942-43	3.18	2.98	1.38	1.06	1.60	1.37	2.60	4.46	5.05	5.52	5.68	4.20	39.08
1943-44	2.74	2.81	.73	1.29	.94	2.54	3.44	3.54	3.94	4.86	5.57	3.82	36.22
1944-45	2.32	1.09	1.72	1.00	1.03	2.08	3.46	4.31	3.38	4.94	5.34	4.68	34.95
1945-46	3.08	2.04	1.60	1.54	1.42	1.90	2.38	2.86	5.42	6.34	6.34	4.86	39.74
1946-47	2.39	.85	.61	.98	.74	1.60	2.66	2.38	3.22	5.68	4.91	3.56	29.58
1947-48	2.05	1.42	.84	1.44	1.21	1.62	2.29	3.09	3.54	4.67	4.14	3.75	30.26
1948-49	1.97	1.72	1.12	.74	.83	1.79	2.46	2.67	3.73	4.59	4.66	3.83	29.91
1949-50	2.40	1.94	1.06	.97	.43	1.50	2.13	2.65	3.50	4.99	4.28	2.46	28.31
1950-51	2.18	1.33	.70	.75	.02	2.38	1.58	3.07	3.41	4.52	4.42	2.79	28.24
1951-52	2.33	INC.	D I S C O N T I N U E D										INC.

NOTE: 'A' MAY, 1939. SEE LEGEND

TABLE XI
MONTHLY EVAPORATION AT LOWER SAN FERNANDO RESERVOIR
STATION #283
(U.S.W.D. Type A Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	8.07	6.23	6.76	8.23	6.42	8.48	9.37	4.49	6.30	9.72	10.32	8.13	92.52
1932-33	8.64	13.02	6.02	7.13	8.20	8.09	8.57	9.35	8.63	10.52	9.53	8.62	102.32
1933-34	7.95	13.21	7.70	8.60	3.41	8.28	8.18	9.02	5.99	10.61	8.96	8.26	100.17
1934-35	7.16	5.20	5.99	4.75	5.60	4.90	5.27	6.22	7.76	10.07	9.97	7.47	80.36
1935-36	8.54	6.50	5.84	5.98	2.27	5.90	5.92	8.22	9.82	9.78	9.78	8.86	87.41
1936-37	6.83	10.20	6.21	3.26	5.91	6.34	8.25	6.11	8.11	10.50	9.19	8.18	90.09
1937-38	7.20	3.96	6.51	7.09	2.50	4.32	6.15	7.56	6.91	9.49	9.40	8.52	79.61
1938-39	6.01	9.88	8.16	6.26	5.18	4.61	6.87	7.64	9.00	10.01	9.85	10.37	83.84
1939-40	9.02	6.84	7.28	2.68	5.03	6.66	6.85	8.07	7.72	10.48	8.90	7.59	87.52
1940-41	8.13	7.93	5.33	3.54	.91	4.90	5.06	9.04	6.85	9.34	8.20	7.63	76.85
1941-42	7.08	8.13	6.09	5.84	4.86	7.55	4.74	7.99	7.99	11.15	9.12	8.33	86.87
1942-43	7.31	7.69	5.64	6.05	6.50	3.01	5.51	8.24	8.66	9.77	9.42	9.29	87.09
1943-44	6.74	8.15	4.46	5.97	2.52	8.59	6.98	6.05	6.48	8.88	10.50	7.92	83.24
1944-45	5.38	4.41	6.81	5.43	4.67	4.77	7.30	7.72	6.17	9.61	9.41	8.70	80.70
1945-46	6.98	7.08	5.44	7.18	4.95	5.76	5.94	5.92	8.80	10.13	9.69	8.58	86.45
1946-47	7.93	5.48	5.02	6.83	4.27	5.12	6.92	6.63	6.96	12.45	9.81	8.50	85.92
1947-48	5.99	6.80	5.94	7.39	4.97	5.41	6.21	8.67	6.92	10.26	9.51	9.50	87.57
1948-49	5.82	9.95	3.95	3.69	3.30	4.08	7.52	7.76	9.09	10.23	8.34	7.62	81.35
1949-50	7.64	8.03	5.60	3.48	3.48	5.55	6.61	7.18	7.82	9.92	9.93	7.42	82.67
1950-51	6.47	6.82	6.32	4.45	2.58	7.25	4.27	8.04	7.51	10.25	8.84	8.07	80.86
1951-52	8.88	5.21	4.43	3.71	5.16	5.10	6.05	7.64	7.25	10.50	9.67	9.77	83.37
1952-53	5.07	4.99	4.68	6.69	8.45	6.21	5.21	9.40	8.00	11.44	9.81	8.69	89.44

MONTHLY EVAPORATION AT PINE CANYON
STATION #321

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60**
1932-33	8.67	6.51	2.95	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.96	3.13	6.43	8.46	10.61	8.70	13.08	12.18	10.06	94.23
1934-35	6.51	3.63	3.19	2.80	3.39	3.71	4.85	7.20	14.08	12.45	10.52	9.84	82.16
1935-36	7.50	3.94	2.62	2.64	2.22	5.14	6.28	8.86	10.48	11.55	11.6	9.40	82.31
1936-37	6.44A	4.72	2.54	1.36#	1.68	3.10	5.60	6.72	8.48	12.05	10.78	8.08	71.55#
1937-38	5.66	2.92	3.11	2.48	1.62	2.62	4.92	6.00	8.12	9.72	9.06	7.22	63.45
1938-39	4.53	3.78	2.56	1.71	2.52	3.56	5.04	6.71	9.36	10.28	9.72	6.45	66.22
1939-40	5.00	2.68	1.62	1.34	2.04	4.05	5.24	8.33	9.42	10.14	10.22	7.70	67.78
1940-41	4.70	2.40	2.10	1.19	1.22	2.91	2.92	6.68	7.74	10.06	9.54	7.55	59.01
1941-42	4.09	2.46	1.18	2.66#	2.65	5.00	5.06	8.30	11.77	14.08	11.96	9.05	78.26#
1942-43	7.24	4.62	3.18	2.76	3.04	3.84	5.52	10.45	10.15	12.20	12.00	10.10	85.10
1943-44	6.88	4.88	4.57	3.00	3.79	5.47	6.28	7.88	8.15	12.32	12.82	10.92	86.96
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.95	2.60	2.50	3.89	5.48	7.81	8.38	11.08	9.80	7.85	69.94
1947-48	5.70	3.91	2.78	3.42	2.96	3.65	4.26	7.50	8.50	10.71	10.20	8.94	72.53
1948-49	5.40	4.42	2.02	1.56	1.68	2.87	6.01	6.87	9.17	11.10	9.91	8.10	69.11
1949-50	6.44	4.10	2.44	1.60	2.36	4.48	5.20	7.22	6.77	10.42	10.76	7.39	71.18
1950-51	5.69	3.85	3.02	2.23	2.32	4.78	5.60	8.16	9.40	12.02**	11.42	9.60	78.09**
1951-52	7.42	3.9*	2.04	2.46	3.25	3.17	5.04	9.33	9.06	11.54	11.28	9.08	77.66
1952-53	7.50	5.16	3.43**	3.42	5.45	5.17	5.72	5.87	8.80	11.80	10.36	8.44	81.14**

NOTE: *A* OCTOBER, 1936, SEE LEGEND

MONTHLY RECORDS AT COGSWELL DAM
STATION #334B
(Land Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1935-36	7.18	4.13	3.05	2.92	1.42	4.32	4.60	6.16	9.82	11.70	11.51	10.00	76.81
1936-37	5.79	4.68	1.88	1.07	1.81	2.68	6.06	6.28	8.39	11.40	10.64	10.40	71.08
1937-38	7.92	4.95	3.64	3.17	4.92	3.08	5.46	6.88	8.98	11.86	11.74	10.66	83.26
1938-39	6.76	5.94	3.78	3.04	3.24	3.94	6.40	8.06	10.74	13.10	12.80	8.85	86.65
1939-40	7.07	4.88	3.05	1.92	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.95	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.78	1.56	2.15	2.88	3.98	3.56	7.08	8.98	12.42	10.88	9.22	70.60
1942-43	6.36	3.56	2.50	2.65	2.08	2.63	4.22	7.50	7.88	10.75	10.62	9.32	70.07
1943-44	6.16	4.04	1.54	1.57**	1.46	4.08	4.45	6.24	6.44	9.95	10.40	7.90	64.23**
1944-45	5.78	2.23	1.93	1.86	2.08	2.27	5.27	6.62	7.02	10.66	9.65	7.88	63.25
1945-46	4.74	2.90	1.66	3.02	2.10	2.86	4.63	5.34	8.68	9.41	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.29	9.22	8.13	6.89	52.51
1947-48	4.67	3.20	2.06	2.99	2.52	2.66	3.56	5.36	6.23	10.10	10.00	9.10	62.45
1948-49	5.42	4.62	1.58	1.04#	1.36	2.82	4.90	5.50	8.13	10.13	9.94	10.02	65.46#
1949-50	6.08	4.60	2.31	1.31	2.30	3.74	4.46	5.96	8.10	9.90	10.65	7.32	66.73
1950-51	6.23	3.79	2.86	1.91	2.26	4.12	3.94	6.16	7.95	10.78	11.03	9.46	70.55
1951-52	6.09	2.88	1.45	1.95	2.46	2.34	3.77	7.10	7.64	10.13	10.30	9.26	64.37
1952-53	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10.78	10.68	8.61	69.33**

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

TABLE XI
MONTHLY RECORDS AT COGSWELL DAM
STATION #334B
(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1936-37	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	4.37	6.69	8.60	8.28	N.R.	INC.
1937-38	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	4.30	5.16	6.02	8.07	INC.	INC.
1938-39	N.R.	N.R.	N.R.	N.R.	INC.	2.20	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1939-40	N.R.	N.R.	N.R.	INC.	1.97	3.90	4.24	7.36	8.50	10.36	INC.	N.R.	INC.
1940-41	N.R.	N.R.	1.78**	1.51	1.20	2.90	3.28	5.88	6.40	8.84	8.10	7.84	INC.
1941-42	3.91	INC.	1.11	1.50	2.07	3.40	3.32	6.14	7.62	10.41	9.42	INC.	INC.
1942-43	N.R.	N.R.	INC.	1.60	2.07	2.58	3.94	6.42	7.16	9.09	9.26	INC.	INC.
1943-44	N.R.	N.R.	INC.	1.73	1.60	3.97	4.80	6.06	5.91	8.47	8.94	6.47	INC.
1944-45	INC.	INC.	1.98	1.90	1.99	2.23	5.04	6.28	6.22	9.00	8.96	7.19	INC.
1945-46	4.46	3.28	1.70	3.08	1.98	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1946-47	N.R.	INC.	1.40	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1947-48	NOT IN OPERATION												
1948-49	N.R.	N.R.	INC.	1.07	2.72	4.42	5.42	7.36	8.94	8.76	INC.	INC.	INC.
1949-50	N.R.	N.R.	INC.	1.14	2.24	3.60	4.66	5.62	7.68	8.21	9.45	INC.	INC.
1950-51	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	3.92	6.50	8.11	9.28	9.72	7.95	INC.
1951-52	INC.	N.R.	N.R.	1.71	2.60	2.27	4.31	7.45	7.42	9.63	10.24	8.51	INC.
1952-53	7.79	3.52**	2.06**	2.03**	3.44**	4.09**	4.72**	6.68	N.R.	N.R.	N.R.	N.R.	INC.

MONTHLY EVAPORATION AT SILVER LAKE RESERVOIR
STATION #336
(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	4.89	3.89	1.69	3.43	1.83	4.30	5.63	5.55	6.27	7.19	7.52	5.59	57.78
1932-33	5.03	3.79	2.33	1.80	2.65	3.72	4.69	5.49	6.77	7.42	7.36	5.15	56.22
1933-34	4.51	3.89	2.31	2.74	1.73	3.72	5.12	7.04	5.47	6.95	7.02	6.06	56.56
1934-35	4.32	2.66	1.48	1.42	2.39	2.82	2.83	5.14	6.19	7.22	7.27	6.00	49.74
1935-36	5.34	3.13	2.09	2.02	1.20	3.37	4.23	6.36	6.72	7.36	6.84	5.92	54.58
1936-37	4.77	3.47	1.60	DRY	DRY	DRY	DRY	DRY	INC.	INC.	INC.	INC.	INC.
1937-38	INC.	INC.	INC.	2.43	1.50	4.00	4.60	5.83	6.15	7.22	7.93	6.06	INC.
1938-39	5.00	4.39	2.52	3.72	2.53	3.36	4.59	6.30	6.79	7.98	7.06	6.36	60.60
1939-40	6.24	3.59	2.63	1.35	1.96	4.01	5.05	6.38	6.52	7.58	7.29	6.16	58.76
1940-41	5.95	4.45	2.00	1.88	1.93	1.11	3.90	7.00	6.04	7.46	6.66	5.96	54.34
1941-42	4.78	3.43	2.25	2.06	2.91	4.21	4.55	6.06	5.56	7.74	6.83	5.93	56.31
1942-43	5.09	3.75	3.26	2.64	2.07	2.27	4.64	6.62	6.74	7.73	7.36	6.74	58.91
1943-44	5.19	3.88	1.75	2.33	2.70	3.93	5.29	5.22	5.92	6.80	7.40	5.68	56.09
1944-45	4.34	2.80	2.81	2.04	1.90	3.00	5.43	5.89	4.83	5.44	5.71	4.84	49.03
1945-46	3.87	4.07	2.85	4.31	2.89	3.80	3.90	4.36	5.34	6.22	6.21	4.74	52.96
1946-47	4.51	2.44	2.35**	3.32	2.48	3.41	5.04	5.04	6.17	7.31	7.10	4.88	54.05**
1947-48	4.27	4.42	3.14	3.12	3.40	3.65	4.41	5.88	5.42	6.84	6.37	5.32	56.24
1948-49	3.91	4.28	2.46	3.16	2.50	3.61	4.29	4.59	5.80	6.02	5.52	4.58	50.72
1949-50	4.96	3.36	3.60	1.73	2.55	3.23	4.76	5.16	5.53	6.09	5.71	4.47	51.15
1950-51	ABANDONED												

MONTHLY EVAPORATION AT BALDWIN PARK
STATION #347
(24' dia. Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1933-34	4.62	3.91	1.73	1.83	1.81	4.13	6.05	8.52	6.51	9.32	8.30	7.27	64.00
1934-35	4.26	2.66	2.23	1.70	2.64	2.90	4.07	5.70	7.12	9.13	8.57	6.41	57.39
1935-36	5.28	2.99	2.19	2.05	1.89	3.12	4.05	7.29	8.11	8.48	7.80	6.31	59.56
1936-37	4.50	3.41	1.90	1.29	1.98	3.34	5.00	5.11	7.17	8.96	8.48	7.36	58.50
1937-38	4.84	2.94	2.44	2.28	2.02	3.07	4.31	6.11	6.85	8.56	8.24	7.03	58.69
1938-39	5.14	3.91	2.49	1.91	2.74	2.93	4.68	6.34	8.25	9.04	8.30	6.95**	62.68**
1939-40	4.65	2.97	2.37	1.23**	2.34	3.43	4.54**	6.54	6.99	9.13	8.21	6.96	59.36**
1940-41	5.09	2.92	1.93	1.47	1.56	2.96	3.69	6.85	6.42	8.22	7.00	6.46	54.57
1941-42	4.71	3.07	1.78	1.73	2.03	3.80	3.29	5.77	6.17	9.11	8.19	6.25	55.90
1942-43	5.02	2.88	3.90	1.81	1.97	2.17	3.79	6.35	7.52	8.83	8.39	7.20	59.83
1943-44	5.17	3.71	2.04	1.59	2.22	3.40	5.09	5.94	6.18	7.93	8.69	6.03	57.99
1944-45	3.67	2.18	1.87	1.32	1.93	2.63	4.53	5.98	5.12	7.73	6.14	6.36	49.46
1945-46	4.15	3.09	2.03	2.47	2.04	3.47	4.15	4.59	7.95	8.60	8.99	7.55	59.08
1946-47	4.61	2.36	1.61	1.95	2.21	3.62	5.26	6.16	6.32	9.57	8.41	6.21	58.29
1947-48	3.90	3.35	2.31	2.10	2.55	3.50	5.04	6.57	6.45	8.40	7.96	6.39	58.52
1948-49	3.36	3.09	1.94	2.01	1.45	3.08	4.14	4.94	6.69	8.10	8.57	6.50	53.87
1949-50	4.62	3.28	2.00	1.46	1.84	3.73	4.22	5.27	7.06	7.64	7.99	5.45	54.56
1950-51	4.90	2.76	2.16	2.32	2.39	3.82	3.62	6.35	6.36	7.06	8.02	5.99	55.75
1951-52	4.83	2.70	1.32	1.78	2.63	2.24	2.83	5.72	6.83	8.59	8.23	6.60	53.30
1952-53	4.17	2.19**	1.23**	1.38**	2.87**	3.02**	4.15**	6.94	5.89	8.69	7.44	5.89	53.86**

MONTHLY EVAPORATION AT BALDWIN PARK
STATION #347
(F.C. 24" dia. Pan - L.A.C.F.C.D.)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.63	4.80	2.44	2.21	3.14	4.88	5.82	7.75	9.08	10.10	9.41	6.59	71.85
1933-34	4.99	4.05	1.74	1.72	1.62	4.33	6.36	9.06	6.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.84	5.82	6.04	8.32	10.17	10.21	8.21A	67.19
1937-38	5.09	2.98	2.33	2.50	1.35	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2.94**	4.61	6.50	8.57	9.06	8.46	7.14	63.96**
1939-40	4.66	2.92	2.30	1.12**	2.26**	3.46	4.52	6.59	7.04	9.21	8.37	7.01	59.46**
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.66	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	6.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.59	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.45	2.02	3.31	4.18	4.62	7.94	8.64	8.36	7.68	58.48
1946-47	3.64	1.73	1.19	1.37	1.43	2.50	4.09	4.36	5.08	8.06	7.11	5.24	45.80
1947-48	3.21	2.64	1.66	1.64	2.11	3.06	4.46	5.88	5.83	7.70	7.32	5.86	51.37
1948-49	3.37	2.88	1.39	1.42#	1.21	2.64	3.90	4.94	6.83	7.82	7.97	6.30	50.67#
1949-50	4.27	2.33	1.43	.94	1.28	2.99	3.88	4.68	6.16	7.21	6.32	5.14	46.63
1950-51	4.43	3.00	1.83	1.64	2.14	3.31	2.93	5.20	5.36	6.09	6.75	5.01	42.68
1951-52	4.22	2.26	1.00	.68	2.14	1.88	2.10	5.16	5.66	7.13	7.11	5.80	45.14
1952-53	3.78	1.83**	1.06**	1.05**	2.43**	2.63**	3.40	6.00	5.27	7.24	6.84	5.38	46.91**

NOTE: *A* SEPTEMBER, 1937. SEE LEGEND

TABLE XI
MONTHLY EVAPORATION AT BALDWIN PARK
STATION #347
(U.S.W.B. Type A Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	5.00	4.23	2.07	2.47	2.38	4.79	5.28	6.89	8.15	9.49	8.53	5.64	64.92
1933-34	4.80	4.14	1.88**	2.74	2.36	4.56	5.97	6.38	9.44	8.32	6.32	7.32	66.28**
1934-35	4.43	2.49	2.21	1.94	2.94	3.20	4.45	5.92	7.48	9.40	8.82	6.66	59.94
1935-36	5.64	3.28	2.38	2.45	2.36	3.78	4.94	7.78	8.92	8.98	8.35	6.67	65.53
1936-37	4.78	3.85	2.00	1.46	2.37	4.02	5.77	5.25	7.78	9.07	8.22	7.13	61.70
1937-38	4.70	2.75	2.51	2.64	2.53	3.78	4.87	6.69	6.86	8.79	8.47	7.11	61.70
1938-39	4.67	3.57	2.61	2.01	3.18	3.38	4.98	6.34	8.32	8.94	8.53	7.47**	64.00**
1939-40	4.88	2.90	2.39	1.50**	2.82	3.93	4.89	6.69	6.66	8.85	7.83	6.86	60.00**
1940-41	5.01	2.98	2.34	1.88	2.07	3.63	4.29	7.48	6.51	8.41	6.91	6.12	57.63
1941-42	4.53	3.13	2.06	1.82**	2.73**	4.41	3.71	6.99	6.49	9.31	8.08	5.99	59.23**
1942-43	5.05	3.73	2.21	2.26	2.60	2.65	4.27	6.74	7.46	8.69	8.55	6.98	61.60
1943-44	4.74	3.48	2.08	2.10	2.71	4.08	5.06	6.00	6.09	7.85	8.27	5.89	57.88
1944-45	3.83	2.32	2.25	1.74	2.39	3.36	5.09	6.07	5.21	7.93	5.93	6.02	52.14
1945-46	3.97	3.06	1.96	2.68	2.26	3.41	4.14	4.16	7.30	8.08	7.78	6.74	55.54
1946-47	4.01	2.29	1.71	2.03	2.19	3.70	5.29	5.10	6.12	9.68	8.14	5.63	55.89
1947-48	3.69	3.15	2.25	2.16	2.98	3.67	6.27	5.99	6.27	7.96	7.60	6.07	58.06
1948-49	3.66	3.30	2.15	1.78#	1.94	3.48	4.45	5.29	7.00	7.90	8.12	6.37	55.42#
1949-50	4.49	3.44	2.41	1.78	1.99	4.02	4.97	5.85	7.17	8.24	7.89	5.29	57.44
1950-51	4.93	2.87	2.20	2.18	2.74	4.32	3.94	6.22	6.17	7.01	7.73	6.00	55.99
1951-52	5.05	2.83	1.72	1.12	3.20	2.53	3.61	7.08	6.46**	6.83	8.21	6.78	57.42**
1952-53	4.15	2.51**	1.68**	2.57**	3.68**	4.49**	4.67**	7.45	6.35	8.21	7.89	8.15	60.47**

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

MONTHLY EVAPORATION AT BALDWIN PARK
STATION #347
(6' dia. Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1932-33	4.43	4.06	2.22	1.89	3.49	3.61	4.16	6.43	6.89	7.75	6.87	4.95	56.75
1933-34	4.01	3.11	1.36	1.56	1.55	3.57	5.03	7.23	5.43	7.78	7.11	6.04	53.80
1934-35	3.43	2.13	1.71	1.41	2.22	2.48	3.51	4.91	6.22	7.78	7.22	5.46	48.48
1935-36	4.60	2.62	1.84	1.77	1.70	2.93	3.81	6.49	7.26	7.54	7.04	5.60	53.20
1936-37	3.81	2.96	1.59	1.05	1.74	3.09	4.67	4.51	6.29	7.72	7.38	6.68	51.48
1937-38	4.11	2.32	1.96	1.99	1.72	2.99	3.97	5.42	6.04	7.43	7.13	5.96	51.04
1938-39	4.24	3.23	2.19	1.54	2.52	2.65	4.14	5.51	7.19	7.68	7.19	5.96**	54.04
1939-40	4.11	2.37	1.94	1.09**	2.16	3.06	3.90	5.68	5.96	7.76	6.88	5.80	50.71
1940-41	4.36	2.53	1.67	1.33	1.46	2.70	3.34	5.98	5.69	7.24	6.05	5.49	47.87
1941-42	3.91	2.58	1.95	1.52	1.77	3.47	3.36	5.89	5.54	7.87	7.23	5.28	46.47
1942-43	4.28	2.44	1.72	1.58	1.82	2.12	3.60	5.68	6.40	7.70	7.21	6.10	50.65
1943-44	4.17	2.93	1.69	1.40	2.60	3.16	4.47	5.30	5.78	6.94	7.53	5.04	51.01
1944-45	3.13	1.88	1.63	1.27	1.76	2.52	4.06	5.18	4.55	6.96	5.43	5.57	43.96
1945-46	3.57	2.64	1.71	2.25	1.91	3.22	3.96	4.08	6.95	7.60	7.43	6.39	51.66
1946-47	3.90	2.08	1.49	1.72	1.77	2.93	4.47	5.16	5.37	8.40	7.31	5.53	50.13
1947-48	3.25	2.75	1.94	1.76	2.21	3.15	4.47	5.47	5.64	6.95	6.76	5.47	49.82
1948-49	3.07	2.75	1.71	1.78#	1.41	3.36	3.63	4.50	6.29	6.95	7.21	5.58	48.24#
1949-50	3.78	2.99	1.63	1.18	1.60	3.06	3.84	4.17	7.34	7.13	6.49	4.25	47.66
1950-51	3.66	2.18	1.76	1.67	2.16	3.67	3.50	3.18	5.70*	5.94	6.76	5.07	45.47**
1951-52	4.18	2.22	1.27	.81	2.47	1.68	2.09	5.50	5.65	7.44	7.02	5.48	45.81
1952-53	3.77	1.90**	1.03**	1.16**	2.49**	3.31**	3.89**	6.57	5.27	7.51	6.54	5.32	48.76

MONTHLY EVAPORATION AT PALMDALE
STATION #351

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

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

STATION #441

1945-46	5.84	3.52	2.91	3.12	2.88	4.88	5.90	8.92	12.68	14.16	15.05	10.15	90.01
1946-47	6.01	2.62	1.26	2.12	2.42	3.72	5.47	8.70	11.20	11.85	11.96	9.25	76.58
1947-48	6.18	2.91	1.71	2.76	3.11	3.79	6.34	8.15	10.53	13.09	12.28	10.00	80.85
1948-49	6.06	4.92	2.33	.52#	2.11	4.66	7.25	8.64	11.48	12.45	12.40	9.92	82.34#
1949-50	5.90	3.18	2.26	1.88	2.69	4.80	4.77	6.94	8.72	11.20	10.25	7.99	70.18
1950-51	6.56	4.50	3.40	2.48	3.92	6.44	8.06	10.56	11.22	12.20	15.58	14.11	99.03
1951-52	7.21	4.29	3.18	1.66	2.98	3.58	5.76	9.59	10.09	12.82	14.48	9.94	85.57
1952-53	7.00	3.68	2.31	2.88	4.98	6.45	7.02	9.14	11.42	16.55	14.08	11.82	97.33

MONTHLY EVAPORATION AT MORRIS DAM
STATION #390 B
(4' Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	6.04	5.18	3.16	2.87	2.88	6.40	6.19	6.98	7.79	10.37	9.13	7.60	74.59
1931-32	5.41	3.61	1.75	1.96	2.74	5.24	6.31	6.49	7.28	9.76	9.22	7.21	66.98
1932-33	6.30	5.66	2.32	2.54	3.80	5.60	5.36	7.36	10.00	11.60	10.69	7.99	79.22
1933-34	7.73	7.02	2.30**	3.54	2.54	5.47	6.10	8.65	6.17	10.37	8.99	7.97	74.85**
1934-35	5.29	2.90	2.16	2.06	3.12	3.10**	3.84	5.10	7.42	9.16	9.07	7.04	60.26**
1935-36	5.74	3.35	2.77	2.83	1.66	4.07	4.86	7.40**	8.36	9.12	8.86	7.20	66.22**
1936-37	4.97	4.40	2.15	.82#	1.67	3.04	5.33	4.74	6.88	9.20**	9.17	8.03	61.42#**
1937-38	5.71	2.78	2.35	2.35	1.82	2.90	4.45	5.72	6.35	8.46	8.33	7.34	58.56
1938-39	4.38	3.94	2.40	1.88	2.35	2.70	4.34	5.64	7.88	8.66	8.63	6.65	59.45
1939-40	4.81	3.23	2.54	1.49	2.03	3.74	4.30**	6.54	6.97	9.80	8.63	6.92	61.00**
1940-41	5.82	3.36	2.29	1.58	1.24	3.23	3.37	6.42	6.26	8.86	7.00	5.93	55.36
1941-42	3.98	3.13	1.54	1.88	2.34	4.14	3.37	6.46	6.72	9.62	8.15	6.40	57.73
1942-43	4.39	2.99	2.21	2.42	2.40	2.38	4.05	6.76	7.06	8.87	8.59	7.64	59.76
1943-44	4.97	3.61	1.64	1.79	1.60	3.91	4.37	5.50	5.27	7.68	8.76	6.34	55.44
1944-45	4.36	2.09	2.10	1.93	2.02	2.58	4.88	5.90	4.64	8.26	8.02	6.61	53.59
1945-46	4.21	3.02	1.85	3.00	2.40	3.32	4.57	4.06	8.16	8.74	8.98	7.39	59.70
1946-47	3.94	2.20	1.69	2.50	2.38	3.14	4.99	5.65	6.47	10.72	8.58	7.57	59.83
1947-48	4.54	3.62	2.41	3.35	2.77	3.23	4.34	5.81	6.55	9.30	8.83	7.87	62.62
1948-49	4.55	4.21	1.93	1.79	2.95	5.15	5.57	7.81	9.17	9.22	7.67**	61.81**	

TABLE XI
MONTHLY EVAPORATION AT MORRIS DAM
STATION #390E
(6' Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.32*	2.77	1.34	1.54	1.78	3.89	5.03	5.26	6.20	7.64	7.46	5.44	52.68**
1932-33	5.02	4.28	1.90	1.92	3.07	4.21	3.77	5.62	7.36	8.53	8.11	6.17	59.96
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12**
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00#	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34#
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.68	7.61	6.64	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	56.84	
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.06	3.58	3.10	5.90	6.35	8.72	7.69	6.07	53.38
1942-43	4.27	2.78	2.04	2.11	1.91	2.04	3.46	6.20	6.34	8.00	7.88	6.93	53.86
1943-44	4.29	3.40	1.54	1.56	1.42	3.28	3.73	5.10	4.98	7.32	7.96	5.86	50.94
1944-45	4.18	2.03	1.93	1.79	1.66	2.17	4.32	5.60	4.54	7.30	7.26	6.05	48.83
1945-46	3.85	2.90	1.67	2.63	2.00	2.88	4.14	3.91	7.24	7.96	8.48	6.71	54.37
1946-47	3.88	2.04	1.56	2.17	1.92	2.64	4.42	5.22	5.99	9.52	7.93	6.94	54.23
1947-48	4.42	3.50	2.24	2.90	2.41	2.83	3.76	5.38	6.16	8.54	8.06	7.22	57.42
1948-49	4.26	3.86	1.86	1.76	1.54	2.66	4.48	5.04	7.27	8.28	8.40	7.44	56.85
1949-50	5.09	3.95	2.40	1.37	1.98	3.32	4.04	4.94	7.01	8.24	8.33	5.72	56.39
1950-51	5.48	3.79	3.11	1.97	2.16	4.06	3.41	5.84	6.50	8.66	8.48	6.85	60.31
1951-52	5.56	3.11	1.73	1.30	2.42	3.36	3.22	6.37	6.24	8.68	8.63	7.02	56.64
1952-53	5.11	2.39	1.58	2.16	3.36	3.64	3.82	6.20	6.26	8.82	8.38	6.92	58.64

MONTHLY EVAPORATION AT SAN GABRIEL DAM
STATION #425E
(Land Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1931-32	5.24	3.51	1.31	1.69	2.02	4.14	5.44	6.05	7.16	8.90	9.76	7.69	62.91
1932-33	6.64	4.94	1.96	1.58	2.93	4.46	5.14	5.70	7.64	8.17	8.71	6.77	64.64
1933-34	6.35	4.90	2.14	2.31	2.10	4.81	5.61	5.93	7.59	9.81	8.36	7.06	66.97
1934-35	4.14	2.94	1.85	1.62	1.97	2.62	3.13	4.10	6.78	8.02	7.85	6.66	51.68
1935-36	5.28	3.13	2.42	2.16	1.40	3.64	4.06	6.15	7.35	7.92	8.48	7.62	59.61
1936-37	5.00	3.68	1.82	3.85	1.76	3.18	5.19	5.02	6.76	8.12	8.42	7.74	57.64
1937-38	7.27	4.37	3.74A	3.40	2.27	2.56	5.08	6.76	7.13	9.42	10.03	9.93	71.96
1938-39	7.22	6.81	3.73	3.10	3.62	3.56	5.06	6.14	7.58	8.41	8.91	7.14	70.28
1939-40	6.70	5.21	4.08	1.96	2.34	3.74	3.64	6.09	6.19	9.88	8.91	7.34	66.08
1940-41	8.39	5.34	3.38	2.54	2.06	3.60	4.44	7.53	7.64	10.87	9.03	7.98	72.80
1941-42	6.56	5.34	2.50	2.80	3.42	5.03	3.81	7.24	7.31	10.81	9.80	8.68	73.30
1942-43	6.10	4.60	3.58	3.45	3.34	2.98	4.52	7.74	8.94	10.48	10.56	10.58	76.87
1943-44	7.36	6.47	2.80	2.82	2.36	5.08	5.54	6.74	6.98	9.86	11.74	9.16	76.91
1944-45	7.20	3.64	3.90	3.46	2.70	3.30	5.94	6.90	6.30	9.66	9.80	8.78	71.58
1945-46	5.60	4.68	2.96	4.46	3.05	3.82	5.10	5.14	8.96	10.07	11.26	9.62	74.72
1946-47	6.16	3.22	2.62	3.85	2.98	3.83	5.64	7.18	7.74	13.67	11.20	10.75	76.64
1947-48	7.71	6.10	3.97	5.41	3.94	4.44	6.24	7.66	7.62	11.78	11.34	11.51	86.72
1948-49	7.12**	6.58	3.06	2.42	2.37	3.71	6.13	6.82	9.33	11.01	11.81	11.48	81.84**
1949-50	8.32	7.64	4.53	2.46	3.69	5.42	6.25	6.70	8.91	10.81	11.77	7.98	84.46
1950-51	9.05	6.40	5.17	3.44	3.97	6.04	4.42	7.88	7.56	11.41	11.62	9.99	87.95
1951-52	8.84	5.10	2.68	2.25	3.92	3.42	4.63	8.73	8.68	11.94	11.80	11.43	83.42
1952-53	9.22	4.39**	2.55**	3.48**	5.66	5.50	5.26**	8.54**	8.16	11.40	11.38	9.82	85.36**

NOTE: FORMERLY AT STATION #75B, EDISON INTAKE TO NOV. 1937.
1940 SUMMER AND FALL TOTALS LOW DUE TO WATERING OF
LAWN AND SHRUBS NEAR PAN.
A DECEMBER 1937. SEE LEGEND.

MONTHLY EVAPORATION AT SAN GABRIEL DAM
STATION #425E
(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.78*	3.72	2.72	1.58	2.00	3.42	4.17	6.93	7.58	9.66	8.45	6.06	61.07**
1940-41	5.32	3.65	2.08	1.92	1.52	2.48	3.42	6.94	7.00	8.70	7.95	5.96	56.94
1941-42	5.24**	4.26	1.88	2.30	3.98	4.57	3.32	6.46	6.56	9.22	8.04	6.09	60.90**
1942-43	4.74	3.50	2.68	INC.	N.R.	N.R.	INC.	6.30	7.18	7.66	8.42	7.50	INC.
1943-44	5.34	4.47	1.89	2.04	1.46	2.81	4.32	4.92	5.85	7.54	9.18**	7.26	57.08**
1944-45	5.42	2.70	2.82	2.72	1.80	1.92	4.18	5.28	4.73	6.96	8.15	7.86	54.54
1945-46	4.50	4.13	2.38	3.56	2.36	3.02	3.88	4.30	7.22	8.30	9.46	8.33	61.54
1946-47	5.89	3.00	2.23	3.00	2.10	2.80	4.56	5.66	6.30	10.56	8.94	7.54	62.58
1947-48	6.80	5.78	3.37	3.76	2.58	3.33	4.11	6.20	6.34	9.88	9.70	9.00**	70.85**
1948-49	5.29	4.77	2.30	1.87	1.65	3.02	4.86	5.64	7.60	9.20	9.94	8.06	65.20
1949-50	6.63	4.71	3.03	1.82	2.62	4.01	4.68	5.44	7.48	9.38	11.13	7.66	68.59
1950-51	7.31	4.87	3.86	2.56	3.10	5.04	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.26	6.72	9.02	9.32	8.02	INC.
1952-53	7.52	INC.	N.R.	INC.	4.00	4.30	4.32**	6.96	6.72	9.57	10.54	5.42	INC.

MONTHLY EVAPORATION AT SAN GABRIEL DAM
STATION #425B
(Screened Land Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	4.96	2.51	2.17	3.18	2.42	3.10	4.86	5.90	6.24	10.95	8.90	8.42	63.61
1947-48	5.92	4.78	3.15	4.26	2.98	3.28	4.24	6.14	6.27	9.74	9.43	9.36	69.55
1948-49	5.56	5.34	2.48	1.96	1.78	3.06	5.08	5.66	7.81	9.06	9.56	8.97	66.32
1949-50	6.22	5.42	3.38	1.74	2.64	3.94	4.66	5.29	7.14	8.85	9.24	6.29	64.81
1950-51	6.78	4.82	3.90	2.50	2.87	4.48	3.34	6.06	6.62	9.07	9.13	7.62	67.19
1951-52	6.51	3.84	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.55
1952-53	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.28	9.04	7.63	66.83**

STATION #425E
(FLOATING PAN)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1947-48	6.94	5.90	3.59	4.00	2.58	3.45	4.27	6.52	6.49	10.15	10.28	9.67**	73.84**
1948-49	5.54	5.04	2.44	2.02	1.84	3.26	5.12	5.88	7.85	9.62	10.45	9.59	68.65
1949-50	7.05	4.96	3.22	2.02	2.98	4.34	5.10	5.64	7.88	9.60	10.77	7.63	71.09
1950-51	7.60	5.00	3.88	2.63	3.16	5.18	INC.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.
1951-52	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	6.42	7.26	9.27	9.94	8.56	INC.
1952-53	8.06	INC.	N.R.	INC.	4.34	4.64	4.54	7.54	7.22	10.31	10.56	5.75	INC.

TABLE XI
MONTHLY EVAPORATION AT PICKENS DEBRIS BASIN

STATION #468													
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1941-42	4.83	3.95	1.61	2.20	3.13	3.94	3.53	6.44	6.62	10.74	8.42	7.03	62.44
1942-43	5.59	3.72	2.80	2.86	2.54	2.12	3.56	7.41	8.01	9.38	9.05	9.42	67.56
1943-44	6.15	4.34	2.29	2.30	2.23	4.45	5.73	5.90**	5.94	9.19	8.00	7.15	63.67**
1944-45	4.82	2.74	2.44	2.40	2.40	3.88	5.76	4.94	3.03	5.98	6.98	5.80	50.97
1945-46	3.29	3.55	2.01	3.73	2.08	3.30	3.14	2.35	6.05	6.97	8.50	7.00	51.97
1946-47	3.14	2.14	1.52	2.66	1.68	2.44**	4.06	4.20	4.66	7.22	7.12	5.72	46.82**
1947-48	3.90	3.64	2.17	2.89	2.57	2.33	3.90	4.94	5.02	7.62	6.75	6.50	52.43
1948-49	3.94	3.86	1.56**	1.36**	1.38	1.74	3.69	1.64	6.11	7.00	7.23	6.26	48.97**
1949-50	4.43	3.48	2.19	1.34	1.42	3.18	3.56	1.30	5.59	6.98	8.24	4.55	49.26
1950-51	4.53	3.43	2.57	1.86	2.12	3.64	2.86	1.71	5.02	7.42	7.02	5.54	50.72
1951-52	5.28	3.34*	2.04	1.15	2.34	2.10**	2.42	4.79	4.77	6.12	4.95	6.57	45.97**
1952-53	3.20	2.47	1.58	1.66*	3.23*	3.40**	3.33*	6.11*	6.26**	8.29	7.62	6.14	53.29**

MONTHLY EVAPORATION AT FAIRMONT
STATION #542

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	7.96	3.92	1.70	2.19	3.17	4.86	6.74	12.60	12.01	16.16	15.73	11.06	98.10
1952-53	6.81	3.23	1.53	2.69	3.88	5.61	7.74	8.98	12.48	17.84	14.92	11.41	98.12

MONTHLY EVAPORATION AT LA FRESA - S.C.E.D. CO. SUBSTATION
STATION #1008

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	5.44	5.94	4.26	42.83
1947-48	3.12	2.36	1.46	1.32	2.08	2.48	3.80	5.00	5.14	6.39**	5.89	4.66	43.70**
1948-49	3.12	2.33	1.25	1.76	1.50	2.22	3.43	3.92	4.31	4.74	5.03	4.14	37.66
1949-50	3.50	2.52	1.65	1.25	1.07	2.32	3.24	4.12	4.48	5.22	5.11	3.60	37.28
1950-51	3.12	2.12	1.81	1.54	1.95	2.96	2.64	4.59	4.24	5.45	5.32	3.60	39.64
1951-52	3.51	2.16	1.63	1.36	1.97	2.45	2.72	4.56**	4.89**	5.03**	4.96	3.98	39.24**
1952-53	2.90	2.02	1.24	1.51**	2.66	3.00**	3.38*	6.14**	4.61	5.80	4.70	3.52	41.48**

MONTHLY EVAPORATION AT RIO HONDO SPREADING GROUNDS
STATION #1014

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	3.51*	2.16*	1.48	1.33	2.36	1.69	1.92	4.85	4.50	6.23**	6.08	4.85	40.98**
1952-53	3.10	1.98	1.22	1.16	2.55	2.90	3.38**	6.56	5.31	7.24	6.09	4.34	45.82**

MONTHLY EVAPORATION AT ARCADIA-ARBORETUM
STATION #1037

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1951-52	4.22*	1.96	1.14	1.92	1.62	1.78	1.74	4.69	4.92	5.70	5.04	5.54	40.27**
1952-53	3.52	1.68**	1.14**	1.14**	1.68**	2.15**	3.76**	5.34	4.70	6.78	6.11	5.11	43.11**

MONTHLY EVAPORATION AT LOWER FRANKLIN RESERVOIR
(Floating Pan)

	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	TOTAL
1939-40	4.93	3.22	2.62	1.72	1.88	2.48	3.17	4.17	4.28	6.26	5.86	5.61	44.20
1940-41	4.82	4.40	1.59	1.51	3.63	2.07	4.41	4.85	4.69	6.03	5.09	5.22	48.33
1941-42	3.88	3.39	1.41	1.97	1.87	3.35	2.29	4.85	4.42	5.96	5.66	5.01	44.06
1942-43	4.12	3.59	2.24	2.35	2.29	2.08	3.21	4.89	5.08	5.68	6.10	5.66	47.29
1943-44	4.58	4.14	1.24	2.24	2.13	3.59	3.43	3.60	4.22	4.96	5.89	4.65	44.67
1944-45	3.69	3.11	3.01	2.10	1.71	2.45	3.61	4.49	3.71	5.17	6.38	5.98	45.41
1945-46	4.23	4.07	2.43	2.87	1.81	2.20	2.52	3.33	4.66	5.52	6.37	4.98	45.01
1946-47	4.70	2.82	1.86	DISCONTINUED									INC.

LEGEND

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

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

RUNOFF RECORDS

RUNOFF

FOREWORD

This is the nineteenth annual or biennial report on runoff published since the inception of the Hydraulic Division (formerly the "Hydrographic Department") in April, 1927^{1/}. These reports cover 26 years of records on various streams and channels throughout the District.

VALUE OF RECORDS

Runoff records furnish the basic data necessary for:

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

SUMMARY

The 1951-52 season broke the seven-year dry spell which was one of the most severe droughts of record.

Storm peaks in the western end of the County and along the Los Angeles River were extremely high and, in some instances, approached or exceeded the March, 1938 flood peaks. Storm peaks throughout the rest of the County, with the exception of Coyote Creek, were average or below average.

The 1952-53 season produced below average runoff, with peak flows likewise extremely low, with few exceptions.

^{1/} Records prior to 1927 on some streams are available in either the office of the U.S.G.S. Water Resources Branch, or in the Office of the State Division of Water Resources. Reference to these records, if available, can be found under "Station Descriptions" herein published.

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

Season	Built up Valley Area % of Ave.		San Gabriel Mountains % of Ave.	
	Runoff	Precip.	Runoff	Precip.
1951-52	200-270	172	150-175	152
1952-53	85	67	25	55

EXTENT AND METHOD OF COLLECTING AND PRESENTING DATA

I. Drainage Areas and Stations.

The Flood Control District operated 87 water-stage recording stations on streams during the 1951-52 and 1952-53 seasons, of which 79 were stream-flow stations. These records are published. The remaining 8 are hydraulic study stations only, and the records are not published. These stations were distributed throughout the County as follows:

Drainage Area	No. of Stations
Los Angeles River	28
San Gabriel River	26
Rio Hondo	17
Ballona Creek	6
Santa Monica Mountains - Coastal	3
Santa Clara River	5
San Antonio Creek	1
Antelope Valley	1
Total	87

The locations of all stations are shown on Map IV , page 67 .

II. Types of Channels

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

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

III. Types of Recorders Used

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

Type	No. in Use	Time Duration
Au	15	Continuous
H.C.F. ^{1/}	44	Continuous
Stevens(Type A)	20	Continuous
Stevens(Type L)	6	Weekly or Daily
Rational (Horizontal)	2	Weekly
Friez	1	Continuous
Total	88	

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

IV. Records of Recording Stream Flow Stations.

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

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

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

- (2) Lists of Measurements for all actual meter measurements, together with observed water-stage, areas of cross-section, and mean velocities. These lists include 2,908 measurements taken by the District during 1951-52 and 2,237 taken during 1952-53 at 89 recorder stations, including measurements made at other than District stations.
- (3) Mean daily runoff tabulations which show the mean daily runoff in second-feet; total monthly and yearly runoff in second-foot days and acre-feet.
- (4) Hydrographs showing a curve of instantaneous rate of flow versus time for the larger storms of the period. In general, the storm producing the peak flow of the season at the station was selected. However, the storm producing the peak flow at the maximum number of stations on a major river system was selected for all such stations.

V. United States Geological Survey, Water Resources Branch Records

Included in this report, as additional information, are the records of the thirteen permanent stream-flow recording stations owned and operated in this District by the United States Geological Survey, Water Resources Branch. The Flood Control District cooperates with the U.S.G.S. by taking stream-flow measurements at these stations. During the seasons covered by this report, 412 such measurements were taken. The U.S.G.S., in turn, publishes the records of 23 District stations in their Water Supply Papers for Pacific Slope Basins in California.

VI. Staff Gage Station Measurements

Records of 1125 measurements taken at various staff stations are also included herein. The measurements are correlated with the water-stage at an established metering section. Included in this type of record are the measurements of "Rising Water at Whittier Narrows" which are taken weekly at established staff gage stations. A graph of "Rising Water", showing mean monthly flow fluctuation for a period of 31 years, is included on page 343.

VII. Miscellaneous Station Measurements

In various drainage areas throughout the County, 1,384 miscellaneous measurements were taken. These data were collected for specific purposes at irregular intervals and are insufficient to determine mean daily flow. They are listed and published by drainage areas.

VIII. Percolation Data

Numerous sets of percolation measurements were taken on selected reaches of eleven streams. These are tabulated by streams.

IX. Summary of Seasonal Discharge

Table XIII, page 356, presents a complete summary of the seasonal runoff in acre-feet, maximum, minimum and mean daily flows in cubic feet per second, and the season's peak discharge with date of occurrence.

X. Limitations

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

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

Only meter measurements, pitot tube measurements and quantities determined by float velocities taken with depth soundings or over a known cross-section are published; other determinations are omitted.

Due to shifting channel conditions at many locations, the accuracy of the record depends largely on measurements made at crucial points on each storm hydrograph.

RESPONSIBILITY

The collection of field data was the responsibility of the following hydrographers:

District	Name
----------	------

- | | |
|---|---|
| 1 | G.H. Middleton, assisted by F.A. Lanphear. <u>1</u> / |
| 2 | F.E. Stunden, assisted by G.W. Conavan <u>1</u> /, Fred Treat <u>2</u> /, and H.R. Whisler. |

District	Name
2A	R.A. Waddicor, assisted by J.F. Payne, G.E. Robinson and L.F. Van Buren <u>1/</u> .
3	T.E. Moon, assisted by J.D. Murphy <u>1/</u> .
4	E.S. Bonadiman, John Lang, E. Godfrey, assisted by J.M. De Mars and R.D. Britzman.
5	C.E. Bollinger, assisted by J. Hyde and D. Wood.
6	S.E. Blakeley, J. Luce, W. Thomas, assisted by D. Manley <u>2/</u> and J. Westling <u>2/</u> .
7 & 8	L.J. Turner, S.E. Blakeley, J. Hyde, A.P. Kasimoff and M.V. Pardieck <u>1/</u> , assisted by J.A. Ocamp <u>1/</u> and M.L. Cuadraz <u>1/</u> .
9 & 10	J.W. Luce and Lee Turner, assisted by H.S. Blake <u>1/</u> and B. Rogers <u>1/</u> .

The field work and compilation of records was under the immediate supervision of R.E. Lindsay. Preparation of the report for 1951-52 and 1952-53 was under the immediate supervision of R.E. Lindsay assisted by J. Lang.

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

COOPERATION

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

LEGEND

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

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

- 1/ Operation and Maintenance Division Personnel.
- 2/ Survey Division Personnel

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

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

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

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

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

Suffix R - indicates a recorder station.

Suffix S - indicates a staff gage station.

Suffix B

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

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

"a" - No gage height record due to recorder or clock failure.

"b" - No gage height record due to obstructed communication or sanded well.

"c" - Gage height record affected by backwater.

"d" - Gage height record doubtful.

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

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

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

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

ACCURACY

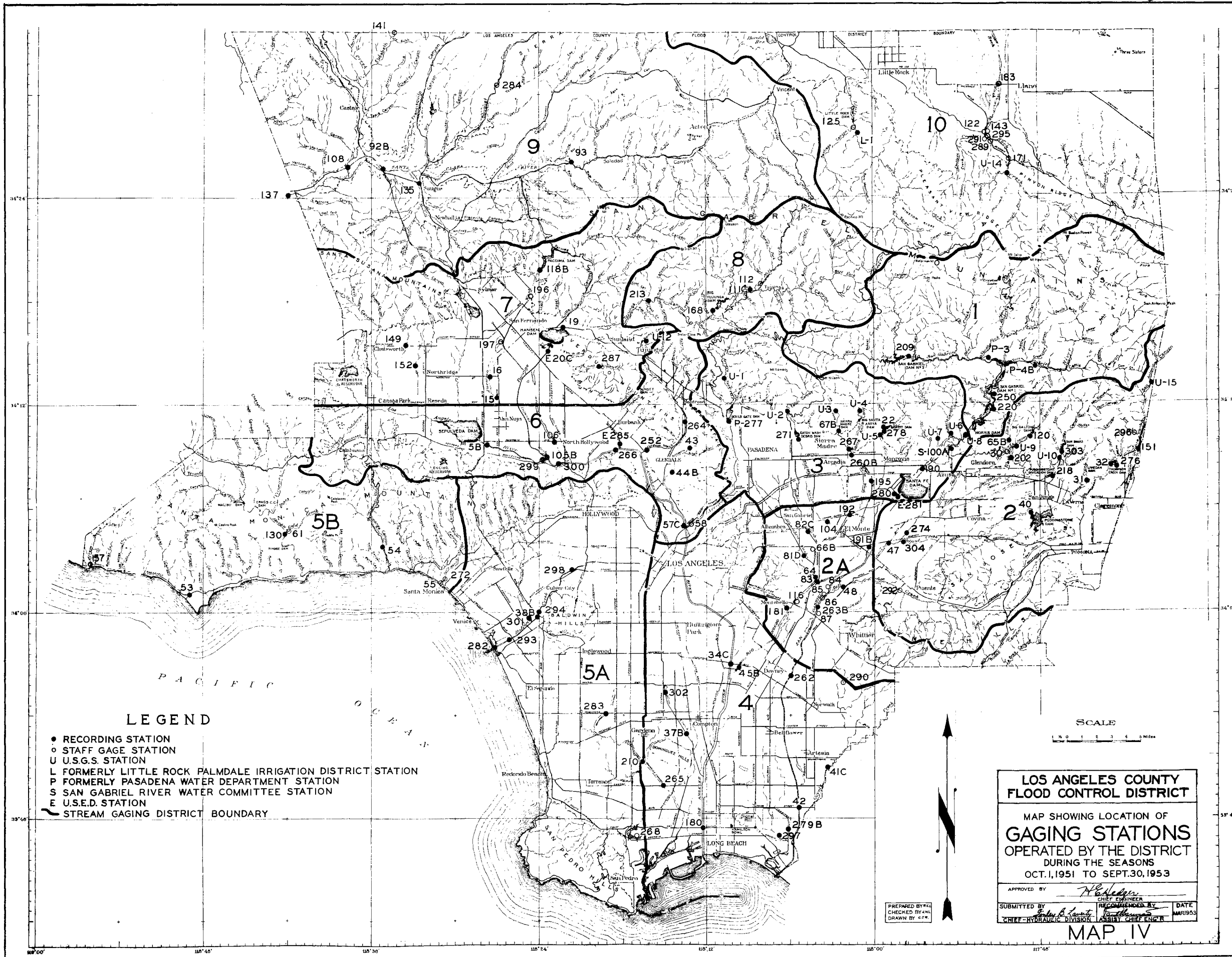
The legend used in plotting the hydrographs has the following significance:

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

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

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

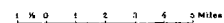
The Mean Daily Runoff Tabulations are qualified under "Accuracy" in the Station Description. "Excellent" indicates that error in the record is probably less than 5%. "Good" indicates a possible error greater than 5% but probably less than 10%. "Fair" indicates a possible error greater than 10% but probably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



LEGEND

- RECORDING STATION
- STAFF GAGE STATION
- U U.S.G.S. STATION
- L FORMERLY LITTLE ROCK PALMDALE IRRIGATION DISTRICT STATION
- P FORMERLY PASADENA WATER DEPARTMENT STATION
- S SAN GABRIEL RIVER WATER COMMITTEE STATION
- E U.S.E.D. STATION
- STREAM GAGING DISTRICT BOUNDARY

SCALE



LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAP SHOWING LOCATION OF
GAGING STATIONS
 OPERATED BY THE DISTRICT
 DURING THE SEASONS
 OCT. 1, 1951 TO SEPT. 30, 1953

APPROVED BY *H. H. ...*
 CHIEF ENGINEER
 SUBMITTED BY *John B. ...*
 CHIEF HYDRAULIC DIVISION
 RECOMMENDED BY *...*
 ASSISTANT CHIEF ENGINEER
 DATE
 MAR 1953

MAP IV

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

STATION F81D-R
ALHAMBRA WASH near Klingerman Street

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

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

DRAINAGE AREA: 14.5 SQUARE MILES.

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

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

RECORDER: INSTALLED SEPTEMBER 2, 1936 OVER A 3.25 FT. X 4.0 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
 - MAXIMUM 3810 SECOND-FOOT, JANUARY 16.
 - MINIMUM 0.2 SECOND-FOOT ON FEBRUARY 9.
- 1952-53
 - MAXIMUM 3140 SECOND-FOOT, NOVEMBER 15.
 - MINIMUM 0.1 SECOND-FOOT IN AUGUST.
- 1929-53 (STATIONS F81-R, F81B-R, F81C-R, F81D-R)
 - MAXIMUM 4890 SECOND-FOOT, JANUARY 1, 1934.
 - MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD. FLOWS OCCASIONALLY ESTIMATED DURING LOW FLOWS.

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

HEWLETT F. C. DIV. 53 9-4

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	1.1	12.9	1.1	1.6	2.6	b 0.3	1.8	0.6	0.6	1.6	0.9
2	1.1	0.9	14.1	0.4	1.4	0.3	0.3	0.9	0.4	0.9	1.6	0.9
3	1.1	0.6	1.4	0.4	1.4	0.6	0.3	0.3	0.4	0.6	2.1	0.9
4	1.1	1.1	4.2	0.4	1.6	1.1	0.3	0.3	0.3	1.8	2.1	0.9
5	1.1	0.4	5.7	0.4	2.1	1.4	0.3	0.4	1.1	1.4	1.4	1.4
6	0.6	0.6	1.6	0.4	b 0.8	3.6	b 0.3	0.6	0.9	0.6	1.4	0.6
7	0.4	0.6	0.4	5.8	0.2	4.2	2.1	0.6	0.9	2.1	1.8	0.6
8	0.3	0.6	0.2	8.4	0.2	7.2	4.2	0.4	0.9	0.9	1.8	0.6
9	0.3	0.6	0.2	2.1	0.3	0.9	1.1	0.4	0.9	0.9	1.8	0.9
10	0.3	0.6	0.2	1.4	0.3	2.6	3.5	0.4	0.6	1.1	1.8	0.9
11	0.4	0.6	13.5	1.1	0.4	2.1	0.4	0.3	0.6	1.4	2.8	1.1
12	0.9	0.4	7.5	2.6	0.4	1.5	0.3	0.4	0.4	1.4	1.8	1.1
13	0.9	0.6	2.6	4.3	0.4	3.2	2.3	0.4	0.6	1.6	2.1	1.1
14	0.6	0.6	1.1	4.0	0.4	1.8	2.6	0.4	0.6	1.1	2.1	0.9
15	0.6	0.4	0.6	4.3	0.4	3.1	3.4	0.4	0.6	1.6	1.6	1.1
16	0.4	0.4	0.4	3.3	0.4	4.5	0.3	0.6	1.1	1.1	1.1	1.1
17	0.4	0.3	0.4	5.9	0.4	2.3	1.8	0.4	1.1	0.9	1.1	0.6
18	0.4	0.3	0.4	2.8	0.4	1.1	2.3	0.3	1.1	0.9	1.1	0.6
19	0.4	9.5	2.6	3.4	0.3	11.3	6.7	0.4	0.6	0.9	1.1	1.8
20	0.4	4.4	2.1	2.1	0.3	1.1	1.4	0.4	0.9	0.9	0.9	1.8
21	0.4	6.7	0.9	2.6	0.3	0.6	1.4	0.4	0.9	0.9	0.9	0.6
22	0.4	1.6	0.6	2.6	0.3	0.4	1.1	0.4	0.9	0.6	0.9	0.9
23	0.4	0.9	0.4	1.8	0.3	0.3	0.9	0.4	1.6	0.6	0.9	0.9
24	0.4	0.6	0.4	10.4	0.3	0.4	1.6	0.3	0.9	0.9	1.1	1.1
25	5.3	0.4	0.4	5.4	0.3	0.6	2.4	0.3	1.1	0.9	1.1	5.9
26	1.5	0.4	0.3	1.4	0.3	0.4	1.6	0.4	0.9	0.9	0.9	2.1
27	0.6	0.4	0.3	1.8	0.3	0.4	0.4	0.4	0.9	0.9	0.9	2.8
28	0.6	0.4	0.4	1.8	b 0.3	0.6	10.7	0.4	0.6	0.9	0.9	2.8
29	0.9	0.4	2.5	1.4	7.2	0.6	4.2	0.6	0.6	0.9	0.9	2.1
30	1.1	0.4	10.4	1.4	0.6	0.6	1.1	0.4	0.6	1.6	0.9	1.4
31	1.1	0.4	2.8	1.4	0.6	1.1	0.3	0.3	1.6	1.6	0.6	0.6
	73.6	161.9	734.1	2175.3	88.1	921.4	251.9	14.4	23.6	33.1	43.1	40.4

MEAN	2.37	5.40	23.7	110.2	3.04	2.97	8.49	0.16	0.70	1.07	1.39	1.25
ACRE- FEET	146.	321.	1460.	4910.	175.	1930.	502.	29.	47.	66.	85.	80.

Remarks:

YEAR MEAN 12.5
OR PERIOD ACRE-FEET 9040.

FD74X F. C. Dist. 68 9-52

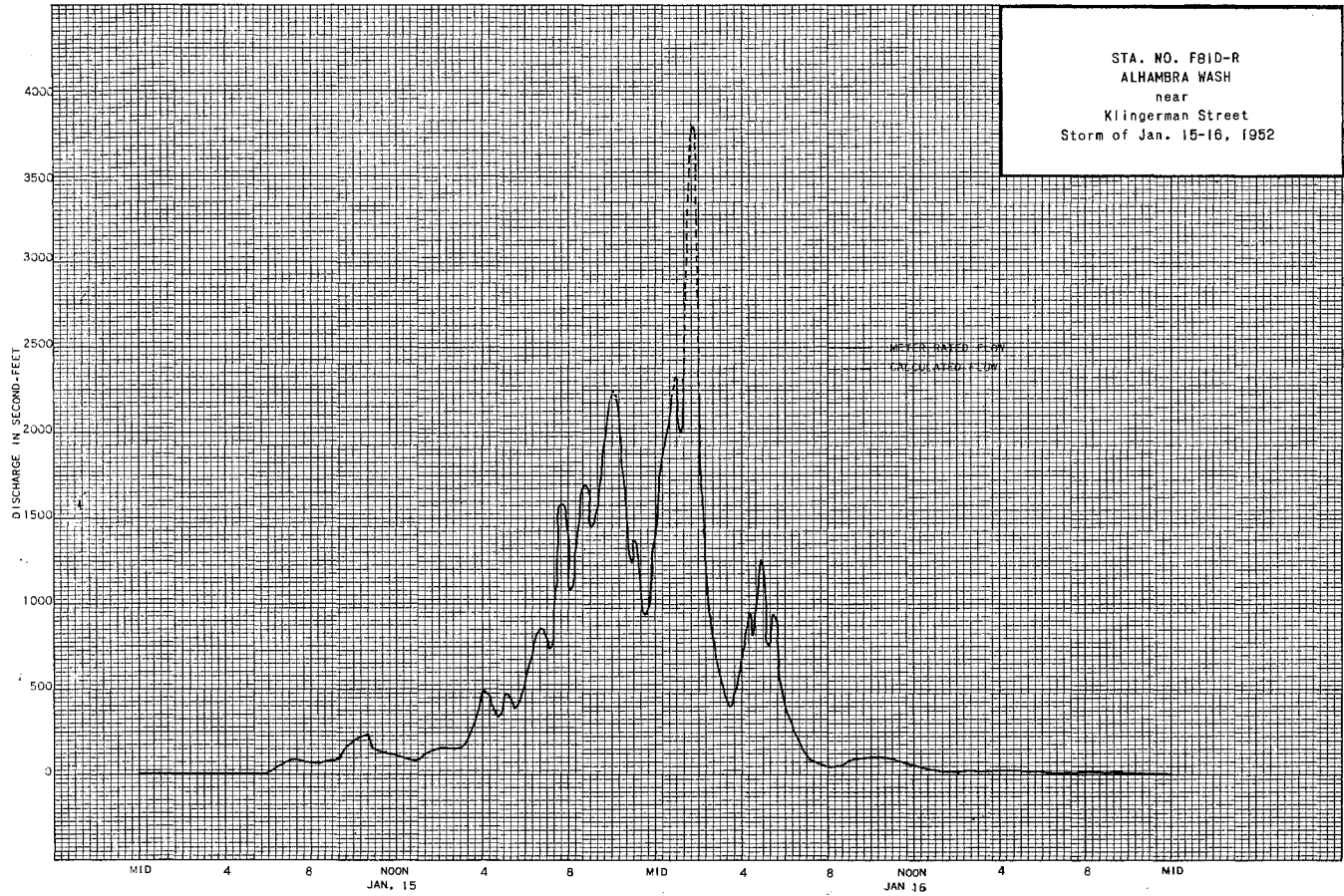
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

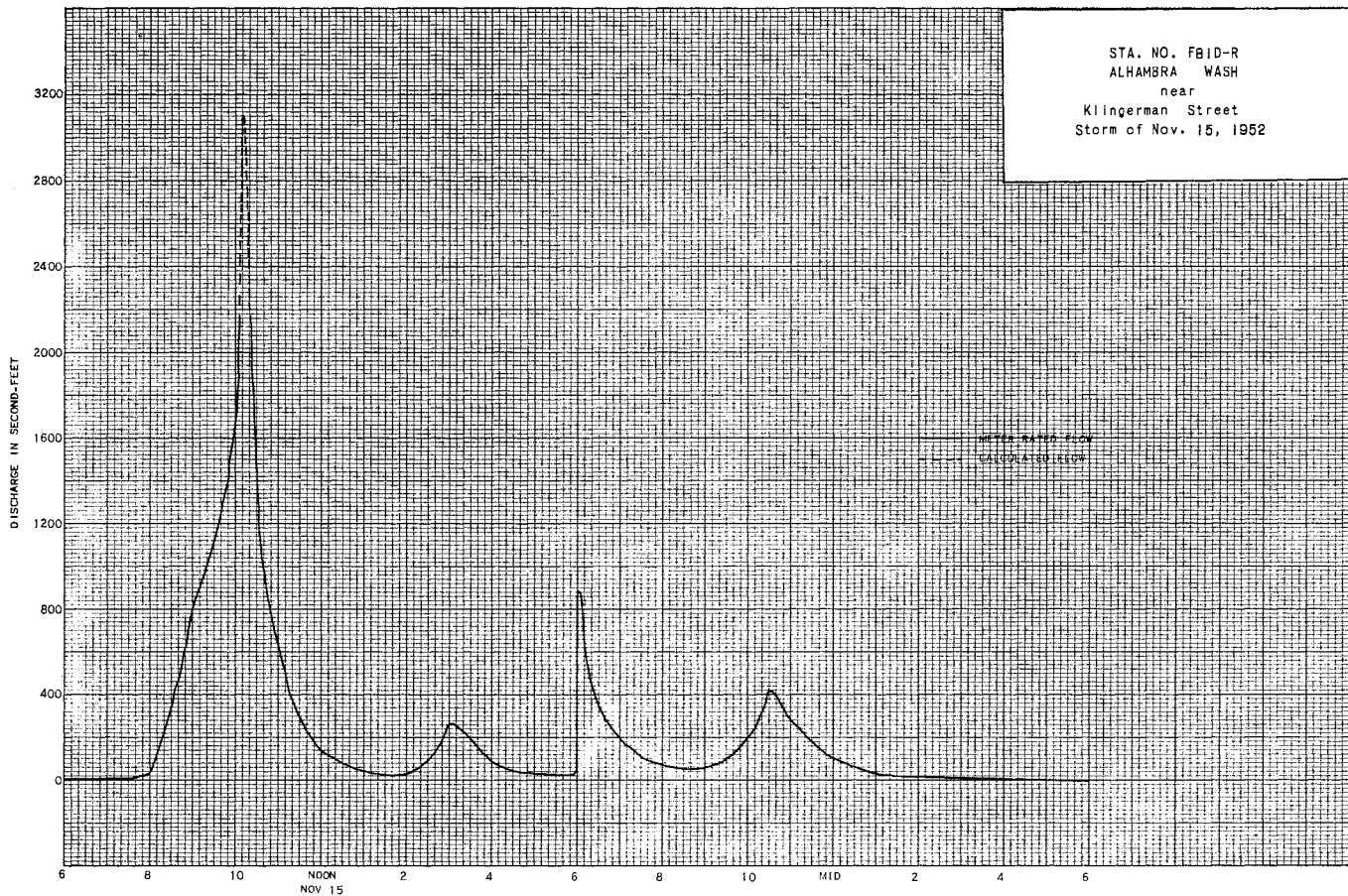
Sta. No. F. 810-R

Daily discharge, in second-feet of ALHAMBRA WASH at Klingerman Street for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	1.4	1.8	1.9	0.9	b 0.5	19.8	b 1.4	b 0.4	0.6	b 0.8	b 0.5	b 0.3	
2	1.4	2.3	4.1	1.1	0.6	4.0	1.4	0.4	0.4	0.8	0.5	0.3	
3	b 1.4	1.6	1.6	0.9	0.7	1.1	1.3	0.4	0.6	0.8	0.5	0.3	
4	1.3	b 1.2	1.8	0.6	0.8	0.6	1.2	0.4	0.6	b 1.0	0.5	0.3	
5	1.2	0.6	1.9	0.6	b 0.9	0.6	1.1	0.4	0.6	1.4	0.5	0.3	
6	1.1	0.3	2.7	2.4	0.9	0.6	1.0	0.4	0.9	1.4	0.5	0.4	
7	1.0	b 0.5	1.4	2.5	0.9	0.6	0.9	0.4	0.9	1.4	0.5	0.4	
8	0.9	2	1.4	1.6	0.9	0.9	0.8	0.4	0.9	1.4	0.5	0.4	
9	0.9	2.1	1.8	0.9	0.6	1.1	0.8	0.4	0.9	1.4	0.5	0.5	
10	0.7	4.8	1.4	0.9	0.9	1.1	b 0.8	0.4	0.9	1.6	0.5	0.5	
11	0.6	6.6	2.3	b 0.9	0.9	2.6	1.4	0.4	0.9	1.6	0.5	0.5	
12	0.5	3.4	1.4	0.9	0.9	2.6	1.1	b 0.4	0.9	1.4	0.5	0.5	
13	0.4	5.9	1.1	4.5	0.9	2.3	1.1	0.6	0.6	1.4	0.5	0.5	
14	0.3	11.9	0.9	2.2	0.9	1.6	1.1	0.6	0.6	1.6	0.5	0.4	
15	0.3	22.8	1.8	b 0.3	1.1	1.1	1.1	0.9	0.6	1.6	0.5	0.4	
16	0.3	8.6	1.8	0.3	1.1	0.6	1.4	0.9	0.6	b 1.1	0.4	0.3	
17	0.3	2.1	7.7	0.3	1.1	0.9	1.4	0.9	0.9	1.1	0.3	0.3	
18	0.3	1.3	0.4	0.4	1.1	1.6	1.4	0.9	1.1	1.1	0.2	0.3	
19	0.3	1.4	2.4	0.4	1.1	1.1	1.4	0.9	1.1	1.1	0.2	0.3	
20	0.3	1.4	1.7	0.5	0.9	2.6	2.6	0.9	b 1.1	1.1	0.1	0.3	
21	0.3	1.6	1.8	0.5	0.9	2.1	1.2	0.9	1.1	1.0	0.1	0.3	
22	0.3	7.0	4.3	0.5	0.6	2.1	b 1.4	0.6	1.1	1.0	0.1	0.3	
23	b 0.3	5.6	3.5	0.5	4.6	1.6	1.4	0.6	1.0	1.0	0.1	0.3	
24	1.6	1.1	3.5	0.5	1.6	1.4	1.4	0.4	1.0	1.0	0.1	0.3	
25	2.8	1.6	1.1	0.4	0.9	1.8	1.4	0.4	1.0	1.0	0.1	0.4	
26	2.8	1.1	4.9	0.4	0.9	2.3	b 1.4	0.3	0.9	1.0	0.1	0.4	
27	2.8	0.9	3.8	0.3	0.6	2.3	b 1.4	0.3	0.9	1.0	0.1	0.4	
28	2.4	1.1	5.5	0.3	4.8	1.8	b 1.4	0.6	0.9	1.0	0.1	0.5	
29	2.3	1	6.2	0.3	0.3	1.4	b 0.9	0.6	0.8	b 1.0	0.1	0.5	
30	2.1	1.0	6.8	0.3	0.3	1.4	b 0.4	0.4	0.8	b 0.8	0.2	0.5	
31	1.6	4.8	b 0.4	0.4	0.4	1.4	b 1.4	0.4	0.4	5.8	b 0.2	0.5	
		34.5	524.8	74.0	119.5	16.9	25.2	10.0	11.4	10.0	11.4	11.4	
MEAN		1.11	17.6	16.9	4.08	2.54	3.69	3.98	0.55	0.84	1.44	0.32	0.38
ACRE-FEET		68.	1050.	1040.	251.	147.	227.	237.	34.	50.	89.	20.	23.

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 4.47 3240.





STATION F152-R
 ALISO WASH at Nordhoff Street

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}14'06''$, LONG. $118^{\circ}32'52''$, ON THE CENTER PIER DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT NORDHOFF STREET ABOUT ONE MILE NORTHWEST OF NORTHRIDGE AND 3600 FEET WEST OF RESEDA AVENUE. ELEVATION OF ZERO GAGE HEIGHT, 315.12 FEET. (GAGE PLATES LOWERED 1.00 FOOT 10/27/52.)

DRAINAGE AREA: 7.61 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 3, 1939 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. REMOVED FOR BRIDGE REMOVAL AND CHANNEL CONSTRUCTION JULY 15, 1947 AND REINSTALLED AUGUST 31, 1948. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 3, 1939 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
 MAXIMUM 1600 SECOND-FEET JANUARY 15.
 MINIMUM NO FLOW MOST OF YEAR.
 1952-53
 MAXIMUM 1020 SECOND-FEET NOVEMBER 15.
 MINIMUM NO FLOW SOME DAYS EVERY MONTH.
 1939-53
 MAXIMUM DISCHARGE NOT DETERMINED FEBRUARY 20, 1941.
 MAXIMUM 1750 SECOND-FEET JANUARY 22, 1943.
 MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF ALISO WASH
 AT Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	S. HT. CHANGE TOTAL	METER NO.
127	10-17	1328	TURNER				0.18	0.02	V	NOTCH WEIR		
128	11-14	1500	SPENCER				0.19	0.04	"	"		
129	11-20	1340	"				0.41	0.48	EST.	"		
130	12-5	1800	"				0.14	0.02	"	"		
131	12-12	1856	TURNER	6.0	1.54	2.34	2.58	3.6	.6	7	-.02	FC43
132	12-29	0837 0942	TURNER-THOMAS	25.0	28.4	2.43	3.05	69.0	.6	8	-.10	"
133	12-29	1707 1710	"	6.0	2.21	2.53	2.56	5.6	.5	5	-.01	"
134	12-30	1853	THOMAS-TURNER	6.5	2.28	2.19	2.58	5.0	.5	6	0	"
135	1-12	1802 1808	TURNER-ROGERS	TWO	CHANNELS		2.70	13.4	.6	7	+.08	"
136	1-12	1848 1855	"	15.5	6.79	6.30	2.84	42.2	.6	7	+.08	"
137	1-12	2344 2350	"	TWO	CHANNELS		2.63	11.5	.6	5	+.01	"
138	1-15	1833	"	18.0	12.6	7.26	2.99	91.5	.6	7	+.07	"
139	1-16	0035 0038	"	43.5	59.8	6.64	3.29	397.	.6	8	-.21	"
140	1-16	1504 1510	TURNER	TWO	CHANNELS		1.80	10.7	.6	8	"	"
141	1-18	1020	TURNER-ROGERS	16.0	5.36	4.69	1.09	25.1	.6	8	+.01	"
142	1-21	0819 0828	TURNER	5.0	1.38	1.59	0.43	2.2	.6	6	0	"
143	1-25	1457 1503	"	5.5	1.30	1.23	0.40	1.6	.5	7	0	"
144	3-7	0750 0802	"	18.0	25.0	9.68	2.10	242.	.6	7	-.07	"
145	3-7	0837 0843	TURNER-ROGERS	64.5	54.3	2.87	1.70	156.	.6	10	-.06	"
146	3-7	1603 1609	TURNER	8.0	3.66	2.10	-.07	7.7	.6	7	0	"
147	3-10	1636 1639	"	11.0	7.41	3.41	0.36	25.3	.6	8	-.04	"
148	3-15	1050 1104	TURNER-ROGERS	44.0	107.	6.91	2.89	739.	.6	11	-.08	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	S. HT. CHANGE TOTAL	METER NO.
149	3-15	2137 2148	"	70.0	82.4	3.56	1.82	222.	.6	10	-.15	"
150	3-16	1040 1050	"	11.3	4.92	3.21	0.49	15.8	.6	8	+.02	"
151	3-18	1024 1030	TURNER	5.0	1.77	1.81	0.20	3.2	.6	8	0	FC29
152	3-19	1850 1853	"	2.7	1.12	1.78	0.15	2.0	.6	5	0	"
153	6-4	0950	"				0.26	0.09	V	NOTCH WEIR		
154	9-5	1405	"				0.22	0.06	"	"		

DISCHARGE MEASUREMENTS OF ALISO WASH
 AT Nordhoff Street DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	S. HT. CHANGE TOTAL	METER NO.
155	11-14	1415 1427	THOMAS-TURNER	9.5	3.16	2.59	1.23	8.2	.6	11	-.10	FC43
156	11-15	1315 1324	TURNER	9.5	3.51	2.51	1.01	8.8	.6	9	0	"
157	12-1	2230 2240	"	12.5	13.2	4.55	2.00	80.1	.6	6	0	"
158	12-20	0810 0818	"	14.0	8.38	4.05	1.62	33.9	.6	9	0	"
159	4-27	2050 2058	BLAKELY	12.0	4.01	2.64	1.32	10.6	.5	8	-.01	"

TDOTEM P. C. Dist. 53 9-59

LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

Sta. No. F152-R

Daily discharge, in second-feet of ALISO WASH at Nordhoff Street for the year ending September 30, 19 52

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	0.2	0	0.4	0	0	0	0	0	+	0
3	+	0	0	0	0	0	0	0	0	0	+	0
4	0	0	+	0	0	0	0	0	0	0	+	0
5	0	0	0.4	0	0	0	0	0	0	0	+	0.1
6	0	0	0	0	0	+	0	0	+	+	+	0.3
7	0	0	0	0	0	8.2	1.8	0	0	0	0.1	a 0.1
8	0	+	0	0	0	7.0	0	0	0	0	+	+
9	0	0	0	0	0	6.2	0	0	0	0	+	+
10	0	0	0	0	0	10.0	0.7	0	0	0	+	+
11	0	+	0	+	0	6.6	0	0	0	0	+	+
12	0	0.1	1.9	1.0	0	0	0	0	0	0	+	+
13	0	0.1	+	4.0	0	0	0	0.2	0	0	+	+
14	+	0.1	0	0.5	0	0	0	0	0	0	+	+
15	+	0.1	0	1.4	0	1.9	0	0	0	0	+	+
16	+	0.1	0	10.9	0	3.2	0	0	+	0	+	+
17	0.1	+	0	7.8	0	5.5	0	0	0	0	+	+
18	0.1	+	0	8.3	0	3.2	0	0	0.1	0	+	0.2
19	+	+	0	3.0	0	4.6	+	0	0	0	+	0.5
20	+	0.2	0.1	1.5	0	e	0	0	0	0	+	a 0.3
21	+	+	0	a 0.1	0	0	0	0	0	0	+	0.4
22	+	+	0	0.5	0	0	0	0	0	0	+	0.1
23	+	+	0	0.1	0	0	0	0	0.1	0	+	0
24	+	+	0	0.1	0	0	0	0	+	+	+	0
25	+	+	0	a 3.6	0	0	1.1	0	0	0	+	+
26	0	0	0	0.5	0	0	0.8	0	0	0	+	0.1
27	+	0	0	0.3	0	0	0	0	0	0	+	+
28	+	0	0	0.2	0	0	0	0	0	0	+	0
29	0	0	2.0	0.2	1.1	0	0	0	0	0	0.1	+
30	0	0	4.9	0.5	0	0	0	0	0	0	+	+
31	0	+	+	0.5	0	0	0	0	0	0	+	+
	0.2	0.7	27.5	44.4	1.7	316.1	20.6	0.2	0.2	0.3		2.4

MEAN	0.06	.023	0.99	11.3	.059	17.2	0.69	.006	.007	+	.010	0.08
ACRE- FEET	0.4	1.4	55.	#81.	3.4	627.	41.	0.4	0.4	+	0.6	4.8
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR OR PERIOD											MEAN 2.22 1620.

FD-70M G 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F152-R

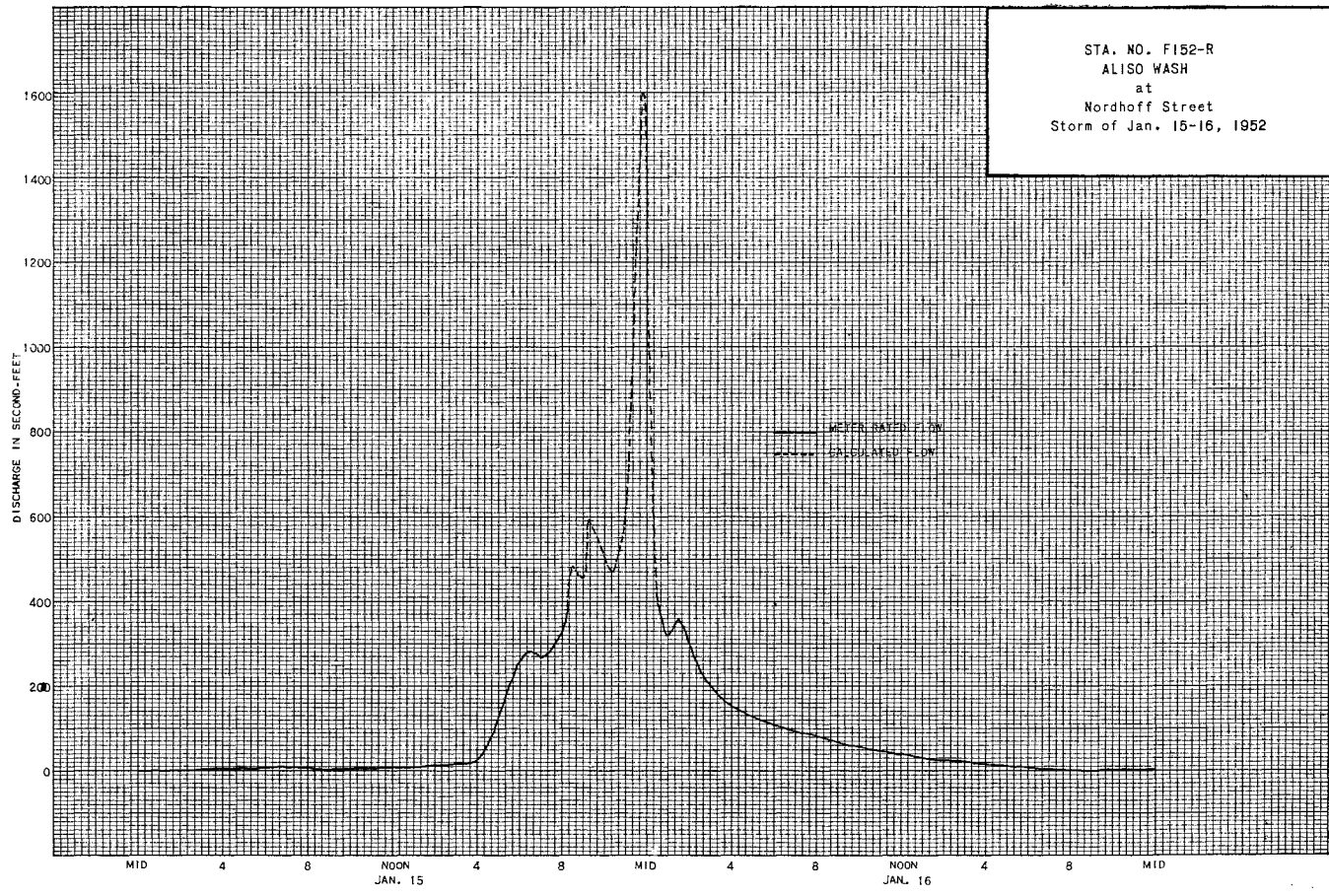
Daily discharge, in second-feet of ALISO WASH at Nordhoff Street for the year ending September 30, 1953

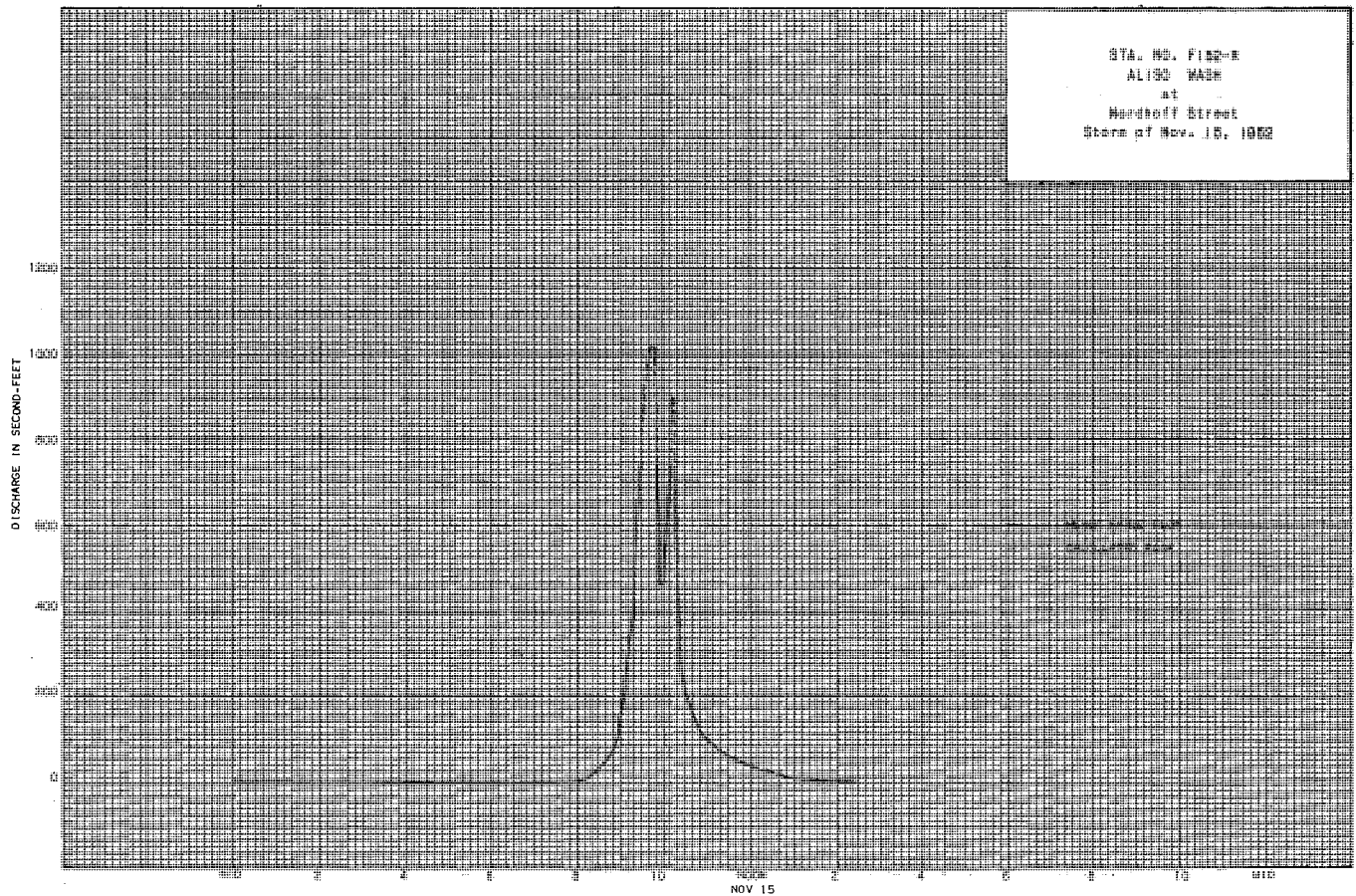
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	27	0	0	0	0	0	a 0.1	0	0	a +
2	0	+	0.4	0	0	0	0	0	a 0.1	0.1	0	+
3	0	+	0	0	0	0	0	0	0.1	0.1	0	+
4	0	+	0	0	0	0	0	0	0.1	+	0	+
5	0	0	0	0	0	0	0	0	+	0	+	+
6	0	+	0	1.3	0	0	0	0	0	0	+	+
7	+	0	0	+	0	0	0	0	+	0	0	0
8	0.1	v 0.1	0	7.8	0	0	0	0.2	+	0	+	0
9	+	0	0	0.4	0	0	0	0.3	+	0	0.1	+
10	0.1	0	0	0	0	0	0	0.4	0.1	+	+	+
11	+	0	0	0	0	0	0	0.1	+	+	+	+
12	+	0	0	0	0	0	0	0.2	+	+	+	+
13	+	0	0	7.3	0	0	0	0	+	+	+	+
14	0	5.7	0	1.0	0	0	0.1	+	+	0.2	+	+
15	0	5.1	0	0	0	0	0.4	+	+	+	+	+
16	0	1.7	0	0	0	0	0.4	0	0	+	0.1	+
17	0	0	0	0	0	0	0.4	+	+	0.1	0.1	+
18	+	0	0	0	0	0	0.3	+	+	+	0	+
19	+	0	0	0	0	0	0.7	+	+	+	0	+
20	+	0	1.6	0	0	1.9	2.2	+	+	0	+	0
21	+	0	0	0	0	0	0	0.1	+	0	+	0
22	+	0	0	0	0	0	0	0.2	0.1	0	0	0
23	+	0	0	0	0	0	0	0	0.1	0	0	0
24	+	0	0	0	0	0	0	0	+	+	+	0
25	0	0	0	0	0	0	0	0	0.1	0	0.1	0
26	+	0	0	0	0	0	0	0	+	0	+	0
27	+	0	0	0	0	0	6.4	0.3	+	0	a 0.1	0
28	+	0	5.4	0	0	0	0	0.7	0	0	a +	0
29	+	0	0	0	0	0	0	0.3	0	0	a +	+
30	0	+	8.7	0	0	0	0	0.3	0	0	a +	+
31	0	0	0	0	0	0	0	0	0	0	a +	+
	0.2		57.5		0		10.9		0.8		0.5	

	58.5	17.8	1.9	3.2	0.5							
MEAN	.006	1.95	1.85	0.57	0	.061	0.36	0.10	.026	.016	.016	+
ACRE- FEET	0.4	116.	114.	35.	0	3.8	22.	6.3	1.6	1.0	1.0	+

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

YEAR MEAN
OR PERIOD ACRE-FEET 0.42
301.





STATION UI-R
ARROYO SECO above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL. LAT. $34^{\circ}13'20''$
LONG. $118^{\circ}10'40''$. NEAR NORTH LINE OF SEC. 31, T.2N., R.12W., 1.5 MILES
UPSTREAM FROM MILLARD CANYON AND 5.5 MILES NORTHWEST OF PASADENA.
ALTITUDE OF GAGE 1397.88.

DRAINAGE AREA: 16.4 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1910 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 39 YEARS (1913-15, 1916-53) - 9.68 SECOND-FOOT.

EXTREMES:

1951-52
MAXIMUM DISCHARGE 1090 SECOND-FOOT JANUARY 16. (GAGE HEIGHT 4.75 FEET.)
MINIMUM DAILY 0.1 SECOND-FOOT SEVERAL DAYS IN OCTOBER.
1952-53
MAXIMUM DISCHARGE 49 SECOND-FOOT DECEMBER 2. (GAGE HEIGHT 1.80 FEET.)
MINIMUM DISCHARGE 0.2 SECOND-FOOT AUGUST 10 - 26.
1910-53
MAXIMUM DISCHARGE 8620 SECOND-FOOT MARCH 2, 1938 BY SLOPE-AREA METHOD.
MINIMUM DISCHARGE NO FLOW AT TIMES IN SOME YEARS.

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

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

DISCHARGE MEASUREMENTS OF ARROYO SECO
 AT NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY F.P.P.R. SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. INB	MEAN RES. NO.	B. CHARGE TOTAL	METER NO.
1772	10-1		USGS	1.3	0.60	0.30	0.54	0.18	.5	5	0	
1773	10-17		"	1.7	0.81	0.30	0.53	0.24	.6	10	0	
1774	10-31		"	1.7	0.89	0.35	0.55	0.31	.6	10	0	
1775	11-20		"	13.0	7.12	1.43	0.96	10.2	.5	13	+04	
1776	11-28		"	1.80	1.22	0.89	0.62	1.09	.6	10	0	
1777	12-5		"	14.0	10.6	1.51	1.22	16.0	.6	18	-.01	
1778	12-13		"	10.0	8.93	1.01	0.95	9.06	.6	14	0	
1779	12-21		"	5.2	3.81	0.66	0.75	2.50	.6	18	0	
1780	12-29		"	12.0	10.1	1.61	1.37	16.3	.6	17	+03	
1781	12-30		"	29.0	37.2	3.39	2.64	126.	.6	19	-.02	
1782	12-31		"	14.0	17.4	2.97	1.86	51.6	.6	13	-.01	
1783	1-3		"	12.0	8.09	1.35	1.06	10.9	.5	16	0	
1784	1-12		"	3.8	72.6	5.81	3.92	422	.6	17	-.19	
1785	1-13		"	29.0	38.8	4.38	3.06	170.	.6	14	+01	
1786	1-16		"	37.0	76.1	5.87	3.83	447.	.6	18	+01	
1787	1-19		"	27.5	41.2	3.20	2.63	132.	.6	24	-.02	
1788	1-24		"	22.0	21.6	1.80	1.60	38.9	.6	22	0	
1789	1-31		"	15.5	12.9	1.53	1.24	19.8	.6	15	0	
1790	2-7		"	11.4	9.69	1.11	1.07	10.8	.6	17	0	
1791	2-14		"	10.5	10.2	0.89	0.98	9.10	.6	16	0	
1792	2-28		"	19.5	12.7	0.52	0.87	6.65	.6	30	0	
1793	3-11		"	23.6	36.7	0.81	1.76	29.7	.6	30	-.02	
1794	3-16		"	25.0	34.3	2.63	2.20	80.8	.6	26	0	
1795	3-25		"	25.2	32.1	1.80	2.01	57.7	.5	26	0	
1796	3-31		"	22.4	26.0	1.76	1.82	45.7	.5	24	0	
1797	4-7		"	21.6	21.1	1.43	1.56	30.1	.6	23	0	
1798	4-14		"	21.4	19.3	1.28	1.44	24.7	.6	23	0	
1799	4-16	0930 0945	MOON	18.0	15.5	1.67	1.35	25.9	.6	11	0	FC22
1800	4-23	1032 1020	"	18.0	14.1	1.43	1.24	20.2	.6	12	0	"
1801	4-29		USGS	21.1	15.8	1.07	1.28	17.1	.6	23	0	
1802	5-1	1340 0915	MOON	17.0	13.6	1.31	1.18	17.8	.6	11	0	FC22
1803	5-7	0815 0845	"	17.0	13.0	1.10	1.13	14.3	.6	10	0	"
1804	5-14	1135 1150	"	17.5	11.9	1.02	1.06	12.2	.6	11	0	"
1805	5-19		USGS	20.5	12.1	0.78	1.06	9.48	.5	24	0	
1806	5-26		"	20.1	9.87	0.64	1.04	6.27	.5	24	+01	
1807	5-28	0855 0950	MOON	16.2	9.29	0.96	1.03	8.9	.6	11	0	FC22
1808	6-2		USGS	20.9	11.6	0.60	1.02	6.88	.5	26	0	
1809	6-2		"	20.6	10.8	0.68	1.02	7.39	.5	24	0	
1810	6-2		"	20.7	11.1	0.64	1.02	7.12	.5	26	0	
1811	6-11	0805 0915	MOON	3.0	1.38	4.86	0.97	6.7	.6	7	0	FC22
1812	6-16		USGS	18.1	11.4	0.46	0.92	5.18	.6	24	0	
1813	6-16		"	13.1	9.21	0.63	0.97	5.77	.6	17	0	
1814	6-23		"	17.9	10.9	0.48	0.87	5.21	.5	21	0	
1815	6-23		"	16.9	11.0	0.48	0.87	5.24	.5	25	0	
1816	6-24	1359 1408	MOON	3.0	1.30	4.08	0.89	5.3	.5	7	0	FC22
1817	6-30		USGS	16.8	8.57	0.54	0.92	4.59	.5	21	0	
1818	7-9	0957 1007	KAS IMOFF	4.9	3.52	0.74	0.89	2.6	.6	11	0	FC48
1819	7-14		USGS	9.1	5.68	0.48	0.81	2.70	.5	16	0	
1820	7-14		"	10.7	5.07	0.44	0.81	2.22	.6	20	0	
1821	7-16	0914 1008	KAS IMOFF	2.95	1.06	2.59	0.81	2.8	.6	8	0	FC47
1822	7-24	0950 1000	MOON	3.0	3.03	0.73	0.90	2.2	.6	7	0	FC48
1823	7-30		USGS	3.00	1.04	2.52	0.81	2.62	.5	16	-.01	
1824	8-7	0920 0928	MOON	4.0	1.97	1.02	0.83	2.0	.6	5	0	FC48
1825	8-13		USGS	2.8	0.74	3.31	0.72	2.45	.6	15	0	
1826	8-13		"	5.6	3.02	0.72	0.71	2.17	.5	13	0	
1827	8-21	0950 1000	DE MARS-MOON	3.5	1.85	1.14	0.70	2.1	.6	7	0	FC48
1828	8-29		USGS	2.8	0.63	2.63	0.72	1.66	.5	11	0	
1829	8-29		"	2.8	0.59	2.56	0.71	1.52	.5	16	-.01	
1830	9-9		"	2.8	0.48	2.48	0.64	1.19	.5	12	+01	
1831	9-11	1122 1132	MOON	2.8	0.50	2.40	0.65	1.2	.5	7	0	FC29
1832	9-18	0942 0952	"	2.7	0.45	1.98	0.63	0.89	.5	7	0	"

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY F.P.P.R. SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. INB	MEAN RES. NO.	B. CHARGE TOTAL	METER NO.
1833	9-25	1090 1050		2.7	0.42	2.10	0.65	0.88	.5	7	0	
1834	9-30		USGS	2.9	1.06	0.90	0.63	0.95	.6	16	0	

DISCHARGE MEASUREMENTS OF ARROYO SECO
 AT NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY F.P.P.R. SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. INB	MEAN RES. NO.	B. CHARGE TOTAL	METER NO.
1835	10-15		USGS	2.7	0.43	0.88	0.62	0.77	.5	15	0	
1836	10-15		"	2.9	0.58	1.41	0.62	0.82	.5	16		
1837	10-30		"	2.7	0.42	2.64	0.62	1.10	.5	15	-.01	
1838	11-12		"	2.6	0.66	2.60	0.63	1.71	.5	14	0	
1839	11-13	1036 1046	MOON	2.8	0.49	2.60	0.83	1.3	.5	7	0	FC29
1840	11-19	1025 1035	"	3.0	0.63	3.98	0.74	3.3	.5	8	0	"
1841	11-26	1230 1240	"	3.30	0.67	3.44	0.73	2.3	.6	8	0	"
1842	12-1		USGS	4.10	2.44	1.38	0.77	3.36	.6	22	0	
1843	12-2		"	15.5	12.8	1.36	1.25	17.4	.6	31	-.02	
1844	12-4	1530 1830	MOON	2.9	0.99	4.44	0.80	4.4	.5	8	0	FC29
1845	12-18	0832 0842	"	2.9	0.76	3.68	0.76	2.8	.5	7	0	"
1846	12-18		USGS	4.0	2.38	1.07	0.76	2.58	.6	21	0	
1847	12-23	0828 0838	MOON	2.9	0.88	4.20	0.77	3.7	.5	8	0	FC29
1848	12-30	0842 0852	"	3.0	1.06	4.72	0.84	5.0	.5	7	0	"
1849	12-30		USGS	4.2	3.32	1.60	0.84	5.30	.6	22	0	
1850	1-7	1235 1245	MOON	19.0	14.7	0.89	1.16	13.1	.6	13	0	FC29
1851	1-14	0940 0950	"	3.3	1.34	4.70	0.95	6.3	.5	8	0	"
1852	1-14		USGS	4.1	3.30	1.93	0.93	6.37	.6	22	0	
1853	1-21	0925 0935	MOON	3.0	1.21	3.97	0.94	4.8	.5	8	0	FC29
1854	1-27	1530 1540	"	3.0	1.04	3.65	0.90	3.8	.5	7	0	"
1855	1-29		USGS	4.0	2.53	1.40	0.89	3.54	.6	21	0	
1856	2-4	0918 0928	MOON	3.2	0.93	2.69	0.84	2.5	.5	7	0	FC29
1857	2-11	1114 1124	"	3.3	0.96	1.88	0.85	1.8	.5	8	0	"
1858	2-16		USGS	4.2	2.54	0.80	0.86	2.02	.6	22	-.01	
1859	2-24	1255 1305	MOON	3.1	0.97	2.16	0.87	2.1	.5	7	0	FC29
1860	2-28		USGS	4.1	2.66	0.76	0.82	2.01	.6	22	0	
1861	3-11	0930 0940	MOON	3.0	0.96	2.08	0.91	1.98	.5	7	0	FC29
1862	3-13		USGS	4.1	2.46	0.98	0.86	2.41	.6	21	0	
1863	3-18	0925 0935	MOON	3.0	0.97	1.96	0.85	1.92	.5	7	0	FC29
1864	3-31		USGS	4.1	2.38	0.80	0.80	1.82	.6	15	-.01	
1865	4-1	0834 0844	MOON	3.0	0.97	2.16	0.79	2.1	.5	7	0	FC29
1866	4-15	0848 0858	"	3.0	0.86	2.33	0.76	2.0	.5	7	0	"
1867	4-15		USGS	4.0	2.35	0.75	0.74	1.77	.6	14	0	
1868	4-30	1098 1048	MOON	3.0	0.96	2.60	0.80	2.5	.5	7	0	FC29
1869	4-30		USGS	4.2	2.78	0.82	0.77	2.27	.5	16	22	0
1870	5-13	0845 0853	MOON	3.0	0.88	1.70	0.76	1.5	.5	7	0	FC29
1871	5-15		USGS	2.9	0.92	1.71	0.74	1.57	.6	16	0	
1872	5-28	0855 0905	MOON	3.0	0.68	1.91	0.90	1.3	.5	7	0	FC29
1873	5-29		USGS	3.0	1.14	1.42	0.93	1.62	.6	16	-.03	
1874	6-11	0836 0847	MOON	3.0	0.72	1.84	0.87	1.3	.5	7	0	FC29
1875	6-13		USGS	2.8	0.54	2.26	0.68	1.22	.6	15		
1876	6-25	1143 1146	MOON	2.5	1.63	0.80	0.67	1.3	.6	6		FC29
1877	7-1		USGS	3.5	1.78	0.44	0.66	0.78	.6	17	+01	
1878	7-9	0918 0923	MOON	3.0	1.70	0.59	0.66	1.0	.6	7	0	FC48
1879	7-16		USGS	2.7	1.13	0.54	0.60	0.61	.5	15	0	
1880	7-23	0827 0837	MOON	2.7	1.08	0.47	0.59	0.51	.5	7	0	FC48
1881	7-30		USGS				0.56	0.25	FLUME			

72074M P. C. Dist. 53 8-52

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.3	1.4	2.5	1.9	1.5	4.2	1.8	7.5	3.9	2.1	1.3
2	0.1	0.3	1.8	1.4	1.5	1.0	4.0	1.6	7.0	3.9	2.1	1.3
3	0.1	0.3	1.8	1.0	1.5	7.5	3.6	1.6	7.2	3.9	2.1	1.3
4	0.1	0.3	1.9	8.0	1.4	3.4	1.9	1.9	7.2	3.9	2.1	1.3
5	0.1	0.3	1.3	8.0	1.2	6.5	3.2	1.4	7.2	3.9	2.1	1.3
6	0.1	0.3	4.5	8.0	1.1	6.5	3.1	1.4	7.5	3.7	1.9	1.2
7	0.1	0.3	3.0	1.2	1.1	8.2	3.6	1.4	6.8	3.5	1.9	1.2
8	0.1	0.3	2.6	7.2	1.0	4.1	4.4	1.4	6.5	3.3	1.9	1.2
9	0.1	0.3	2.2	7.5	1.0	2.2	3.2	1.4	6.2	3.1	1.9	1.2
10	0.1	0.3	1.7	7.2	1.0	2.9	3.2	1.3	6.5	3.1	1.9	1.2
11	0.1	0.3	1.8	6.7	1.0	4.0	3.0	1.2	6.5	2.8	1.9	1.2
12	0.2	0.3	1.4	6.5	1.0	2.6	2.7	1.2	6.0	2.8	2.1	1.1
13	0.2	0.3	1.0	1.29	9.5	2.4	2.4	1.2	6.0	2.8	2.1	1.1
14	0.2	0.3	4.9	5.1	8.9	2.1	2.4	1.2	5.5	2.6	1.8	1.0
15	0.2	0.2	4.2	5.0	9.9	1.8	2.4	1.2	5.5	2.6	1.7	0.9
16	0.2	0.3	4.2	3.96	8.6	1.9	2.5	1.1	5.1	2.8	1.8	0.9
17	0.2	0.3	3.5	2.00	8.6	1.0	2.4	1.0	5.1	2.6	1.8	0.8
18	0.2	0.4	2.5	3.66	8.3	8.3	2.4	9.8	5.1	2.5	1.8	0.8
19	0.2	1.3	3.4	1.48	8.3	7.7	2.6	8.9	5.1	2.5	1.8	1.0
20	0.2	1.4	2.6	9.9	8.0	7.2	2.3	8.9	5.1	2.3	1.8	0.9
21	0.2	7.3	2.6	7.8	8.0	6.3	2.2	9.2	5.1	2.3	1.9	0.9
22	0.2	3.1	2.5	5.7	7.8	5.4	2.1	9.2	5.1	2.3	1.9	0.9
23	0.2	1.6	2.3	4.6	7.5	4.8	1.9	9.2	5.1	2.3	1.9	0.8
24	0.3	1.6	2.3	4.0	7.5	4.8	1.8	8.9	4.9	2.3	1.8	0.8
25	0.4	1.4	2.2	4.3	7.2	5.9	2.6	8.3	4.9	2.3	1.8	0.8
26	0.4	1.3	2.2	3.4	7.0	6.2	2.3	8.9	4.9	2.3	1.7	0.8
27	0.3	1.2	1.9	2.9	6.7	5.9	1.7	8.6	4.5	2.3	1.7	0.9
28	0.3	1.2	1.9	2.6	6.5	5.3	1.6	8.3	4.3	2.3	1.7	0.9
29	0.2	1.2	1.7	2.4	9.5	5.0	1.6	8.3	4.3	2.3	1.4	0.9
30	0.2	1.3	1.19	2.2		4.9	1.6	8.0	4.1	2.3	1.3	0.9
31	0.3	5.8	2.0			4.6		8.0		2.2	1.3	
	7.6		297.1		285.8		806		171.8		55.8	
		41.9		2036.6		1636.5		351.2		87.7		30.5
MEAN	0.25	1.40	9.58	65.7	9.86	52.8	26.9	11.3	5.73	2.83	1.83	1.02
ACRE- FEET	35.	83.	589.	4040.	567.	3250.	1600.	607.	341.	174.	113.	60.

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 15.9 11530.

72074M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UI-R

Daily discharge, in second-feet of ARROYO SECO above Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	1.0	5.7	7.8	2.6	2.3	1.7	2.2	1.2	1.1	0.3	0.4
2	0.9	1.1	2.0	6.5	2.5	2.5	1.7	2.2	1.2	0.9	0.3	0.4
3	0.8	0.9	6.5	7.1	2.5	2.5	1.7	1.9	1.2	0.8	0.3	0.4
4	0.8	1.0	3.9	6.0	2.3	2.1	1.7	1.7	1.2	0.8	0.3	0.4
5	0.8	1.1	3.5	5.8	1.8	1.9	1.7	1.6	1.2	0.8	0.3	0.4
6	0.8	1.1	2.3	6.2	1.7	1.9	1.8	1.4	1.1	0.9	0.3	0.3
7	0.8	1.3	3.1	1.2	1.7	1.8	1.8	1.3	1.1	0.9	0.3	0.3
8	0.8	1.8	3.1	8.9	1.7	1.8	1.6	1.3	1.1	0.8	0.3	0.3
9	0.7	1.4	3.1	7.5	1.8	1.7	1.6	1.3	1.1	0.7	0.3	0.3
10	0.7	1.3	3.1	6.2	1.7	1.8	1.6	1.3	1.1	0.7	0.2	0.3
11	0.7	1.4	3.0	6.7	1.8	1.9	1.6	1.2	1.2	0.7	0.2	0.3
12	0.7	1.4	3.0	7.8	1.9	1.9	1.6	1.3	1.2	0.7	0.2	0.3
13	0.7	1.4	2.8	7.0	1.9	1.9	1.7	1.4	1.1	0.6	0.2	0.3
14	0.8	2.6	2.8	6.4	2.1	1.9	1.9	1.4	1.1	0.6	0.2	0.3
15	0.8	1.3	2.8	5.8	2.2	1.8	2.0	1.5	1.1	0.6	0.2	0.3
16	0.7	1.0	2.8	5.5	2.2	1.8	1.9	1.4	1.2	0.6	0.2	0.3
17	0.8	5.1	2.8	5.3	2.1	1.9	1.8	1.4	1.2	0.6	0.2	0.3
18	0.8	3.0	3.0	5.3	1.9	1.8	1.6	1.4	1.2	0.6	0.2	0.3
19	0.9	2.5	3.0	5.1	1.9	2.2	1.8	1.4	1.1	0.6	0.2	0.3
20	0.9	2.5	3.1	5.1	1.9	2.2	1.8	1.4	1.1	0.6	0.2	0.3
21	0.9	2.3	1.0	4.9	1.9	3.0	2.1	1.4	1.0	0.5	0.2	0.3
22	1.0	2.3	6.5	4.9	1.9	2.1	2.1	1.4	1.0	0.4	0.2	0.3
23	1.0	2.5	3.9	4.7	2.1	1.7	2.1	1.4	1.0	0.4	0.2	0.3
24	1.0	2.5	4.3	4.5	2.1	1.6	2.1	1.4	1.1	0.4	0.2	0.3
25	1.0	2.5	4.5	4.3	2.2	1.6	2.3	1.4	1.2	0.4	0.2	0.3
26	1.0	2.5	4.3	4.1	2.2	1.6	2.5	1.4	1.1	0.3	0.2	0.3
27	1.0	2.5	4.1	3.9	2.1	1.6	3.1	1.4	1.1	0.3	0.2	0.3
28	1.0	2.5	5.3	3.7	2.2	1.7	2.6	1.4	1.1	0.3	0.2	0.3
29	1.0	2.5	5.1	3.5		1.9	2.5	1.4	1.1	0.3	0.2	0.3
30	1.0	2.5	6.4	3.2		1.9	2.4	1.3	1.1	0.3	0.2	0.3
31	1.0	1.2		3.0		1.8		1.2		0.3	0.4	
	26.7		168.7		56.9		38.8		33.7		7.7	
		7.9		178.7		65.7		45.1		18.3		9.5
MEAN	0.86	2.63	5.44	5.76	2.03	2.12	1.96	1.45	1.12	0.59	0.25	0.32
ACRE- FEET	53	157	335	354	113	130	117	89	67	36	15	19

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 2.05 1480.

767134 F. C. Dist. 22 2-52

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, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.6	5.0	2.5	12.0	0	0	0	0	0
2	0	0	0	2.6	3.0	4.0	10.0	0	0	0	0	0
3	0	0	0	2.2	1.1	2.8	8.0	0	0	0	0	0
4	0	0	0	2.3	0	2.5	3.5	0	0	0	0	0
5	0	0	2.7	2.2	0	3.0	2.0	0	0	0	0	0
6	0	0	6.6	7.0	0	3.2	2.0	0	0	0	0	0
7	0	0	8.0	0	0	1.4	1.0	0	0	0	0	0
8	0	0	8.0	0	0	1.2	1.9	0	0	0	0	0
9	0	0	3.0	0	0	6.5	0.1	0	0	0	0	0
10	0	0	0	3.5	0	3.0	10.0	0	0	0	0	0
11	0	0	0	2.3	0	4.3	0.1	0	0	0	0	0
12	0	0	0	1.1	0	3.2	0.1	0	0	0	0	0
13	0	0	2.6	31.6	0	2.8	0.1	0	0	0	0	0
14	0	0	7.8	10.4	0	16.2	0.1	0	0	0	0	0
15	0	0	7.2	5.7	0	5.3	0.1	0.1	0	0	0	0
16	0	0	2.4	6.7	0	4.9	0.1	0.2	0	0	0	0
17	0	0	0	5.4	0	3.9	0	0.3	0	0	0	0
18	0	0	0	7.8	0	16.9	0	0.4	0	0	0	0
19	0	0	0	31.4	0	7.6	0	0.5	0	0	0	0
20	0	0	0	15.3	0	4.7	0	0.6	0	0	0	0
21	0	0	0	11.1	0	4.7	0	0	0	0	0	0
22	0	0	0	1.8	0	3.8	0	0.8	0	0	0	0
23	0	0	0	3.0	0	3.1	0	0.7	0	0	0	0
24	0	0	0	2.6	0	2.9	0	0.7	0	0	0	0
25	0	0	0	3.4	0	3.7	0.2	0.6	0	0	0	0
26	0	0	0	19.4	0	3.8	17.1	0.5	0	0	0	0
27	0	0	0	19.4	0	3.5	0.1	0.4	0	0	0	0
28	0	0	0	19.4	0	3.6	0.1	0.4	0	0	0	0
29	0	0	0	18.6	0	3.0	0.1	0.3	0	0	0	0
30	0	0	16.9	19.4	0	2.6	0	0.2	0	0	0	0
31	0	0	14.1	12.5	0	16.0	0.1	0	0	0	0	0
	0	0	34.5	30.1	1.9	81.1	0	7.6	0	0	0	0

			206.2	9.1	94.8	0						
MEAN	0	0	6.65	112.2	0.31	63.9	3.16	0.22	0	0	0	0
ACRE- FEET	0	0	409.	6900.	18.	3970.	188.	15.	0	0	0	0
Remarks:									YEAR OR PERIOD	MEAN ACRE-FEET		15.9 11460.

767134 C 2 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F277-R

Daily discharge, in second-feet of ARROYO SECO below Devil's Gate Dam for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	a	0	0	0	0	0	0	0
2	0	0	0	0	a	0	0	0	0	0	0	0
3	0	0	0	0	a	0	0	0	0	0	0	0
4	0	0	0	0	a	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	2.5	0	0	0	0	0	0	0	0
8	0	0	0	11.8	0	0	0	0	0	0	0	0
9	0	0	0	11.2	0	0	0	0	0	0	0	0
10	0	0	0	10.0	0	0	0	0	0	0	0	0
11	0	0	0	3.5	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	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	a	0	0	0	0	0	0	0	0
30	0	0	0	a	0	0	0	0	0	0	0	0
31	0	0	0	a	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	+	0	0	0

				38.8	0	0	0	0	+	0	0	0
MEAN	0	0	0	1.3	0	0	0	0	+	0	0	0
ACRE- FEET	0	0	0	77.	0	0	0	0	+	0	0	0
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	0.11 77.

STATION F298-R
BALLONA CREEK at Curson Avenue

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

DRAINAGE AREA: 25.42 SQUARE MILES.

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

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

RECORDER: INSTALLED MARCH 17, 1942. A STEVENS TYPE F WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO MARCH 21, 1952. AN H.C.F. RECORDER WAS IN SERVICE FROM MARCH 21, 1952 TO SEPTEMBER 30, 1953.

REGULATION: HOLLYWOOD RESERVOIR AND SILVER LAKE RESERVOIR.

DIVERSIONS: NONE.

RECORDS AVAILABLE: STORM FLOW RECORDS ARE AVAILABLE FROM MARCH 17, 1942 TO SEPTEMBER 30, 1953. DAILY FLOW RECORDS ARE AVAILABLE DECEMBER 2, 1949 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 5060 SECOND-FEET MARCH 15.
MINIMUM 1.2 SECOND-FEET DECEMBER 27.
1952-53
MAXIMUM 4310 SECOND-FEET NOVEMBER 15.
MINIMUM 1.2 SECOND-FEET DECEMBER 23 TO 26.
1942-53
MAXIMUM OF RECORD 5060 SECOND-FEET MARCH 15, 1952.
MINIMUM OF RECORD 1.2 SECOND-FEET AT VARIOUS TIMES.

ACCURACY: FAIR

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

DISCHARGE MEASUREMENTS OF BALLONA CREEK
AT CURSON AVENUE DURING THE YEAR ENDING SEPTEMBER 30, 1950

DISCHARGE MEASUREMENTS OF BALLONA CREEK
AT CURSON AVENUE DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	3-2	0929 0927	BOLLINGER	40.0	17.8	3.08	0.32	54.9	.6	15	0	-.06	FC6
2	3-23	1117 1130	"	38.0	5.56	0.79	0.16	4.4	FLOATS	6	0		
3	3-30	1210 1222	"	37.5	6.60	0.82	0.13	5.4	"	7	0		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
18	10-2	0608 0605	BOLLINGER	36.9	12.4	1.52	0.36	18.9	.6	14	0	-.11	FC6
19	10-30	0655 0656	"	39.2	5.50	0.48	0.16	2.7	SURF.	14	0	+.01	"
20	11-13	0825 0824	"	38.9	4.80	0.46	0.14	2.2	SURF.	15	0	-.01	"

DISCHARGE MEASUREMENTS OF BALLONA CREEK
AT CURSON AVENUE DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
4	11-9	0850 0820	BOLLINGER	40.0	23.8	2.99	0.49	71.2	.6	15	0	FC6	
5	11-16	1107 1136	"	40.0	23.5	3.17	0.50	74.5	.6	16	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
21	11-26	1000 1017	"	37.2	3.88	0.62	0.08	2.4	.5	14	0	FC49	
22	12-11	0946 1010	"	38.2	3.88	0.63	0.10	2.7	.5	19	0	"	
23	1-22	0930 0925	"	38.5	20.2	-2.70	0.45	54.6	.6	18	0	FC6	

DISCHARGE MEASUREMENTS OF BALLONA CREEK
AT CURSON AVENUE DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
6	5-8	1100 1126	BOLLINGER	38.5	7.96	0.76	0.17	6.1	.6	17	0	FC49	
7	5-15	0940 1000	"	34.2	5.25	0.65	0.14	3.4	.5	14	0	"	
8	5-22	0927 0950	"	38.8	7.11	0.60	0.18	4.3	.6	15	0	"	
9	5-29	1451 1519	THOMAS	38.0	6.22	0.84	0.17	5.2	.5	16	0	-.02	"
10	6-12	0930 1000	BOLLINGER	38.1	7.70	1.17	0.20	9.0	.6	17	0	"	
11	6-26	0757 0820	"	37.2	7.03	0.63	0.19	4.4	.6	14	0	"	
12	7-10	0835 0835	"	38.2	7.48	0.69	0.18	5.2	.6	13	0	+.01	"
13	7-24	1040 1104	THOMAS	38.8	10.0	0.76	0.28	7.6	.5	12	0	-.01	FC42
14	8-7	0843 0802	BOLLINGER	36.8	7.70	0.51	0.22	3.9	SURF.	14	0	FC6	
15	8-21	0820 0839	"	39.2	8.30	0.49	0.22	4.1	SURF.	13	0	"	
16	9-11	0897 0897	"	38.3	5.94	0.42	0.18	2.5	SURF.	15	0	-.01	"
17	9-25	0807 0827	"	38.6	6.27	0.64	0.17	4.0	SURF.	14	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
24	2-19	0818 0818	"	37.4	6.84	1.10	0.18	7.5	FLOAT	11	0	-.03	"
25	2-26	0953 1000	BOLLINGER-DE MARS	37.0	4.64	1.05	0.13	4.4	"	13	0	"	
26	3-5	0840 0850	BOLLINGER	37.0	4.20	0.98	0.13	4.2	"	12	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
27	3-12	0735 0836	"	36.7	5.01	0.96	0.12	4.8	"	11	0	"	
28	3-19	0849 0846	HYDE-BOLLINGER	36.6	6.43	0.84	0.14	5.4	"	10	0	"	
29	3-26	0820 0830	"	38.4	5.28	0.85	0.12	4.5	"	13	0	"	
30	4-2	0810 0810	"	38.3	5.26	0.74	0.11	3.9	"	13	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
31	4-9	0825 0840	HYDE	38.5	4.94	0.91	0.12	4.5	"	14	0	"	
32	4-16	0815 0840	"	38.0	5.99	0.89	0.15	5.3	"	13	0	"	
33	4-23	0840 0852	"	38.0	3.31	1.06	0.09	3.5	"	11	0	-.01	"
34	4-30	0900 0912	HYDE-LINDSAY	37.5	4.76	0.90	0.08	4.3	"	14	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
35	5-7	0848 0856	HYDE	38.0	4.61	0.99	0.08	4.3	"	12	0	+.01	"
36	5-14	0830 0845	"	37.5	4.45	0.76	0.11	3.4	"	13	0	-.01	"
37	5-21	0825 0830	"	37.5	4.84	0.76	0.12	3.7	"	12	0	-.01	"
38	5-28	0830 0842	"	38.0	5.66	0.69	0.12	3.9	"	12	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
39	6-4	0845 0857	BOLLINGER	37.2	5.48	0.74	0.13	4.1	"	12	0	"	
40	6-11	0822 0835	"	39.2	7.18	0.74	0.16	5.3	"	13	0	"	
41	6-18	0825 0835	"	33.8	5.83	0.65	0.13	3.8	"	11	0	"	
42	6-25	0738 0748	"	34.6	6.17	0.81	0.15	5.0	"	13	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
43	7-2	0747 0757	"	32.8	5.94	0.79	0.14	4.7	"	11	0	+.02	"
44	7-9	0740 0750	"	31.4	5.95	0.74	0.15	4.4	"	11	0	"	
45	7-16	0811 0820	"	31.4	5.98	0.84	0.16	5.0	"	10	0	"	
46	7-23	0802 0848	HYDE	38.0	7.15	0.60	0.16	4.3	"	12	0	-.01	"
47	7-30	0840 0850	"	38.0	4.25	0.80	0.10	3.4	"	12	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REC.	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. IND.	METH. DO.	MEAS. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
48	8-6	0803 0812	BOLLINGER	37.2	6.56	0.79	0.18	5.2	"	12	0	-.01	"
49	8-13	0824 0841	"	34.6	6.56	0.62	0.16	4.1	"	12	0	"	
50	8-20	0822 0830	"	36.2	6.56	0.78	0.18	5.1	"	11	0	"	
51	8-27	0815 0822	"	36.6	5.61	0.73	0.16	4.1	"	12	0	"	
52	9-3	0825 0835	"	36.4	5.85	0.75	0.16	4.4	"	12	0	"	
53	9-10	0738 0808	"	37.1	6.57	0.79	0.16	5.2	"	10	0	"	
54	9-17	0810 0822	"	36.0	6.26	0.83	0.17	5.2	"	13	0	"	
55	9-24	0745 0756	"	36.2	5.70	0.70	0.15	4.0	"	12	0	"	

72074M F. C. Dist. 22 9-30

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F238-R

Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	6.4	118	1.8	1.8	51	7.3	5.4	5.4	8.2	6.4	1.6
2	1.6	5.4	10.6	1.8	1.8	2.7	7.3	4.5	8.2	4.5	4.5	1.8
3	1.6	5.4	2.7	1.7	1.6	1.6	13.1	4.5	8.2	8.2	4.5	4.5
4	1.6	4.5	88	1.6	1.6	2.7	11	4.5	7.3	6.4	5.4	2.7
5	1.4	3.6	88	1.8	2.7	2.7	9.2	7.3	9.2	9.2	7.3	4.5
6	1.4	2.7	1.8	1.5	3.6	7.3	8.2	6.4	6.4	9.2	7.3	5.4
7	1.4	2.7	1.8	94	3.6	723	99	8.2	8.2	12.8	12.8	2.7
8	1.6	3.6	1.8	14.4	3.6	10.8	9.2	6.4	3.6	16.4	9.2	4.5
9	1.6	4.5	1.7	1.8	2.7	4.5	7.3	7.3	5.4	10.1	7.3	5.4
10	2.7	2.7	1.7	1.6	2.7	4.8	8.7	7.3	5.4	8.2	6.4	3.6
11	1.8	1.8	2.3	1.8	4.5	5.4	7.3	7.3	9.2	14.6	8.2	3.6
12	2.7	1.8	106	386	3.6	20	7.3	5.4	9.2	14.6	8.2	3.6
13	3.6	3.6	106	85	4.5	10	5.4	4.5	11	8.2	6.4	3.4
14	2.7	4.5	1.6	2.7	3.6	5.4	6.4	2.3	11	9.2	8.2	1.4
15	3.6	1.8	1.6	994	3.6	888	8.2	4.5	12.8	11	10.1	2.7
16	4.5	2.7	1.4	6566	7.3	160	5.4	5.4	14.6	8.2	4.5	2.7
17	4.5	3.6	3.6	6707	3.6	18.2	11.7	7.3	14.6	11.3	3.6	3.6
18	4.5	1.6	1.8	678	11	11	6.4	3.6	11	6.4	4.5	5.4
19	4.5	1.6	4.5	32	5.4	35	2.3	5.4	10.1	5.4	4.5	15.2
20	3.6	7.4	3.6	20	5.4	8.2	3.6	5.4	10.1	4.5	4.5	6.4
21	2.7	2.6	3.6	11	5.4	8.2	3.6	4.5	8.2	7.3	7.3	4.5
22	2.7	3.6	2.7	11	9.9	10.1	4.5	5.4	4.5	5.4	6.4	6.4
23	1.8	3.6	1.6	11	5.4	10.1	6.4	4.5	9.2	4.5	3.6	8.2
24	3.7	2.7	1.5	2.9	5.4	8.2	7.3	5.4	5.4	4.5	1.6	6.4
25	3.1	2.7	1.4	1.2	1.2	8.2	7.3	5.4	6.4	5.4	6.4	6.4
26	7.3	2.7	1.4	6.4	6.4	9.2	7.3	7.3	6.4	1.8	2.7	6.4
27	6.4	2.7	1.2	4.5	9.2	7.3	2.7	9.2	7.3	2.7	1.8	6.4
28	6.4	2.7	1.6	3.6	9.2	10.1	3.6	10.1	3.6	5.4	2.7	5.4
29	5.4	6.4	545	4.5	144	10.1	3.6	6.4	3.6	5.4	2.7	9.2
30	5.4	6.4	174	4.5	2.7	7.3	3.6	5.4	7.3	6.4	4.5	10.8
31	5.4	6.4	3.6	2.7	2.7	7.3	3.6	5.4	7.3	6.4	4.5	1.4
	214.2	335.3	1247.4	3823.8	277.7	2180.5	463	186.9	239	239.9	164.3	155.8

MEAN	6.91	11.2	40.2	123.	9.98	70.3	15.4	6.03	7.97	7.74	5.30	5.19
ACRE- FEET	425.	665.	2470.	7580.	551.	4720.	918.	371.	475.	476.	326.	200.

Remarks:

YEAR MEAN 26.0
OR PERIOD ACRE-FEET 18880.

72074M F. C. Dist. 22 9-30

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F238-R

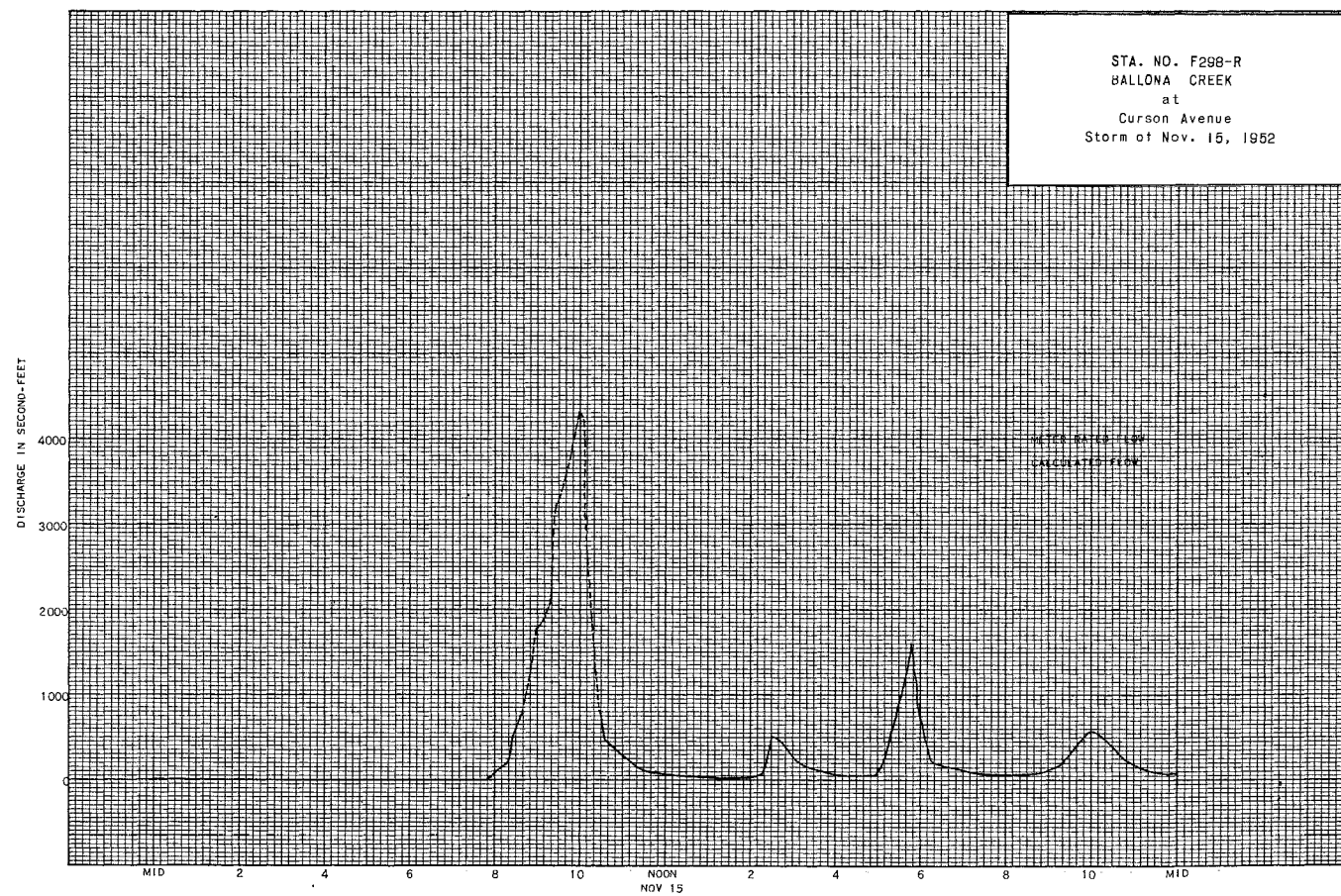
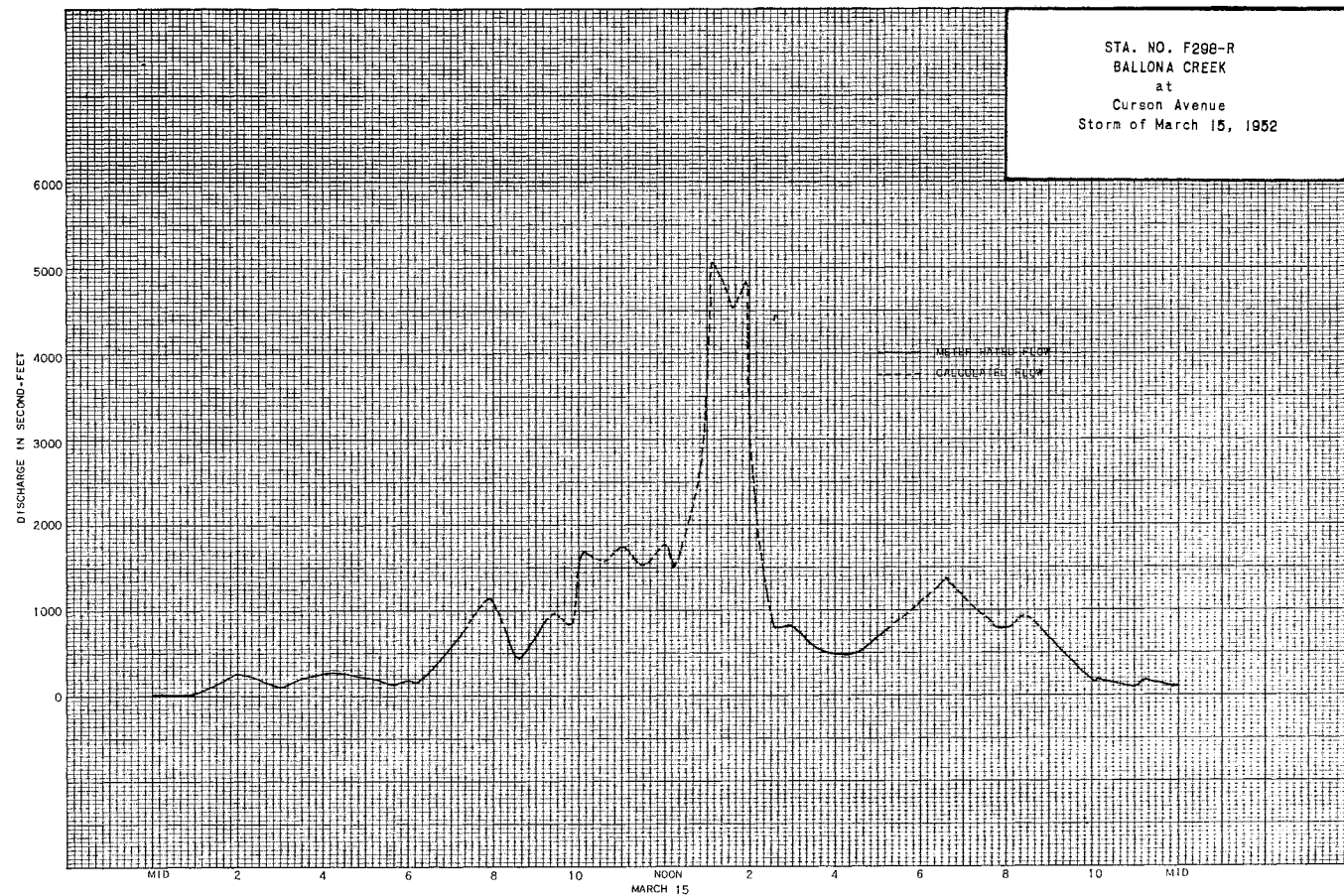
Daily discharge, in second-feet of BALLONA CREEK at Curson Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.8	4.5	147	1.8	1.8	19.6	8.2	6.4	10.1	7.3	6.4	7.3
2	12.5	3.6	6.6	1.8	3.6	5.4	6.4	7.3	4.5	7.3	4.5	6.4
3	6.4	4.5	1.8	1.8	4.5	3.6	6.4	5.4	5.4	6.4	6.4	6.4
4	6.4	4.5	1.8	1.8	4.5	4.5	6.4	5.4	7.3	2.7	8.2	7.3
5	7.3	2.7	5.5	1.8	3.6	4.5	6.4	5.4	8.2	3.6	6.4	4.5
6	6.4	4.5	9.2	7.2	4.5	4.5	6.4	5.4	5.4	6.4	6.4	4.5
7	3.6	7.3	6.4	4.6	4.5	4.5	6.4	8.2	5.4	5.4	6.4	5.4
8	6.4	5.8	2.7	2.1	4.5	3.6	6.4	7.3	7.3	9.2	7.3	5.4
9	4.5	1.8	2.7	3.6	4.5	4.5	5.4	6.4	5.4	7.3	3.6	7.3
10	7.3	1.6	2.7	2.7	6.4	7.3	6.4	4.5	7.3	7.3	7.3	6.4
11	6.4	1.8	2.7	2.7	5.4	5.4	4.5	6.4	9.2	6.4	5.4	6.4
12	6.4	5.4	2.7	2.7	6.4	5.4	4.5	7.3	9.2	4.5	4.5	11.0
13	6.4	1.8	2.7	7.8	4.5	3.6	6.4	5.4	8.2	7.3	7.3	9.2
14	6.4	125	2.7	2.7	4.5	4.5	6.4	5.4	7.3	3.6	6.4	10.1
15	8.2	339	4.5	1.8	4.5	2.7	6.4	5.4	7.3	6.4	7.3	6.4
16	4.5	12.6	4.5	34	9.2	5.4	6.4	5.4	6.4	6.4	5.4	5.4
17	4.5	1.8	14.8	70	10.4	8.2	3.6	3.6	6.4	8.2	7.3	6.4
18	4.5	1.8	3.6	70	12.0	6.4	3.6	4.5	4.5	6.4	5.4	8.2
19	4.5	1.8	4.5	55	9.8	3.7	2.7	7.3	5.4	5.4	6.4	8.2
20	4.5	1.8	284	63	9.0	2.7	7.2	5.4	3.6	7.3	8.2	6.4
21	1.8	1.8	1.8	75	8.7	5.4	8.2	5.4	4.5	4.5	5.4	6.4
22	1.8	125	1.8	59	12.5	4.5	4.5	6.4	8.2	5.4	5.4	5.4
23	3.6	4.3	1.2	3.7	2.2	7.3	4.5	6.4	7.3	6.4	6.4	4.5
24	5.4	2.7	1.2	4.5	8.2	9.2	5.4	6.4	9.2	5.4	6.4	4.5
25	5.4	2.7	1.2	4.5	6.4	9.2	4.5	7.3	6.4	5.4	6.4	4.5
26	3.6	3.6	1.2	4.5	5.4	9.2	4.5	7.3	10.1	7.3	9.2	4.5
27	3.6	1.8	20	6.4	4.5	8.2	11.5	4.5	7.3	7.3	6.4	4.5
28	1.8	1.8	100	7.3	7.3	8.2	7.3	6.4	8.2	6.4	6.4	4.5
29	1.4	5.2	2.7	3.6	7.3	7.3	5.4	7.3	8.2	5.4	8.2	7.3
30	4.5	11.2	111	3.6	7.3	6.4	6.4	6.4	10.1	5.4	4.5	6.4
31	3.6	4.2	2.7	2.7	7.3	7.3	6.4	6.4	5.4	5.4	4.5	6.4
	167.4	792.7	759.4	742.3	194.0	250.7	347.0	188.0	215.2	189.1	199.3	195.8

MEAN	5.4	26.4	24.5	23.9	6.92	8.08	11.6	6.06	7.17	6.10	6.43	6.53
ACRE- FEET	332.	1570.	1510.	1470.	385.	497.	688.	373.	427.	375.	395.	388.

Remarks:

YEAR MEAN 11.6
OR PERIOD ACRE-FEET 8410.



STATION F294-R
BALLONA CREEK at Sepulveda Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}00'00''$, LONG. $118^{\circ}24'02''$, ON THE DOWNSTREAM SIDE OF SEPULVEDA BOULEVARD BRIDGE, ABOUT 1.3 MILES SOUTH OF CULVER CITY, ELEVATION OF ZERO GAGE HEIGHT, 14.98 FEET.

CHANNEL AND CONTROL: CHANNEL - HEAVY ADOBE OVERLAID WITH COARSE GRAVEL AND SAND, WITH ROCK-PAVED GUNITED LEVEES ON A 3 TO 1 SLOPE. CONTROL - A CONCRETE STABILIZER WAS INSTALLED IN DECEMBER 1946 ABOUT 80 FEET DOWNSTREAM FROM STATION.

RECORDS AVAILABLE: CONTINUOUS WATER-STAGE RECORDER RECORDS DURING STORM SEASON ONLY, FROM APRIL 15, 1948 TO APRIL 30, 1953.

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

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

STATION F38B-R
BALLONA CREEK at Sawtelle Boulevard

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

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

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

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

RECORDER: INSTALLED AT STATION F38-R FEBRUARY 27, 1928. RECORDER REMOVED APRIL 27, 1936. INSTALLED AT STATION F38B-R MAY 14, 1936 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO FEBRUARY 16, 1953. A STEVENS A-35 RECORDER WAS IN SERVICE FROM FEBRUARY 16, 1953 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

1951-52	MAXIMUM 12020 SECOND-FEET, JANUARY 16.
	MINIMUM 3.5 SECOND-FEET, NOVEMBER 25.
1952-53	MAXIMUM 11520 SECOND-FEET, NOVEMBER 15.
	MINIMUM 4.2 SECOND-FEET, DECEMBER 25.
1928-53 (STATIONS F38-R AND F38B-R)	MAXIMUM 19000 SECOND-FEET, MARCH 2, 1938.
	MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BALLONA CREEK
 AT NEAR Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF BALLONA CREEK
 AT NEAR Sawtelle Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INB	METH. CD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
2143	10-4	1155 1208	BOLLINGER	6.7	9.46	0.64	1.90	6.1	.6	12	0	FC6	
2146	10-11	1157 1272	"	9.3	9.18	0.75	1.96	6.9	.6	13	0	"	
2147	10-18	1322 1342	"	10.9	11.5	0.94	1.98	10.8	.6	15	0	"	
2148	10-25	1145 1202	"	9.2	14.0	1.44	2.36	20.2	.6	13	0	"	
2149	11-1	1100 1117	"	9.9	7.10	0.66	1.68	6.1	.6	14	0	"	
2150	11-8	1122 1140	"	13.3	7.69	0.68	1.85	5.2	.6	15	0	"	
2151	11-15	1105 1120	"	9.4	7.03	0.85	1.68	6.0	.6	13	0	"	
2152	11-23	1110 1122	"	6.8	4.64	2.02	1.96	9.6	.6	10	+04	"	
2153	11-29	1113 1126	"	6.7	3.22	0.56	1.81	1.8	.6	10	0	"	
2154	12-6	1228 1243	"	7.3	5.15	1.03	1.83	5.3	.6	11	0	"	
2155	12-13	1123 1136	"	6.6	5.75	1.46	1.68	8.4	.6	11	0	"	
2156	12-20	1125 1138	"	7.6	4.62	1.32	1.84	6.1	.6	11	0	"	
2157	12-27	1042 1055	"	7.2	4.61	1.04	1.81	4.8	.6	10	0	"	
2158	12-29	1114 1145	BOLLINGER-ROBBINS	112.	617.	10.6	10.22	6550.	.6	11	-1.05	"	
2159	1-4	1328 1342	BOLLINGER	12.5	5.16	1.36	2.48	7.0	.6	14	0	"	
2160	1-10	1123 1223	"	8.0	3.3L	1.66	2.37	5.5	.6	11	0	"	
2161	1-17	2016 2047	BOLLINGER-BROWN	95.0	367.	7.25	7.45	2660.	.6	12	-38	FC20	
2162	1-18	0120 0200	"	128.	978.	11.2	12.90	11000.	.6	11	-20	"	
2163	1-18	0435 0500	"	109.	644.	8.98	9.35	5780.	.6	11	-76	"	
2164	1-31	1116 1133	THOMAS	11.7	5.88	1.68	1.90	9.9	.6	10	0	FC42	
2165	2-7	0919 0933	"	TWO CHANNELS			1.89	8.0	.6	15	0	"	
2166	2-14	1145 1237	"	19.9	10.3	0.73	1.89	7.5	.6	10	0	"	
2167	2-21	1230 1245	"	19.9	9.49	0.85	1.87	8.1	.6	9	0	"	
2168	3-6	1230 1246	BOLLINGER	13.5	9.37	0.73	1.85	6.8	.6	12	0	FC6	
2169	3-14	1200 1213	"	19.8	10.1	1.25	2.02	12.6	.6	13	0	"	
2170	3-15	1490 1422	BOLLINGER-BROWN	115.	691.	9.52	10.42	6580.	.6	10	-2.27	"	
2171	3-20	1253 1318	BOLLINGER	38.5	21.3	1.57	2.24	33.4	.6	18	0	"	
2172	3-28	1040 1101	"	28.6	12.6	1.14	2.00	14.4	.6	18	0	"	
2173	4-3	1040 1102	"	26.2	11.5	1.00	1.97	11.5	.6	19	0	"	
2174	4-10	1347 1402	"	42.8	52.2	1.71	2.65	89.3	.6	13	+02	"	
2175	4-17	1332 1354	"	18.6	10.6	1.13	1.96	12.0	.6	16	+02	"	
2176	4-24	1430 1422	"	30.0	11.5	0.91	1.93	10.5	.6	18	0	"	
2177	5-1	1215 1236	"	29.7	11.1	1.04	1.95	11.5	.6	18	+02	"	
2178	5-8	1322 1322	"	21.1	11.2	0.83	1.92	9.3	.6	17	0	FC49	
2179	5-15	1247 1308	"	27.0	11.0	0.94	1.92	10.4	.6	17	0	"	
2180	5-22	1135 1157	"	22.6	10.6	0.63	1.90	6.7	.6	17	0	"	
2181	5-29	1611 1639	THOMAS	45.7	17.4	0.93	1.98	16.2	.6	19	0	FC42	
2182	6-5	1115 1135	BOLLINGER	TWO CHANNELS			1.92	7.0	.6	21	0	FC49	
2183	6-12	1227 1250	"	26.8	11.3	1.02	2.00	11.5	.6	16	0	"	
2184	6-19	1008 1030	"	25.7	10.6	0.85	1.96	9.0	.6	17	0	FC40	
2185	6-26	1025 1048	"	25.0	9.13	0.71	1.94	6.5	.6	17	0	FC6	
2186	7-3	1415 1435	"	26.9	14.6	1.65	2.04	16.8	.6	15	+11	"	
2187	7-10	1045 1102	"	25.0	9.51	0.72	1.92	6.8	.6	13	+01	"	
2188	7-17	1005 1035	THOMAS	42.2	14.0	0.61	1.94	8.6	.6	21	0	FC42	
2189	7-24	1305 1312	"	46.4	23.6	0.64	2.00	15.2	.6	20	+03	"	
2190	8-1	1047 1105	BOLLINGER	24.5	12.0	0.79	1.98	9.5	.6	18	0	FC6	
2191	8-7	1105 1127	"	27.6	11.8	0.73	1.94	8.6	.6	19	0	"	
2192	8-14	1130 1052	"	26.2	12.2	0.72	1.94	8.8	.6	17	0	"	
2193	8-21	0938 0958	"	25.4	10.1	0.50	1.90	5.1	.6	17	0	"	
2194	8-28	0927 0952	HYDE-BOLLINGER	29.5	11.1	0.55	1.90	6.1	.6	15	0	"	
2195	9-4	0933 0958	BOLLINGER	27.8	11.5	0.90	1.94	10.4	.6	21	0	"	
2196	9-11	1022 1040	"	18.0	6.16	0.89	1.90	5.5	.6	14	0	"	
2197	9-18	0947 1005	"	18.5	6.59	0.96	1.89	6.3	.6	15	+01	"	
2198	9-25	0922 0953	"	27.0	11.8	0.71	1.90	8.4	.6	17	+01	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INB	METH. CD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
2199	10-2	1010 1033	BOLLINGER	44.1	25.7	1.55	2.19	39.9	.6	18	-10	FC6	
2200	10-9	0930 0938	"	12.0	4.40	1.14	1.88	5.0	.6	14	0	"	
2201	10-16	1045 1100	"	20.7	10.4	0.97	1.94	10.1	.6	15	-01	"	
2202	10-23	0950 1006	"	20.2	9.76	0.78	1.91	7.6	.6	14	0	"	
2203	10-30	0955 1012	"	19.4	9.14	0.75	1.91	6.8	.6	14	0	"	
2204	11-6	0930 0935	"	19.0	8.93	0.59	1.89	5.3	.6	13	+01	"	
2205	11-13	1032 1056	"	29.5	11.4	0.65	1.89	7.4	.6	16	0	"	
2206	11-20	1037 1023	"	14.7	5.97	1.34	1.98	8.0	.6	12	0	"	
2207	11-26	1145 1200	"	11.0	6.15	1.33	1.93	6.2	.6	13	0	"	
2208	12-4	1017 1035	"	16.5	6.73	1.13	2.01	7.6	.6	15	0	"	
2209	12-11	1100 1117	"	17.0	8.71	0.71	1.97	6.2	.6	14	0	FC49	
2210	12-18	0934 1002	"	12.2	8.77	0.80	1.96	7.0	.6	13	+01	FC6	
2211	12-16	1030 1037	"	18.0	5.53	0.94	1.89	5.2	.6	16	+03	"	
2212	12-31	1033 1036	"	9.0	6.64	1.49	1.99	9.9	.6	11	-02	"	
2213	1-8	1007 1027	"	53.5	77.7	2.66	3.26	207.	.6	10	+01	"	
2214	1-15	1032 1047	"	11.6	5.96	1.21	2.05	7.2	.6	12	-02	"	
2215	1-22	1118 1136	"	48.1	44.8	1.05	2.36	47.1	.6	26	-16	"	
2216	1-30	1124 1138	BOLLINGER-WOOD	27.0	15.8	0.64	1.98	10.1	.6	15	0	"	
2217	2-5	1002 1019	BOLLINGER	13.0	7.97	0.87	1.94	6.9	.6	13	0	"	
2218	2-11	1232 1250	"	11.5	5.96	1.20	1.96	7.2	.6	13	-01	"	
2219	2-19	0927 0943	BOLLINGER-WHISLER	28.0	17.3	0.92	2.08	16.0	.6	18	0	"	
2220	2-26	1045 1053	BOLLINGER-DE MARIS	25.0	10.4	0.85	1.95	8.8	.6	14	0	"	
2221	3-5	1010 1025	BOLLINGER	27.0	8.53	0.89	1.92	7.6	.6	14	0	"	
2222	3-12	0920 0940	"	27.1	7.93	0.71	1.90	5.6	.6	15	0	"	
2223	3-19	0946 1000	HYDE-BOLLINGER	27.0	10.6	0.83	1.96	8.8	.6	12	0	"	
2224	3-26	0945 1005	"	26.7	13.3	0.74	2.00	9.8	.6	18	+01	"	
2225	4-2	1033 1038	"	10.0	4.68	1.03	1.93	4.8	.6	12	0	"	
2226	4-9	0945 1000	HYDE	7.10	4.18	1.46	1.93	6.1	.6	10	0	FC35	
2227	4-16	0920 0936	"	7.4	3.87	1.24	1.92	4.8	.6	11	0	"	
2228	4-20	0954 1025	"	51.0	51.1	1.94	2.69	99.0	.5	13	-12	"	
2229	4-23	1018 1037	"	22.0	10.9	0.79	1.99	8.6	.6	14	+02	"	
2230	4-30	1027 1045	HYDE-LINDSAY	6.6	5.54	1.06	1.96	5.8	.6	12	0	"	
2231	5-7	0940 0955	HYDE	10.5	6.67	1.11	1.90	7.4	.6	13	0	"	
2232	5-14	0935 1000	"	26.0	15.9	0.96	2.01	15.2	.6	15	+02	"	
2233	5-21	0935 0930	"	10.5	6.47	1.02	1.91	6.6	.6	13	0	"	
2234	5-28	1035 1053	"	10.5	6.43	1.14	1.90	7.3	.6	13	0	"	
2235	6-4	0954 1015	BOLLINGER	23.7	10.1	0.89	1.92	8.7	.6	17	-03	FC6	
2236	6-11	0930 0947	"	11.0	4.47	1.11	1.90	5.0	.6	13	0	"	
2237	6-18	0955 1015	"	20.0	11.8	0.70	1.97	8.3	.6	14	0	"	
2238	6-25	0945 0950	"	19.5	8.93	0.66	1.96	5.9	.6	17	+01	"	
2239	7-2	0930 0937	"	21.0	12.7	0.56	1.97	7.1	.6	13	+02	"	
2240	7-9	0933 0949	"	21.0	9.49	0.74	1.92	7.0	.6	14	0	"	
2241	7-16	0930 0945	"	18.5	8.80	0.74	1.88	6.5	.6	14	0	"	
2242	7-23	0930 0948	HYDE	12.0	6.37	1.02	1.90	6.5	.6	13	0	FC35	
2243	7-30	0948 1005	"	10.8	6.54	1.01	1.90	6.6	.6	13	0	"	
2244	8-6	0907 0922	BOLLINGER	11.0	6.56	1.01	1.90	6.6	.6	13	0	FC6	
2245	8-13	0926 0940	"	10.8	6.52	0.97	1.89	6.3	.6	13	0	"	
2246	8-20	0932 0948	"	10.7	7.00	0.89	1.89	6.2	.6	10	0	"	
2247	8-27	0930 1002	"	11.0	7.02	0.93	1.89	6.5	.6	12	0	"	
2248	9-3	0933 0949	"	11.8	7.88	0.82	1.90	6.5	.6	13	0	"	
2249	9-10	0935 0948	"	11.0	7.56	0.86	1						

NDPM 7. C. Dist. 22-2-52

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	6.4	39.3	8.1	9.7	14.6	14	a 9.7	11	12	11	7.7
2	7.3	6.4	5.3	8.1	8.9	a 8.9	13	11	11	12	9.7	9.7
3	7.3	5.9	5.4	7.7	a 8.5	a 8.9	14	10	10	14	8.5	11
4	6.9	5.4	19.0	7.7	a 8.5	a 8.9	14	9.3	9.7	10	10	10
5	8.1	6.4	39.3	7.7	a 8.1	6.4	12	9.7	8.5	10	12	9.3
6	6.9	6.4	9.3	a 4.2	f 8.5	13.9	11	a 8.9	8.5	10	9.7	9.7
7	5.4	6.9	7.7	a 38.3	8.5	21.20	20.5	a 8.5	8.9	11	10	8.1
8	6.9	6.9	5.9	a 7.2	8.9	1.5	17	a 9.3	7.7	11	10	8.9
9	7.3	7.7	4.8	6.4	8.1	1.2	11	10	9.3	a 12	10	7.3
10	7.7	6.4	6.4	5.9	8.1	1.02	f 33.9	10	8.9	f 10	8.9	6.4
11	7.7	5.9	6.1	5.9	8.9	1.2	a 1.5	10	8.3	9.7	11	a 5.4
12	8.9	5.9	34.8	10.90	6.9	2.5	14	10	13	9.7	11	a 5.4
13	7.3	6.9	10	2.80	a 6.9	1.6	14	12	13	10	10	5.9
14	7.7	6.4	7.7	2.5	a 7.3	1.2	13	12	12	9.3	9.3	5.9
15	1.0	7.3	6.4	7.3	2.5	2.8	13	12	12	10	10.0	5.9
16	1.2	7.3	5.9	17.00	8.5	4.3	12	12	13	11	a 6.4	6.4
17	10	6.4	7.7	22.20	7.7	2.6	13	12	13	10	a 7.3	6.4
18	9.7	6.4	8.1	25.20	8.1	2.1	11	10	12	10	a 8.9	7.7
19	9.7	4.74	1.70	2.5	8.5	1.21	27	11	11	11	8.9	1.9
20	7.7	2.92	7.7	1.6	8.9	3.3	11	10	11	11	9.3	9.7
21	6.9	7.9	6.4	1.3	8.9	b 1.6	11	9.3	9.7	14	8.5	8.1
22	7.7	5.9	5.4	1.0	8.9	b 1.6	11	8.5	8.5	14	8.1	9.7
23	9.7	6.4	3.5	a 9.3	7.7	1.6	11	10	8.7	15	8.1	9.3
24	8.3	4.8	4.8	5.0	6.9	1.6	12	10	9.3	16	6.4	10
25	10.1	2.5	4.2	4.39	9.3	1.8	18.1	9.7	8.5	16	6.4	8.9
26	7.7	4.8	7.7	1.1	8.1	1.5	13	12	7.7	13	9.3	8.5
27	6.9	5.4	5.4	8.9	7.7	1.5	10	13	10	13	7.7	8.1
28	5.9	5.9	6.9	9.3	7.3	b 1.6	10	14	8.9	16	9.3	6.9
29	6.9	7.7	22.00	a 8.9	8.9	1.4	f 1.1	14	8.9	13	11	8.5
30	6.4	8.9	f 61.9	a 1.1	1.1	1.4	f 1.0	13	11	13	9.3	9.3
31	8.5	1.1	f 1.1	1.0	1.0	1.4	1.4	12	11	11	7.3	7.3
	61.4	1014.7	4576.2	11567.9	574.6	5931.1	1073	332.9	305	367.6	288.9	252.6
MEAN	19.8	33.8	148.	373.	19.8	191.	35.2	13.7	10.2	11.9	9.32	8.42
ACRE- FEET	1220.	2010.	9080.	22940.	1147.	11760.	2130.	660.	605.	729.	573.	501.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	73.5 53250.

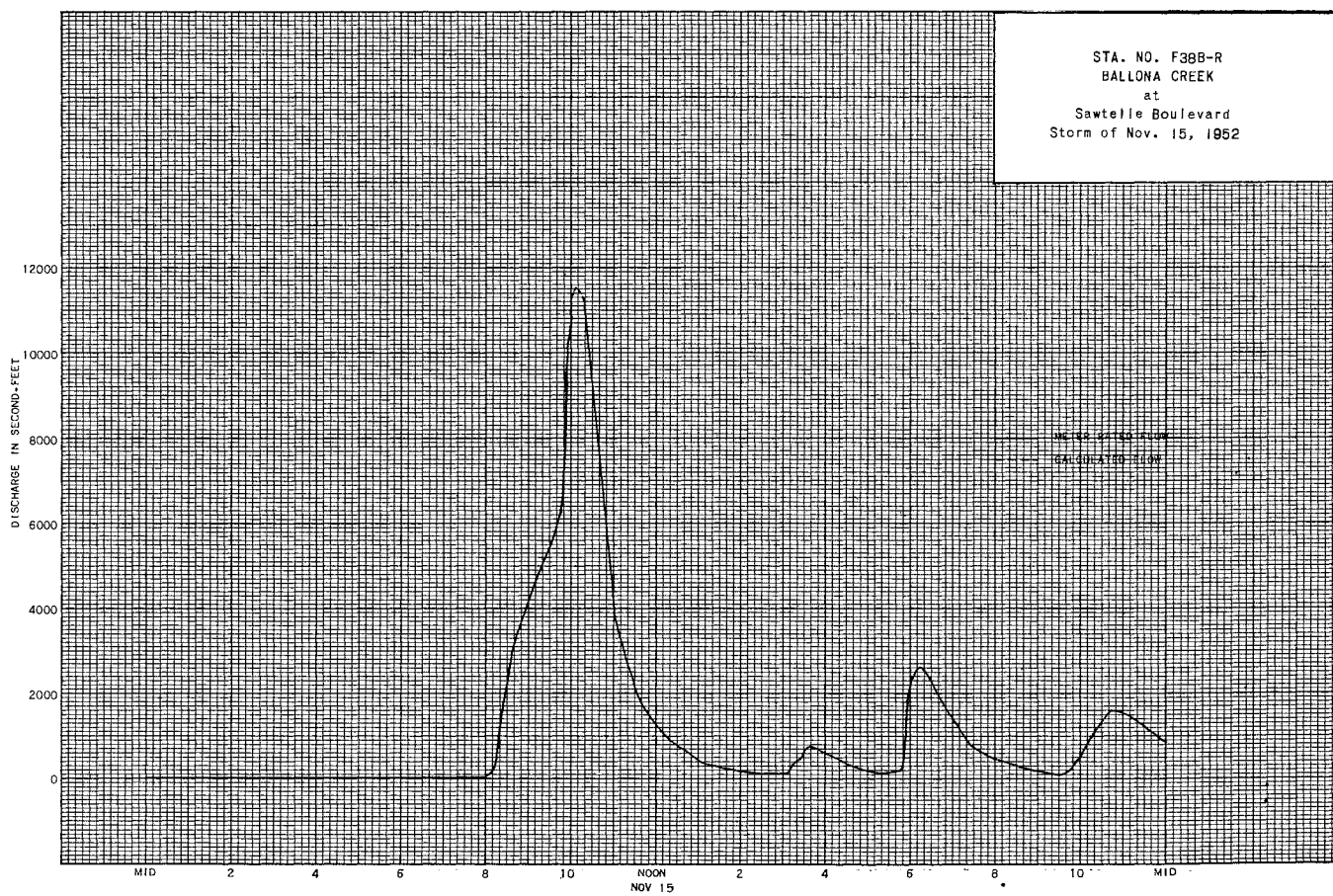
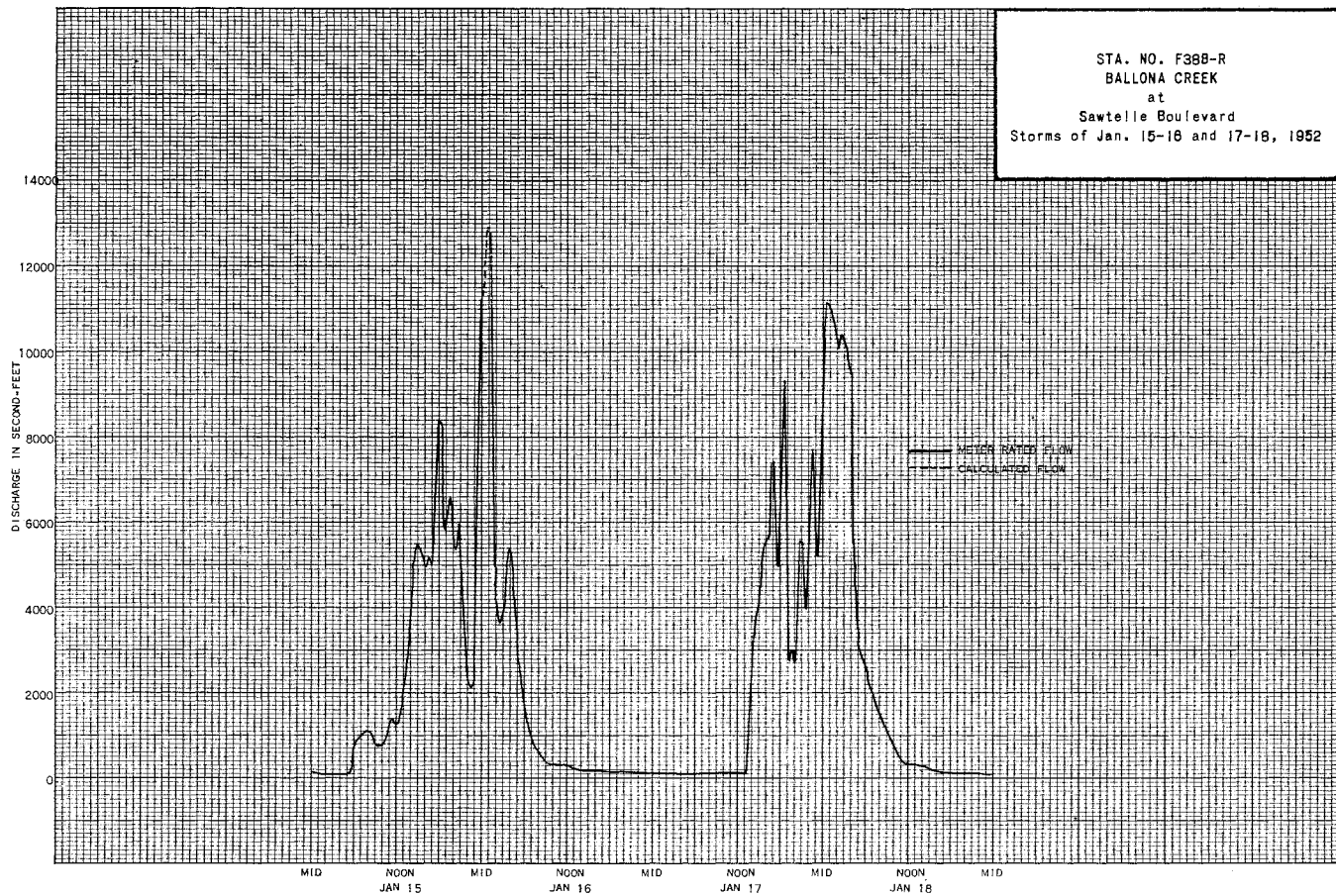
NDPM 7. C. Dist. 22-2-52

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.7	a 8.1	48.3	a 9.0	8.9	4.1	10	7.3	9.3	12	9.3	8.9
2	2.2	a 8.1	4.1	9.0	8.9	b 1.2	7.7	8.1	8.9	11	7.3	8.1
3	7.3	8.1	8.5	9.0	9.7	1.1	8.5	6.4	8.1	10	8.9	8.1
4	7.3	8.1	7.7	9.0	8.9	b 9.7	6.9	8.5	9.3	8.5	8.9	10
5	6.4	a 8.1	9.2	9.0	7.7	b 8.7	8.5	7.3	9.7	8.9	8.5	8.1
6	6.4	a 8.1	2.0	24.5	9.3	7.7	9.7	7.3	8.1	11	8.9	9.7
7	6.9	8.1	10	15.7	8.9	7.3	7.3	8.1	7.7	11	9.3	8.9
8	7.7	12.0	9.4	7.3	8.1	5.9	8.1	8.9	10	11	9.7	8.1
9	7.3	b 8.9	7.3	1.3	7.7	7.3	7.3	8.9	8.1	10	7.3	8.5
10	7.7	8.1	7.3	1.1	8.1	a 6.9	8.1	8.5	7.7	11	9.7	8.5
11	7.7	7.7	7.3	1.1	8.1	7.3	7.3	10	6.9	10	8.1	8.9
12	7.3	7.7	7.7	1.1	8.9	5.9	5.9	12	8.1	8.1	8.1	11
13	8.1	b 7.7	7.3	29.4	9.7	8.5	7.3	12	7.7	11	8.9	11
14	9.3	4.10	6.4	1.1	8.1	8.5	6.9	13	6.9	9.3	7.7	11
15	9.3	11.40	6.9	9.3	7.7	8.1	6.9	12	8.1	8.9	8.5	1.3
16	1.1	5.0	7.3	4.6	1.3	6.9	7.7	11	7.7	9.3	5.9	9.3
17	10	7.7	2.3	8.5	1.5	8.5	7.3	8.9	7.3	9.7	9.3	10
18	8.9	7.3	7.7	8.0	1.4	a 8.1	7.3	8.9	7.3	9.3	7.7	11
19	8.1	6.9	7.3	6.0	1.4	f 7.8	5.9	9.3	8.5	6.9	7.7	10
20	8.9	5.9	8.25	7.0	1.5	10.0	3.51	8.1	7.3	9.3	8.5	8.9
21	9.3	5.9	7.7	7.5	1.5	b 1.0	1.8	6.9	6.4	8.5	8.1	10
22	8.5	4.49	6.4	6.1	1.6	9.7	10	7.3	7.3	8.1	7.7	9.7
23	8.9	2.9	6.4	4.3	4.2	9.7	8.9	7.3	8.5	9.3	7.3	9.3
24	8.9	8.5	5.4	9.7	1.3	9.7	8.9	7.3	9.7	9.3	8.1	8.1
25	8.1	8.5	4.8	9.3	1.1	9.7	8.1	7.7	9.3	7.7	8.5	1.1
26	7.3	7.7	5.4	9.7	9.7	b 9.7	7.7	8.5	11	7.7	9.3	8.1
27	8.5	6.4	6.2	1.0	8.5	3.5	5.98	8.1	9.7	7.3	8.9	8.5
28	8.5	7.3	3.28	1.0	7.7	8.5	1.6	8.9	10	8.1	9.7	1.3
29	8.1	1.51	1.0	9.7	8.5	8.5	8.1	8.5	12	8.9	9.7	1.2
30	a 8.1	5.9	4.00	9.7	8.1	6.9	7.7	13	9.3	9.3	8.1	9.7
31	a 8.1		f 2.1	9.3	7.7	7.7	7.3	7.3	9.3	9.3	8.5	8.5
	286.9		2366.4		322.6		1186.2		259.6		262.1	
		2576.9		1477.7		457.1		270.0		289.7		288.4
MEAN	9.26	85.9	76.3	47.7	11.5	14.7	39.5	8.71	8.65	8.35	8.45	9.61
ACRE- FEET	569.	5110.	4690.	2930.	640.	907.	2350.	536.	515.	575.	520.	572.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	27.5 19910.



STATION F293-R
BALLONA CREEK below Culver Boulevard

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

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

RECORDS AVAILABLE: CONTINUOUS WATER-STAGE RECORDS AVAILABLE FOR STORM SEASONS ONLY FROM APRIL 15, 1948 TO APRIL 30, 1953.

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

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

STATION F282-R
BALLONA CREEK at Pacific Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 33°57'48", LONG. 118°27'13", ON THE CENTER BRIDGE PIER, UPSTREAM SIDE OF BRIDGE. ELEVATION OF ZERO GAGE HEIGHT -2.54 FEET M.S.L.

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

RECORDS AVAILABLE: CONTINUOUS WATER-STAGE RECORDS AVAILABLE FROM AUGUST 9, 1940 TO SEPTEMBER 30, 1953.

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

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

STATION F120B-R
BIG DALTON CREEK below Big Dalton Dam

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

DRAINAGE AREA: 4.8 SQUARE MILES.

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

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

RECORDER: INSTALLED JUNE 3, 1940 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. REINSTALLED 200 FEET DOWNSTREAM OVER A 4 FT. X 4 FT. CONCRETE WELL DECEMBER 23, 1946. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: 4.5 SQUARE MILES REGULATED BY BIG DALTON DAM. 0.3 SQUARE MILES UNREGULATED FLOW FROM KERIL CANYON.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RESERVOIR OUTFLOW RECORDS FROM OCTOBER 1929 TO JUNE 3, 1940. RECORDER RECORDS FROM JUNE 3, 1940 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 34 SECOND-FEET, JANUARY 19.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 38 SECOND-FEET, JANUARY 15.
MINIMUM NO FLOW MOST OF YEAR.

1940-53
MAXIMUM 111 SECOND-FEET, MARCH 4, 1943.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN REC. NO.	Q. MT. CHANGE TOTAL	METER NO.
288	1-17	1240 1300	STUNDEN	7.0	3.00	7.80		23.4	.5	8	0	FC36	
289	1-18	2123 2135	STUNDEN-CANAVAN	8.0	4.95	5.44	1.65	26.9	.5	8	0	"	
290	1-19	2033 2037	"	8.7	5.71	5.97	1.77	34.1	.6	10	0	"	
291	1-22	0920 0923	STUNDEN	8.0	5.03	2.14	1.00	10.8	.5	8	0	"	
292	1-25	1810 1820	"	7.0	3.77	1.38	0.57	5.2	.6	8	0	"	
293	1-31	1625 1635	"	1.3	0.51	6.86	0.44	3.5	.5	5	0	"	
294	2-7	1400 1410	"	6.6	2.25	0.93	0.39	2.1	.5	8	0	"	
295	2-14	1540 1545	"	1.3	0.28	4.30	0.23	1.2	.5	4	0	"	
296	2-21	1840 1845	"	1.3	0.28	3.46	0.24	0.97	.5	4	0	"	
297	3-13	1235 1240	"	1.3	0.35	4.86	0.32	1.7	.5	5	0	"	
298	3-17	1610 1620	"	8.5	6.90	4.50	1.85	31.0	.6	8	0	"	
299	3-21	0815 0825	STUNDEN-HYDE	9.0	6.95	2.88	1.65	20.0	.6	10	0	"	
300	3-24	1300 1310	STUNDEN	8.2	5.65	2.97	1.46	16.8	.5	8	0	"	
301	3-27	1315 1325	"	8.0	3.79	1.37	0.88	5.2	.5	8	0	"	
302	4-24	1525 1530	"	1.0	0.10	1.70	0.10	0.17	RUPE	3	0		
303	5-1	0830 0835	"	1.0	0.10	1.70	0.10	0.17	RUPE	3	0		
304	5-8	1150 1155	"	1.1	0.10	0.40	0.07	0.04	.5	5	0	FC50	
305	5-15	1525 1528	"	1.0	0.06	1.33	0.05	0.05	RUPE	4	0		
306	6-4	1715 1730	"	8.0	2.37	1.56	0.50	3.7	.5	10	0	FC36	
307	6-13	1105 1110	"	3.9	1.21	2.23	0.46	2.7	.5	9	0	"	
308	6-19	1850 1700	"	3.5	1.18	2.20	0.46	2.6	.5	8	0	"	
309	6-26	0850 0808	"	3.2	1.18	2.20	0.46	2.6	.5	7	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN REC. NO.	Q. MT. CHANGE TOTAL	METER NO.
310	7-3	1615 1625	"	3.0	1.18	2.20	0.44	2.6	.5	7	0	"	
311	7-10	1505 1515	"	3.0	1.12	2.32	0.42	2.6	.5	7	0	"	
312	7-17	1630 1645	STUNDEN-LINDSAY	4.1	1.88	1.48	0.42	2.8	.5	9	0	"	
313	7-21	0935 0950	STUNDEN	4.6	2.54	2.85	0.87	7.2	.5	9	0	"	
314	7-24	0845 0853	"	4.3	1.48	1.89	0.43	2.8	.5	7	0	"	
315	8-1	0915 0925	"	4.5	1.55	1.99	0.44	3.0	.5	10	0	"	
316	8-8	1115 1135	WHISLER-STUNDEN	4.7	1.92	2.66	0.60	5.1	.5	10	0	"	
317	8-14	1100 1120	STUNDEN	4.4	1.95	2.54	0.60	4.9	.5	10	0	"	
318	8-21	1030 1032	"	4.0	1.87	2.14	0.57	4.0	.5	9	0	"	
319	8-28	0950 0950	WHISLER	4.2	1.71	2.10	0.51	3.6	.5	9	0	"	

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

below Big Dalton Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN REC. NO.	Q. MT. CHANGE TOTAL	METER NO.
320	12-31	1630 1633	STUNDEN	0.50	0.03	1.67	0.05	0.05	FLOATS	2	0		
321	1-5	1450 1500	"	8.0	2.12	2.64	0.60	5.6	.5	10	0	FC36	
322	1-6	1450 1505	"	7.0	3.04	3.32	1.05	13.1	.5	8	0	"	
323	1-7	1005 1015	"	9.5	4.75	4.67	1.57	22.2	.6	11	0	02	
324	1-15	1300 1300	"	8.0	7.20	5.14	1.90	37.0	.6	9	0	-03	

FD-707 P. C. Dist. 43 9-54

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1200-3

Daily discharge, in second-feet of BIG DALTON CREEK below Big Dalton Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	3.2	0	0	0.2	0.1	2.6	3.0	0
2	0	0	+	0	3.0	0	0	0.1	0.1	2.6	3.0	0
3	0	0	+	0	2.9	0	0	0.1	2.3	2.6	2.9	0
4	0	0	+	0	2.7	0	0	0.1	3.7	2.6	3.0	0
5	0	0	+	0	2.5	0	0	+	3.6	2.6	3.0	0
6	0	0	0	+	2.0	0	0	+	3.6	2.6	4.5	0
7	0	0	0	0	1.0	+	0	+	3.7	2.6	5.2	0
8	0	0	0	0	1.4	1.5	0	+	3.7	2.6	5.0	0
9	0	0	0	0	1.2	1.5	0	+	3.7	2.6	5.0	0
10	0	0	0	0	1.3	1.7	0	+	1.5	2.6	5.0	0
11	0	0	0	0	1.3	1.7	0	+	1.8	2.6	5.0	0
12	0	0	+	+	1.2	1.7	0	0.1	2.9	2.5	4.9	0
13	0	0	0	0	1.2	1.6	0	0.1	2.7	2.5	4.9	0
14	0	0	0	0	1.2	1.6	0	0.1	2.7	2.7	4.9	0
15	0	0	0	0	1.2	1.5	0	0.1	2.7	2.8	4.9	0
16	0	0	0	e 1.0	1.2	2.9	0	0.1	2.7	2.8	4.6	0
17	0	0	0	b 2.4	1.1	3.1	0	0.1	2.7	2.8	4.4	0
18	0	0	0	2.5	1.1	3.1	0	0.1	2.6	2.8	4.4	0
19	0	+	0	3.0	1.1	2.7	0.5	0.1	2.6	4.3	4.3	0
20	0	0	0	3.3	1.1	19.8	0.8	0.1	2.6	7.1	4.1	0
21	0	0	0	3.2	1.0	1.9	0.7	0.1	2.6	4.7	4.0	0
22	0	0	0	1.7	1.0	17.4	0.4	0.1	2.6	2.8	3.9	0
23	0	0	0	1.1	1.0	16.7	0.3	0.1	2.6	2.8	3.8	0
24	0	0	0	1.1	1.0	16.7	0.2	0.1	2.6	2.8	3.8	0
25	0	0	0	b 2.2	0.9	9.1	0.2	0.1	2.6	2.9	3.8	0
26	0	0	0	3.0	e 0.3	5	0.3	+	2.6	2.9	3.8	0
27	0	0	0	0	0	5	0.3	+	2.6	2.9	3.7	0
28	0	0	0	4.6	0	2	0.2	a +	2.5	2.9	3.6	0
29	0	0	e 1.0	4.4	0	0	0.2	+	2.6	3.0	3.4	0
30	0	0	e 1.0	4.3	0	0	0.2	0.1	2.5	2.9	3.3	0
31	0	0	e 1.0	3.6	0	0	0.2	0.1	2.5	2.9	1.6	0
+		+	2.0	209.6	39.3	254.5	4.3	2.1	78.2	92.4	125	0

MEAN	+	+	.066	6.76	1.35	8.21	.173	.068	2.61	2.98	4.33	0	
ACRE- FEET	+	+	4.0	116.	78.	508.	2.5	1.5	155.	193.	248.	0	
Remarks:	+ = 0.05 c.f.s. or less										YEAR OR PERIOD	MEAN	2.21
											ACRE-FEET	1600.	

FD-707 P. C. Dist. 32 9-54

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	+	0.1	0	0	0	0	0	0	0	0
2	0	0	+	0	0	0	0	0	0	0	0	0
3	0	0	+	0.1	0	0	0	0	0	0	0	0
4	0	0	+	0.1	0	0	0	0	0	0	0	0
5	0	0	+	1.0	0	0	0	0	0	0	0	0
6	0	0	0.2	4.4	0	0	0	0	0	0	0	0
7	0	0	0.4	7.0	0	0	0	0	0	0	0	0
8	0	0	0.1	5.9	0	0	0	0	0	0	0	0
9	0	0	0.1	5.8	0	0	0	0	0	0	0	0
10	0	0.5	+	4.8	0	0	0	0	0	0	0	0
11	0	0.1	+	1.8	0	0	0	0	0	0	0	0
12	0	+	0	0.6	0	0	0	0	0	0	0	0
13	0	+	0	0.6	0	0	0	0	0	0	0	0
14	0	+	0	0.6	0	0	0	0	0	0	0	0
15	0	+	0	1.9	0	0	0	0	0	0	0	0
16	0	+	0	0.6	0	0	0	0	0	0	0	0
17	0	+	0	0.6	0	0	0	0	0	0	0	0
18	0	+	0	0.6	0	0	0	0	0	0	0	0
19	0	+	0	0.6	0	0	0	0	0	0	0	0
20	0	+	0.4	0.3	0	0.1	0	0	0	0	0	0
21	0	+	2.1	0.3	0	0.1	0	0	0	0	0	0
22	0	+	0.6	0.1	0	0.1	0	0	0	0	0	0
23	0	+	0.4	0.1	+	0	0	0	0	0	0	0
24	0	+	1.4	0.1	0	+	0	0	0	0	0	0
25	0	+	1.9	0.1	0	0	0	0	0	0	0	0
26	0	+	1.7	0.1	0	0	0	0	0	0	0	0
27	0	+	1.3	0.1	0	0	0	0	0	0	0	0
28	0	+	1.0	0.1	0	0	0	0	0	0	0	0
29	0	+	1.4	+	0	0	0	0	0	0	0	0
30	0	+	1.1	0	0	0	0	0	0	0	0	0
31	0	+	0.5	0	0	0	0	0	0	0	0	0
0			14.6		+		0	0	0	0	0	0

MEAN	0	0.02	0.47	1.32	+	0.01	0	0	0	0	0	0	
ACRE- FEET	0	1.2	29.	76.	+	0.60	0	0	0	0	0	0	
Remarks:	+ = 0.05 c.f.s. or less										YEAR OR PERIOD	MEAN	0.15
											ACRE-FEET	107.	

STATION U9-R
BIG DALTON CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°09'25", LONG. 117°49'55", IN CENTER OF SEC. 21, T.1N., R.9W., 0.2 MILE UPSTREAM FROM MOUTH OF CANYON AND 2.5 MILES NORTHEAST OF GLENDORA. ALTITUDE OF GAGE ABOUT 1170.0 FEET.

DRAINAGE AREA: 7.5 SQUARE MILES.

RECORDS AVAILABLE: DECEMBER 1919 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 33 YEARS (1920-53) 1.14 SECOND-Feet.

EXTREMES:

- 1951-52
MAXIMUM DISCHARGE 132 SECOND-Feet JANUARY 16. (GAGE HEIGHT 1.88 FEET.)
MINIMUM NO FLOW FOR SEVERAL MONTHS.
- 1952-53
MAXIMUM DISCHARGE 45 SECOND-Feet JANUARY 10. (GAGE HEIGHT 1.34 FEET.)
MINIMUM NO FLOW FOR SEVERAL MONTHS.
- 1919-53
MAXIMUM DISCHARGE ABOUT 850 SECOND-Feet MARCH 2, 1938, FROM RECORD OF RELEASE FROM BIG DALTON RESERVOIR.
MINIMUM NO FLOW FOR SEVERAL MONTHS OF EACH YEAR.

REMARKS:

- 1951-52 RECORDS FAIR.
- 1952-53 RECORDS GOOD. REGULATION AT BIG DALTON FLOOD CONTROL DAM.
- 1951-52 DIVERSION 0.0 ACRE FEET. 1952-53 DIVERSION 174 ACRE FEET.

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK

AT near Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	HEAR. REC. NO.	D. CH. CHANGE TOTAL	METER NO.
1160	12-29	1145 1148	STUNDEN	0.7	0.09	2.56	0.15	0.23	FLOATS	3			
1161	12-29	2095 2090	"	1.7	0.93	4.41	0.55	4.1	FLOATS	4		FC36	
1162	1-4	1145	"	0.7	0.14	2.79	0.22	0.39	FLOATS	3			
1163	1-7		USGS				0.18	0.29	FLUME				
1164	1-9	1021 1024	STUNDEN	0.6	0.08	1.75	0.15	0.14		4		FC50	
1165	1-15	1921 1926	"	2.0	1.08	3.05	0.60	3.3		5	0	FC36	
1166	1-16		USGS	5.5	4.05	4.90	1.05	19.8		10	-01		
1167	1-17		"	6.4	5.79	5.06	1.14	29.4		14	0		
1168	1-19		"	7.0	6.32	5.48	1.35	34.6		14	0		
1169	1-22	0255 0605	STUNDEN	6.5	7.45	4.26	1.26	31.8		8	0	FC36	
1170	1-25	1515 1525	"	6.5	4.18	2.58	0.92	10.8		8	0	"	
1171	1-29		USGS	6.0	2.87	2.07	0.77	5.95		13	-01		
1172	2-1	1090 1090	STUNDEN	5.0	2.37	2.11	0.72	5.0		6	0	FC36	
1173	2-7		USGS	5.7	2.62	1.28	0.68	3.35		13	0		
1174	2-7	1515 1525	STUNDEN	4.5	2.25	1.51	0.68	3.4				FC36	
1175	2-14		USGS	5.0	1.88	0.93	0.60	1.75		21	0		
1176	2-14	1445 1505	STUNDEN	4.0	1.60	0.88	0.60	1.4		7	0	FC36	
1177	2-20		USGS	6.0	1.82	0.91	0.60	1.66		13	0		
1178	2-21	1220 1230	STUNDEN	4.5	1.69	1.18	0.60	2.0		7	0	FC36	
1179	2-28	1630 1640	"	3.0	0.82	0.50	0.23	0.41				FC50	
1180	3-6	1510 1515	"	0.75	0.15	2.67	0.24	0.40	FLOATS	3			
1181	3-7	1145	"	7.0	5.33	3.64	1.05	19.4		9	0	FC36	
1182	3-13	1145 1150	"	5.0	2.05	1.90	0.70	3.9		7	0	"	
1183	3-14		USGS	6.4	2.7	1.44	0.70	3.92		22	+01		
1184	3-15	1800 1805	TREAT-STEWART	6.0	7.25	4.02	1.33	29.2		7	0	FC28	
1185	3-16	1095	"	18.0	14.3	3.40	1.47	48.6		11		"	
1186	3-21	0920 0940	STUNDEN-HYDE	8.0	7.83	3.27	1.19	25.6		10	0	FC36	
1187	3-26		USGS	7.0	4.66	2.11	0.84	9.8		17	0		
1188	3-27	1250 1300	STUNDEN	6.0	3.80	2.44	0.84	9.3		7	0	FC36	
1189	4-3		USGS	6.5	2.59	0.75	0.61	1.96		17	0		
1190	4-10	0915 0920	STUNDEN	5.0	1.80	0.94	0.58	1.7		8		FC36	
1191	4-17	0940 0945	"	1.0	0.41	1.85	0.52	0.76		4	0	"	
1192	4-20		USGS	6.3	2.25	0.80	0.60	1.80		17	0		
1193	4-24	1530 1535	STUNDEN	2.5	1.10	0.43	0.47	0.47		5	5	FC36	
1194	4-24		USGS	6.5	2.04	0.48	0.48	0.98		15	0		
1195	5-1	1000 1005	STUNDEN	1.0	0.38	1.38	0.55	0.60	FLOATS	4			
1196	5-1		USGS	6.1	2.11	0.43	0.48	0.91		14	0		
1197	5-8	1110 1120	STUNDEN	4.0	1.40	0.66	0.46	0.93		10	0	FC50	
1198	5-9		USGS	6.5	2.05	0.35	0.42	0.72		15	0		
1199	5-15	1500 1508	STUNDEN	4.2	1.29	0.65	0.42	0.84		10		FC50	
1200	5-20		USGS	6.3	1.61	0.27	0.35	0.44		17	-01		
1201	5-22	1545 1552	STUNDEN	2.7	0.78	0.65	0.36	0.52		7		FC50	
1202	5-28		USGS	6.6	2.00	0.26	0.37	0.52		17	0		
1203	5-29	0920 0935	STUNDEN	2.4	0.48	0.81	0.25	0.39		6		FC50	
1204	6-5	0920 0932	"	4.0	1.47	0.82	0.50	1.20		8		"	
1205	6-10		USGS	6.5	2.22	0.33	0.39	0.72		14	0		
1206	6-13	1030 1038	STUNDEN	4.4	0.65	0.94	0.32	0.61		7		FC50	
1207	6-17		USGS	4.3	0.83	0.35	0.20	0.29		15	-01		
1208	6-19	1630 1640	STUNDEN	3.0	0.96	1.04	0.43	1.0		5	8	FC50	
1209	6-25		USGS	4.5	0.98	0.54	0.32	0.53		14	0		
1210	6-26	0955 1000	STUNDEN	0.8	0.21	1.95	0.32	0.41		6		FC50	
1211	7-3	1550 1600	"	3.5	1.23	0.89	0.51	1.1		8		"	
1212	7-7		USGS	3.8	0.51	0.41	0.21	0.21		13	-01		
1213	7-10	1440 1445	STUNDEN	1.3	0.30	1.00	0.20	0.30		5	0	FC50	
1214	7-21		USGS	5.4	2.08	1.66	0.65	3.44		13	0		
1215	7-24	0835 0840	STUNDEN	1.7	0.37	0.49	0.19	0.18		5	0	FC50	
1216	8-1	1030 1030	"	4.0	1.64	1.46	0.62	2.3		7	0	"	
1217	8-6		USGS	6.2	3.53	1.59	0.79	5.61		16	0		
1218	8-8	1300 1320	WHISLER	6.1	3.15	1.71	0.75	5.4		10	0	FC36	
1219	8-14	1020 1035	STUNDEN	5.2	2.96	1.75	0.74	5.2		13	0	FC50	
1220	8-21	0955 1005	"	5.5	2.82	1.56	0.74	4.4		11		"	
1221	8-21		USGS	6.3	3.10	1.60	0.74	4.98		15	0		
1222	8-28	0956 0918	WHISLER	6.0	2.60	1.46	0.71	3.8		13	0	FC50	
1223	9-4	0818 0828	"	0.65	0.06	0.67	0.09	0.04		7	0	"	
1224	9-11		USGS	0			0.05	0.02					

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK
near Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INR	METH. USED	MEAS. RES. NO.	S. NT. CHANGE TOTAL	METER NO.
1225	12-4	0900 0906	WHISLER	0.60	0.09	1.45	0.16	0.13	.5	5	0	FC50	
1226	12-10		USGS				0.08	0.04	FLUME	1			
1227	12-18		"				0.07	0.02	FLUME		0		
1228	12-19	1400 1404	STUNDEN	0.50	0.02	1.20	0.05	0.03	FLOATS	3	0		
1229	12-26	1455 1500	"	0.50	0.04	1.25	0.08	0.05	FLOAT	2	0		
1230	12-31	1410 1420	"	4.0	2.29	1.18	0.64	2.70	.5, 6	7	0	FC50	
1231	1-7	1100	"	7.5	6.45	3.07	1.05	19.3	.6	9	0	FC36	
1232	1-7		USGS	6.8	5.81	3.43	1.05	20.0	.6	16	0		
1233	1-15	0945 0950	STUNDEN	2.3	0.39	0.82	0.16	0.32	.5	7		FC50	
1234	1-22		USGS				0.14	0.16	FLUME				
1235	1-29	1805 1810	STUNDEN	0.60	0.35	0.40	0.09	0.02	.5	4	0	FC50	
1236	2-5		USGS				0.09	0.08	FLUME		0		
1237	2-11	0955 0958	STUNDEN	0.70	0.05	0.80	0.07	0.04	.5	4	0	FC50	
1238	2-19		USGS				0.08	0.08	FLUME				

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INR	METH. USED	MEAS. RES. NO.	S. NT. CHANGE TOTAL	METER NO.
1239	2-26	1230 1235	STUNDEN	0.80	0.09	1.00	0.10	0.09	.5	5	0	FC50	
1240	3-12		USGS				0.08	0.08	FLUME		0		
1241	3-19	1427 1430	STUNDEN	0.60	0.06	0.67	0.06	0.04	.5	4		FC50	
1242	3-25		USGS				3.07	0.06	FLUME				
1243	4-2	1455 1500	STUNDEN	1.0	0.06	0.75	0.06	0.06	.5	4		FC50	
1244	4-8		USGS				0.06	0.06	FLUME		0		
1245	4-16	1500 1555	STUNDEN	1.0	0.07	0.57	0.05	0.04	.5	5	0	FC50	
1246	4-23		USGS				0.06	0.04	FLUME		0		
1247	4-30	1430 1435	STUNDEN	0.70	0.06	0.67	0.07	0.04	.5	4	0	FC50	
1248	5-6		USGS				0.05	0.04	FLUME		0		
1249	5-14	1515 1520	STUNDEN	0.80	3.12	0.42	0.06	0.05	.5	4	0	FC50	
1250	5-20		USGS				0.06	0.04	FLUME		0		
1251	5-28	1705 1710	STUNDEN	0.50	0.02	1.50	0.04	0.03	FLOATS	3	0		
1252	6-3		USGS				0.04	0.02	FLUME				
1253	6-11	1610 1612	STUNDEN	0.50	0.01	1.00	0.02	0.01	FLOAT	1	0		
1254	6-16		USGS				0.02	0.01	FLUME		0		

FD-14 (Rev. 7-7-52)

LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

Sta. No. U9-R

Daily discharge, in second-feet of BIG DALTON CREEK near Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.4	5.0	0.9	2.4	1.0	0.4	0.3	1.7	0.1
2	0	0	0	0.6	4.6	0.6	2.1	1.0	0.4	0.5	2.7	0.1
3	0	0	0	0.5	4.4	0.5	1.9	0.9	1.9	0.6	2.7	0.1
4	0	0	0	0.4	4.0	0.4	1.8	0.9	2.4	0.5	2.7	0.1
5	0	0	0	0.3	3.8	0.4	1.7	0.9	0.8	0.6	3.0	0
6	0	0	0	0.3	3.6	0.4	1.6	0.8	0.3	0.3	4.9	0
7	0	0	0	0.3	3.4	0.4	1.8	0.9	0.3	0.5	5.6	0
8	0	0	0	0.2	3.1	0.5	1.8	0.8	0.3	0.4	5.3	0
9	0	0	0	0.2	2.4	0.3	1.5	0.9	1.1	0.3	5.3	0
10	0	0	0	0.1	2.3	0.4	1.7	0.9	1.5	0.4	5.3	0
11	0	0	0	0.1	2.1	0.3	1.6	0.8	0.8	0.2	5.1	0
12	0	0	0	1.1	1.9	0.9	1.4	0.8	3.0	0.2	5.1	0
13	0	0	0	4.1	1.8	0.9	1.5	0.8	0.7	0.2	5.1	0
14	0	0	0	2.8	1.8	0.9	1.3	0.8	0.4	0.3	5.1	0
15	0	0	0	3.3	1.8	2.1	1.3	0.9	0.4	0.2	4.8	0
16	0	0	0	5.0	1.8	4.9	1.3	0.8	0.7	0.2	4.8	0
17	0	0	0	2.3	1.8	4.5	1.1	0.7	0.5	0.2	5.1	0
18	0	0	0	4.8	1.7	4.3	1.2	0.6	0.3	0.4	5.1	0
19	0	0	0	3.4	1.7	3.5	2.4	0.6	1.2	2.2	5.1	0
20	0	0	0	3.2	1.7	2.5	1.9	0.6	0.7	7.1	5.1	0
21	0	0	0	3.1	1.7	2.4	1.7	0.6	0.3	4.9	5.1	0
22	0	0	0	1.8	1.7	2.1	1.4	0.6	0.5	1.6	5.1	0
23	0	0	0	1.1	1.7	2.1	1.3	0.6	0.6	0.2	4.8	0
24	0	0	0	1.1	1.6	2.1	1.2	0.6	0.7	0.2	4.8	0
25	0	0	0	9.4	1.6	1.4	1.6	0.6	0.5	0.1	4.6	0
26	0	0	0	7.1	1.0	9.8	1.5	0.6	0.5	0.1	4.1	0
27	0	0	0	6.8	0.5	9.4	1.3	0.5	0.5	0.1	4.1	0
28	0	0	0	6.4	0.4	5.6	1.4	0.5	0.5	0.1	4.1	0
29	0	0	1.7	6.1	0.8	3.0	1.5	0.5	0.8	0.1	3.9	0
30	0	0	5.4	5.8		2.7	1.3	0.4	0.8	0.1	3.6	0
31	0	0	3.6	5.4		2.6		0.4		0.1	2.0	
	0	0	11.7		65.7		47.5		25.0		135.8	
				320.7		394.7		22.3		23.2		0.3

MEAN	0	0	0.38	10.3	2.27	12.7	1.58	0.72	0.23	0.75	4.28	0.01
NO. OF MEASUREMENTS	0	0	23	636	130	783	94	44	50	46	269	0.5
Remarks:										YEAR OR PERIOD	MEAN	2.46
										ACRE-FOOT		2340

IND 14 C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UG-R

Daily discharge, in second-feet of **BIG DALTON CREEK near Mouth of Canyon** for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	0.2	0.1	0.1	0.1	0	0	0	0	0
2	0	0	0.2	0.2	0.1	0.1	0.1	0	0	0	0	0
3	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
4	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
5	0	0	0.1	0.9	0.1	0.1	0.1	0	0	0	0	0
6	0	0	0.1	3.3	0.1	0.1	0.1	0	0	0	0	0
7	0	0	0.1	7.7	0.1	0.1	0.1	0.1	0	0	0	0
8	0	0	0	6.2	0.1	0.1	0.1	0.1	0	0	0	0
9	0	0	0	7.1	0.1	0.1	0.1	0.1	0	0	0	0
10	0	0	0	7.2	0	0.1	0.1	0.1	0	0	0	0
11	0	0	0	2.0	0	0.1	0.1	0.1	0	0	0	0
12	0	0	0	1.0	0	0.1	0.1	0.1	0	0	0	0
13	0	0	0	0.8	0	0.1	0.1	0.1	0	0	0	0
14	0	0	0	1.5	0.1	0.1	0.1	0.1	0	0	0	0
15	0	0	0	0.5	0.1	0.1	0	0.1	0	0	0	0
16	0	0	0	0.3	0.1	0.1	0	0.1	0	0	0	0
17	0	0	0	0.2	0.1	0.1	0	0	0	0	0	0
18	0	0	0	0.5	0.1	0.1	0	0	0	0	0	0
19	0	0	0.1	0.5	0.1	0.1	0	0	0	0	0	0
20	0	0	0.1	0.5	0.1	0.1	0.1	0	0	0	0	0
21	0	0	0.1	0.5	0.1	0.1	0.1	0	0	0	0	0
22	0	0	0.1	0.2	0.1	0.1	0	0	0	0	0	0
23	0	0	0.1	0.2	0.1	0.1	0	0	0	0	0	0
24	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
25	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
26	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
27	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
28	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
29	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0
30	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0
31	0	0.9	0.1	0.1	0.1	0.1	0	0	0	0	0	0
	0		4.2		2.2		1.6		0	0	0	0
		0.1		43.1		3.1		1.1				
MEAN	0	.003	0.14	1.39	0.08	0.10	0.05	0.04	0	0	0	0
ACRE- FEET	0	0.2	8.3	85.	4.4	6.1	3.2	2.2	0	0	0	0
Remarks:												0.15
												109

STATION F202-R
BIG DALTON CREEK at Sierra Madre Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'49", LONG. 117°50'13". ON THE LEFT (EAST) DOWNSTREAM WING WALL OF SIERRA MADRE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 987.21 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 7.67 SQUARE MILES.

CHANNEL AND CONTROL: SAND, GRAVEL AND BOULDERS WITH EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: A STEVENS TYPE L RECORDER INSTALLED DECEMBER 27, 1951. REPLACED WITH AN H.C.F. RECORDER MARCH 18, 1952 AND IN SERVICE TO SEPTEMBER 30, 1953.

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

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

RECORDS AVAILABLE: DECEMBER 27, 1951 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 55 SECOND-Feet JANUARY 18.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 35 SECOND-Feet JANUARY 15.
MINIMUM NO FLOW MOST OF YEAR.

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

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK
AT Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RAT- ING	METH- OD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
1	1-18	0230 0240	STUNDEN-CANAVAN	20.0	10.4	5.26	3.65	54.7	.6	8	0	FC36	
2	1-21	1535 1545	STUNDEN	5.5	4.93	3.53	2.85	17.4	.6	8	+0.1	"	
3	1-22	1115 1120	"	5.0	2.75	2.40	2.58	6.6	.6	6	0	"	
4	3-7	0640 0650	STUNDEN-STEWART	5.0	2.35	2.00	2.70	4.7	.6	6	0	"	
5	3-7	1220 1225	"	7.0	4.70	3.21	3.00	15.1	.6	8	0	"	
6	3-21	1030 1040	STUNDEN-HYDE	12.3	6.12	2.42	2.93	14.8	.6	12	0	"	
7	3-27	1220 1230	STUNDEN	2.5	0.78	0.88	2.58	0.69	.5	5	0	"	
8	4-17	0845 0850	"	1.2	0.18	1.11	2.46	0.20	.5	4	0	FC50	
9	6-4	1800 1810	"	2.5	1.12	2.94	2.62	3.3	.6	6	0	FC36	
10	6-13	1000 1005	"	0.8	0.12	0.92	2.45	0.11	.5	4	0	FC50	
11	8-8	1405 1420	WHISLER-STUNDEN	7.4	2.53	1.27	2.71	3.2	.5	13	0	FC36	
12	8-14	0910 0920	STUNDEN	7.0	2.47	1.30	2.70	3.2	.5	9	0	FC50	
13	8-21	0930 0940	"	7.1	2.44	1.23	2.69	3.0	.5	9	0	"	
14	8-28	0822 0832	WHISLER-STUNDEN	7.0	2.18	0.87	2.67	1.9	.5	10	0	"	

DISCHARGE MEASUREMENTS OF BIG DALTON CREEK
AT Sierra Madre Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION NO. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC.-FT.	RAT- ING	METH- OD	MEAN SEC. NO.	D. HT. CHANGE TOTAL	METER NO.
15	12-2	1110 1120	STUNDEN	1.0	0.45	1.05	2.52	0.47	FLOATS			0	
16	12-30	1540 1550	"	2.0	1.01	1.79	2.66	1.8	.5	5	0	FC36	
17	1-7	1145	"	8.5	8.50	2.00	3.10	17.2	.5	10	0	"	
18	1-15	0910 0915	"	1.0	0.18	0.94	2.63	0.17	.5	5	0	FC50	
19	1-15	1136 1146	"	8.5	8.84	2.01	3.07	17.8	.6	8	-05	FC36	
20	1-21	1020 1025	"	0.8	0.08	0.62	2.56	0.05	.5	4	0	FC50	

FD-724 F. C. Dist. 52 9-52

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, 19 **52**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0	0	0	0	0	0	0	0
2				0	0	0	0	0	0	0	0	0
3				0	0	0	0	0	0	0	0	0
4				0	0	0	0	0	0	0	0	0
5				0	0	0	0	0	0	0	0	0
6				0	0	0	0	0	0	0	0	0
7				0	0	6.3	0	0	0	0	0	0
8				0	0	2.0	0	0	0	0	0	0
9				0	0	0.5	0	0	0	0	0	0
10				0	0	1.5	0	0	0	0	0	0
11				0	0	0.4	0	0	0	0	0	0
12				0.7	0	0	0.2	0	0	0	0	0
13				4.9	0	0	0.1	0	0	0	0	0
14				+	0	0	0.1	0	0	0	0	0
15				1.1	0	1.6	0.1	0	0	0	0	0
16				1.5	0	2.8	0.1	0	0	0	0	0
17				1.9	0	2.5	0.1	0	0	0	0	0
18				2.3	0	2.2	0.1	0	0	0	0	0
19				1.8	0	1.9	1.8	0	0	0	0	0
20				1.7	0	1.8	1.3	0	0	0	0	0
21				1.6	0	1.3	0.7	0	0	0	0	0
22				0	0	1.1	0	0	0	0	0	0
23				7.4	0	0	0	0	0	0	0	0
24				0	0	0	0	0	0	0	0	0
25				2.6	0	0	0	0	0	0	0	0
26				+	0	1.7	0.9	0	0	0	0	0
27				0	0	0.7	0	0	0	0	0	0
28				0	0	0.4	0	0	0	0	0	0
29				0	0	0	0	0	0	0	0	0
30				0	0	0	0	0	0	0	0	0
31				0	0	0	0	0	0	0	0	0
				125.9	0	198.2	5.7	0	7.0	+	74.0	0

MEAN	INC	INC	INC	4.06	0	6.39	0.10	0	0.22	0	2.29	0
ACRE- FEET	INC	INC	INC	250.	0	391.	11.7	0	14.	0	147.	0

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

YEAR OR PERIOD MEAN ACRES-
MEAN ACRES-FEET 51.

FD-724 F. C. Dist. 52 9-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F202-R

Daily discharge, in second-feet of **BIG DALTON WASH at Sierra Madre Avenue** for the year ending September 30, 19 **53**

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	0.5	0	0	0	0	0	0	0	0
6	0	0	0	2.7	0	0	0	0	0	0	0	0
7	0	0	0	5.3	0	0	0	0	0	0	0	0
8	0	0	0	4.3	0	0	0	0	0	0	0	0
9	0	0	0	4.1	0	0	0	0	0	0	0	0
10	0	0	0	3.0	0	0	0	0	0	0	0	0
11	0	0	0	1.3	0	0	0	0	0	0	0	0
12	0	0	0	0.1	0	0	0	0	0	0	0	0
13	0	0	0	+	0	0	0	0	0	0	0	0
14	0	0	0	+	0	0	0	0	0	0	0	0
15	0	0	0	1.7	0	0	0	0	0	0	0	0
16	0	0	0	0.3	0	0	0	0	0	0	0	0
17	0	0	0	+	0	0	0	0	0	0	0	0
18	0	0	0	+	0	0	0	0	0	0	0	0
19	0	0	0	0.3	0	0	0	0	0	0	0	0
20	0	0	0	0.3	0	0	0	0	0	0	0	0
21	0	0	0	0.2	0	0	0	0	0	0	0	0
22	0	0	0	+	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0.7	0	0	0	0	0	0	0	0
31	0	0	0	0.1	0	0	0	0	0	0	0	0
	0	0		24.1	0	0	0	0	0	0	0	0

MEAN	0	0	0.045	0.78	0	0	0	0	0	0	0	0
ACRE- FEET	0	0	2.8	48.	0	0	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRES-
MEAN ACRES-FEET 51.

STATION F274-R
DALTON WASH at Merced Avenue

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

DRAINAGE AREA: 28 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 11, 1940 OVER A 24-INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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

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

RECORDS AVAILABLE: NOVEMBER 11, 1940 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 1070 SECOND-FEET, JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 549 SECOND-FEET, NOVEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.
1940-53
MAXIMUM 2650 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF DALTON WASH
AT Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. CD.	HEAD BEG. NO.	D. HT. CHANGE TOTAL	METER NO.
196	12-5	0715 0730	PAYNE	10.0	1.34	0.90	2.03	1.2	5	11	04	EC28	
197	12-12	0420 0438	STUNDEN	24.0	13.8	3.41	2.43	47.0	FLOATS	10	02		
198	12-29	1221 1234	"	30.0	24.3	4.61	3.02	112	FLOATS	9	05		
199	12-29	0847 0857	STUNDEN-STEWART	28.0	16.8	3.11	2.53	52.2	5	9	11	FC36	
200	12-30	0847 0857	"	19.0	5.89	1.43	2.11	8.4	5	7	0	"	
201	1-12	1830	STUNDEN	26.0	17.4	3.74	2.64	65.1	FLOATS	9	05		
202	1-15	1925 1935	PAYNE-ROBINSON	11.0	5.75	2.56	2.16	14.7	6	6	0	FC28	
203	1-16	0825	PAYNE	36.0	51.8	4.77	3.86	247	6	11	22	"	
204	3-7	0445 0450	PAYNE-TREAT	33.0	34.2	5.20	3.07	178	6	7	01	"	
205	3-7	0815 0830	"	34.0	39.9	6.44	3.39	257	6	6	0	"	
206	3-7	1245 1300	"	36.0	59.1	6.84	4.10	404	6	7	10	"	
207	3-15	1345 1400	TREAT-STEWART	33.0	33.4	5.72	3.01	191	6	9	18	"	
208	3-15	2055	"	37.0	48.4	6.08	3.68	294	6	10	04	"	
209	3-16	1550 1600	TREAT	27.0	20.1	4.47	2.68	89.9	6	10	04	"	
210	4-23	1515 1523	STUNDEN /	8.5	2.25	1.29	2.02	2.9	5	7	0	FC36	
211	5-8	0830 0840	"	7.3	1.63	1.10	1.96	1.8	5	10	01	FC50	

DISCHARGE MEASUREMENTS OF DALTON WASH
AT Merced Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. CD.	HEAD BEG. NO.	D. HT. CHANGE TOTAL	METER NO.
212	11-15	1255 1305	WHISLER-TREAT	28.5	28.9	4.91	3.22	142.	6	11	20	FC5	
213	12-1	2230 2250	TREAT-BELL	34.0	40.2	7.51	3.48	332.	6	10	99	FC45	
214	12-20	0745 0800	TREAT	23.0	21.2	5.91	2.86	124.	6	13	12	"	
215	12-20	1150 1200	"	21.0	3.36	1.31	2.09	3.4	6	12	06	"	
216	12-30	1810 1825	"	23.0	20.4	5.54	2.86	113.	6	13	01	"	
217	1-15	1630 1640	STUNDEN	14.0	3.53	0.85	2.04	3.0	5	10	0	FC36	
218	2-23	1205 1220	"	20.0	5.26	1.16	2.15	6.1	5	9	0	"	

FD-144 F. C. Dist. 52 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	0	0	0	0	0	+	1.7	0	0	0	0	0		
2	0	0	0	0	0	0	+	0	0	0	0	0		
3	0	0	0	0	0	0	4.9	0	0	0	0	0		
4	0	0	0	0	0	0	1.0	1.7	0	0	0	0		
5	0	0	8.4	0	0	0	2.0	0.5	0	0	0	0		
6	0	0	0	0	0	0	2.2	0.8	0	0	0	0		
7	0	0	0	0	0	16.4	3.7	0.8	0	0	0	0		
8	0	0	0	0	0	0.7	3.0	0.5	0	0	0	0		
9	0	0	0	0	0	0	+	0.8	0	0	0	0		
10	0	0	0	0	0	4.6	1.8	0.5	0	0	0	0		
11	0	0	0	0	0	1.9	+	0.2	0	0	0	0		
12	0	0	6.5	18	0	4.4	0	1.2	0	0	0	0		
13	0	0	0	33	0	1.9	0	1.2	0	0	0	0		
14	0	0	0	0	0	0	0	1.2	0	0	0	0		
15	0	0	0	2.4	0	12.3	0	1.8	0	0	0	0		
16	0	0	0	27.0	0.2	7.7	0	0.1	0	0	0	0		
17	0	0	0	8.9	0.7	1.6	0	0	0	0	0	0		
18	0	0	0	10.0	+	9.4	0.5	0	0	0	0	0		
19	0	0	0	0.8	0	5.7	8.7	0	0	0	0	0		
20	0	2.4	0	0.8	0	1.5	0.5	0	0	0	0	0		
21	0	0	0	1.3	0	0.8	0.9	0	0	0	0	0		
22	0	0	0	0.6	0	0	1.7	0	0	0	0	0		
23	0	0	0	0	0	0.1	1.7	0	0	0	0	0		
24	0	0	0	0	0	1.1	0.4	0	0	0	0	0		
25	0	0	0	7.9	0	1.8	0.9	0	0	0	0	0		
26	0	0	0	0	0	1.2	0.4	0	0	0	0	0		
27	0	0	0	0	0	+	1.2	0	0	0	0	0		
28	0	0	0	0	0	0	0.8	0	0	0	0	0		
29	0	0	5.9	0	0.3	0	0.4	0	0	0	0	0		
30	0	0	1.7	0	0	0	0.1	0	0	0	0	0		
31	0	0	0.2	0	0	1.6	0	0	0	0	0	0		
	0	0	38.0	0	1.2	0	38.5	0	0	0	0	0		
MEAN	0	2.4	545.4	416.7	11.3	0	0	0	0	0	0	0		
ACRE-FOOT	0	0.78	1.23	17.6	0.21	13.4	1.28	0.36	0	0	0	0		
Remarks:	+ = 0.05 c.f.s. or less											YEAR OR PERIOD	MEAN ACRE-FOOT	2.88

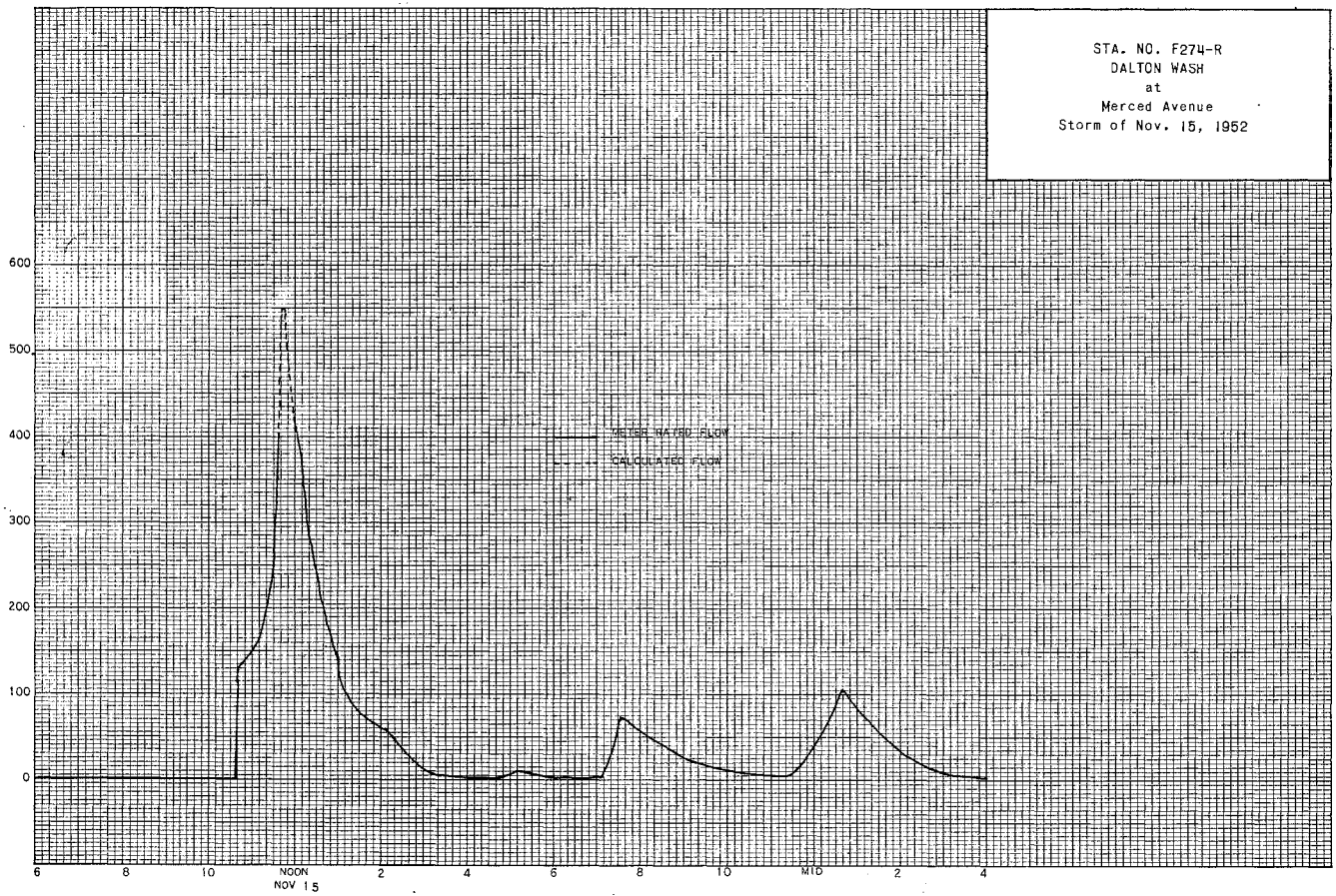
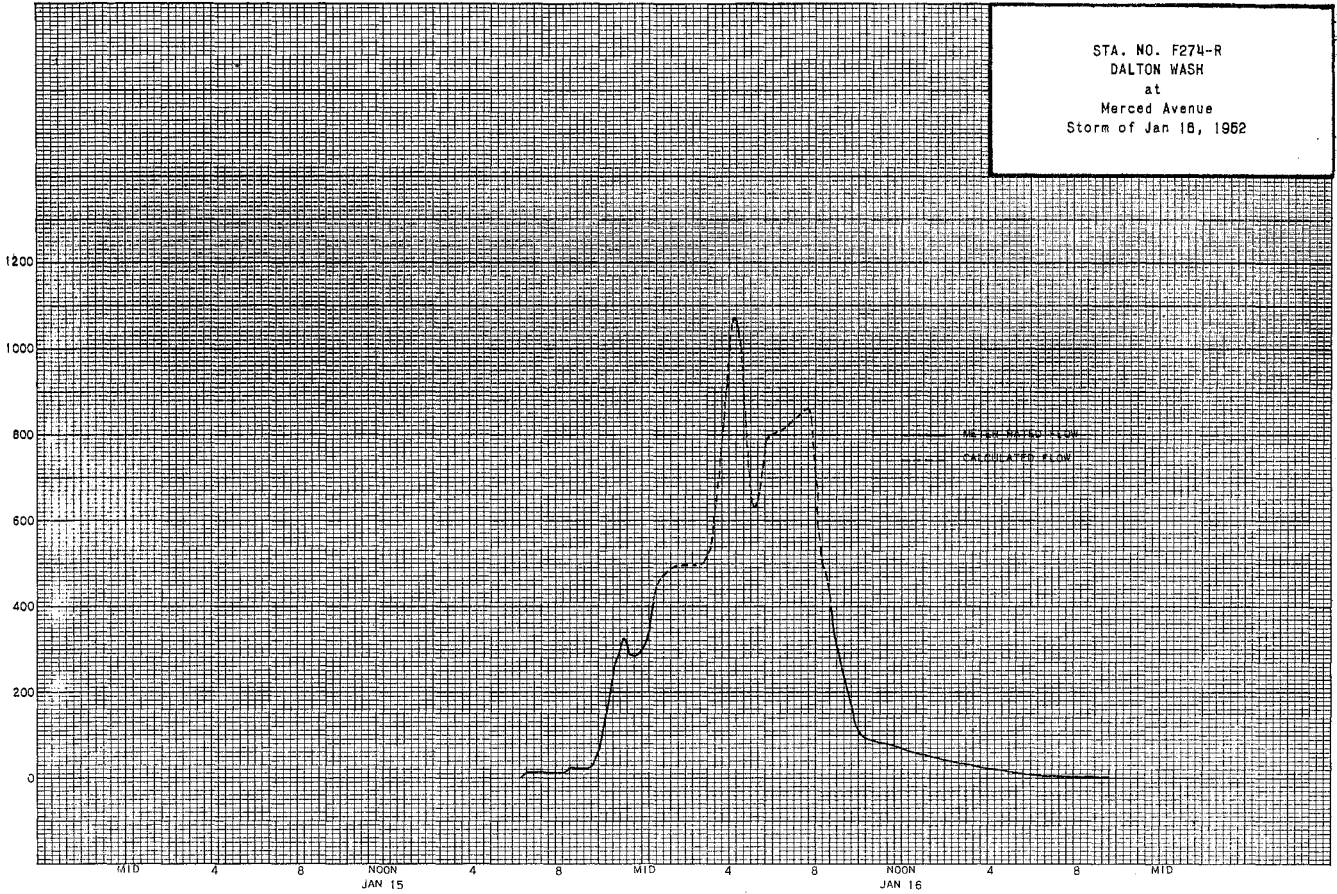
FD-144 F. C. Dist. 52 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F274-R

Daily discharge, in second-feet of DALTON WASH at Merced Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	0	0	2.1	0	0	1.4	0	0	0	0	0	0		
2	0	0	1.0	0	0	0.8	0	0	0	0	0	0		
3	0	0	0	0	0	0.2	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	0.3	0	0	0	0	0	0	0	0		
7	0	0	0	6.9	0	0	0	0	0	0	0	0		
8	0	0	0	0.7	0	0	0	0	0	0	0	0		
9	0	0	0	0.8	0	0	0	0	0	0	0	0		
10	0	0	0	0.8	0	0	0	0	0	0	0	0		
11	0	0	0	0.6	0	0	0	0	0	0	0	0		
12	0	0	0	0.3	0	0	0	0	0	0	0	0		
13	0	0	0	4.1	0	0	0	0	0	0	0	0		
14	0	5.9	0	0.1	0	0	0	0	0	0	0	0		
15	0	3.9	0	0.7	0	0	0	0	0	0	0	0		
16	0	7.5	0	1.0	0	0	0	0	0	0	0	0		
17	0	0	0	0.1	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	1.4	0	0	1.1	0	0	0	0	0	0		
22	0	0	0	0	0.4	0	0	0	0	0	0	0		
23	0	1.2	0	0	2.3	0	0	0	0	0	0	0		
24	0	0.5	0	0	4.3	0	0	0	0	0	0	0		
25	0	0	0	0	2.0	0	0	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	0		
27	0	0	0	0	0	0	0.7	0	0	0	0	0		
28	0	0	3.5	0	1.0	0	0	0	0	0	0	0		
29	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	1.0	8.7	0	0	0	0	0	0	0	0	0		
31	0	0	1.9	0	0	0	0	0	0	0	0	0		
	0	0	59.1	0	10.0	0	0.7	0	0	0	0	0		
MEAN	0	55.1	16.4	3.5	0.26	0.11	0.023	0	0	0	0	0		
ACRE-FOOT	0	1.84	1.91	0.53	0.26	0.11	0.023	0	0	0	0	0		
Remarks:												YEAR OR PERIOD	MEAN ACRE-FOOT	0.60



STATION F111C-R
BIG TUJUNGA CREEK below Mill Creek

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

DRAINAGE AREA: 64.9 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 16, 1948. A STEVENS A35 WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

1951-52

MAXIMUM 1390 SECOND-FOOT JANUARY 18.
MINIMUM LESS THAN 0.1 SECOND-FOOT IN OCTOBER.

1952-53

MAXIMUM 65 SECOND-FOOT DECEMBER 2.
MINIMUM LESS THAN 0.05 SECOND-FOOT SEVERAL DAYS IN JULY, AUGUST AND SEPTEMBER.

1930-53 (STATIONS F111-R, F111B-R AND F111C-R)

MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 14800 SECOND-FOOT JANUARY 23, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK

below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 1952

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	NEAR- REC. NO.	D. CH- ANGE TOTAL	METER NO.
237	10-4	0850	TURNER				4.30	0.07	VOL.				
238	10-11	0955	"				4.23	0.06	"				
239	10-24	1025	"				4.31	0.07	"				
240	11-1	0934 0940	"	1.5	0.31	0.81	4.66	0.25	.5	4	0	FC43	
241	11-8	0935 0941	"	1.5	0.34	0.76	4.65	0.26	.5	4	0	"	
242	11-15	1010	SPENCER				4.69	0.23	VOL.				
243	11-21	1036 1047	"	4.0	0.99	1.41	4.85	1.4	.5	9	0	FC35	
244	11-29	1015 1030	"	4.0	0.56	1.05	4.76	0.59	SURF	.5	9	0	"
245	12-6	1025 1040	"	4.0	0.75	1.60	4.84	1.2	SURF	9	0	"	
246	12-12	0825 0837	KASIMOFF-GRAUEL	9.2	5.72	1.08	5.08	6.2	.6	12	-0.1	FC44	
247	12-12	1415 1430	"	9.5	4.25	1.01	4.95	4.3	.6	12	-0.1	"	
248	12-20	1024 1030	TURNER	4.7	1.61	0.99	4.85	1.6	.6	6	0	"	
249	12-27	1051 1100	THOMAS-TURNER	4.6	1.25	0.89	4.82	1.1	.6	7	0	"	
250	12-30	1430 1503	KASIMOFF	36.0	55.1	1.44	6.17	79.2	.6	11	-0.5	"	
251	12-30	1712 1732	KASIMOFF-PAYNE	36.0	57.4	1.44	6.07	82.5	.6	10	-0.3	"	
252	12-30	2128 2153	"	33.5	45.0	1.38	5.89	62.1	.6	15	-0.2	"	
253	1-4	0915 0924	TURNER	11.0	5.58	1.08	4.96	6.0	.6	7	0	"	
254	1-10	1025 1034	"	5.2	2.77	1.48	4.92	4.1	.6	7	0	"	
255	1-12	1455 1505	THOMAS-GRAUEL	10.5	4.12	1.24	4.97	5.1	.5	10	+0.3	"	
256	1-12	2125 2140	"	48.5	101.	3.01	7.20	304.	.5	11	+4.0	"	
257	1-12	2155 2212	"	50.0	115.	3.33	7.60	389.	.6	10	+2.1	"	
258	1-12	2219 2229	"	49.0	118.	3.47	7.74	409.	.6	10	+0.8	"	
259	1-12	2306 2316	"	52.0	128.	3.34	7.75	428.	.6	13	-0.4	"	
260	1-13	0139 0150	"	47.0	109.	3.72	7.30	405.	.6	11	-1.0	"	
261	1-15	1516 1537	KASIMOFF-CUADRAZ	29.5	24.8	1.67	5.49	41.4	.6	14	+0.5	"	
262	1-15	1835 1905	"	33.0	39.8	2.16	5.92	86.1	.6	15	+0.9	"	
263	1-15	2022 2040	"	40.0	60.3	2.59	6.27	156.	.6	11	+1.5	"	
264	1-15	2214 2242	"	44.0	85.4	3.29	7.02	281.	.6	14	+3.1	"	
265	1-16	0046 0116	"	52.0	155.	5.42	8.28	841.	.6	12	+3.6	"	
266	1-16	0413 0441	"	57.5	168.	6.07	8.64	1020.	.6	14	-0.7	"	
267	1-16	0740 0808	"	52.0	193.	5.77	8.10	767.	.6	14	-1.5	"	
268	1-16	1023 1055	"	50.0	110.	4.73	7.63	520.	.6	14	-0.7	"	

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	NEAR- REC. NO.	D. CH- ANGE TOTAL	METER NO.
269	1-16	1407 1430	"	46.0	94.2	4.21	7.26	397.	.6	12	-0.5	"	
270	1-17	1120 1130	TURNER-THOMAS	35.0	43.5	2.92	6.13	127.	.6	12	0	"	
271	1-17	2110 2135	KASIMOFF-CUADRAZ	54.0	136.	7.04	8.40	958.	.6	13	+1.5	"	
272	1-17	2346 0023	"	58.0	176.	7.33	8.97	1290.	.6	14	0	"	
273	1-18	0222 0257	"	59.0	185.	7.48	9.06	1390.	.6	15	+0.2	"	
274	1-18	0455 0525	"	57.5	152.	6.78	8.59	1030.	.6	15	-1.4	"	
275	1-18	0854 0918	"	53.0	108.	6.04	7.62	652.	.6	13	-1.1	"	
276	1-18	1119 1143	"	50.5	96.6	5.92	7.33	572.	.6	13	-0.3	"	
277	1-18	1421 1441	"	49.0	77.1	5.55	7.17	428.	.6	12	-0.4	"	
278	1-21	1136 1154	THOMAS-GRAUEL	34.0	26.2	3.33	5.82	87.2	.6	14	0	"	
279	1-22	1525 1539	THOMAS	30.2	20.5	3.00	5.61	61.6	.6	13	0	"	
280	1-24	1125 1143	"	29.5	18.9	2.56	5.49	48.4	.6	13	-0.1	"	
281	1-25	1025 1037	KASIMOFF-CUADRAZ	30.0	23.4	2.86	5.68	66.8	.6	10	+0.1	"	
282	1-25	1315 1328	"	30.5	23.4	2.96	5.69	69.3	.6	12	0	"	
283	1-31	0958 1040	TURNER	30.0	16.0	2.39	5.38	38.3	.6	13	0	"	
284	2-7	1026 1040	"	29.0	13.4	2.27	5.28	30.4	.6	11	0	"	
285	2-14	1100 1109	"	22.0	9.70	1.87	5.14	18.1	.6	9	0	"	
286	2-20	1123 1135	"	21.5	8.94	1.52	5.07	13.6	.6	10	0	"	
287	2-28	1237 1256	HYDE-TURNER	21.0	7.30	1.37	5.02	10.0	.6	12	0	"	
288	3-6	0938 0950	TURNER	21.6	7.90	1.70	5.08	13.4	.6	10	0	"	
289	3-7	0212 0230	KASIMOFF-CUADRAZ	29.0	15.8	1.72	5.32	27.1	.6	12	+0.2	"	
290	3-7	0522 0536	"	31.5	19.9	1.88	5.48	37.4	.6	12	0	"	
291	3-7	0825 0840	"	30.0	16.7	2.11	5.44	35.3	.6	13	0	"	
292	3-7	1525 1536	"	29.6	15.2	2.05	5.39	31.2	.6	13	0	"	
293	3-12	1425 1438	TURNER	29.8	16.2	2.50	5.42	40.5	.6	10	0	"	
294	3-14	1811 1828	KASIMOFF-MURPHY	29.7	15.9	2.30	5.41	36.5	.6	13	0	"	
295	3-15	0315 0331	"	30.1	17.9	2.34	5.46	41.8	.6	13	+0.1	"	
296	3-15	0654 0708	"	30.6	21.1	2.45	5.59	51.8	.6	13	+0.3	"	
297	3-15	0809 0831	"	30.7	26.4	2.93	5.75	77.3	.6	14	+0.1	"	
298	3-15	1058 1114	"	31.8	34.9	3.18	5.93	111.	.6	15	+0.7	"	
299	3-15	1343 1405	"	45.0	60.0	4.85	6.72	291.	.5	12	+2.3	"	
300	3-15	1425 1445	"	47.0	81.0	5.58	7.13	452.	.5	12	+2.7	"	
301	3-15	1639 1703	"	54.0	104.	5.71	7.60	594.	.5	14	-0.5	"	
302	3-15	1723 1800	"	52.0	102.	5.47	7.54	557.	.5	14	-0.1	"	

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK
below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NR.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. DO	MEAN REED. NO.	S. HT. CHANGE TOTAL	METER NO.
303	3-15	2026 2052	" "	51.0	97.0	4.47	7.24	434.	.6	15	-.09	"	
304	3-16	0115 0136	" "	46.0	70.0	4.03	6.73	282.	.6	12	-.03	"	
305	3-16	0640 0702	" "	43.0	60.9	3.46	6.42	211.	.6	11	-.04	"	
306	3-16	1122 1125	" "	40.0	54.2	3.47	6.31	188.	.6	17	+.02	"	
307	3-16	1900 1920	" "	39.5	50.8	3.37	6.22	171.	.6	15	0	"	
308	3-17	0756 0818	" "	36.5	43.2	2.99	6.02	129.	.6	15	0	"	
309	3-17	1447 1506	" "	36.5	43.0	2.91	6.01	125.	.6	16	+.01	"	
310	3-20	1300 1300	TURNER	37.0	37.2	3.44	6.02	128.	.6	14	0	FC44	
311	3-27	1043 1103	" "	44.0	67.1	3.34	6.50	224.	.6	10	-.02	"	
312	4-3	0905 0920	" "	35.5	40.0	2.60	5.92	104.	.6	16	0	"	
313	4-10	0915 0930	" "	32.1	30.8	2.24	5.67	69.0	.6	16	0	FC45	
314	4-17	0900 1010	HYDE-TURNER	32.0	24.0	1.92	5.41	43.7	.6	18	0	FC44	
315	4-24	0810 0825	TURNER	28.0	20.1	1.53	5.27	30.8	.6	12	0	"	
316	5-1	0955 1010	" "	27.5	19.9	1.54	5.27	30.6	.6	14	0	"	
317	5-8	0945 1015	" "	17.8	15.5	1.50	5.14	23.2	.6	12	0	"	
318	5-14	0940 1015	HYDE-TURNER	18.0	14.6	1.42	5.08	20.8	.6	16	-.01	"	
319	5-21	0925 0935	TURNER	17.3	13.5	1.19	5.00	16.0	.6	13	0	"	
320	5-29	0850 0915	" "	17.3	12.6	0.96	4.93	12.1	.6	18	0	"	
321	6-5	1610 1635	" "	17.1	12.0	0.78	4.86	9.4	.6	18	-.01	FC43	
322	6-12	0950 1005	" "	8.6	7.38	1.34	4.88	9.9	.6	11	0	"	
323	6-19	0945 0955	" "	8.6	7.00	1.04	4.82	7.3	.6	11	0	"	
324	6-26	0955 1010	" "	8.8	7.25	1.12	4.82	8.1	.6	10	0	"	
325	7-3	1025 1040	" "	8.6	6.74	0.85	4.76	5.7	.6	10	0	"	
326	7-10	1125 1140	" "	8.4	6.50	0.58	4.70	3.8	.6	10	0	FC44	
327	7-17	1011 1020	" "	5.5	2.42	1.24	4.68	3.0	.6	7	0	"	
328	7-17	1025 1035	" "	5.6	4.92	0.63	4.68	3.1	.6	8	0	"	
329	7-24	0950 1000	" "	5.6	4.87	0.60	4.67	2.9	.6	8	0	"	
330	7-31	0935 0945	" "	5.5	4.92	0.77	4.71	3.8	.6	8	0	"	
331	8-7	0845 0847	" "	5.6	4.75	0.51	4.63	2.4	.6	8	0	"	
332	8-13	0920 0923	" "	5.6	4.71	0.47	4.62	2.2	.6	8	0	"	
333	8-21	1030 1035	" "	4.7	4.13	0.44	4.58	1.8	.6	7	0	"	
334	8-28	0855 0901	" "	4.6	3.95	0.35	4.56	1.4	.6	7	0	"	
335	9-4	0942 0948	DEWARS-TURNER	2.7	2.31	0.52	4.54	1.2	.6	5	0	"	
336	9-11	1324 1330	TURNER	2.6	2.23	0.70	4.56	1.5	.6	5	0	"	
337	9-17	1400 1406	BLAKELY	2.6	2.12	0.42	4.49	0.89	.6	5	-.01	FC24	
338	9-24	1348 1356	" "	2.5	1.00	1.20	4.54	1.2	.5	6	0	FC44	

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK
below Mill Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NR.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. DO	MEAN REED. NO.	S. HT. CHANGE TOTAL	METER NO.
339	10-2	1005 1010	TURNER	2.5	0.98	1.12	4.53	1.1	.6	5	0	FC44	
340	10-8	1505 1510	HYDE-KASIMOFF	2.6	1.01	1.09	4.46	1.1	.6	6	0	"	
341	10-16	0635 0640	TURNER	2.4	1.10	1.09	4.49	1.2	.6	5	0	"	
342	10-23	1300 1305	" "	2.4	1.14	1.23	4.50	1.4	.6	5	0	"	
343	10-30	0935 0940	" "	2.4	1.15	1.22	4.52	1.4	.6	5	0	"	
344	11-6	0930 0945	" "	2.4	1.19	1.26	4.55	1.5	.6	5	0	"	
345	11-13	1010 1016	" "	3.0	1.75	1.20	4.57	2.1	.6	6	0	"	
346	11-16	1425 1430	KASIMOFF-GUTIERREZ	16.8	11.2	0.68	4.85	7.7	.6	12	0	"	
347	11-20	1025 1027	TURNER	5.2	3.64	1.04	4.65	3.8	.6	8	0	"	
348	11-28	0945 1000	HYDE	5.2	3.72	0.91	4.67	3.4	.6	8	0	"	
349	12-2	1445 1455	KASIMOFF-GUTIERREZ	17.5	13.9	0.94	5.05	13.0	.6	12	0	"	
350	12-4	0930 0935	HYDE	13.0	9.09	0.75	4.77	6.8	.6	12	0	"	
351	12-11	0952 0952	" "	12.5	8.97	0.54	4.70	4.8	.6	8	0	"	
352	12-18	0910 0926	" "	12.5	8.28	0.50	4.69	4.1	.6	10	0	"	
353	12-26	1105 1115	TURNER	12.8	8.62	0.67	4.74	5.8	.6	9	0	"	
354	12-31	1005 1015	" "	13.0	9.90	0.98	4.87	9.7	.6	10	0	"	
355	1-8	1000 1000	" "	14.0	11.1	1.26	5.00	14.0	.6	10	0	"	
356	1-15	1412 1412	" "	13.4	9.20	0.87	4.81	8.0	.6	9	0	"	
357	1-22	1010 1020	" "	13.0	8.77	0.71	4.74	6.2	.6	9	0	"	
358	1-29	1515 1535	BLAKELY	11.0	5.43	1.25	4.70	6.8	.6	11	0	FC24	
359	2-5	1505 1515	" "	10.3	4.94	1.09	4.69	5.4	.6	11	0	"	
360	2-13	1455 1505	" "	10.0	5.16	0.97	4.68	5.0	.5	10	0	"	
361	2-19	1520 1530	" "	10.0	4.71	1.10	4.69	5.2	.6	10	0	"	
362	2-26	1337 1347	" "	10.7	5.48	1.11	4.73	6.1	.6	11	0	"	
363	3-5	1500 1500	" "	10.0	4.96	1.09	4.70	5.4	.5	10	0	"	
364	3-12	1340 1348	" "	10.5	5.34	1.07	4.69	5.4	.6	10	0	"	
365	3-19	1248 1258	" "	10.5	5.03	1.07	4.68	5.4	.6	10	0	"	
366	3-26	1404 1414	" "	10.5	4.82	1.08	4.68	5.2	.6	10	0	"	
367	4-2	1339 1347	" "	10.5	4.64	1.08	4.66	5.0	.6	10	0	"	
368	4-9	1452 1452	" "	10.5	4.68	0.96	4.66	4.5	.6	10	0	"	
369	4-16	1015 1030	WHISLER	10.5	4.73	0.95	4.65	4.5	.6	10	0	FC5	
370	4-23	1118 1135	" "	11.0	4.89	0.88	4.68	4.3	.6	12	0	"	
371	4-30	1055 1115	" "	11.0	4.82	0.91	4.67	4.4	.6	12	0	"	
372	5-7	1030 1045	" "	10.0	4.15	0.75	4.62	3.1	.6	11	0	"	
373	5-14	1055 1100	" "	8.0	2.47	1.13	4.62	2.8	.6	9	0	"	
374	5-21	1038 1018	" "	7.5	2.27	1.14	4.61	2.6	.6	9	0	FC44	
375	5-28	1204 1214	BLAKELY	9.4	2.68	1.27	4.65	3.4	.5	9	0	FC24	
376	6-4	1520 1526	" "	8.0	2.01	1.00	4.58	2.0	.5	8	0	"	
377	6-11	1216 1216	" "	7.3	1.84	1.00	4.56	1.8	.5	8	0	"	
378	6-18	1048 1056	GODFREY-BLAKELY	7.3	1.92	1.04	4.57	2.0	.5	8	0	"	
379	6-25	1505 1511	BLAKELY	3.6	0.73	0.67	4.46	0.49	.5	8	0	"	
380	7-2	1544 1550	" "	2.5	0.47	0.47	4.41	0.22	.5	6	0	"	
381	7-9	0910 0920	HYDE	3.1	0.59	0.48	4.43	0.28	.5	7	0	"	
382	7-16	1520 1526	BLAKELY	1.5	0.18	0.17	4.34	0.03	.5	4	0	"	
383	8-6	1056 1100	" "	2.3	0.39	0.49	4.41	0.19	.5	6	0	"	
384	9-17	1349 1349	" "	2.0	0.24	0.29	4.34	0.07	FLOATS	5	0	"	
385	9-24	1100 1104	" "	2.2	0.23	0.48	4.39	0.11	FLOATS	5	0	"	

FORM 7.0 DUC 23 7-54

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.06	0.2	0.6	9.9	4.7	2.5	1.29	2.9	1.2	6.2	2.4	0.7
2	0.07	0.2	0.7	6.8	4.3	1.7	1.16	2.8	1.2	5.9	2.0	0.7
3	0.07	0.2	0.6	5.9	3.8	1.4	1.07	2.6	1.2	5.0	1.9	0.7
4	0.07	0.2	0.7	5.9	3.4	1.4	9.7	2.5	1.1	4.7	1.7	0.7
5	0.07	0.2	0.8	3.3	3.4	1.4	8.7	2.4	1.1	4.4	1.7	0.7
6	0.06	0.3	1.2	5.0	3.2	1.4	7.7	2.4	1.1	3.8	1.7	0.6
7	0.06	0.3	0.9	7.9	3.0	3.1	7.9	2.4	1.1	3.6	1.7	0.6
8	0.06	0.3	0.7	5.3	2.9	2.6	9.5	2.3	1.1	3.4	1.7	0.6
9	0.06	0.3	0.6	4.0	2.6	2.7	7.1	2.2	1.0	3.4	1.7	0.6
10	0.06	0.3	0.6	4.0	2.5	4.0	7.1	2.0	9.9	3.4	1.7	0.8
11	0.06	0.3	0.9	3.8	2.4	5.4	6.4	2.0	9.5	3.4	1.7	1.3
12	0.06	0.2	3.1	5.5	2.2	4.3	5.8	2.0	9.5	3.0	1.6	1.5
13	0.06	0.2	4.7	1.74	1.9	4.1	5.4	1.9	9.1	3.0	1.6	1.2
14	0.06	0.2	4.4	4.4	1.8	3.7	5.1	1.9	8.3	3.0	1.5	1.0
15	0.06	0.2	2.0	8.1	1.7	2.45	4.7	1.9	7.9	2.8	1.5	0.8
16	0.06	0.2	1.9	5.5	1.7	2.00	4.4	1.8	7.2	2.6	1.2	0.8
17	0.06	0.2	1.5	3.9	1.7	1.66	4.2	1.8	6.8	2.4	1.2	0.7
18	0.06	0.2	1.5	6.74	1.5	1.23	4.0	1.6	6.5	2.2	1.2	1.5
19	0.06	0.7	1.5	2.04	1.4	1.30	4.2	1.5	6.2	1.9	1.2	1.5
20	0.06	3.2	1.5	1.21	1.4	1.34	3.9	1.5	6.2	1.7	1.2	1.6
21	0.07	1.6	1.3	8.7	1.3	1.16	3.6	1.5	6.2	1.9	1.2	1.3
22	0.07	0.7	1.2	6.6	1.2	9.8	3.2	1.4	6.2	2.0	1.1	1.3
23	0.07	0.8	1.2	5.6	1.2	9.4	3.1	1.4	6.2	1.9	1.0	1.4
24	0.1	0.8	1.1	5.0	1.2	1.31	2.9	1.3	7.5	2.0	1.0	1.1
25	0.2	0.7	1.1	5.8	1.1	2.63	3.6	1.2	7.5	2.0	0.8	1.2
26	0.6	0.6	1.1	6.4	1.0	2.76	4.5	1.2	7.9	1.9	1.0	1.2
27	0.3	0.6	1.1	5.2	1.0	2.54	4.2	1.2	7.9	2.4	1.0	1.1
28	0.3	0.7	1.1	4.8	1.0	2.14	3.6	1.1	7.5	3.4	0.9	1.1
29	0.2	0.6	5.4	4.1	1.4	1.86	3.4	1.1	7.2	4.5	1.0	1.0
30	0.2	0.6	2.4	4.1	1.4	1.62	3.2	1.1	6.5	4.0	0.8	0.8
31	0.2	0.6	2.4	4.1	1.4	1.42	3.2	1.2	6.2	3.2	0.7	0.8
5.45 15.9 135.3 2950.2 618.9 3299 1765 562 259.7 99.0 42.5 29.1												
MEAN	0.18	0.53	4.36	95.2	21.3	1.6	52.8	18.1	4.66	3.19	1.37	0.97
ACRE- FEET	11.	32.	268.	5950.	1230.	6540.	3500.	1110.	515.	196.	84.	58.
Remarks:												
	YEAR MEAN 26.7											
	OR PERIOD ACRE-FEET 19390.											

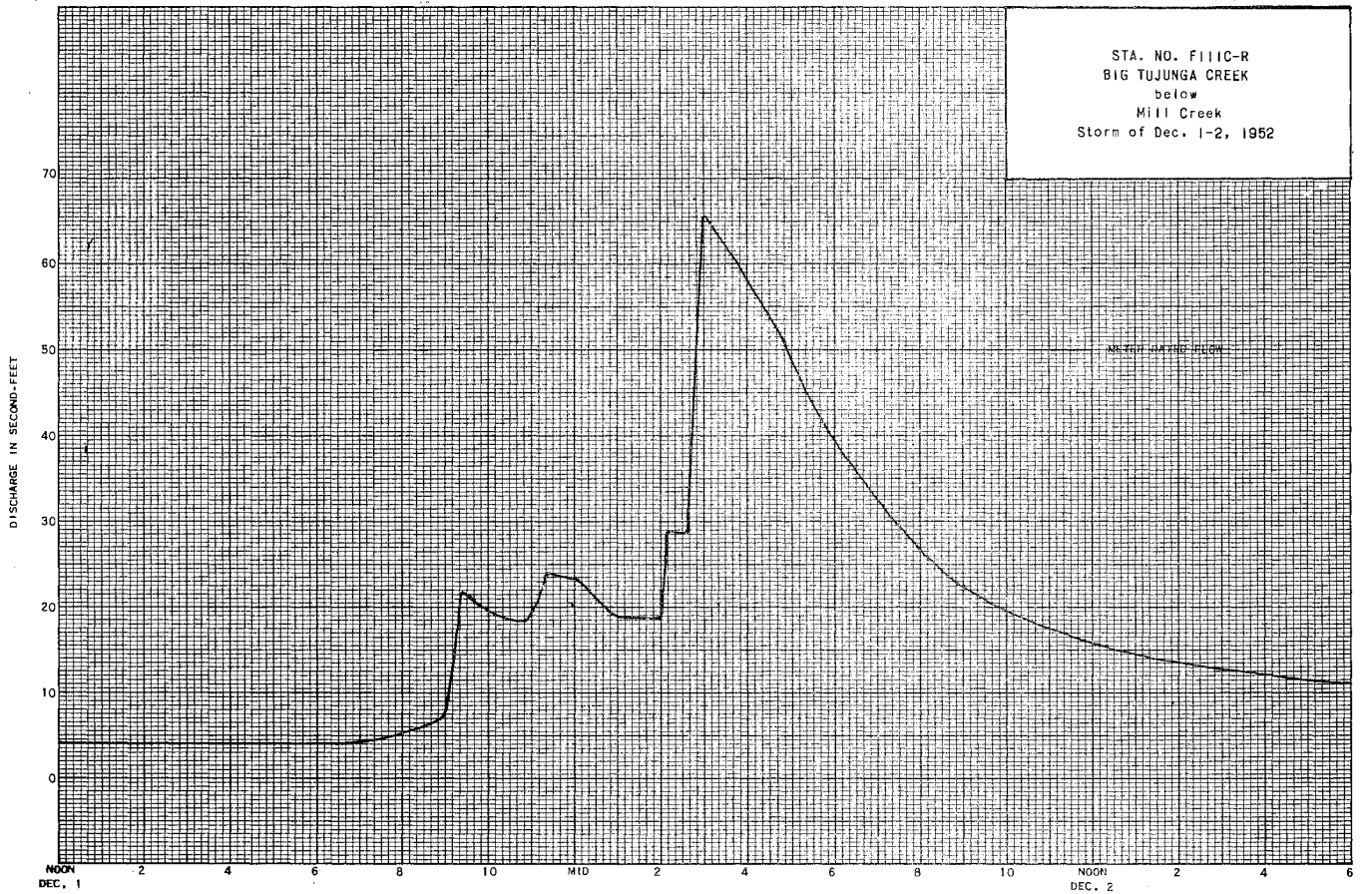
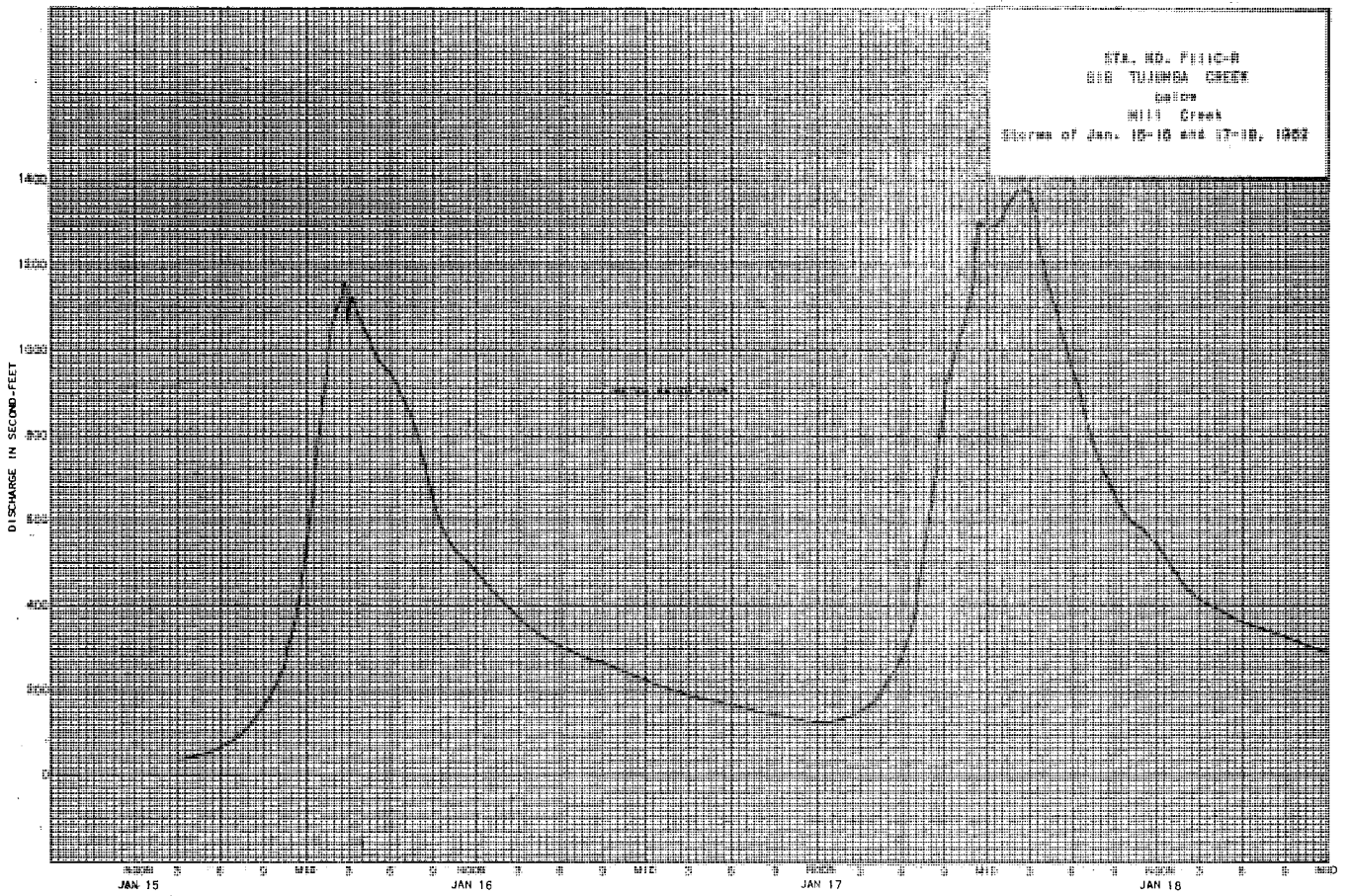
FORM 7.0 DUC 23 7-54

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	1.6	6.3	7.9	5.6	6.8	5.0	3.8	2.8	0.3	0.2	0.1
2	0.7	1.5	2.2	7.5	5.6	6.5	4.7	3.4	2.8	0.3	0.2	0.1
3	0.7	1.5	7.2	7.2	5.3	6.2	4.7	3.0	2.4	0.2	0.2	0.1
4	0.8	1.3	5.9	6.2	5.3	5.9	4.4	2.5	2.2	0.2	0.1	0.1
5	0.8	1.4	5.2	6.8	5.3	5.0	4.7	2.5	2.2	0.2	0.1	+
6	1.0	1.5	5.3	1.3	5.3	5.0	4.4	2.6	2.2	0.2	0.1	
7	1.0	1.6	5.0	1.4	5.3	4.7	4.4	2.8	2.4	0.2	0.1	
8	1.2	1.8	4.7	1.4	5.3	5.0	4.4	2.6	2.4	0.2	0.1	
9	1.2	1.9	4.7	1.1	5.3	5.0	4.4	2.6	2.2	0.2	0.1	
10	1.3	2.0	4.7	9.9	5.3	5.3	4.4	2.4	1.9	0.1	0.1	
11	1.2	2.1	4.4	8.7	5.3	5.3	4.4	2.2	1.5	0.1	0.1	
12	1.1	2.2	4.0	9.1	5.3	5.3	4.4	2.0	1.5	0.1	0.1	
13	1.0	4.2	4.0	9.9	5.3	5.0	4.4	2.4	1.5	0.1	0.1	
14	1.0	1.5	3.8	8.3	5.3	5.0	4.4	2.8	1.3	0.1	+	
15	1.0	9.5	3.8	7.2	5.3	5.0	4.0	3.0	1.6	0.1	0.1	
16	1.0	4.4	3.8	6.8	5.3	5.0	4.0	3.0	1.9	0.2	0.1	
17	1.1	3.8	4.4	6.8	5.3	5.0	3.8	2.6	2.2	0.1	0.1	
18	1.1	3.8	4.0	6.8	5.3	5.3	3.8	2.4	2.2	0.1	0.1	
19	1.1	3.8	2.2	6.8	5.3	7.9	4.7	2.4	2.0	0.1	0.1	+
20	1.1	3.8	1.2	6.5	5.6	6.2	5.9	2.4	1.5	0.1	0.1	0.1
21	1.1	3.6	9.9	6.2	5.6	5.6	4.4	2.4	1.1	0.1	0.1	0.1
22	1.2	3.6	7.9	5.9	6.2	5.3	4.0	2.2	0.7	+	0.1	0.1
23	1.2	3.4	7.2	5.9	6.2	5.3	4.0	2.2	0.7	+	0.1	0.1
24	1.2	3.4	2.2	6.2	6.2	5.3	3.6	2.4	0.5	+	0.1	0.1
25	1.2	3.2	6.2	6.5	6.2	5.0	3.2	2.8	0.5	+	0.1	0.1
26	1.1	3.4	6.2	6.5	5.9	5.0	4.0	2.8	0.5	0.1	0.1	0.1
27	1.1	3.4	9.5	6.5	5.9	5.0	4.7	3.4	0.5	0.1	0.1	0.1
28	1.0	3.4	7.9	6.8	5.9	5.0	4.4	3.2	0.4	0.1	0.1	0.1
29	1.2	5.0	8.7	6.5	5.3	5.3	4.4	3.0	0.4	0.1	0.1	0.1
30	1.3	5.0	9.9	6.2	5.3	5.3	4.4	2.8	0.4	0.1	0.1	0.1
32.4 102.3 224.6 244.1 155.3 168.4 150.1 84.6 48.2 3.9 2.0 1.2												
MEAN	1.05	3.41	7.25	7.87	5.55	5.43	4.34	2.73	1.61	0.13	0.06	0.04
ACRE- FEET	64.	203.	445.	484.	308.	334.	258.	168.	96.	7.7	4.0	2.4
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR MEAN 3.28											
	OR PERIOD ACRE-FEET 2370.											



STATION F188-R
BIG TUJUNGA CREEK below Big Tujunga Dam

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

DRAINAGE AREA: 82.7 SQUARE MILES.

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

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

RECORDER: INSTALLED ON NOVEMBER 8, 1932. WASHED OUT DURING THE MARCH 2, 1938 STORM. INSTALLED ON MAY 31, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL AT APPROXIMATELY THE SAME LOCATION AS THE OLD WELL. AN AUTOMATIC RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
 - MAXIMUM 1860 SECOND-FOOT JANUARY 18.
 - MINIMUM 0.5 SECOND-FOOT SEVERAL DAYS IN NOVEMBER AND DECEMBER.
- 1952-53
 - MAXIMUM 86 SECOND-FOOT SEPTEMBER 22.
 - MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.
- 1932-53
 - MAXIMUM 33,000 SECOND-FOOT, ESTIMATED MARCH 2, 1938.
 - MINIMUM NO FLOW SEVERAL DAYS IN OCTOBER 1936.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK
below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. CO.	MEAN. REC. NO.	R. CH. CHANGE TOTAL	MEYER NO.
1247	10-4	1300	TURNER					2.3					
1248	10-11	1325	"					2.2					
1249	10-18	0915	"					2.2					
1250	10-23	1220 1235	"	4.8	3.69	0.70		2.6	.6	11	0	FC43	
1251	10-24	0850	"					2.6					
1252	11-1	1450	"					3.4					
1253	11-8	1350	"					1.2					
1254	11-15	1430	SPENCER					0.48					
1255	11-21	1514	"					0.73					
1256	11-29	1305	"					0.51					
1257	12-6	1320	"					0.62					
1258	12-20	1400	TURNER					0.77					
1259	12-27	1405	"					0.73					
1260	1-3	1126 1135	"	8.2	8.55	1.34	3.59	9.7	.6	9	0	FC23	
1261	1-13	0939 0952	THOMAS-GRAUEL	61.0	151.	1.40	5.96	212.	.6	10	-.08		
1262	1-13	1132 1200	"	64.0	190.	1.70	6.55	324.	.6	13	-.02		
1263	1-13	1518 1536	"	62.0	186.	1.55	5.49	289.	.6	11	0		
1264	1-13	2127 2150	"	71.0	242.	2.42	7.17	587.	.6	13	-.01		
1265	1-14	0900 0922	"	68.0	207.	1.96	6.05	411.	.6	14	-.05		
1266	1-14	1107 1135	"	60.0	166.	1.75	6.32	291.	.6	13	-.02		
1267	1-15	1228 1236	"	5.7	3.30	0.42	2.32	1.4	.5	7	0		
1268	1-16	0930 0955	"	70.0	232.	2.28	7.27	528.	.6	15	-.01		
1269	1-16	1840 1915	"	68.0	212.	2.68	7.24	568.	.6	15	-.01		
1270	1-17	0715 0748	"	67.0	189.	2.90	7.13	549.	.6	15	-.02		
1271	1-17	1725 1807	"	67.0	185.	2.83	7.04	524.	.6	14	+.02		
1272	1-18	0106 0135	"	73.0	265.	3.92	8.10	1040.	.6	16	-.03		
1273	1-18	0410 0445	"	79.0	294.	5.71	8.70	1680.	.6	16	-.15		
1274	1-18	0640 0720	"	77.0	233.	7.64	8.64	1780.	.6	17	-.04		
1275	1-18	0900 0936	"	74.0	180.	6.50	8.13	1170.	.6	17	0		
1276	1-18	1430 1458	"	74.0	175.	5.83	7.96	1020.	.6	10	-.02		
1277	1-18	1723 1748	"	68.0	168.	4.68	7.42	787.	.6	11	0		
1278	1-19	1337 1405	"	60.0	111.	3.44	6.04	382.	.6	15	0		
1279	1-20	1725 1820	"	59.0	120.	3.15	6.00	378.	.6	9	0		
1280	1-21	0625 0635	"	53.0	90.6	2.29	5.62	207.	.6	13	-.01		
1281	1-21	0900 0915	"	14.7	12.7	2.08	4.86	25.8	.6	9	0		
1282	1-21	2035 2059	"	57.0	112.	2.76	5.78	309.	.6	13	0		
1283	1-22	2120 2130	THOMAS	50.5	60.6	1.26	5.18	76.5	.6	15	0	FC42	
1284	1-24	1310 1332	"	50.0	54.9	1.38	5.18	75.6	.6	12	0		
1285	1-25	1215 1235	THOMAS-JACKLAY	41.5	59.3	1.32	5.19	78.5	.6	11	0		
1286	1-31	1420 1435	TURNER	45.0	39.4	0.95	4.94	37.5	.6	11	0	FC43	
1287	2-7	1440 1455	"	40.5	48.3	0.84	4.97	40.4	.6	14	0		
1288	2-14	1425 1447	"	33.5	27.1	0.71	4.68	19.3	.6	12	0		
1289	2-20	1535 1550	"	34.0	28.0	0.67	4.68	18.8	.6	11	0		
1290	2-28	1520 1540	HYDE-TURNER	THREE CHANNELS			4.37	4.7	.6	19	0		
1291	3-6	1330 1342	TURNER	"	"		4.37	4.7	.6	18	0		
1292	3-7	1210 1218	THOMAS-GRAUEL	52.0	69.0	1.58	5.28	108.	.6	14	0	FC42	
1293	3-7	1710 1736	"	52.0	64.3	1.47	5.27	94.6	.6	13	0		
1294	3-8	0630 0656	"	53.0	82.7	2.01	5.44	166.	.6	14	0		

DISCHARGE MEASUREMENTS OF **BIG TUJUNGA CREEK**
 below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 **52**

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE RED. FT.	RAT- ION	METH- OD	WEAR RED. NO.	S. BY CHANGE TOTAL	METER NO.
1295	3-9	0900 0956	" "	52.5	78.1	2.08	5.42	163.	.6	15	0	"	
1296	3-10	0730 0750	THOMAS	52.5	70.2	1.91	5.36	134.	.6	15	-.08	"	
1297	3-10	0945 1010	" "	13.4	17.8	1.94	4.86	34.5	.6	15	0	"	
1298	3-10	1130 1155	" "	19.5	23.5	1.44	4.85	33.9	.6	11	0	"	
1299	3-12	1020 1035	TURNER	43.5	33.4	1.00	4.84	33.7	.6	15	0	FC43	
1300	3-13	1430 1445	" "	47.0	48.0	1.41	5.09	67.8	.6	17	0	"	
1301	3-15	0710 0736	THOMAS	49.5	57.6	1.24	5.09	71.5	.6	13	0	FC42	
1302	3-15	1300 1319	THOMAS-GRAEL	50.0	59.2	1.31	5.15	77.8	.6	13	+.01	"	
1303	3-15	1655 1718	" "	56.0	93.0	2.47	5.57	230.	.6	17	+.01	"	
1304	3-15	2140 2150	" "	61.0	131.	3.72	6.10	488.	.6	14	+.01	FC23	
1305	3-16	0710 0738	" "	59.0	125.	3.69	6.10	461.	.6	14	-.01	"	
1306	3-16	1105 1134	" "	59.0	124.	3.61	6.08	448.	.6	14	-.01	"	
1307	3-16	1735 1750	" "	58.0	114.	3.69	6.07	421.	.6	9	0	"	
1308	3-17	0723 0739	" "	57.0	113.	3.72	6.32	421.	.6	8	0	"	
1309	3-17	1030 1054	" "	57.0	116.	3.53	6.00	410.	.6	13	0	"	
1310	3-17	1240 1256	" "	52.5	76.3	1.95	5.36	149.	.6	15	0	"	
1311	3-20	1555 1620	TURNER	TWO CHANNELS			5.38	168.	.6	23	0	"	
1312	3-27	1400 1420	" "	49.0	80.2	1.73	5.30	139.	.6	15	0	FC43	
1313	3-29	0950 1008	" "	53.5	100.	2.35	5.52	235.	.6	16	0	"	
1314	4-3	1410 1435	" "	54.0	97.0	2.14	5.48	208.	.6	19	0	"	
1315	4-7	0945 1005	" "	50.5	83.9	2.21	5.42	186.	.6	17	0	FC45	
1316	4-7	1410 1425	" "	36.5	38.2	0.56	4.69	21.3	.6	14	0	"	
1317	4-10	1400 1415	" "	8.0	3.82	1.47	3.68	5.6	.6	9	0	FC43	
1318	4-17	1340 1358	HYDE-TURNER	6.6	2.92	1.64	3.75	4.8	.6	9	0	"	
1319	4-24	1125 1135	TURNER	12.0	4.41	0.95	3.82	4.2	.6	10	0	"	
1320	5-8	1410 1425	" "	20.2	20.3	0.50	4.00	10.2	.6	13	0	"	
1321	5-14	1315 1340	TURNER-HYDE	28.5	32.4	0.88	4.27	28.5	.6	16	0	"	
1322	5-21	1115 1130	TURNER	24.2	25.0	0.76	4.08	19.1	.6	15	0	"	
1323	5-29	1315 1340	" "	24.5	24.9	0.74	4.07	18.4	.6	15	0	"	
1324	6-5	1004 1028	" "	18.3	18.0	0.78	3.91	13.7	.6	10	0	"	
1325	6-12	1455 1515	" "	18.3	18.4	0.75	3.93	13.8	.6	20	0	"	
1326	6-19	1440 1505	" "	18.3	19.2	0.68	3.98	13.0	.6	20	0	U.S.E.D 35617	
1327	6-26	1330 1355	" "	17.8	15.4	0.44	3.78	6.7	.6	19	0	FC44	
1328	7-3	1655 1730	" "	18.2	17.6	0.49	3.88	8.6	.6	19	0	"	
1329	7-10	1535 1605	" "	18.8	23.8	0.84	4.20	20.0	.6	21	0	FC43	
1330	7-17	1540 1605	" "	18.8	23.1	0.87	4.16	20.0	.6	20	0	"	
1331	7-24	1320 1345	" "	18.8	23.5	0.80	4.18	18.9	.6	20	0	"	
1332	7-31	1420 1450	" "	18.8	24.1	0.76	4.21	18.9	.6	20	0	"	
1333	8-7	1410 1440	" "	18.8	24.0	0.81	4.19	19.4	.6	20	0	"	
1334	8-13	1125 1140	" "	18.8	24.4	0.81	4.20	19.8	.6	12	0	"	
1335	8-14	1055 1116	THOMAS	23.6	30.1	0.75	4.30	22.5	.6	15	0	FC42	
1336	8-14	1530 1545	" "	23.6	29.9	0.76	4.30	22.8	.6	14	0	"	
1337	8-14	1530 1549	" "	24.4	31.3	0.85	4.35	26.6	.6	14	0	"	
1338	8-21	1330 1400	TURNER	24.2	31.4	0.80	4.32	25.0	.6	16	0	FC43	
1339	8-28	1340 1425	" "	24.2	31.4	0.79	4.31	24.9	.6	16	0	"	
1340	9-4	1325 1345	DEWINS-TURNER	24.5	31.9	0.82	4.33	26.0	.6	17	0	"	
1341	9-4	1330 1410	" "	24.5	31.6	0.80	4.33	25.2	.6	17	0	"	
1342	9-11	1025 1045	TURNER	24.4	31.9	0.75	4.31	24.0	.6	15	0	"	
1343	9-17	1019 1027	BLAKELY	23.5	26.2	0.64	4.09	16.9	.6	11	0	FC24	
1344	9-24	1330 1340	" "	18.1	9.63	1.65	4.06	15.9	.6	11	0	"	

DISCHARGE MEASUREMENTS OF **BIG TUJUNGA CREEK**
 below Big Tujunga Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 **53**

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE RED. FT.	RAT- ION	METH- OD	WEAR RED. NO.	S. BY CHANGE TOTAL	METER NO.
1345	10-9	1423 1435	TURNER	18.2	22.2	0.68	4.15	15.0	.6	12	0	FC43	
1346	10-16	1340 1355	" "	18.0	20.9	0.69	4.08	14.4	.6	11	0	"	
1347	10-23	0925 0940	" "	17.4	17.5	0.50	3.90	8.8	.6	12	0	"	
1348	10-30	1435 1450	" "	17.4	17.0	0.49	3.88	8.3	.6	12	0	"	
1349	11-6	1130 1145	" "	17.4	17.0	0.46	3.86	7.7	.6	12	0	"	
1350	11-13	1300 1315	" "	17.4	16.5	0.47	3.85	7.8	.6	11	0	"	
1351	11-15	2145 2206	KASIMOFF-GUTIERREZ	17.7	17.6	0.44	3.89	7.8	.6	11	0	FC23	
1352	11-16	0823 0840	" "	17.6	17.4	0.44	3.87	7.7	.6	12	0	"	
1353	11-20	1305 1320	TURNER	17.5	16.5	0.47	3.85	7.8	.6	11	0	FC43	
1354	11-28	1418 1435	HYDE	17.5	16.7	0.50	3.84	8.3	.6	11	0	FC35	
1355	12-2	0020 0040	KASIMOFF-GUTIERREZ	17.8	17.5	0.46	3.89	8.0	FL0AT	13	0	FC23	
1356	12-4	1242 1256	HYDE	17.9	17.2	0.48	3.86	8.2	.6	11	0	FC35	
1357	12-11	1306 1323	" "	17.8	16.9	0.47	3.84	7.9	.6	12	0	"	
1358	12-18	1135 1150	" "	17.8	17.2	0.45	3.86	7.7	.6	12	0	"	
1359	12-26	1428 1440	TURNER	17.6	17.3	0.47	3.88	8.2	.6	10	0	FC43	
1360	12-31	1355 1410	" "	17.6	17.3	0.48	3.90	8.3	.6	11	0	"	
1361	1-8	1315 1330	TURNER-SCHONNING	17.8	17.6	0.53	3.90	9.4	.6	11	0	"	
1362	1-15	1040 1055	TURNER	17.8	17.5	0.50	3.90	8.8	.6	11	0	"	
1363	1-22	1325 1340	TURNER-SCHONNING	17.8	17.6	0.51	3.90	9.0	.6	11	0	"	
1364	1-29	1230 1240	BLAKELY	17.0	13.4	0.34	3.64	4.5	.6	11	0	FC24	
1365	2-2	1508 1528	STUNDEN	22.5	32.8	1.15	4.49	37.7	.6	15	+.01	FC36	
1366	2-2	1633 1653	" "	23.0	33.7	4.11	4.51	37.4	.6	16	0	"	
1367	2-5	1000 1016	BLAKELY	23.3	32.8	1.12	4.49	36.8	.6	14	0	FC24	
1368	2-5	1310 1326	" "	24.5	37.9	1.36	4.66	51.4	.6	14	0	"	
1369	2-13	1040 1050	" "	1.8	0.57	0.33	2.72	0.19	.5	5	0	"	
1370	2-19	1132 1132	" "	1.7	0.45	0.31	2.70	0.14	.5	5	0	"	
1371	2-26	1437 1443	" "	2.0	0.33	0.42	2.70	0.14	.5	5	0	"	
1372	3-5	1425 1425	" "	2.0	0.32	0.50	2.71	0.16	.5	5	0	"	
1373	3-12	1134 1138	" "	2.0	0.32	0.44	2.69	0.14	.5	5	0	"	
1374	3-19	1057 1055	" "	7.3	4.16	1.13	3.61	4.7	.6	8	0	"	
1375	3-26	1040 1046	" "	3.0	1.12	1.18	2.89	1.3	.5	7	0	"	
1376	4-2	1100 1106	" "	2.5	0.95	1.16	2.88	1.1	.5	6	0	"	
1377	4-9	1100 1106	" "	3.0	1.11	1.17	2.90	1.3	.5	7	0	"	
1378	4-16	1245 1253	WHISLER	5.0	1.08	1.02	2.91	1.1	.5	6	0	FC5	
1379	4-23	1315 1336	" "	4.2	1.65	0.73	2.95	1.2	.6	10	0	"	
1380	4-30	1255 1308	" "	4.5	1.75	0.69	2.96	1.2	.6	9	0	"	
1381	5-7	1225 1238	" "	5.0	1.44	0.76	2.98	1.1	.6	10	0	"	
1382	5-14	1305 1318	" "	9.0	2.99	1.20	3.46	3.6	.6	11	0	"	
1383	5-21	1252 1252	" "	9.2	3.25	1.20	3.45	3.9	.6	12	0	"	
1384	5-28	1358 1410	BLAKELY	9.2	3.49	1.20	3.45	4.2	.6	11	0	FC24	
1385	6-4	1054 1101	" "	9.5	3.66	1.12	3.45	4.1	.5	11	0	"	
1386	6-11	1415 1425	" "	9.5	3.58	1.11	3.45	4.0	.5	11	0	"	
1387	6-18	1345 1300	GODFREY-BLAKELY	8.9	3.40	1.09	3.44	3.7	.5	11	0	"	
1388	6-25	1058 1108	BLAKELY	10.4	5.24	1.16	3.80	6.1	.6	11	0	"	
1389	7-2	1053 1107	" "	15.0	4.82	1.20	3.75	5.8	.5	16	0	"	
1390	7-9	1220 1242	HYDE-SCHONNING	14.0	4.87	1.27	3.74	6.2	.5	16	0	"	
1391	7-16	1332 1332	BLAKELY	16.0	4.86	1.17	3.74	5.7	.5	11	0	"	
1392	7-23	1332 1340	" "	15.5	5.72	1.33	3.80	7.6	.5	9	0	"	
1393	7-30	1245 1257	" "	14.5	5.72	1.26	3.80	7.2	.5	16	0	"	
1394	8-6	1450 1456	" "	15.0	6.78	1.34	3.87	9.1	.5	16	0	"	

STATION F. C. Dist. 22 9-59

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	3.4	0.5	e 0.7	3.9	4.9	223	4.4	18.3	8.3	18.7	2.5
2	1.9	3.4	0.5	5.2	3.9	4.7	215	4.4	18.3	9.0	19.5	2.5
3	2.3	3.1	0.5	9.8	4.1	4.7	208	4.4	18.3	8.6	19.5	2.6
4	2.3	2.5	0.6	10	4.1	4.7	208	4.4	15.4	8.6	19.5	2.6
5	2.3	2.3	0.7	10	4.1	4.7	205	4.4	10.9	8.6	19.5	2.6
6	2.3	2.2	0.6	8.8	4.1	4.9	195	7.6	5.7	8.6	19.5	2.6
7	2.3	2.1	0.6	10.5	4.1	6.3	105	10.1	6.0	8.6	19.5	2.6
8	2.3	1.5	0.6	10.2	4.1	13.7	20	10.1	7.4	8.6	19.5	2.5
9	2.2	0.7	0.6	10.2	3.0	16.3	19.5	15.0	9.7	8.6	19.5	2.5
10	2.2	0.6	0.6	10.2	19.5	7.3	e 11.4	2.8	10.1	14.9	20	2.4
11	2.2	0.5	0.6	10.2	19.5	3.4	e 5.5	2.8	11.6	20	20	2.4
12	2.2	0.6	0.8	14.2	20.6	3.4	e 5.5	2.8	13.3	20	20	2.3
13	2.2	0.5	0.7	23.4	19.0	5.0	5.5	2.9	13.3	20	20	2.3
14	2.2	0.5	0.7	28.3	19.0	7.1	5.2	2.5	13.3	20	23	2.3
15	2.2	0.5	0.7	3.5	19.0	15.8	5.0	18.9	13.3	20	27	19.0
16	2.2	0.5	0.7	49.7	18.4	44.7	4.7	18.9	13.3	20	27	16.8
17	2.2	0.5	0.7	54.1	18.4	28.4	4.7	18.9	13.3	20	27	16.8
18	2.2	0.5	0.7	104.0	18.4	14.9	4.7	18.9	13.3	19.5	26.6	16.3
19	2.2	0.7	0.8	31.2	19.0	15.4	5.0	18.9	12.9	19.5	26	16.3
20	2.2	1.1	0.8	56.8	19.0	16.6	4.7	18.9	11.8	18.9	25	16.3
21	2.2	0.8	0.8	13.8	19.0	16.6	4.7	18.9	10.1	18.9	25	16.3
22	2.2	0.7	0.8	10.3	19.0	16.9	4.7	18.9	10.9	18.9	25	16.3
23	2.6	0.7	0.8	7.6	19.0	16.6	4.4	18.3	10.1	18.9	25	15.8
24	2.7	0.6	0.7	7.8	19.0	16.6	4.2	18.3	8.3	18.9	25	15.8
25	3.5	0.6	0.7	7.8	12.3	16.6	5.0	18.3	7.6	18.9	25	15.8
26	3.6	0.6	0.7	7.8	b 4.7	15.1	5.0	18.3	6.7	18.9	25	15.8
27	3.7	0.6	0.7	7.8	b 4.7	14.3	5.0	18.3	6.7	18.9	25	15.3
28	3.6	0.5	0.6	7.6	b 4.7	17.2	5.0	18.3	7.0	18.9	25	15.3
29	3.6	0.5	1.0	6.0	4.9	23.7	4.7	18.3	7.0	18.9	25	15.3
30	3.6	0.5	1.3	3.9		23.7	4.7	18.3	7.3	18.9	25	15.3
31	3.5	0.8		3.8		23.0		18.3		18.9	25	
	78.9	33.9	21.9	423.1	670.7	4016.6	1507.9	518.7	534.8	498.2	710.7	605.5

MEAN	2.55	1.13	0.71	136.	23.1	129.	50.3	16.7	11.0	16.1	22.0	20.2
ACRE- FEET	156.	67.	43.	930.	1330.	7970.	2990.	1030.	657.	988.	1410.	1200.

Remarks:

YEAR OR PERIOD MEAN ACRE-
FEET 26230.

STATION F. C. Dist. 22 9-59

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 15.3	8.2	8.3	8.2	4.5	0.2	1.1	1.2	4.3	6.0	8.4	7.8
2	15.3	8.0	8.2	8.2	17.5	0.2	1.1	1.2	4.3	6.0	9.2	7.5
3	15.3	8.0	8.2	8.2	3.7	0.2	1.1	1.1	4.3	6.0	9.2	7.3
4	15.3	8.0	8.2	8.2	4.4	0.2	1.2	1.1	4.2	6.0	9.2	7.3
5	15.1	8.0	8.2	8.5	4.4	0.2	1.2	1.1	4.2	6.0	9.2	7.3
6	15.1	8.0	8.0	8.5	3.1	0.2	1.2	1.1	4.2	6.2	8.9	7.3
7	15.0	8.0	8.0	8.9	3.9	0.1	1.3	1.1	4.2	6.2	8.9	7.3
8	15.0	8.0	8.0	9.2	a 0.4	0.1	1.3	1.1	4.1	6.2	8.9	7.3
9	b 15.0	8.0	8.0	9.2	a 0.2	0.1	1.3	1.1	4.1	6.2	8.9	7.3
10	14.8	8.0	8.0	8.9	0.2	0.1	1.3	1.1	4.0	6.2	8.7	7.3
11	14.7	8.0	8.0	8.7	0.2	0.1	1.2	1.1	4.0	6.0	8.7	7.3
12	14.7	7.8	8.0	8.7	a 0.2	0.1	1.2	5.0	4.0	6.0	8.7	7.0
13	14.7	7.8	7.8	8.7	0.2	0.1	1.2	3.6	4.0	5.8	8.7	7.0
14	14.3	8.1	7.8	8.7	0.2	2.0	1.2	3.6	3.9	5.8	8.7	7.0
15	14.3	8.6	7.8	8.7	0.2	4.6	1.1	3.6	3.8	5.7	8.7	6.9
16	14.3	7.8	7.8	8.7	0.2	4.7	1.1	3.6	3.7	5.7	8.7	6.7
17	14.3	7.8	7.8	8.7	0.2	4.7	a 1.1	3.7	3.7	5.7	8.7	6.7
18	14.3	7.8	7.8	8.7	0.1	4.7	1.1	3.7	3.7	5.7	8.7	6.5
19	14.0	7.8	7.8	8.9	0.1	4.8	1.2	3.8	3.7	5.7	8.7	6.4
20	14.0	7.8	8.7	8.9	0.1	4.8	1.2	3.9	3.8	5.5	8.7	6.4
21	11.1	7.8	8.2	8.9	0.1	4.5	1.2	3.9	3.8	5.5	8.7	6.2
22	8.7	7.8	8.2	8.9	0.1	4.4	a 1.2	3.9	3.8	5.7	8.7	20
23	8.7	7.8	8.2	8.7	0.1	4.4	1.2	4.0	3.7	7.5	8.7	20
24	8.7	7.5	8.2	8.7	0.1	4.4	1.2	4.0	5.2	7.5	8.7	20
25	8.7	7.5	8.2	8.7	0.1	3.3	1.2	4.1	6.2	7.5	8.7	6.3
26	8.5	7.5	8.2	7.5	0.1	1.3	1.2	4.1	6.0	7.5	8.7	1.2
27	8.5	7.5	8.2	4.6	0.1	1.3	1.3	4.2	6.0	7.3	8.7	3.5
28	8.5	7.5	8.2	4.5	0.1	1.2	1.2	4.2	6.0	7.3	8.7	7.6
29	8.2	7.5	8.2	4.5		1.2	1.2	4.2	6.0	7.3	8.5	2.0
30	8.2	7.8	8.2	4.5		1.2	1.2	4.2	6.0	7.3	8.2	1.7
31	8.2		8.2	4.5		1.2		4.3		7.3	8.0	
	590.6		250.6	247.4	233.3	60.6	35.8	91.9	132.9	271.4		235.1

MEAN	12.6	7.86	8.08	7.98	8.33	1.95	1.19	2.96	4.43	6.36	8.75	7.83
ACRE- FEET	775.	468.	497.	491.	463.	120.	71.	182.	264.	391.	538.	466.

Remarks:

YEAR OR PERIOD MEAN ACRE-
FEET 4730.

STATION F213-R
BIG TUJUNGA CREEK above Gold Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°18'02" LONG. 118°16'02" ON THE LEFT (SOUTH) BANK 2 MILES ABOVE MOUTH OF CANYON 7 MILES BELOW BIG TUJUNGA DAM AND ABOUT 4 MILES NORTHEAST OF SUNLAND. ELEVATION OF ZERO GAGE HEIGHT, 1571.80 FEET. THE FORMER STATION U11-R WAS ABOUT 1000 FEET UPSTREAM AT THE LOCATION OF A PARTLY CONSTRUCTED AND ABANDONED SUBMERGED DAM.

DRAINAGE AREA: 106 SQUARE MILES.

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

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

RECORDER: INSTALLED IN 1932 OVER A 36-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953. (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:

1951-52
MAXIMUM 2960 SECOND-FOOT JANUARY 18.
MINIMUM 1.3 SECOND-FOOT OCTOBER 1.
1952-53
MAXIMUM 108 SECOND-FOOT NOVEMBER 15 AND DECEMBER 2.
MINIMUM 1.8 SECOND-FOOT MARCH 15.
1916-1953
MAXIMUM 5000 SECOND-FOOT ESTIMATED MARCH 2, 1938.
MINIMUM 0.2 SECOND-FOOT AUGUST 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF BIG TUJUNGA CREEK
above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 52

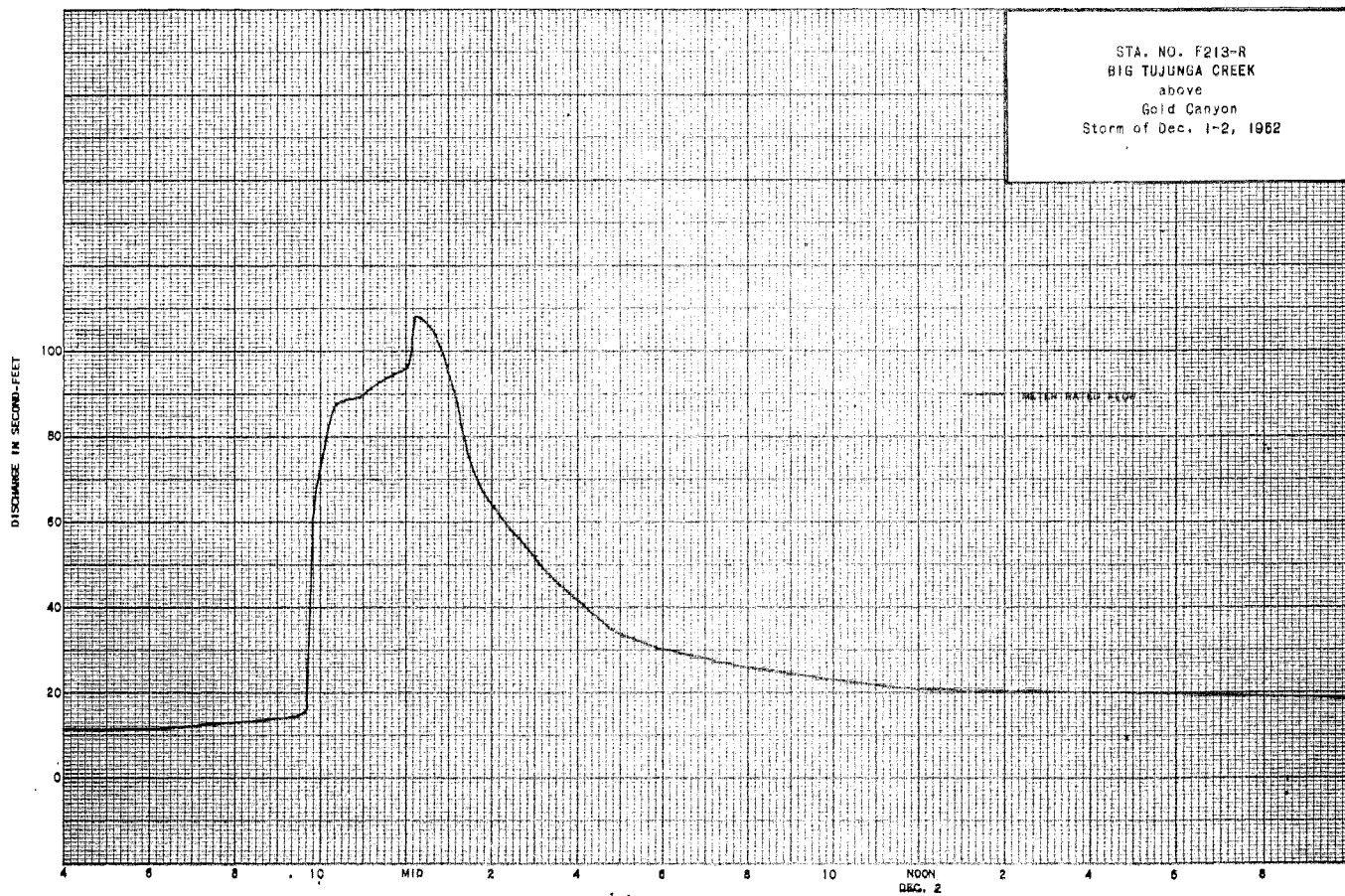
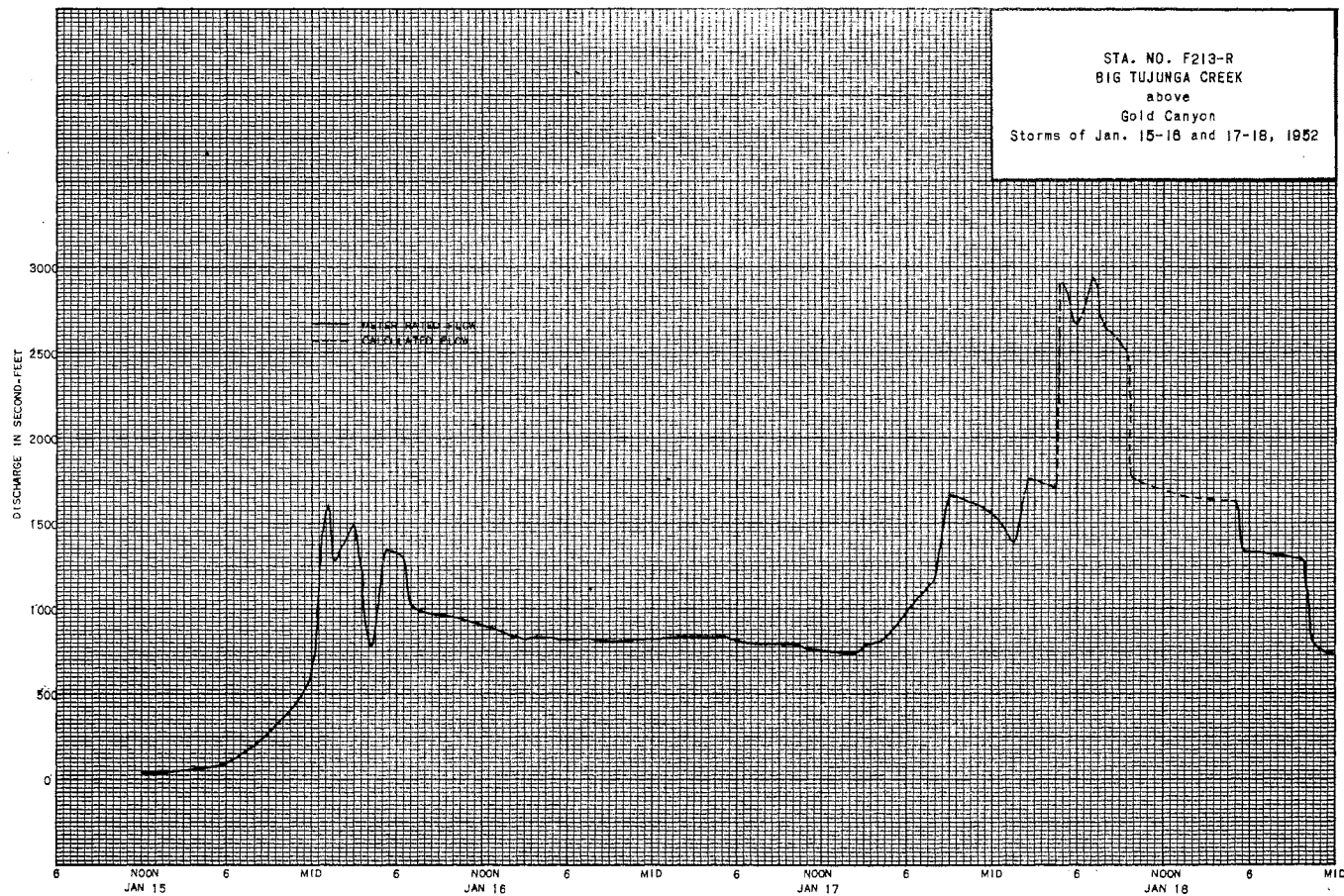
NO.	DATE	BEGIN- END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR. SEC. NO.	R. HT. CHANGE TOTAL	METER NO.
1199	10-3	1129	TURNER	2.0	1.45	0.97	6.08	1.4	6	5	0	FC43	
1200	10-10	1354	"	2.0	1.41	0.99	6.04	1.4	6	5	0	"	
1201	10-17	0831 0837	"	2.0	1.54	1.43	6.14	2.2	6	5	0	"	
1202	10-24	1234	"	2.0	1.51	1.46	6.12	2.2	6	5	0	"	
1203	10-25	1895 1897	"	17.0	12.4	0.38	6.28	4.7	6	9	0	"	
1204	10-31	0856 0905	"	5.0	4.95	0.82	6.24	4.1	6	7	0	"	
1205	11-7	0900 0909	"	5.0	4.30	0.60	6.15	2.6	6	7	0	"	
1206	11-14	1037 1050	SPENCER	5.0	3.62	0.41	6.00	1.5	6	8	0	FC35	
1207	11-20	0840	SPENCER-TURNER	5.0	4.65	0.82	6.20	3.8	6	7	+01	"	
1208	11-20	1808 1812	TURNER-SPENCER	18.0	14.0	0.71	6.34	10.0	6	10	0	FC43	
1209	11-28	0940 0951	SPENCER	5.0	4.62	0.54	6.09	2.5	6	8	0	FC35	
1210	12-5	1032	"	18.0	13.3	0.73	6.34	9.7	SURF.	16	+04	"	
1211	12-12	1805	TURNER	17.5	10.4	0.59	6.33	6.1	6	10	0	FC43	
1212	12-19	0916 0925	"	4.8	5.09	0.63	6.21	3.2	6	6	0	"	
1213	12-27	0830	THOMAS-TURNER	5.4	5.48	0.37	6.16	2.0	6	7	0	"	
1214	12-29	1307	TURNER-THOMAS	23.0	8.06	1.29	6.46	10.4	6	10	+01	"	
1215	12-30	0893 0893	PARDIECK-O'CAMPO	55.0	99.5	1.58	7.94	157.	6	11	0	FC33	
1216	12-30	1044 1052	TURNER-THOMAS	48.5	67.8	2.02	7.84	137.	6	12	0	FC43	
1217	12-30	1345 1347	PARDIECK-O'CAMPO	50.0	86.5	1.50	7.76	130.	6	10	-05	FC33	
1218	12-30	1853 1855	"	49.0	70.0	1.37	7.68	95.9	6	10	-01	"	
1219	12-31	1018 1018	TURNER	28.5	18.0	1.99	7.07	35.9	6	16	0	FC43	
1220	1-3	0840 0855	"	28.5	11.6	1.27	6.80	14.7	6	13	0	"	
1221	1-3	1825 1840	"	18.5	13.3	1.17	6.79	15.5	6	12	0	FC23	
1222	1-9	1308	"	14.6	7.70	1.99	6.76	15.3	6	9	0	FC43	
1223	1-13	0722 0742	PARDIECK	63.0	64.8	4.28	8.66	277.	6	8	-03	FC33	
1224	1-13	0848 0858	"	64.0	66.1	4.06	8.65	269.	6	8	0	"	
1225	1-13	0929 0948	"	47.0	43.3	4.22	8.64	183.	6	13	-01	"	
1226	1-13	1240	PARDIECK-O'CAMPO	66.0	62.2	4.68	9.04	291.	6	8	+02	"	
1227	1-13	1438	"	67.0	91.1	4.61	9.32	420.	6	10	0	"	
1228	1-14	1530	TURNER-ROGERS	68.0	86.6	4.20	9.07	364.	6	15	0	FC43	
1229	1-15	1261	PARDIECK-O'CAMPO	36.0	35.8	1.24	8.08	44.5	6	9	0	FC33	
1230	1-15	1417	"	36.0	37.6	1.28	8.10	48.2	6	9	+01	"	
1231	1-15	1893	"	41.0	40.9	1.49	8.16	61.0	6	10	+01	"	

NO.	DATE	BEGIN- END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR. SEC. NO.	R. HT. CHANGE TOTAL	METER NO.
1232	1-15	1719 1719	"	42.0	44.5	1.83	8.24	81.6	6	10	+02	"	
1233	1-15	1906 1917	"	43.0	52.6	2.50	8.48	132.	6	9	+05	"	
1234	1-15	2019 2037	"	66.0	79.4	4.50	8.92	357.	6	8	+10	"	
1235	1-15	2340	"	66.0	98.9	4.71	9.22	466.	6	8	+11	"	
1236	1-16	0808	"	63.5	155.	6.52	10.04	1010.	6	7	+32	"	
1237	1-16	0143 0208	"	69.5	203.	7.19	10.00	1460.	6	7	0	"	
1238	1-16	0322 0340	"	69.0	183.	6.40	9.74	1170.	6	7	-13	"	
1239	1-16	0535 0602	"	69.0	188.	6.91	10.00	1300.	6	7	0	"	
1240	1-16	1177	"	69.0	132.	6.92	9.63	913.	6	7	0	"	
1241	1-18	1430 1500	TURNER-ROGERS	101.	204.	7.94	10.57	1620.	6	18	0	FC43	
1242	1-19	1604 1630	"	70.0	108.	5.07	9.68	548.	6	16	0	"	
1243	1-21	1525 1537	"	31.0	43.0	2.37	8.83	102.	6	11	0	"	
1244	1-22	1320 1320	THOMAS	30.2	40.4	2.00	8.73	80.6	6	13	-02	FC42	
1245	1-23	1325	"	34.0	45.0	2.89	8.93	131.	6	11	0	"	
1246	1-24	1815	"	33.5	39.9	3.11	8.92	124.	6	12	-03	"	
1247	1-30	1048 1060	TURNER	31.0	25.4	2.54	8.74	64.5	6	13	0	FC43	
1248	2-6	0927 0942	"	31.0	25.5	2.31	8.70	58.9	6	13	0	"	
1249	2-9	1143	PARDIECK	36.0	24.5	2.21	8.68	54.2	6	18	0	FC33	
1250	2-13	1308 1326	TURNER	31.0	18.1	1.85	8.48	33.4	6	14	0	FC43	
1251	2-20	0855 0910	"	30.0	16.9	1.80	8.46	30.4	6	13	0	"	
1252	2-28	0840 0855	HYDE-TURNER	19.5	8.84	1.48	8.26	13.1	6	11	0	"	
1253	3-5	1318	TURNER	19.4	8.84	1.45	8.26	12.8	6	11	0	"	
1254	3-7	1307 1323	TURNER-ROGERS	68.0	75.0	4.92	9.28	368.	6	15	+01	"	
1255	3-8	1220 1238	TURNER	70.0	62.9	3.34	9.16	210.	6	17	0	"	
1256	3-10	1415	"	37.0	39.1	2.30	8.80	89.9	6	14	0	"	
1257	3-13	1178	"	36.5	32.4	2.22	8.74	71.8	6	14	0	"	
1258	3-15	1119	PARDIECK	69.5	64.5	3.49	9.28	225.	6	16	+04	FC33	
1259	3-15	1551 1619	PARDIECK-O'CAMPO	71.0	121.	6.68	10.09	808.	6	16	-01	"	
1260	3-15	1732 1753	"	71.0	118.	5.83	10.00	688.	6	16	+04	"	
1261	3-15	2037	"	71.0	122	6.91	10.10	843.	6	16	0	"	
1262	3-16	1538	TURNER-ROGERS	73.0	120.	5.42	10.05	651.	6	16	0	FC43	
1263	3-17	1107 1130	TURNER	71.0	106.	5.20	9.92	551.	6	16	-01	FC29	
1264	3-17	1705 1720	"	68.0	77.8	3.42	9.54	266.	6	16	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	HAUSE HEIGHT FEET	DISCHARGE CUBIC FT.	RAT. INH	METH. ID	MEAS. NO.	W. INT. CHANGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	HAUSE HEIGHT FEET	DISCHARGE CUBIC FT.	RAT. INH	METH. ID	MEAS. NO.	W. INT. CHANGE TOTAL	METER NO.
1265	3-20	0835	"	71.4	77.4	3.32	9.47	257		6	16	0	"	1318	2-3	0943 0957	BLAKELY	30.5	22.9	1.85	8.79	42.4		.6	17	0	"
1266	3-27	0890	"	81.5	86.1	3.08	9.38	202		6	16	0	FC43	1319	2-11	1127 1150	WHISLER-BLAKELY	11.5	6.29	0.75	8.33	4.7		.6	14	0	"
1267	4-2	1089	"	67.5	79.8	3.37	9.52	269		6	17	0	"	1320	2-18	1012 1022	BLAKELY	11.2	5.89	0.61	8.29	3.6		.6	13	0	"
1268	4-9	1099	"	35.0	45.9	1.27	8.86	58.3		6	12	0	"	1321	2-25	1034 1042	"	11.0	5.49	0.58	8.29	3.2		.6	8	0	"
1269	4-16	0930 0940	"	37.4	30.5	0.88	8.05	26.7		6	13	0	"	1322	3-4	1020 1030	"	7.0	3.93	0.60	8.28	3.2		.6	9	0	"
1270	4-23	0835 0850	"	37.3	29.0	0.78	8.60	22.7		6	13	0	"	1323	3-11	1030 1038	"	7.0	3.78	0.66	8.25	2.5		.6	9	0	"
1271	4-30	0830 0835	"	37.3	29.8	0.77	8.60	22.8		6	13	0	"	1324	3-18	1016 1028	"	7.0	4.61	1.28	8.39	5.9		.6	9	0	"
1272	5-7	0835	"	37.3	30.0	0.78	8.61	23.8		6	15	0	"	1325	3-25	1012 1020	"	7.5	5.10	1.39	8.42	7.1		.6	10	0	"
1273	5-15	1590	"	36.8	31.9	0.88	8.66	28.1		6	16	0	"	1326	4-3	1520 1530	"	7.7	4.81	0.64	8.40	3.1		.6	9	0	"
1274	5-21	1630	"	36.3	30.6	0.84	8.64	25.6		6	15	0	"	1327	4-8	1430 1438	"	5.0	3.18	0.97	8.40	3.1		.6	6	0	"
1275	5-28	1530 1535	"	36.3	30.6	0.82	8.64	25.1		6	15	0	"	1328	4-17	0845 0850	HYDE-LINDSAY	7.0	3.24	0.93	8.38	3.0		.6	12	0	FC35
1276	6-4	1458	"	28.5	26.6	0.54	8.62	19.9		6	15	+04	"	1329	4-23	1132 1140	BLAKELY	8.3	4.05	1.06	8.43	4.3		.6	9	0	FC24
1277	6-11	1342	"	22.5	23.6	0.71	8.66	16.8		6	13	0	"	1330	4-27	2255 2303	BLAKELY-BLAKELY	10.5	4.75	1.18	8.45	5.6		.6	9	0	"
1278	6-18	1025	"	21.5	25.9	0.74	8.79	19.2		6	14	0	U.S.E.S. 35617	1331	4-29	1010 1018	BLAKELY	9.0	4.31	1.02	8.42	4.4		.6	9	0	"
1279	6-25	1090 1048	"	23.0	25.6	0.57	8.80	14.5		6	15	0	FC44	1332	5-7	1423	"	11.6	3.07	0.85	8.33	2.6		.6	8	0	"
1280	7-2	1028	"	23.0	24.6	0.53	8.76	13.1		6	15	0	"	1333	5-14	1512 1522	"	11.5	5.00	0.94	8.44	4.7		.6	11	0	"
1281	7-9	1092	"	23.0	23.4	0.48	8.68	11.3		6	16	0	"	1334	5-22	1317 1327	"	12.0	5.19	1.02	8.47	5.3		.6	12	0	"
1282	7-16	1247	"	23.5	26.6	0.89	8.76	23.6		6	15	0	FC43	1335	5-27	1040 1050	"	12.0	5.56	0.99	8.49	5.5		.6	12	0	"
1283	7-23	0845 1005	"	24.0	27.1	0.83	8.73	22.4		6	18	0	"	1336	6-3	1530 1540	"	12.5	5.43	0.96	8.48	5.2		.6	12	0	"
1284	7-30	0850 1010	"	20.0	25.3	0.91	8.73	22.9		6	17	0	"	1337	6-10	1422 1430	"	12.6	5.66	0.98	8.47	5.6		.6	13	0	"
1285	8-6	1130	"	20.3	25.2	0.89	8.71	22.5		6	16	0	"	1338	6-17	1427 1433	GODFREY-BLAKELY	11.3	4.85	1.01	8.45	4.9		.6	13	0	"
1286	8-13	1542	"	19.7	23.2	0.88	8.68	20.3		6	14	0	"	1339	6-24	1550 1560	BLAKELY	11.9	4.49	0.89	8.41	4.0		.6	12	0	"
1287	8-18	0755 0815	"	19.7	28.3	1.10	8.74	29.1		6	15	0	"	1340	7-1	1330 1340	HYDE-BLAKELY	11.5	5.23	1.15	8.48	6.0		.6	13	0	"
1288	8-20	1080	"	19.4	25.8	1.10	8.74	28.4		6	15	0	"	1341	7-8	1435 1445	HYDE	10.8	5.05	1.09	8.47	5.5		.6	12	0	"
1289	8-27	0835	"	19.5	25.9	1.10	8.73	28.5		6	15	0	"	1342	7-17	1240 1248	BLAKELY	17.5	12.2	0.48	8.49	5.9		.5	9	0	"
1290	9-5	0830	DE MARS-TURNER	36.7	32.4	0.79	8.68	25.5		6	15	0	"	1343	7-22	1550 1558	"	13.1	8.26	0.60	8.46	5.0		.6	10	0	"
1291	9-5	1005	"	36.7	33.1	0.80	8.68	26.4		6	15	0	"	1344	7-29	1552 1600	"	13.3	8.85	0.74	8.50	6.5		.6	8	0	"
1292	9-10	0815 0835	TURNER	36.7	32.9	0.84	8.68	27.5		6	16	0	"	1345	8-5	1602 1612	"	13.1	9.66	0.79	8.55	7.6		.6	9	0	"
1293	9-19	1145	BLAKELY	35.0	32.7	0.50	8.57	18.4		6	14	0	FC24	1346	8-14	1105 1117	"	13.2	10.3	0.82	8.57	8.4		.6	14	0	"
1294	9-26	1035	"	18.0	9.80	1.74	8.56	17.0		6	10	0	"	1347	8-19	1714 1725	"	13.0	8.22	0.77	8.49	6.3		.6	13	0	"
														1348	8-26	1436 1444	"	13.0	9.03	0.78	8.53	7.0		.6	9	0	"
														1349	9-3	1453 1508	HYDE	13.0	6.88	1.11	8.52	7.4		.6	12	0	"
														1350	9-11	1533 1541	BLAKELY	9.0	3.57	1.71	8.37	6.1		.5	10	0	"
														1351	9-16	1532 1541	"	8.2	2.77	2.13	8.41	5.9		.6	9	0	"
														1352	9-23	1602 1612	"	23.0	15.2	1.46	8.65	22.2		.6	11	0	"
														1353	9-30	1507 1515	"	11.0	3.64	0.88	8.28	3.2		.5	7	0	"

DISCHARGE MEASUREMENTS OF BIG TUIJUNGA CREEK above Gold Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	HAUSE HEIGHT FEET	DISCHARGE CUBIC FT.	RAT. INH	METH. ID	MEAS. NO.	W. INT. CHANGE TOTAL	METER NO.
1295	10-1	0945 1005	TURNER	19.5	26.7	0.60	8.55	16.0		.6	15	0	FC43
1296	10-8	1020 1035	"	19.5	25.9	0.58	8.54	15.7		.6	15	0	"
1297	10-15	1450 1455	"	19.5	25.8	0.56	8.52	14.5		.6	15	0	"
1298	10-22	1000 1015	"	19.0	18.9	0.60	8.45	11.4		.6	14	0	"
1299	10-29	0925 0940	"	18.9	18.2	0.55	8.44	10.1		.6	14	0	"
1300	11-5	0935 0950	"	18.9	18.3	0.52	8.43	9.6		.6	14	0	"
1301	11-14	1608 1620	"	37.4	30.2	0.77	8.64	23.3		.6	12	0	"
1302	11-15	1710 1718	TURNER-ROGERS	35.6	30.7	1.13	8.72	34.6		.6	8	0	"
1303	11-19	1015 1020	TURNER	36.4	23.2	0.50	8.49	11.7		.6	12	0	"
1304	11-26	0821 0841	HYDE	27.5	13.2	0.80	8.47	10.5		.6	10	0	FC35
1305	12-1	2153 2217	HYDE-PARDIECK	50.0	45.1	1.62	8.91	73.5		.6	13	+04	"
1306	12-1	2310 2318	"	50.0	49.6	1.80	9.01	89.2		.6	13	+02	"
1307	12-2	0917 0936	"	CHANNELS			9.06	100.		.6	15	-02	"
1308	12-3	0945 1006	HYDE	29.0	28.1	0.62	8.54	17.3		.6	12	0	"
1309	12-10	0847 0910	"	29.5	25.2	0.32	8.48	8.1		.6	13	0	"
1310	12-18	1430 1450	"	29.0	11.0	0.98	8.48	10.8		.6	15	-01	"
1311	12-20	1238 1258	TURNER-ROGERS	48.5	24.1	1.76	8.81	42.3		.6	15	0	FC43
1312	12-23	1505 1517	TURNER	22.0	10.1	1.45	8.53	14.6		.6	11	0	"
1313	12-30	1015 1027	"	19.0	9.14	1.48	8.52	13.5		.6	11	0	"
1314	1-8	1513 1528	"	27.0	13.5	1.41	8.52	19.1		.6	11	0	"
1315	1-14	1017 1029	"	18.8	10.7	1.42	8.53	15.2		.6	10	0	"
1316	1-21	1353 1405	"	18.3	10.4	1.33	8.52	13.8		.6	10	0	"
1317	1-28	1425 1436	BLAKELY-TURNER	18.4	9.49	0.97	8.45	9.2		.6	9	0	FC24



STATION E20C-R
TUJUNGA WASH at Glen Oaks Boulevard

LOCATION : WATER-STAGE RECORDER, LAT. 34°15'10", LONG. 118°23'20", ON THE LEFT (EAST) WALL OF THE TUJUNGA CHANNEL, 0.1 MILE ABOVE GLEN OAKS BOULEVARD, AND 3 MILES SOUTH EAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT 944.00 FEET.

DRAINAGE AREA: 148 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1932 TO SEPTEMBER 1940, FRAGMENTARY REPORTS AVAILABLE. RECORDER RECORDS OCTOBER 1940 TO SEPTEMBER 1953.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 3000 SECOND-FEET JANUARY 24.
MINIMUM NO FLOW MOST OF YEAR.
- 1952-53
MAXIMUM 178 SECOND-FEET FEBRUARY 4.
MINIMUM NO FLOW MOST OF YEAR.
- 1932-53
MAXIMUM 54000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW PART OF EACH YEAR.

REMARKS: RECORDS POOR. FLOW REGULATED BY BIG TUJUNGA RESERVOIR AND BY HANSEN RESERVOIR. WATER DIVERTED FROM CHANNEL ABOVE STATION TO HANSEN SPREADING GROUNDS, SOME OF WHICH MAY BE RETURNED TO THE CHANNEL BELOW STATION.

IN THE SEASON OF 1951-52, 20230 ACRE-FEET OF WATER WERE DIVERTED TO HANSEN SPREADING GROUNDS, AND 3460 ACRE-FEET WERE RETURNED TO CHANNEL BELOW THE STATION.

DISCHARGE MEASUREMENTS OF TUJUNGA WASH E20C-R
AT Glen Oaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAN SEC. NO.	R. HT. CHANGE TOTAL	METER NO.
116	1-23		C OF E				0.75	384.		FITOT			
117	1-23		"				2.25	2040.		"			
118	1-23		USGS	59.4	119.	15.5	2.0	1840.		.6	15	0	
119	1-24		"	59.4	47.5	10.5	0.80	498.		.2	16	0	
120	1-24		"	59.4	68.3	11.7	1.15	800.		.5	16	0	
121	1-24		C OF E				1.17	785.		FITOT			
122	1-24		USGS	59.4	92.1	12.8	1.95	1180.		.6	16	0	
123	1-24		C OF E				1.56	1200.		FITOT			
124	1-24		USGS	59.4	107.	14.1	1.80	1510.		.6	15	0	
125	1-24		C OF E				1.89	1550.		FITOT			
126	1-25		"				2.65	2760.		"			

DISCHARGE MEASUREMENTS OF TUJUNGA WASH E-20C-R
AT Glen Oaks Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. DD	MEAN SEC. NO.	R. HT. CHANGE TOTAL	METER NO.
127	2-4		USGS	50.	6.5	1.39	0.13	9.04		SURF.			
128	2-4		"	50.	22.0	6.29	.44	136.		"			

FD-124 C-12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of **TUJUNGA WASH at Glen Oaks Boulevard** for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	4.5	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	3.5	0	0	0	0	0	0	0	0
21	0	0	0	3.5	0	0	0	0	0	0	0	0
22	0	0	0	3.5	0	0	0	0	0	0	0	0
23	0	0	0	3.5	0	0	0	0	0	0	0	0
24	0	0	0	1.3	0	0	0	0	0	0	0	0
25	0	0	0	1.3	0	0	0	0	0	0	0	0
26	0	0	0	2.5	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	143.	0	0	0	0	0	0	0	0
ACRE- FEET	0	0	0	8810.	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD: MEAN 12.1
ACRE-FEET 8810.

FD-124 C-12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E20C-R

Daily discharge, in second-feet of **TUJUNGA WASH at Glen Oaks Boulevard** for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.7	0	0	0	0	0	0	0	0	0
2	0	0	0.4	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	1.8	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0.4	0	0	0	0	0	0	0	0
7	0	0	0	0.2	0	0	0	0	0	0	0	0
8	0	2.5	0	0.5	0	0	0	0	0	0	0	0
9	0	0	0	0	0.4	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0.5	0	0	0	0	0	0	0	0
14	0	1.5	0	0	0	0	0	0	0	0	0	0
15	0	3.3	0	0	0	0	0	0	0	0	0	0
16	0	1.5	0	0	0	0	0	0	0	0	0	0
17	0	1.5	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	3.7	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1.1	0	0	0	0	0
22	0	0.3	0	0	0	0	0.7	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	2.5	0	0	0	0	0
28	0	0	3.8	0	0	0	0	0	0	0	0	0
29	0	0.3	1.5	0	0	0	0	0	0	0	0	0
30	0	0.8	1.7	0	0	0	0	0	0	0	0	0
31	0	0	1.5	0	0	0	0	0	0	0	0	0
MEAN	0	11.9	1.6	0	0	0	0	0	0	0	0	0
ACRE- FEET	0	24	28	3.2	4.4	0	8.7	0	0	0	0	0

Remarks:

YEAR OR PERIOD: MEAN 0.09
ACRE-FEET 68

STATION F105B-R
TUJUNGA WASH below Moorpark Street

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

DRAINAGE AREA: 212 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM MOORPARK STREET BRIDGE. A FOOTBRIDGE IS TO BE CONSTRUCTED AT STATION FOR HIGH FLOW MEASUREMENTS.

RECORDER: INSTALLED AUGUST 1930 AT STATION F105-R, WASHED OUT IN THE MARCH 2, 1938 FLOOD. REINSTALLED ON OCTOBER 17, 1938 AND REMOVED ON MARCH 24, 1949. RECORDER INSTALLED ON MARCH 22, 1950 AT STATION F105B-R OVER A 48-INCH DIAMETER CONCRETE STILLING WELL. A STEVENS TYPE A35-B RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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

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

RECORDS AVAILABLE: AUGUST 1930 TO FEBRUARY 17, 1938. OCTOBER 17, 1938 TO MARCH 24, 1949 AND MARCH 22, 1950 TO SEPTEMBER 30, 1953. NO RECORD AVAILABLE FROM MARCH 24, 1949 TO MARCH 22, 1950 DUE TO CHANNEL CONSTRUCTION.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 1410 SECOND-FEET JANUARY 17 (STORM RELEASE).
3280 SECOND-FEET JANUARY 24 (RELEASE FROM HANSEN DAM).
MINIMUM NO FLOW PART OF YEAR.

1952-53
MAXIMUM 1010 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW PART OF YEAR.

1930-53
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3280 SECOND-FEET JANUARY 24, 1952. (RELEASE FROM HANSEN DAM.)
MINIMUM NO FLOW.

ACCURACY: GOOD, EXCEPT FOR LOW FLOWS.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH
below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. NO.	MEAS. NO.	S. H. DISCHARGE TOTAL	METER NO.
3	12-4-5	2350 0620	THOMAS	70.0	23.5	3.95	0.27	92.8	.5	11	-03	FC42	
4	12-30	1906 1922	BLAKELY-GREEN	6.0	5.60	2.66	0.11	14.9	.6	5	0	FC24	
5	1-12	2052 2100	BLAKELY-WESTLING	70.0	38.4	5.84	0.59	224	.8	9	+01	"	
6	1-18	0135 0139	" "	70.0	98.0	13.0	1.40	1270			0		
7	1-23	1118 1125	BLAKELY-KASIMOFF	70.0	66.0	7.29	0.83	481	.6	10	0	FC24	
8	1-23	1835 1839	BLAKELY-WESTLING	70.0	154	14.0	2.21	2160			+04		
9	1-24	1715 1728	BLAKELY-KASIMOFF	70.0	184	16.9	2.83	3110	.6	8	+06	FC24	
10	3-9	1609 1617	BLAKELY-WESTLING	6.0	5.72	9.61	0.17	55.0	.6	6	0	"	
11	3-17	1303 1324	LANG	70.0	28.9	4.53	0.32	131	.5	17	+02	FC12	
12	3-18	1200 1215	"	70.0	31.8	4.81	0.35	153	.6	12	0	"	
13	3-20	1139 1137	"	70.0	33.1	5.02	0.35	166	.6	12	0	"	
14	3-27	1255 1302	BLAKELY	6.0	1.50	7.53	0.06	11.3	.6	5	-01	FC24	
15	4-10	1255 1301	"	6.0	3.60	3.03	0.08	10.9	.6	5	0	"	
16	4-17	1302 1303	"	6.0	0.84	3.00	0.01	2.5	.5	1	0	"	

DISCHARGE MEASUREMENTS OF TUJUNGA WASH
below Moorpark Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. NO.	MEAS. NO.	S. H. DISCHARGE TOTAL	METER NO.
17	1-8	1252 1258	BLAKELY	15.0	4.44	2.66	0.06	12.7	.5	7	0	FC24	

STATION P. C. DIST. 9-38

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1058-R

Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	9.0	11.6	7.2	+	0	0	0
2	0	0	0	0	0	0.4	5.3	1.5	+	0	0	0
3	0	0	0	0	0	0.1	2.0	1.5	+	0	0	0
4	0	0	14.1	0	0	0.1	2.0	1.5	+	0	0	0
5	0	0	13.5	0	0	0.1	2.0	1.5	+	0	0	0
6	0	0	0	2.3	0	1.3	5.5	1.5	+	0	0	0
7	0	0	0	3.6	0	1.7	3.1	1.5	+	0	0	0
8	0	0	0	0	0	2.7	+	1.5	+	0	0	0
9	0	0	0	0	0	3.3	+	1.5	+	0	0	0
10	0	0	0	0	0	3.8	10.8	1.1	+	0	0	0
11	0	0	1.0	0	0	4.8	7.7	0.9	+	0	0	0
12	0	0	4.8	14.7	0	3.4	2.5	0.5	+	0	0	0
13	0	0	0	2.4	0	4.0	2.5	0.5	+	0	0	0
14	0	0	0	3.3	0	4.0	2.5	0.5	+	0	0	0
15	0	0	0	2.6	0	3.1	2.5	0.5	+	0	0	0
16	0	0	0	1.7	0	2.2	2.5	0.5	+	0	0	0
17	0	0	0	2.6	0	1.4	2.5	0.5	+	0	0	0
18	0	0	0	2.7	0	1.5	2.5	0.5	+	0	0	0
19	0	0	0	2.1	0	1.4	2.5	0.5	+	0	0	0
20	0	2.4	0	1.0	0	1.3	1.1	0.1	+	0	0	0
21	0	0	0	1.0	0	1.0	1.1	0.1	+	0	0	0
22	0	0	0	3.6	0	1.1	1.4	0.1	+	0	0	0
23	0	0	0	3.2	0	1.1	1.4	0.1	+	0	0	0
24	0	0	0	1.3	0	1.1	1.4	0.1	+	0	0	0
25	12.9	0	0	2.7	0	1.1	1.4	0.1	+	0	0	0
26	+	0	0	2.5	0	1.1	1.4	0.1	+	0	0	0
27	+	0	0	0	0	4.9	2.0	0.1	+	0	0	0
28	0	0	0	0	0	4.4	2.0	+	+	0	0	0
29	0	0	3.6	0	0	8.7	1.5	+	0	0	0	0
30	0	0	3.3	0	0	1.4	1.4	+	0	0	0	0
31	0	0	0	0	0	4.5	1.4	+	0	0	0	0
	12.9	29.1	13.2	56.2	5.9	8.7	208.4	2.2	185.3	23.5	+	0

MEAN	2.42	2.97	4.93	181.	2.39	67.2	6.18	2.76	+	0	0	0
ACRE-FOOT	26.	58.	393.	11160.	17.	4130.	268.	47.	+	0	0	0

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

YEAR OR PERIOD MEAN 27.2
ACRE-FOOT 16110.

STATION CA 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1058-R

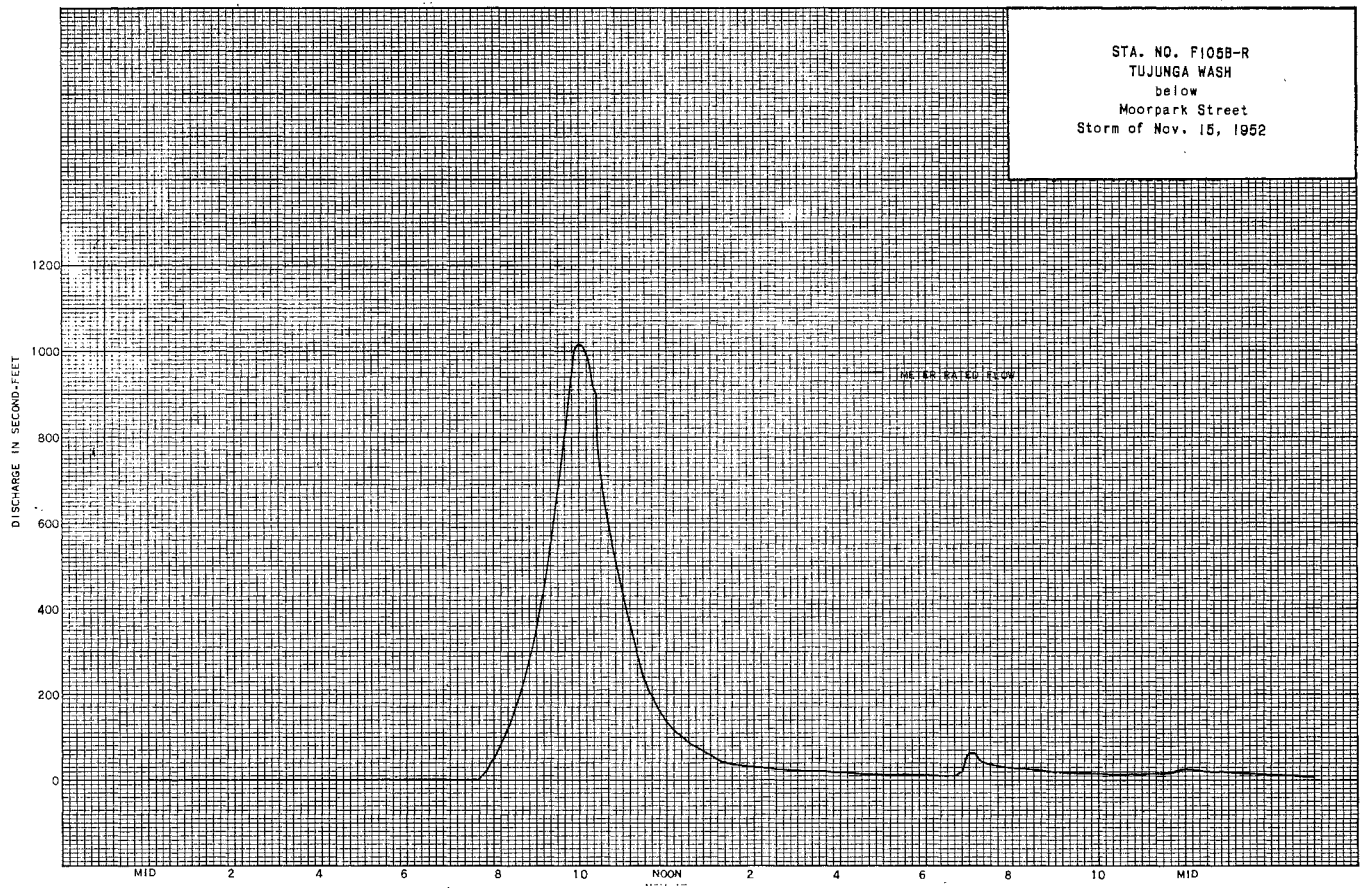
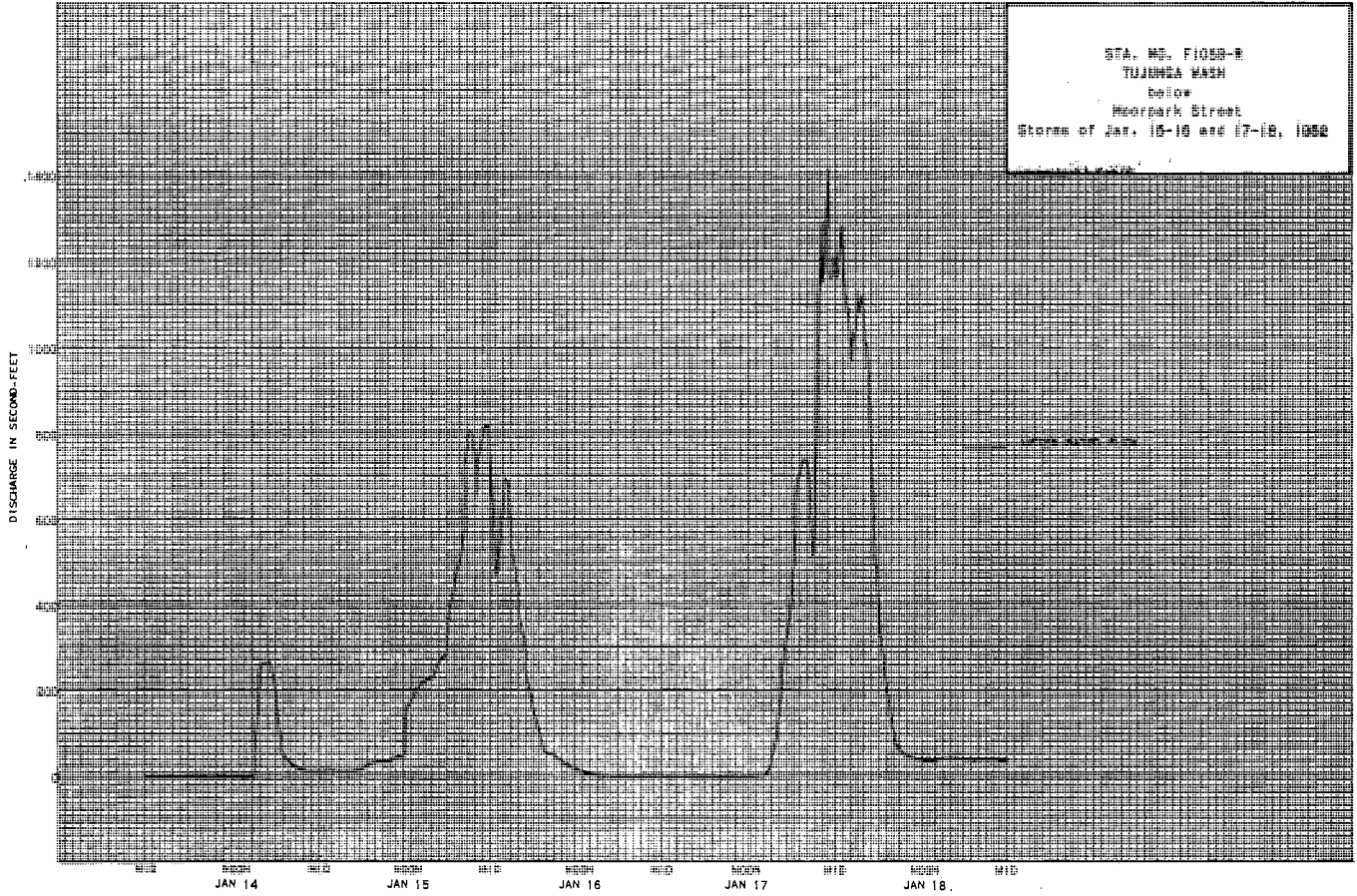
Daily discharge, in second-feet of TUJUNGA WASH below Moorpark Street for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	6.3	0.05	+	0.07	0.05	0.08	+	0.05	+	0
2	0	0	5.7	0.03	+	0.08	0.05	0.06	0	0.05	+	0
3	0	0	0.05	0.03	+	0.08	0.05	0.05	0	0.04	+	0
4	0	0	0.02	0.02	0.6	0.09	0.04	0.04	0	0.03	+	0
5	0	0	0.02	0.02	0.03	0.1	0.04	0.03	0	0.03	+	0
6	0	0	0.01	0.01	0.01	0.09	0.03	0.02	0	0.02	+	0
7	0	0	0.01	6.8	0.01	0.08	0.03	0.02	0	0.02	+	0
8	0	2.4	0.01	4.5	3.4	0.08	0.02	0.01	0	0.02	+	0
9	0	0.1	+	0.05	0.05	0.07	0.02	0.01	0	0.02	+	0
10	0	0.02	+	0.04	0.01	0.06	0.02	0.01	0	0.02	+	0
11	0	0.01	+	0.02	+	0.06	0.03	0.02	0	0.02	+	0
12	0	+	0.01	0.02	+	0.05	0.03	0.02	0	0.02	+	0
13	0	+	0.02	1.0	0.01	0.05	0.04	0.02	0	0.02	+	0
14	0	3.2	0.03	0.02	0.01	0.05	0.04	0.03	0	0.02	+	0
15	0	9.8	0.04	0.02	0.02	0.03	0.05	0.04	0	0.02	+	0
16	0	7.7	0.05	0.03	0.03	0.03	0.05	0.05	0	0.02	+	0
17	0	0.05	0.05	0.02	0.03	0.05	0.05	0.05	0	0.02	+	0
18	0	0.03	0.05	0.02	0.04	0.05	0.05	0.07	0.01	0.02	+	0
19	0	0.02	0.05	0.01	0.05	0.4	0.05	0.08	0.01	0.02	+	0
20	0	0.01	5.7	0.01	0.05	6.7	2.1	0.09	0.01	0.02	+	0
21	0	0.01	0.05	0.01	0.05	0.07	6.2	0.1	0.01	0.01	+	0
22	0	14.0	0.05	+	0.05	0.05	0.07	0.07	0.02	0.01	+	0
23	0	3.20	0.05	+	0.05	0.05	0.07	0.05	0.02	+	+	0
24	0	0.05	0.05	+	0.05	0.05	0.07	0.03	0.02	+	+	0
25	0	0.02	0.05	+	0.05	0.05	0.07	0.1	0.02	+	+	0
26	0	0.01	0.05	+	0.05	0.05	0.07	+	0.02	+	+	0
27	0	0	0.05	+	0.06	0.05	15.2	0.5	0.02	+	+	0
28	0	0	14.8	+	0.06	0.05	0.1	0.02	0.03	+	+	0
29	0	6.5	0.05	+	0.05	0.05	0.1	0.01	0.03	+	+	0
30	0	12.3	2.7	+	0.05	0.05	0.1	0.01	0.04	+	+	0
31	0	0	3.5	+	0.05	0.05	0.1	+	0.04	+	+	0
	0	171.82	4.77	43.79	0.26	0	0	0	0	0	0	0

MEAN	0	6.60	3.54	30.03	.170	0.28	1.45	1.60	0.52	+	0	0
ACRE-FOOT	0	393.	341.	60.	9.5	18.	87.	3.2	0.5	1.0	+	0

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

YEAR OR PERIOD MEAN 1.26
ACRE-FOOT 913.



STATION F106-R
TUJUNGA WASH-CENTRAL BRANCH at Magnolia Blvd.

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

DRAINAGE AREA: 6.86 SQUARE MILES.

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

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

RECORDER: INSTALLED AUGUST 1930 AT STATION F106-R. REMOVED MARCH 1936. INSTALLED TEMPORARILY MARCH 1936 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED JULY 1936. REINSTALLED AUGUST 1936 AT STATION F106-R. REMOVED MARCH 2, 1938. REINSTALLED SEPTEMBER 25, 1939 AT STATION F106B-R AT CHANDLER BOULEVARD. REMOVED NOVEMBER 11, 1941. REINSTALLED NOVEMBER 24, 1941 AT STATION F106-R OVER A 20-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATIONS AND/OR DIVERSIONS: NONE SINCE 1950.

RECORDS AVAILABLE:
AT STATION F106B-R
MARCH 20, 1936 TO JULY 29, 1936.
SEPTEMBER 25, 1939 TO NOVEMBER 11, 1941.
AT STATION F106-R
AUGUST 1930 TO MARCH 18, 1936.
AUGUST 20, 1936 TO MARCH 2, 1938.
NOVEMBER 24, 1941 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 287 SECOND-FEET MARCH 15.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 333 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.
1930-50
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3110 SECOND-FEET JANUARY 1, 1934.
MINIMUM NO FLOW MOST OF EACH YEAR.
1950-53
MAXIMUM 333 SECOND-FEET NOVEMBER 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACH: FAIR. DISCHARGE-GAGE HEIGHT RELATION UNRELIABLE AT 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.

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

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH
AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	RAISE HEAVY FEET	DISCHARGE SEC. FT.	RAY- INB	METH DO	MEAN SEC. NO.	R. HY. DISCH. TOTAL	METER NO.
138	12-2	0025 0031	BLAKELY	5.5	1.12	0.89	4.75	1.0	.5	8	0	FC24	
139	12-4	2235 2242	BLAKELY-HANSEN	28.0	9.61	1.95	5.04	18.8	.5	9	-03	"	
140	12-12	0008 0015	BLAKELY	24.0	9.82	2.12	5.11	20.8	.5	8	0	"	
141	12-29	1859 1859	BLAKELY-HANSEN	26.5	6.84	1.04	4.98	7.1	.5	8	0	"	
142	12-30	1243 1248	BLAKELY-GREEN	18.0	5.86	1.48	4.91	8.7	.5	9	0	"	
143	1-7	0030 0040	BLAKELY	32.0	16.9	2.68	5.27	45.4	.5	10	-02	"	
144	1-12	1507 1517	BLAKELY-WESTLING	42.0	25.8	3.52	5.37	91.0	.6	12	+04	"	
145	1-15	1345 1350	"	23.0	11.1	2.99	4.83	33.2	.5	8	+05	"	
146	1-16	0250 0258	"	34.0	15.5	2.95	4.84	45.8	.5	8	0	"	
147	1-17	2058 2105	"	44.0	42.2	4.72	5.27	199.	.6	8	-10	"	
148	3-7	0511 0521	"	43.0	18.3	3.85	4.89	70.4	.5	13	-04	"	
149	3-15	1419 1419	LANG-WESTLING	44.7	42.7	5.27	5.00	225.	.6	12	0	FC12	

DISCHARGE MEASUREMENTS OF TUJUNGA WASH - CENTRAL BRANCH
AT Magnolia Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	RAISE HEAVY FEET	DISCHARGE SEC. FT.	RAY- INB	METH DO	MEAN SEC. NO.	R. HY. DISCH. TOTAL	METER NO.
150	11-8	0243 0257	BLAKELY	44.0	18.3	2.40	4.69	44.0	.5	12	0	FC24	
151	12-2	0013 0030	THOMAS	20.7	5.19	1.41	4.28	7.3	.5	11	-.13	FC42	
152	1-6	1532 1542	BLAKELY	5.0	0.57	0.68	4.14	0.39	.5	6	0	FC24	

ND14M P. O. Dist. 55 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH - at Magnolia Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.6	0	0	0	0	0	0	0	0	0
2	0	0	0.4	0	0	3.0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	2.5	0	0	0	0	0	0	0	0	0
5	0	0	0.7	0	0	0	0	0	0	0	0	0
6	0	0	0	1.5	0	7.7	0	0	0	0	0	0
7	0	0	0	+ 5.2	0	37.0	3.8	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	7.9	0	0	0	0	0
11	0	0	0.4	0	0	0	0	0	0	0	0	0
12	0	0	8.0	22.0	0	0	0	0	0	0	0	0
13	0	0	0	0.6	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	65.0	0	105.0	0	0	0	0	0	0
16	0	0	0	115.0	0	8.9	0	0	0	0	0	0
17	0	0	0	72.0	0	0	0	0	0	0	0	0
18	0	0	0	35.0	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	2.5	0	0	6.9	2.8	0	4.7	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	30.0	0	6.3	0	0	0	0	0	0	0
31	0	0	15.0	0	0	0	0	0	0	0	0	0
	2.5	0.6	56.1	224.3	9.1	161.6	20.9	0	0	0	0	0

MEAN	0.28	2.02	1.82	7.24	0.31	5.21	2.70	0	0	0	0	0
ACRE- FEET	5.0	1.2	111.	445.	18.	329.	41.	0	0	0	0	0
Remarks:	+ = 0.05 c.f.s. or less											
YEAR OR PERIOD	MEAN ACRE-FEET											1.30 0.1

ND14M G 12-53

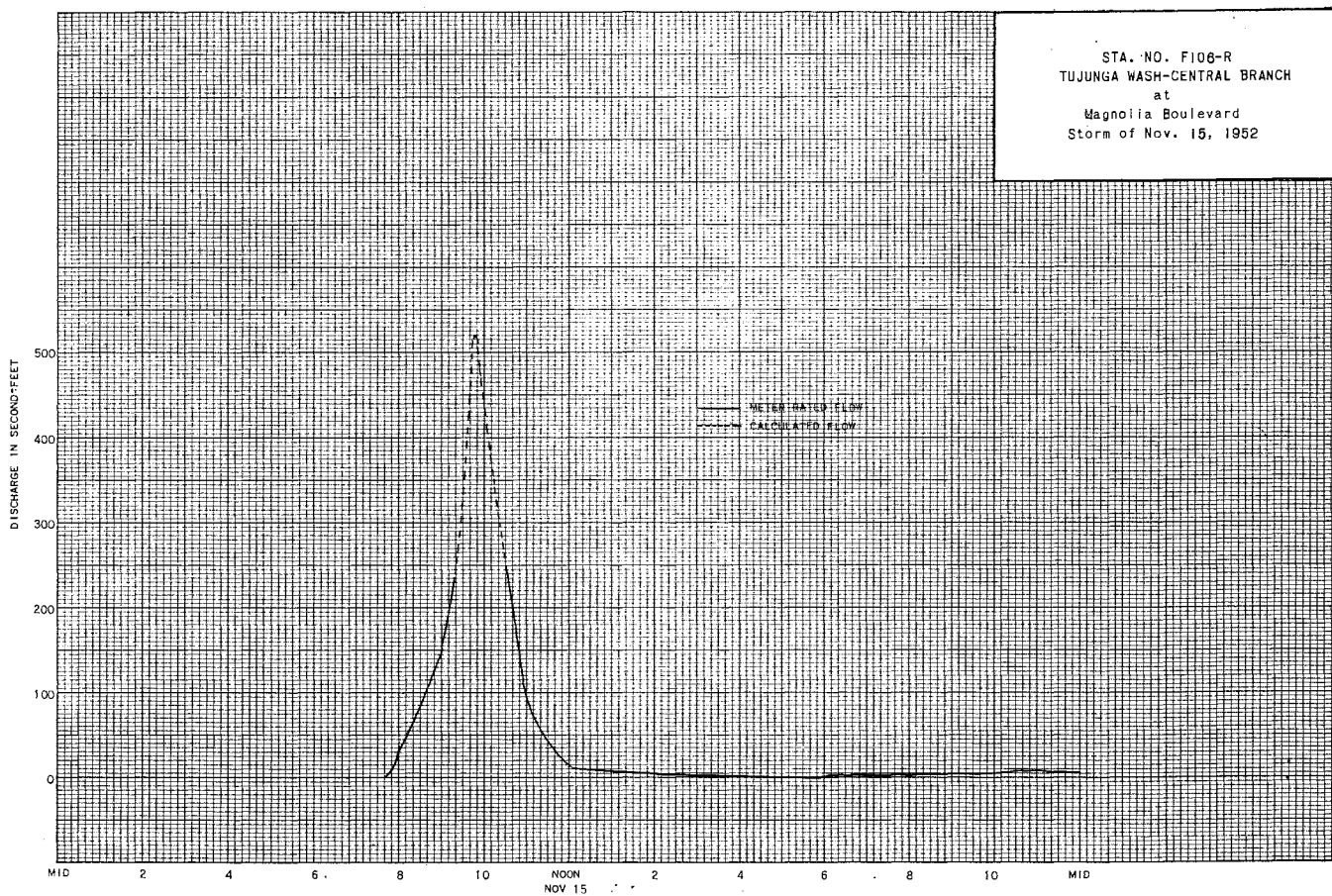
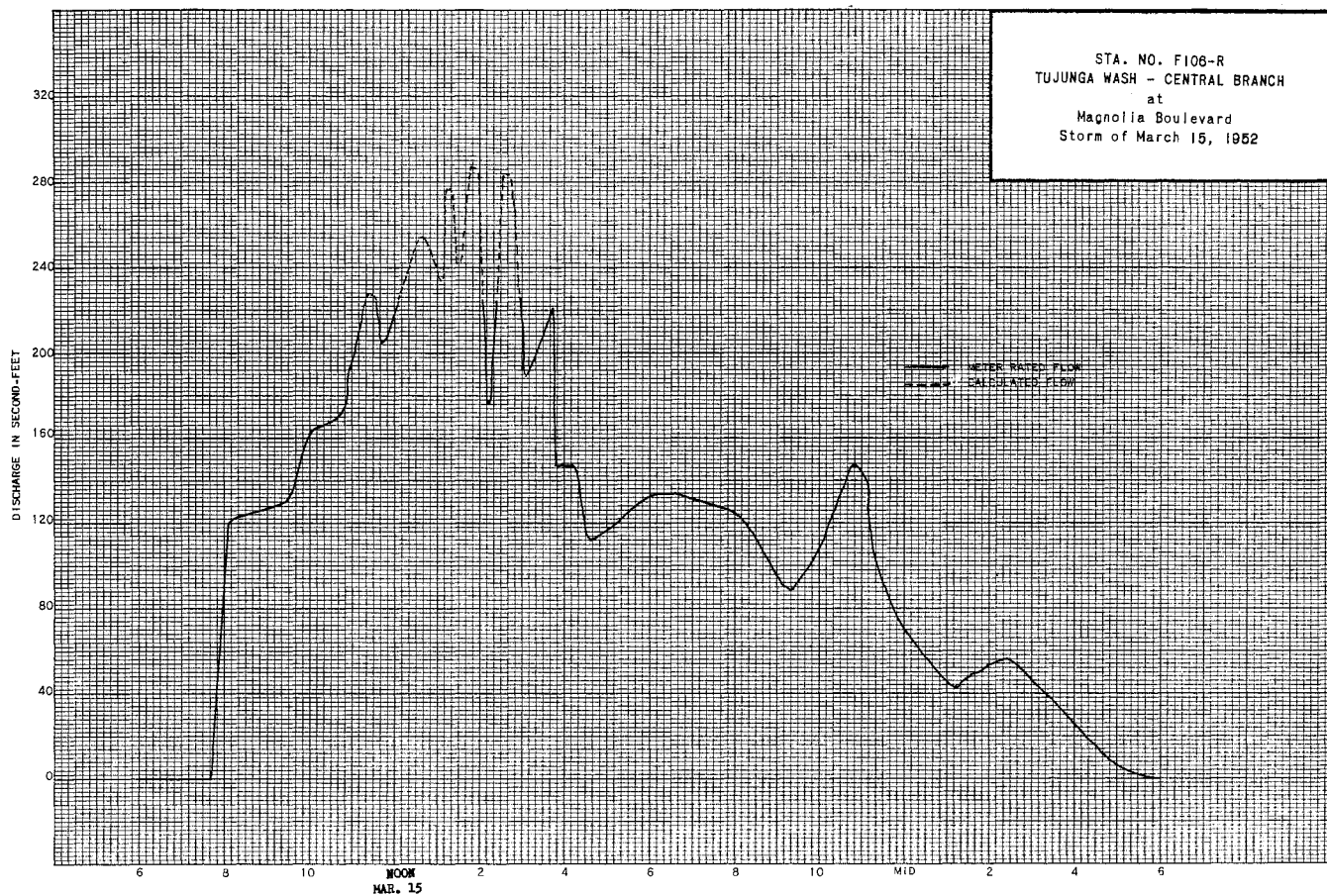
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F106-R

Daily discharge, in second-feet of TUJUNGA WASH - CENTRAL BRANCH at Magnolia Boulevard for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.9	0	0	0	0	0	0	0	0	0
2	0	0	0.5	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0.4	0	0	0	0	0	0	0	0
7	0	0	0	0.3	0	0	0	0	0	0	0	0
8	0	0	3.7	0.1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1.0	0	0	0	0	0	0	0	0
15	0	0	21.5	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	30.1	1.8	0	0	0	0	0	0	0	0

MEAN	0	1.26	0.97	0.06	+	0	+	0	0	0	0	0
ACRE- FEET	0	75.	60.	3.6	+	0	+	0	0	0	0	0
Remarks:	+ = 0.05 c.f.s. or less											
YEAR OR PERIOD	MEAN ACRE-FEET											0.19 139.



STATION F297-R
BOUTON CREEK at Anaheim Street

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

DRAINAGE AREA: 3.60 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 7, 1949 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 7, 1949 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 460 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 130 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.

1950-53
MAXIMUM DISCHARGE OF RECORD 460 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW PART OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF BOUTON CREEK
AT Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. DD	HEAR. SEC. NO.	R. BY DISCHARGE TOTAL	METER NO.
22	11-21	1440 1446	BONADIMAN	7.0	5.85	0.31	2.54	1.8	.6	5	0	FC19	
23	11-29	1510 1508	"	5.0	2.15	0.20	2.26	0.44	.6	4	0	"	
24	12-2	1200 1420	"	19.0	16.2	0.12	2.45	1.9	.6	5	0	"	
25	12-6	1414 1450	"	4.0	2.35	0.28	2.20	0.67	.6	4	0	"	
26	12-13	1444 1404	"	5.0	2.60	0.20	2.23	0.51	.6	5	0	"	
27	12-19	1368 1404	"	15.4	18.2	0.36	3.32	6.5	.6	6	-.04	"	
28	12-20	1434 1442	"	TWO	CHANNELS		1.82	0.55	SURF.	6	0	"	
29	12-29	1418 1426	BONADIMAN-GROFF	17.3	30.0	1.84	3.26	58.2	.6	6	0	"	
30	12-30	1130 1140	BONADIMAN-LANG	19.2	29.6	1.31	3.12	38.8	.6	7	0	"	
31	12-31	1102 1108	BONADIMAN	10.2	4.29	0.33	1.74	1.4	.6	4	0	"	
32	1-12	2230 2230	BONADIMAN-HOLLERON	22.4	30.1	2.09	3.29	63.0	SURF.	6	+.08	"	
33	1-14	1122 1124	HOLLERON-BONADIMAN	1.5	0.45	1.07	3.57	0.48	5	4	0	"	
34	1-15	2210 2226	BONADIMAN-HOLLERON	17.3	16.2	1.72	2.62	27.9	.6	5	-.09	"	
35	1-18	0332 0338	BONADIMAN-WRIGHT	30.1	108.	3.23	5.81	349.	.6	7	+.02	"	
36	1-25	1030 1038	"	17.3	18.6	1.41	2.54	26.2	.6	5	-.02	"	
37	3-7	0630 0636	BONADIMAN-HYDE	30.0	64.4	2.65	4.76	170.	.6	7	+.03	"	
38	3-8	1345 1354	HYDE-BONADIMAN	12.8	6.40	0.91	1.75	5.8	.6	5	0	"	
39	3-13	1406 1412	BONADIMAN	1.5	0.37	0.38	1.32	0.14	FLOATS	3	0	"	
40	3-15	1910 1926	BONADIMAN-HYDE	28.2	50.5	1.98	4.06	100.	.6	7	+.05	FC19	
41	3-19	1502 1506	BONADIMAN	2.5	0.62	1.48	1.50	0.92	.6	3	0	"	
42	4-10	1452 1500	"	12.5	5.65	0.55	1.69	3.1	.6	6	0	"	

DISCHARGE MEASUREMENTS OF BOUTON CREEK
AT Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING.	METH. DD	HEAR. SEC. NO.	R. BY DISCHARGE TOTAL	METER NO.
43	11-15	1700 1705	BONADIMAN-DEMARS	20.5	41.6	0.94	3.61	39.0	.6	6	-.04	FC19	
44	11-16	1252 1258	"	17.0	1.09	0.28	2.37	0.30	.6	5	0	"	
45	12-1	2130 2140	"	21.0	39.3	0.31	3.35	12.1	.6	7	+.55	"	
46	12-20	0652 0655	"	21.0	43.4	0.67	3.54	29.1	.6	6	+.05	"	
47	12-21	1320 1324	"	2.0	0.30	1.47	1.61	0.44	.5	3	0	"	
48	12-28	0930 0943	DE MARS-BONADIMAN	19.0	22.7	0.29	2.43	6.6	.6	5	+.02	"	
49	12-28	1252 1300	"	22.0	57.2	1.65	4.20	94.2	.6	6	0	"	
50	12-30	2047 2057	BONADIMAN-GODFREY	19.5	31.6	0.58	2.96	18.2	.6	6	0	"	
51	1-7	1320 1322	"	CHANNELS			1.91	1.32	.6	6	0	"	
52	2-23	1400 1401	BONADIMAN	2.0	0.40	0.20	1.38	0.08	FLOAT	3	0	"	
53	4-27	2220 2225	BONADIMAN-DE MARS	3.8	2.00	2.05	2.63	4.1	.6	5	+.05	FC19	
54	4-28	1345 1351	"	3.8	2.00	0.90	2.32	1.8	.6	5	0	"	

FD-207 (Rev. 7-1-50)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F297-R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	+	0.2	0.2	0	0	0	0	0	0	0	0
2	0	+	1.1	0	0	0	0	0	0	0	0	0
3	0	0	0.4	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	+	2.0	0	0	0	0	0	0	0	0	0
6	0	0	0.6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	6.8	0	0	0	0	0	0
8	0	0	0	0	0	6.3	0	0	0	0	0	0
9	0	0	0.1	0.1	0	0.4	0	0	0	0	0	0
10	0	0	0	0	0	0.5	0	0	0	0	0	0
11	0	0	0.1	0	0	0.9	0	0	0	0	0	0
12	0	0	2.2	7.0	0	0	0	0	0	0	0	0
13	0	0	0.8	1.9	0	0.1	0	0	0	0	0	0
14	0	0	0.2	1.0	0	0	0	0	0	0	0	0.1
15	0	0	0.2	0.8	0	0	0	0	0	+	0	0.1
16	0	0	+	3.4	0	1.8	0	0	0	0	0	0
17	0	0	+	0.4	0	0.9	0	0	0	0	0	0
18	0	0	0	1.3	0	0	0	0	0	0	0	0
19	0	0	0	0.3	0	0.4	0	0	0	0	0	0
20	0	2.7	0.8	+	0	0	0	0	0	0	0	0
21	0	2.6	0	0	0	0	0	0	0	0	0	0
22	0	0.2	0	0	0	0	0	0	0	0	0	0
23	0	0.2	0	0	0	0	0	0	0	0	+	0
24	+	0	0	0	0	0	0	0	+	0	0	0
25	+	0	0	3.8	0	0	0.7	0	0	0	0	0
26	0	0	0	0.1	0	0	0.8	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0.3	0	0	0	0	0	0	0	0	0	0
29	0.4	0.4	4.0	0	0	0	0	0	0	0	0	0
30	0	0.3	2.8	0	0	0	0	0	0	0	0	0
31	0	0.3	1.5	0	0	0	0	0	0	0	0	0
	0.4	6.7	82.8	386.6	0	134.5	3.6	0	+	+	+	0.2
MEAN	0.013	0.22	2.57	12.5	0	4.84	0.12	0	+	+	+	.007
ACRE- FEET	0.8	13.	164.	767.	0	267.	7.1	0	+	+	+	0.4

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

YEAR OR PERIOD MEAN ACRE-FEET 1.68
1220.

FD-207 (Rev. 7-1-50)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

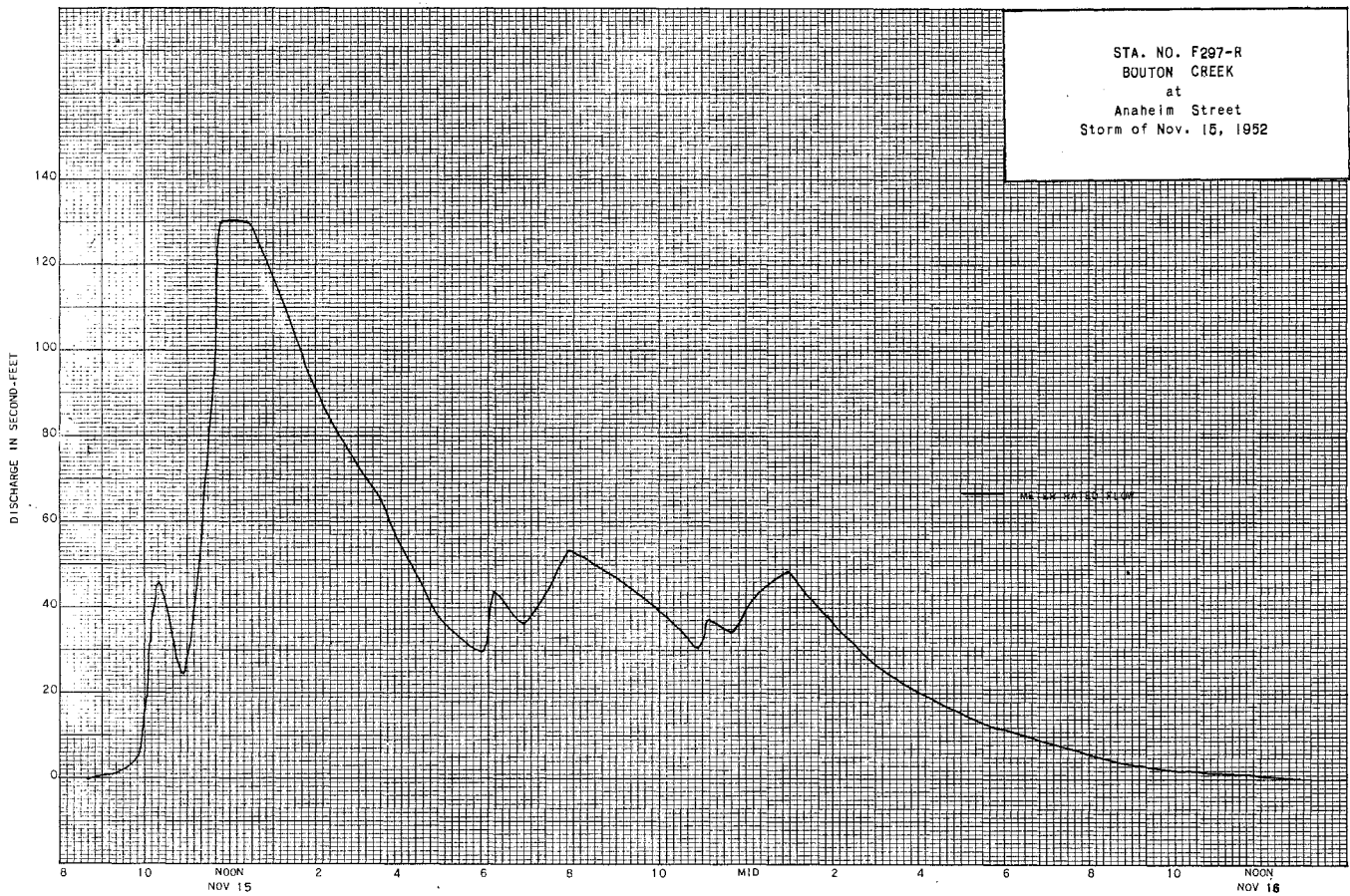
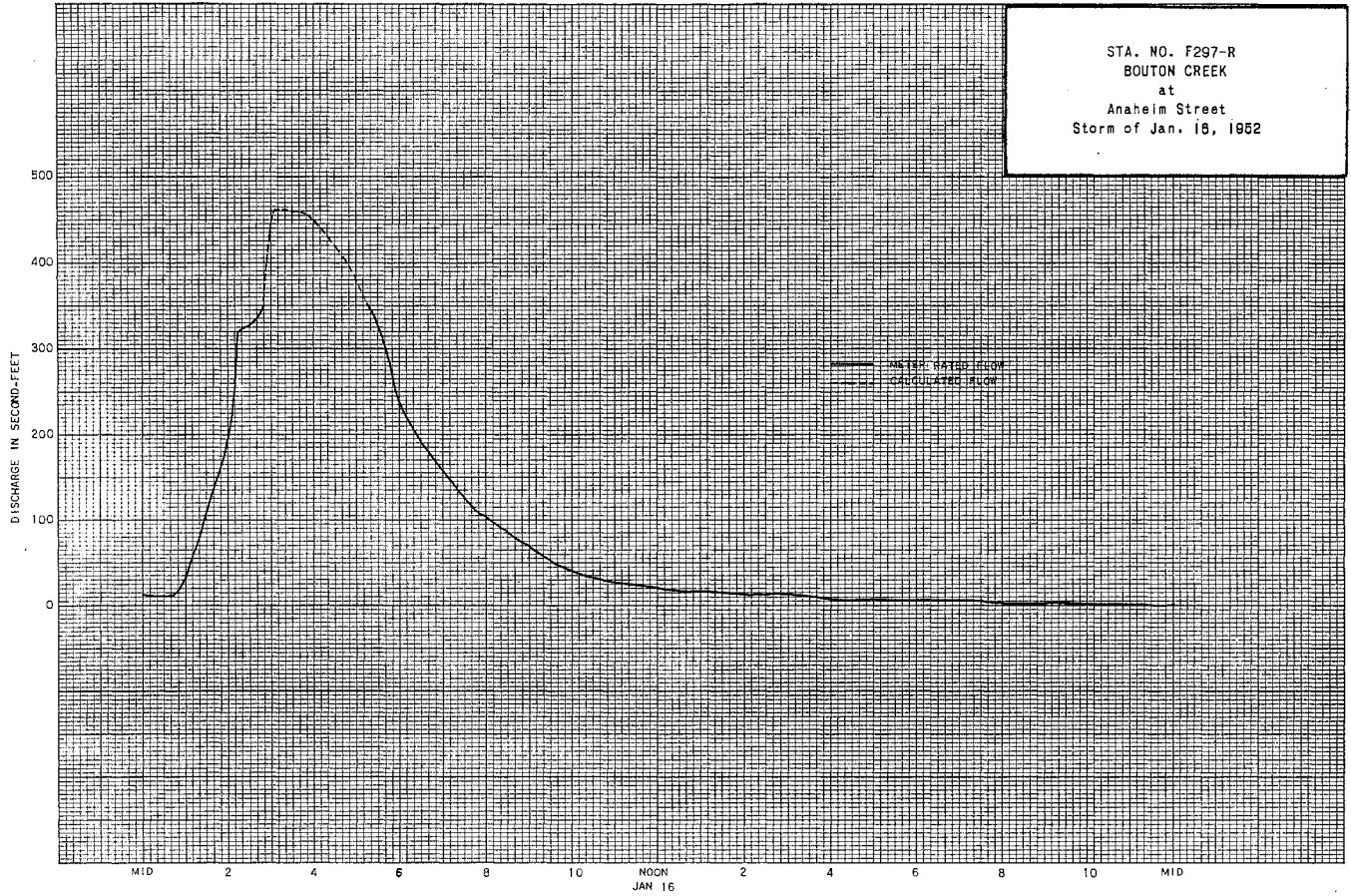
Sta. No. F297-R

Daily discharge, in second-feet of BOUTON CREEK at Anaheim Street for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	9.4	0.2	0	+	0	0	0	0	0	0
2	0	0	1.1	0	0	0.2	0	0	0	0	0	0
3	0	0	0.7	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	2.1	0	0	0	0	0	0	0	0
7	0	0	0	3.0	0	0	0	0	0	0	0	0
8	0	0	0	2.0	0	0	0	0	0	0	0	0
9	0	0	0	0.4	0	0	0	0	0	0	0	0.4
10	0	0	0	0.1	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	0.8	0	0	0	0	0	0	0	0
14	0	0.5	0	0.9	0	0	0	0	0	0	0	0
15	0	3.4	0	0.1	0	0	0	0	+	0	0	0
16	0.6	3.5	0	0	0	0	0	0	0	0	0	0
17	0	0	1.1	0	0	0	0	0	0	0	0	0
18	0	0	1.0	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	8.1	0	0	0	0	0	0	0	0	0
21	0	0	0.7	0	0	0	0	0	0	0	0	0
22	0	7.0	0	0	+	0	0	0	0	0	0	0
23	0	4.7	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	+	0	0	0
27	0	0	0	0	0	0	0.7	0	0	0	0	0
28	0	0	17	0	0	0	2.5	0	0	0	+	0
29	0	0	0	0	0	0	0.3	0	0	0	0	0
30	0	0	5.6	0	0	0	+	0	0	0	0	0
31	0	0	2.0	0	0	0	0	0	0	0	0	0
	0.6	54.7	56.6	9.6	+	0.2	4.5	+	+	0	+	0
MEAN	0.02	1.82	1.83	0.31	+	.006	0.15	+	+	0	+	0
ACRE- FEET	1.2	108.	112.	19.	+	0.20	8.9	+	+	0	+	0

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

YEAR OR PERIOD MEAN ACRE-FEET 0.22
250.



STATION E285-R
BURBANK WESTERN STORM DRAIN at Riverside Drive

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'36" LONG. 118°18'13", ON THE RIGHT (WEST) BANK, 20 FEET UPSTREAM FROM HIGHWAY BRIDGE, NEAR THE SOUTHWEST CITY LIMITS OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 466.08 FEET.

DRAINAGE AREA: 25.0 SQUARE MILES.

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

RECORDS AVAILABLE: AT OFFICE OF CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, 751 SOUTH FIGUEROA STREET, LOS ANGELES, FROM OCTOBER 1949 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: NONE.

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

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN
AT Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	RAIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH	METH. NO.	HEAR. REG. NO.	B. HT. CHANGE TOTAL	METER NO.			
131	10-11	1410 1250	BLAKELY	38.0	7.18	0.52	0.07	3.7	.5	7	0	EC24				
132	11-1	1258	"	37.5	5.58	0.61		3.4	.5	7		"				
133	11-15	1355 1401	"	38.0	6.90	0.58	0.05	4.1	.5	7	0	"				
134	1-9	1429 1437	"	37.0	6.35	0.61		3.9	.5	7		"				
135	2-1	1634 1640	"	13.0	3.15	1.02		3.2	.5	9		"				
158	7-30	1015	"					4.0				0.46	4.3	"	"	
159	8-6	1250	"					4.0				0.42	3.6	"	"	
160	8-13	1050	"					4.0				0.39	3.2	"	"	
161	8-20	1420	"					4.0				0.43	3.8	"	"	
162	8-27	1245	"					4.0				0.43	3.8	"	"	
163	9-3	1347	"					4.0				0.41	3.5	"	"	
164	9-10	1535	DEMARS					4.0				0.39	4.2	"	"	
165	9-17	1110	LUCE					4.0				0.41	3.5	"	"	
166	9-24	1440	"					4.0				0.41	3.5	"	"	

DISCHARGE MEASUREMENTS OF BURBANK WESTERN STORM DRAIN
AT Riverside Drive DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	RAIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH	METH. NO.	HEAR. REG. NO.	B. HT. CHANGE TOTAL	METER NO.
136	2-5	1635 1639	LUCE	11.0	3.57	0.90	0.05	3.2	.5	12			FC41
137	2-11	1408	"	11.0	2.72	1.14		3.1	.5	9			"
138	2-19	1144 1155	"	11.0	2.48	1.29	0.06	3.2	.5	9			"
139	3-12	1140 1146	"	11.1	3.70	0.97		3.6	.5	8			"
140	3-19	1130 1136	LUCE-DE MARS	10.5	3.91	0.86	0.06	3.3	.5	8			"
141	3-26	1163 1135	LUCE	12.0	2.61	1.19		3.1	.6	8			"
142	4-2	0952 1300	"	10.5	2.30	1.22		2.9	.5	8			"
143	4-9	1148 1158	"	11.5	2.12	1.32	0.05	2.8	.5	8			"
144	4-16	1322 1344	"	10.0	2.23	1.35		3.0	.5	7			"
145	4-23	1355	"	4.0			0.48	4.4					RECT. WEIR
146	4-30	1055	"	4.0			0.40	3.5					"
147	5-7	1126	"	4.0			0.40	3.5					"
148	5-14	1035	"	4.0			0.38	3.1					"
149	5-21	1300	"	4.0			0.37	3.1					"
150	5-28	1410	"	4.0			0.40	3.4					"
151	6-4	1305	WHISLER	4.0			0.43	3.8					"
151A	6-11	1300	"				0.38	3.1					"
152	6-18	1202	LUCE	4.0			0.40	3.4					"
153	6-25	1105	"	4.0			0.40	3.4					"
154	7-2	1095	"	4.0			0.40	3.4					"
155	7-9	1112	"	4.0			0.43	3.8					"
156	7-16	1155	LUCE-GODFREY	4.0			0.49	4.6					"
157	7-23	1046	LUCE	4.0			0.40	3.4					"

STATION F108-R
CASTAIC CREEK at Highway 126

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'41" LONG. 116°37'41" NEAR THE CENTER OF THE DOWNSTREAM SIDE OF THE HIGHWAY BRIDGE AT STATE HIGHWAY NO. 126 ABOUT 6.0 MILES NORTHWEST OF SAUGUS AND 1.5 MILES WEST OF THE JUNCTION OF STATE HIGHWAY NO. 126 AND U.S. HIGHWAY NO. 99. ELEVATION OF ZERO GAGE HEIGHT, 952.05 FEET.

DRAINAGE AREA: 202.5 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 27, 1945 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSION: NONE.

RECORDS AVAILABLE: DECEMBER 27, 1945 TO SEPTEMBER 30, 1953. SOME STREAM FLOW MEASUREMENTS ARE AVAILABLE FOR EARLIER YEARS.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 4200 SECOND-FEET JANUARY 15.
MINIMUM NO FLOW PART OF YEAR.

1952-53
MAXIMUM 377 SECOND-FEET DECEMBER 2.
MINIMUM DRY MOST OF YEAR.

1949-53
MAXIMUM 4200 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: PDDR.

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

DISCHARGE MEASUREMENTS OF CASTAIC CREEK
AT Highway 126 DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN REC. NO.	D. CHAN- NELS TOTAL	METER NO.
31	12-5	0900 0915	LUCE	TWO	CHANNE		5.22	14.6		.6	16	-.08	FC39
32	12-30	0740 0800	LUCE-BLAKE	"	"		5.34	76.0		.6	21	+.05	"
33	1-13	1215 1235	" "	"	"		4.71	83.0		.6	26	-.04	"
34	1-14	1425 1430	" "	4.7	0.98	0.96	3.80	0.94		.6	7	0	"
35	1-17	1550 1615	" "	TWO	CHANNELS		4.38	44.1		.6	21	0	"
36	1-18	1330 1410	" "	THREE	CHANNELS		4.96	506.		.6	24	-.04	"
37	1-24	1125 1130	" "	3.6	0.74	0.96	3.26	0.71		.6	6	-.01	"
38	3-7	1295 1310	" "	THREE	CHANNELS		4.72	349.		.6	36	-.02	FC41
39	3-13	1320 1330	LUCE	15.5	4.91	1.61	3.86	7.9		.6	11	0	"
40	3-16	1150 1230	LUCE-BLAKE	THREE	CHANNELS		4.81	663.		.6	42	-.04	"
41	3-18	1620 1650	LUCE	64.0	49.0	4.90	4.29	240.		.6	19	-.02	"
42	3-27	1315 1330	"	34.7	23.2	4.35	4.15	101.		.6	14	0	"
43	4-4	1445 1500	"	35.2	12.9	2.36	4.01	30.5		.6	15.	0	"
44	4-17	1030 1100	"		CHANNELS		3.98	19.5		.6	26	0	"
45	4-25	1345 1355	"		"		3.95	6.6		.6	16	0	"
46	5-2	1125 1135	"		"		3.93	5.3		.6	17	0	"

TBD14M F. C. DIST. 52 8-58

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.2	0	68	5.4	0			
2	0	0	0	0	0.1	0	60	0	0			
3	0	0	0	0	0	0	45	0	0			
4	0	0	0	0	0	0	30	0	0			
5	0	0	1.3	0	0	0	26	0	0			
6	0	0	0	0	0	0	23	0	0			
7	0	0	0	0	0	517	94	0	0			
8	0	0	0	0	0	18	113	0	0			
9	0	0	0	0	0	11	31	0	0			
10	0	0	0	0	0	9.1	27	0	0			
11	0	0	0	0	0	8.4	25	0	0	Recorder stopped		
12	0	0	0.9	0.5	0	8.4	22	0	0	Recorder stopped		
13	0	0	0	0.9	0	8.8	20	0	0	Recorder stopped		
14	0	0	0	0	0	9.9	19	0	0	Recorder stopped		
15	0	0	0	1.4	0	12.0	17	0	0	Recorder stopped		
16	0	0	0	10.9	0	79.4	16	0	0	Recorder stopped		
17	0	0	0	36.4	0	430	15	0	0	Recorder stopped		
18	0	0	0	53	0	257	14	0	0	Recorder stopped		
19	0	0	0	50	0	202	16	0	0	Recorder stopped		
20	0	0	0	2.3	0	170	12	0	0	Recorder stopped		
21	0	0	0	1.3	0	150	11	0	0			
22	0	0	0	1.2	0	135	9.5	0	0			
23	0	0	0	0.9	0	128	8.1	0	0			
24	0	0	0	0.4	0	121	6.4	0	0			
25	0	0	0	3.8	0	117	6.7	0	0			
26	0	0	0	1.4	0	115	7.8	0	0			
27	0	0	0	0.8	0	114	7.0	0	0			
28	0	0	0	0.5	0	113	6.7	0	0			
29	0	0	1.6	0.5	0	113	6.2	0	0			
30	0	0	20	0.4	0	107	5.4	0	0			
31	0	0	0	0.4	0	90	0	0	0			
	0	0	38.5	3970.7	0.4	4946.6	767.8	20.8	0	0	0	1.1

MEAN	0	0	1.24	128.	0.01	160.	25.6	2.67	0	0	0	0.04
ACRE- FEET	0	0	76.	7890.	0.8	9810.	1520	41.	0	0	0	2.2

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

YEAR MEAN 26.6
OR PERIOD ACRE-FEET 1930.

TBD14M F. C. DIST. 52 8-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F108-R

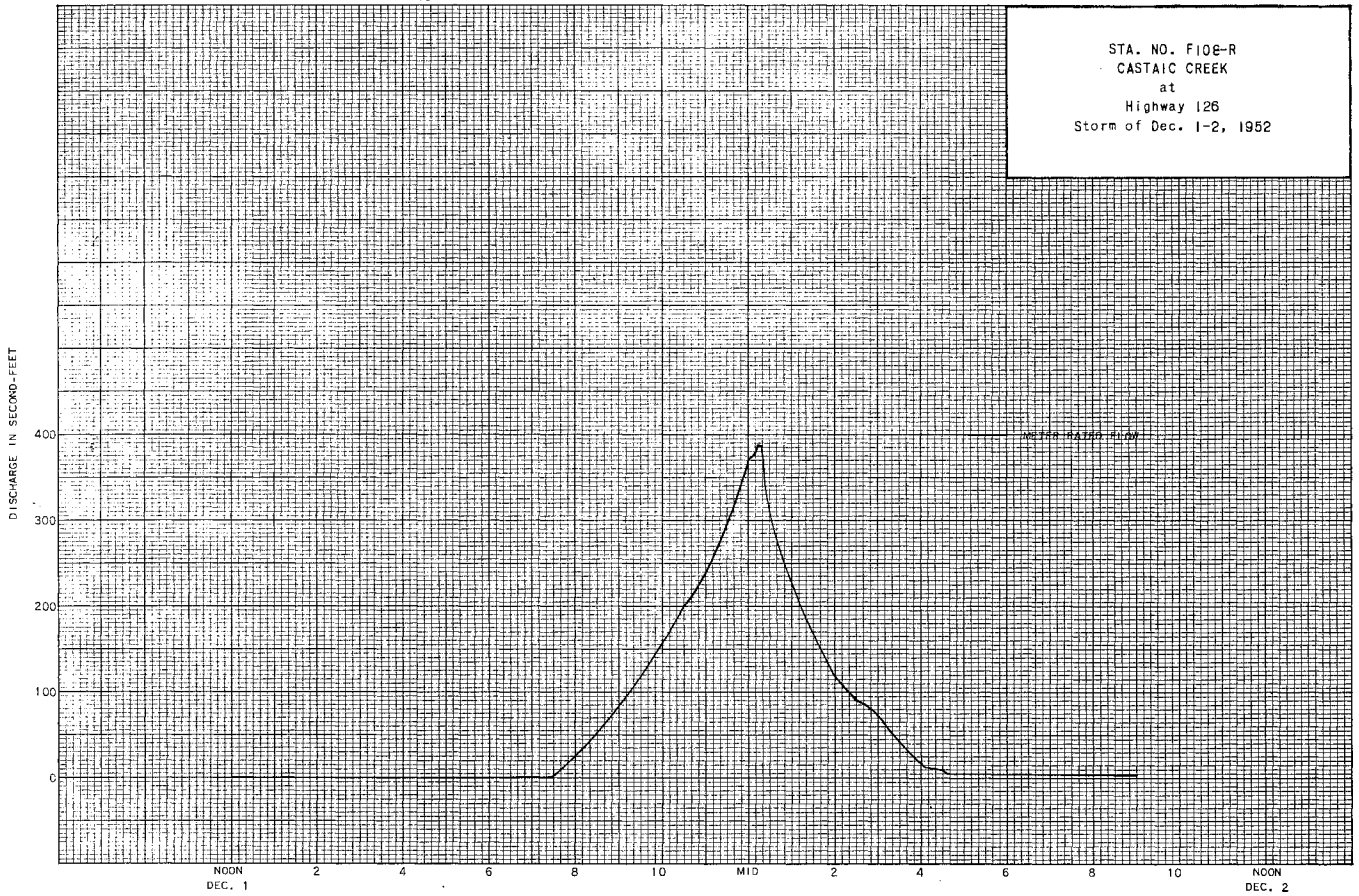
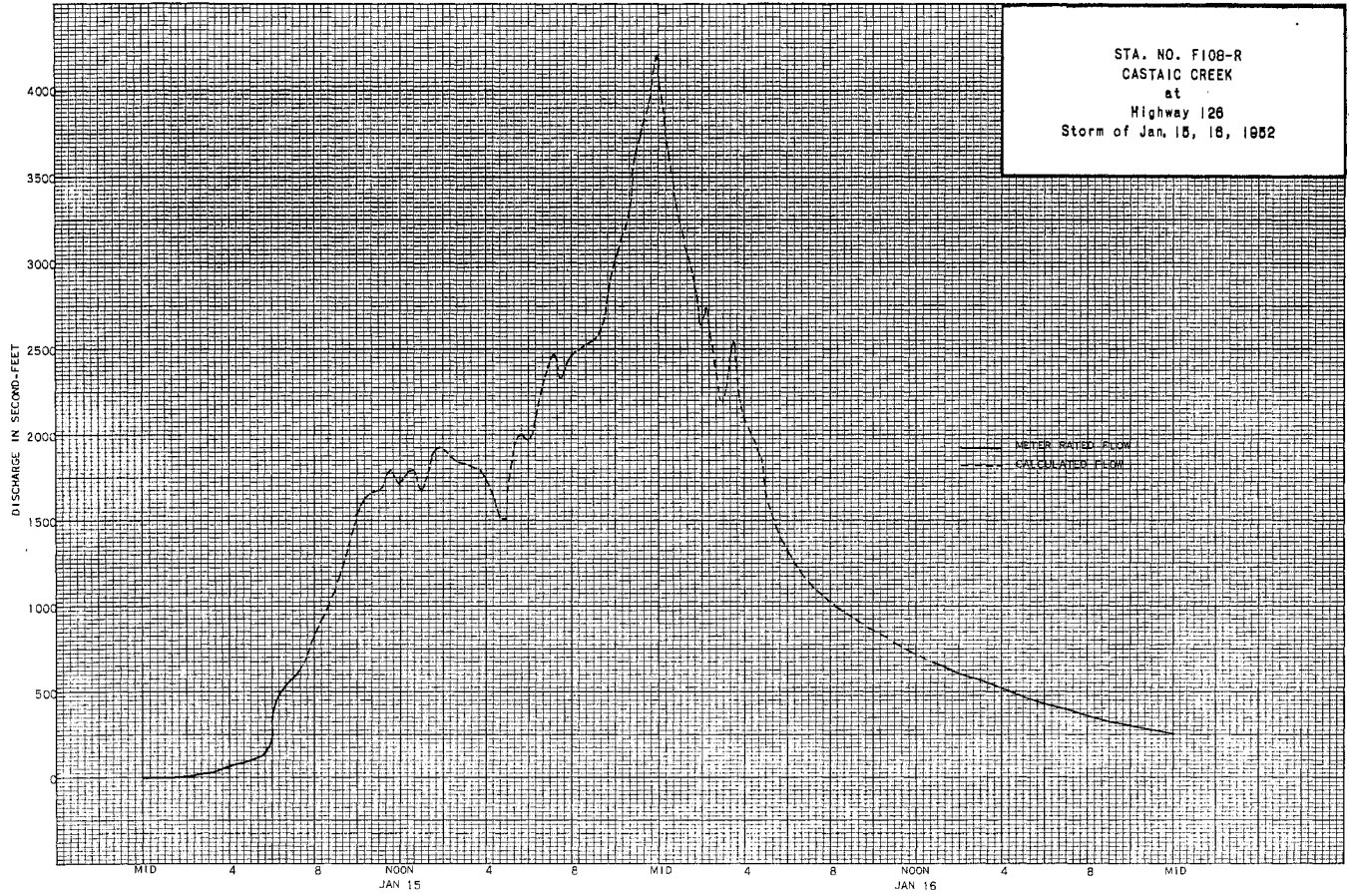
Daily discharge, in second-feet of CASTAIC CREEK at Highway 126 for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	3.1	0	0	0	0	0				
2	0	0	2.3	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	0	0	0	0	0	0				
5	0	0	0	0	0	0	0	0				
6	0	0	0	0	0	0	0	0				
7	0	0	0	0	0	0	0	0				
8	0	0	0	0	0	0	0	0				
9	0	0	0	0	0	0	0	0				
10	0	0	0	0	0	0	0	0				
11	0	0	0	0	0	0	0	0				
12	0	0	0	0	0	0	0	0				
13	0	0	0	0	0	0	0	0				
14	0	0	0	0	0	0	0	0				
15	0	0.4	0	0	0	0	0	0				
16	0	0.2	0	0	0	0	0	0				
17	0	0	0	0	0	0	0	0				
18	0	0	0	0	0	0	0	0				
19	0	0	0	0	0	0	0	0				
20	0	0	0	0	0	0	0	0				
21	0	0	4.7	0	0	0	0	0				
22	0	0	0	0	0	0	0	0				
23	0	0	0	0	0	0	0	0				
24	0	0	0	0	0	0	0	0				
25	0	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	1.8	0	0	0	0	0				
29	0	0	0	0	0	0	0	0				
30	0	0	0.6	0	0	0	0	0				
31	0	0	0	0	0	0	0	0				
	0	0.6	66.3	0	0	0	0	0				

MEAN	0	0.02	2.15	0	0	0	0	0	0	0	0	0
ACRE- FEET	0	1.2	132.	0	0	0	0	0	0	0	0	0

Remarks:

YEAR MEAN 0.18
OR PERIOD ACRE-FEET 132.



STATION F302-R
COMPTON CREEK at 120th Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°55'27", LONG. 118°15'06", ON THE RIGHT (WEST) BANK OF COMPTON CREEK, 192 FEET UPSTREAM FROM CENTER LINE OF 120TH STREET, WILLOWBROOK. ELEVATION OF ZERO GAGE HEIGHT, 70.64 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 CAN NOT BE MEASURED UNTIL 120TH STREET BRIDGE IS CONSTRUCTED.

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

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 29, 1951 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 1790 SECOND-FOOT JANUARY 16.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES.
1952-53
MAXIMUM 1240 SECOND-FOOT NOVEMBER 15.
MINIMUM NO FLOW SOME DAYS IN DECEMBER AND JANUARY.

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

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 1951

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	BL. HT. CHANGE TOTAL	METER NO.	
1	2-23	1004 1020	BONADIMAN	48.	16.4	2.60	0.36	42.7			8	0	FC19	
2	3-1	1024 1034	HOLLERAN-BONADIMAN	48.	19.7	2.69	0.43	52.9		SURF	8	0	"	
3	4-25	1331 1345	BONADIMAN	48.	34.3	4.49	0.70	154.			5	7	0	"

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	BL. HT. CHANGE TOTAL	METER NO.	
4	10-11	0901 0903	BONADIMAN	16.0	1.60	0.71	0.16	1.1		FLOATS	3	0		
5	10-25	0425 0433	BONADIMAN-HOLLERAN	48.	29.7	4.18	0.76	124.			5	6	+.03	FC19
6	11-15	0940 0945	BONADIMAN	31.	1.65	0.67	0.18	1.1		FLOATS	5	0		
7	11-19	2215 2238	HOLLERAN-BONADIMAN	48.	48.2	3.76	1.09	181.			6	8	+.10	FC19
8	11-21	1012 1026	BONADIMAN	44.0	3.91	0.72	0.21	2.8		FLOATS	5	0		
9	12-4	2353 2356	BONADIMAN-HOLLERAN	48.	46.6	6.39	0.96	298.			6	7	0	FC19
10	12-12	0037 0045	"	48.	42.3	5.20	0.94	220.		SURF	6	7	+.06	"
11	12-19	1002 1019	BONADIMAN	48.4	13.9	1.32	0.37	18.4			6	8	+.02	"
12	12-29	0916 0928	"	48.	95.5	10.8	2.01	1031.			6	7	+.02	"
13	12-29	0832 0942	"	48.	95.7	11.3	2.00	1032.		SURF	7	+.01	"	
14	1-12	1550 1558	BONADIMAN-HOLLERAN	48.	24.	3.54	0.61	84.9		SURF	6	0	"	
15	1-15	1432 1442	"	48.	59.9	8.53	1.34	511.		FLOATS	7	0		
16	1-15	1604 1638	"	48.	76.7	9.83	1.60	754.		FLOATS	7	0		
17	2-29	1510 1526	BONADIMAN	48.	67.2	7.37	1.28	495.			6	7	+.13	FC19
18	3-7	0156 0206	BONADIMAN-HYDE	48.	69.1	7.93	1.22	548.			6	6	+.02	"
19	4-10	1014 1024	BONADIMAN	47.5	28.7	3.48	0.60	99.0		SURF	6	7	0	"

DISCHARGE MEASUREMENTS OF COMPTON CREEK

AT 120th Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	BL. HT. CHANGE TOTAL	METER NO.
20	11-15	1065 1100	BONADIMAN-DE MARS	48.	76.9	7.36	1.65	564.		FLOATS	6	+.10	
21	7-16	1036 1040	BONADIMAN	45.	3.25	1.05	0.14	3.4		"	4	0	
22	8-13	0850 0955	"	44.	7.08	0.45	0.12	3.2		"	4	0	

FD-75K P. C. Dist. 22 4-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.0	b 1.0	2.8	b 0.2	b 1.3	9.5	b 1.3	b 0.5	b 0.5	b 0.3	b 0.3	b 0.4
2	1.0	1.0	14.2	0.2	0.2	0.1	1.0	0.5	0.5	0.3	0.3	0.4
3	1.0	1.0	10.2	0.2	0.2	0.1	1.3	0.5	0.4	0.3	0.3	0.4
4	1.0	1.0	15.2	0.2	0.2	1.5	1.3	0.5	0.4	0.3	0.3	0.5
5	1.0	1.0	4.1	0.2	0.2	1.3	1.7	0.5	0.3	0.3	0.3	0.5
6	1.0	1.0	0.2	b 0.2	0.2	16.4	b 1.0	0.5	0.3	0.3	0.3	0.5
7	1.0	1.0	0.2	29.2	0.2	27.2	2.8	0.5	0.3	0.3	0.3	0.5
8	1.0	1.5	0.2	0.2	1.3	0.5	0.2	0.5	0.3	0.3	0.3	0.4
9	1.0	2.0	0.2	b 0.2	0.2	0.1	b 0.2	0.5	0.3	0.3	0.3	0.4
10	1.0	1.1	0.2	b 0.2	0.2	13.5	b 4.4	0.5	0.3	0.3	0.3	0.4
11	1.1	1.1	0.2	b 0.2	0.1	2.0	b 0.5	0.5	0.3	0.3	0.3	0.4
12	1.0	1.1	3.3	12.9	0.1	b 1.0	0.5	0.5	0.3	0.3	0.3	0.4
13	0.9	1.0	3.1	0.1	0.1	0.5	2.0	0.5	0.3	0.3	0.3	0.4
14	0.8	1.0	1.0	0.2	0.1	0.5	0.2	0.5	0.3	0.3	0.3	0.4
15	0.7	1.1	1.8	2.1	0.1	2.7	0.2	0.5	0.3	0.3	0.3	0.3
16	0.6	1.0	0.2	2.1	0.1	5.8	0.1	0.5	0.3	0.3	0.3	0.3
17	0.1	1.0	0.2	2.2	0.1	0.3	0.1	0.4	0.3	0.3	0.3	0.3
18	0.1	1.0	0.2	3.1	0.2	0.1	0.5	0.3	0.3	0.3	0.3	0.3
19	0.1	2.7	15.3	b 0.2	0.2	3.0	b 0.5	0.3	0.3	0.3	0.3	0.3
20	1.3	2.5	1.0	b 0.2	0.2	0.1	b 0.4	0.3	0.3	0.3	0.3	0.3
21	0.1	2.7	1.0	1.3	0.2	0.1	b 0.4	0.3	0.3	0.3	0.3	0.3
22	0.1	0.1	1.0	0.2	0.2	0.1	0.3	0.3	0.3	0.3	0.3	0.3
23	0.1	0.1	1.0	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.3
24	1.0	0.1	1.0	4.8	1.3	0.1	0.1	0.4	0.3	0.3	0.3	0.3
25	2.3	0.1	1.0	6.2	0.1	0.1	3.0	0.4	0.3	0.3	0.3	0.3
26	1.5	0.1	1.0	0.2	1.6	0.1	0.5	0.5	0.3	0.3	0.3	0.3
27	1.4	0.1	1.0	0.2	1.6	0.1	0.5	0.5	0.3	0.3	0.3	0.3
28	1.4	0.1	1.0	0.2	1.0	0.1	1.0	0.6	0.3	0.3	0.3	0.3
29	1.0	0.1	4.5	0.2	5.0	0.1	1.0	0.6	0.3	0.3	0.3	0.3
30	1.0	0.1	1.7	0.2	0.2	0.1	1.0	0.6	0.3	0.3	0.3	0.3
31	2.0	0.1	1.0	0.2	0.2	0.2	0.5	0.5	0.3	0.3	0.3	0.3
	48.6		735.9		60.8		129.5		9.5		9.4	
		75.6		1248.8		687.0		14.2		9.3		10.9
MEAN	1.57	2.52	23.7	40.3	2.10	22.2	4.32	0.66	0.32	0.30	0.30	0.36
ACRE- FEET	96.	150.	1460.	2480.	121.	1360.	257.	28.	19.	18.	19.	22.

Remarks:

YEAR OR PERIOD MEAN ACRE-
FEET 8.30
6030

FD-75K Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

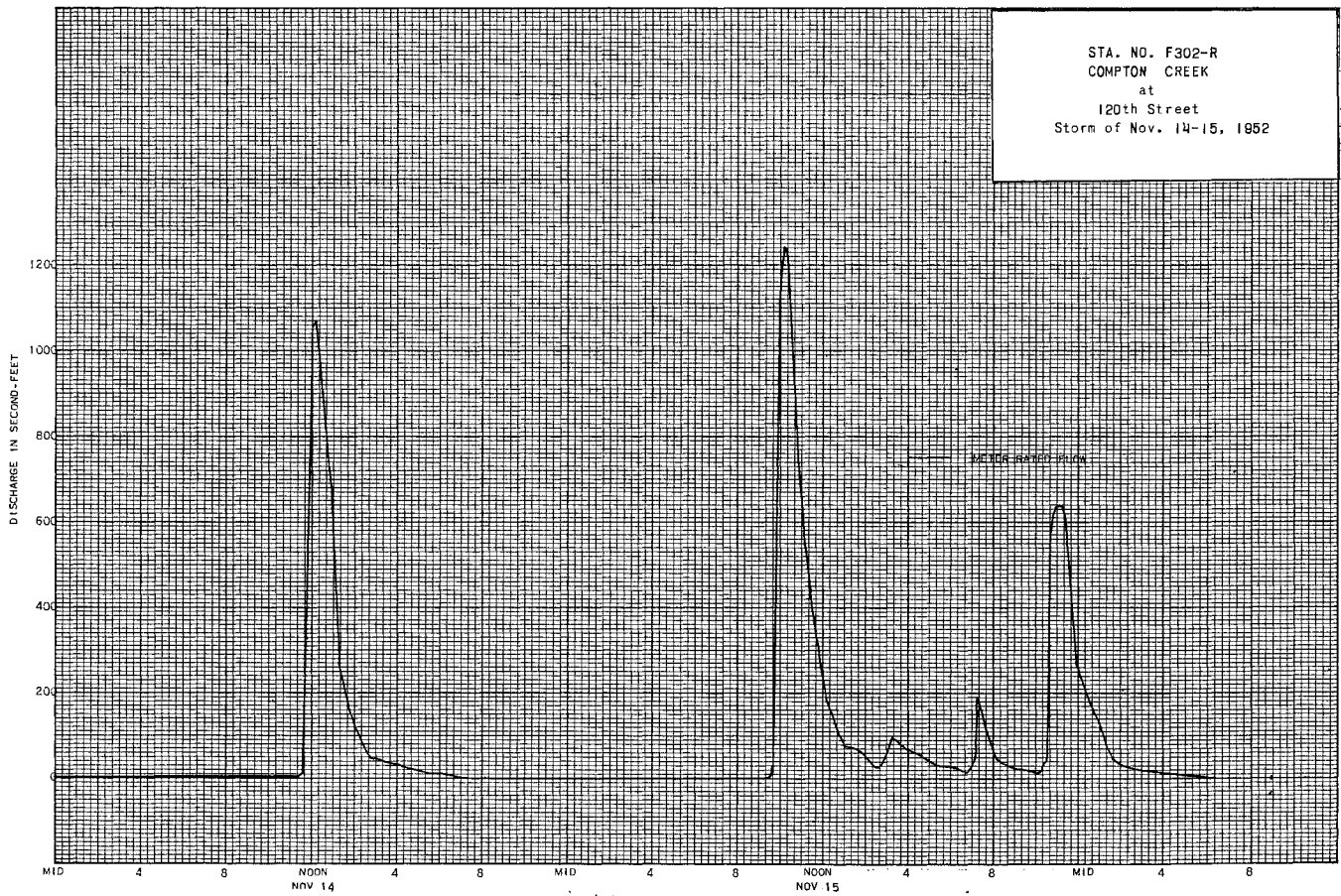
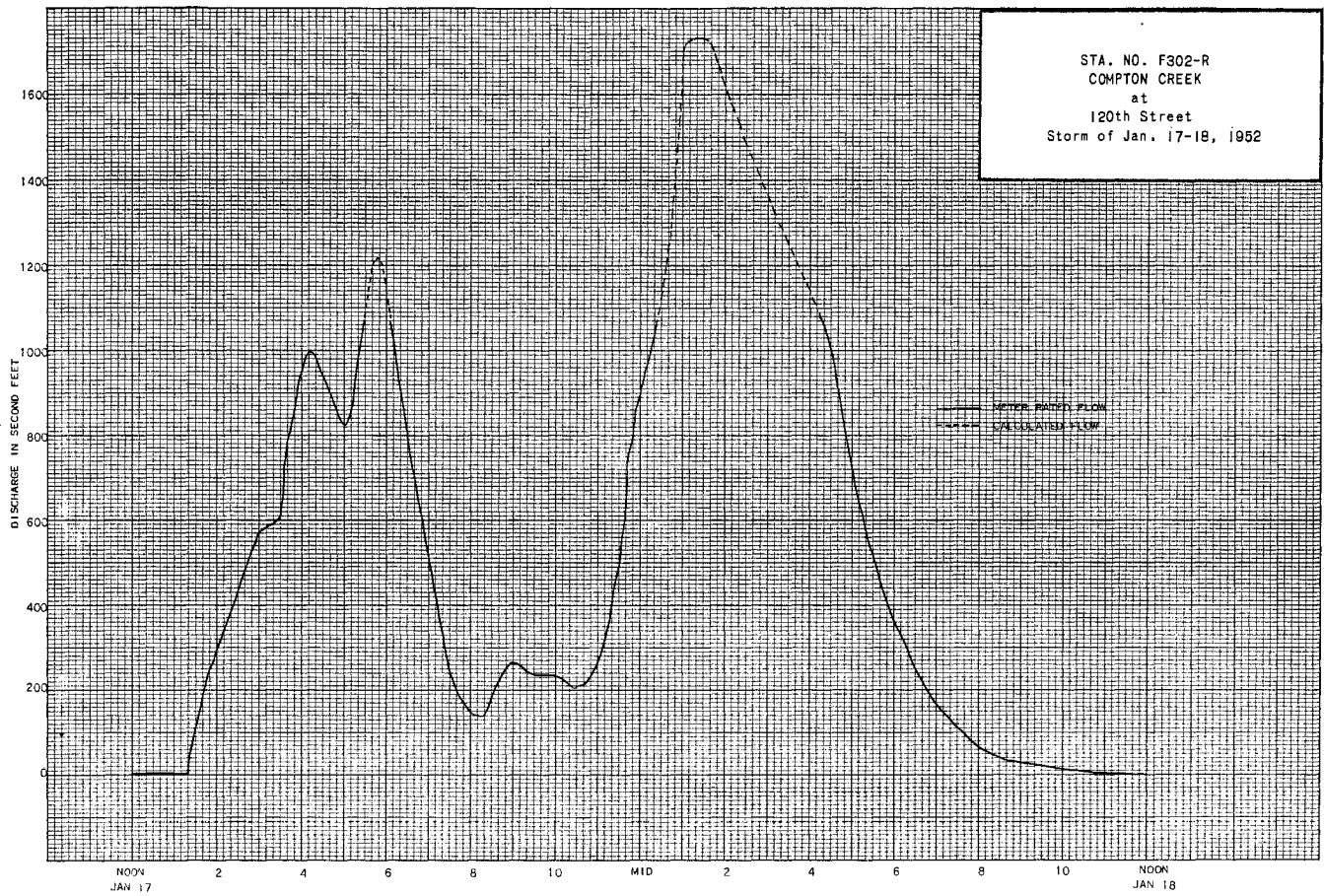
Sta. No. F302-R

Daily discharge, in second-feet of COMPTON CREEK at 120th Street for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 0.3	b 0.2	7.0	b 0.1	b 0.1	5.5	b 0.2	b 0.1	b 0.2	b 0.4	b 0.8	b 0.3
2	0.4	0.2	4.5	0.1	0.1	1.7	0.2	0.1	0.2	0.4	0.3	0.3
3	0.3	0.2	+	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.2
4	0.3	0.2	b +	0.1	0.1	0.1	0.1	0.2	0.2	0.4	1.5	0.1
5	0.3	0.2	b +	b 0.1	0.1	0.1	0.1	0.2	0.2	0.3	2.2	0.1
6	0.3	0.2	3.6	3.0	0.1	0.1	0.1	0.2	0.2	0.2	3.0	0.1
7	0.3	0.2	0.2	14.5	0.4	0.1	0.1	0.3	0.2	0.2	4.2	0.1
8	0.3	0.5	0.2	8.6	0.2	0.1	0.1	0.3	0.2	0.2	4.3	0.4
9	0.3	0.1	0.1	0.6	0.2	0.2	0.2	0.2	0.2	0.3	1.0	0.2
10	0.3	0.2	0.1	0.5	0.2	0.2	0.1	0.2	0.2	0.2	0.8	0.5
11	0.3	0.2	0.1	0.5	0.2	0.2	0.1	0.2	0.2	0.4	0.8	0.5
12	0.3	0.2	0.1	0.4	0.2	0.2	0.1	0.2	0.2	0.5	0.9	0.3
13	0.2	0.2	0.1	2.8	0.2	0.2	0.2	0.3	0.3	2.0	3.6	0.2
14	0.2	6.0	0.2	b 1.0	0.2	0.2	0.2	0.3	0.3	3.2	3.0	0.4
15	0.2	1.3	0.2	0.2	0.1	0.2	0.2	0.2	0.2	3.2	1.0	0.5
16	0.2	15.1	b 0.2	0.2	0.1	0.1	0.4	0.2	0.2	3.2	1.1	0.4
17	0.2	0.3	6.8	0.1	0.1	0.2	0.2	0.1	0.3	4.3	1.1	0.5
18	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.3	4.3	1.1	0.4
19	0.2	0.2	0.3	0.1	+	0.1	4.1	0.1	0.2	4.3	1.5	0.2
20	0.2	0.2	1.0	0.2	0.1	1.0	2.4	0.1	0.2	4.3	1.6	0.2
21	0.2	0.2	0.2	0.2	0.1	0.2	2.0	0.1	0.2	4.3	1.5	0.2
22	0.2	2.4	0.1	0.1	b +	0.4	1.7	0.2	0.3	1.5	0.5	0.2
23	0.2	2.5	0.1	0.2	0.1	0.4	1.2	0.2	0.3	1.0	0.5	0.2
24	0.2	0.2	+	0.2	b 0.1	0.2	1.3	0.2	0.2	0.8	0.9	0.2
25	0.2	0.2	b +	0.1	0.1	0.3	1.3	0.2	0.2	0.8	2.0	0.2
26	0.2	0.1	0	0.1	0.1	0.3	1.3	0.2	0.3	0.4	1.8	0.1
27	0.2	0.1	8.2	0.1	0.1	0.3	1.2	0.2	0.3	0.4	1.1	0.1
28	0.2	0.1	4.6	0.1	b 0.1	0.3	1.3	0.2	0.3	0.4	1.1	0.2
29	0.2	2.3	0.2	0.1	0.1	0.3	0.2	0.2	0.3	0.4	0.7	0.2
30	0.2	4.6	4.4	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.4	0.2
31	0.2	0.2	2.8	0.1	0.2	0.2	0.2	0.2	0.3	1.0	0.3	0.2
	7.5		297.9		86.8		158.9		6.1	7.1	37.3	7.7
		26.4		86.8		33.7		6.1		37.3		7.7
MEAN	0.24	8.80	9.61	2.80	0.43	1.09	5.30	0.20	0.24	1.20	1.50	0.26
ACRE- FEET	15.	524.	591.	172.	24.	67.	315.	12.	14.	74.	92.	15.

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

YEAR OR PERIOD MEAN ACRE-
FEET 2.64
1920.



STATION F37B-R
COMPTON CREEK near Greenleaf Drive

LOCATION: WATER-STAGE RECORDER, LAT. 33°52'54", LONG. 118°13'27", ON THE LEFT (EAST) BANK OF THE CONCRETE CHANNEL, 120 FEET SOUTH OF THE CENTER LINE OF GREENLEAF DRIVE EXTENDED AND ABOUT ONE AND ONE-HALF MILES SOUTH-WEST OF COMPTON. ELEVATION OF ZERO GAGE HEIGHT 50.14 FEET.

DRAINAGE AREA: 23.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR, CONCRETE, 13.0 FEET DEEP AND 60 FEET WIDE, INVERT IS 1.05 FEET BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 22, 1928 AT STATION F37-R AT ROSECRANS AVENUE. REMOVED JUNE 9, 1938 DUE TO NEW CHANNEL CONSTRUCTION BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY. INSTALLED OCTOBER 3, 1938 OVER A 4.0 FT. X 3.2 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 3220 SECOND-FOOT JANUARY 18.
MINIMUM 0.1 SECOND-FOOT DECEMBER 10.
1952-53
MAXIMUM 2380 SECOND-FOOT NOVEMBER 15.
MINIMUM 0.1 SECOND-FOOT SEPTEMBER 10.
1928-53 (STATIONS F37-4 AND F37B-R)
MAXIMUM DISCHARGE NOT DETERMINED. OVERFLOWED BANKS MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 3220 SECOND-FOOT JANUARY 18, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF COMPTON CREEK
near Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE VELOCITY FEET	DISCHARGE REG. FT.	RAT-ING	METH-OD	S. H. CHANGE TOTAL	METER NO.
498	10-4	1019 1022	BONADIMAN	7.0	1.35	0.49	0.42	0.66	.6	4	0	FC19
499	10-18	1024 1030	"	8.0	1.34	0.73	0.44	0.98	.5	5	0	"
500	10-25	0330 0342	BONADIMAN-HOLLERON	45.0	65.7	3.37	1.50	222.	.6	9	-.02	"
501	11-8	1050 1050	BONADIMAN	12.0	2.40	0.75	0.42	1.8	.5	4	0	"
502	11-15	1028 1032	"	10.0	2.10	0.57	0.47	1.2	.5	4	0	"
503	11-19	2300 2314	HOLLERON-BONADIMAN	50.0	84.8	3.74	1.90	317.	.6	7	-.20	"
504	11-29	1046 1050	BONADIMAN	5.0	1.05	0.69	0.41	0.72	.5	4	0	"
505	12-5	0332 0350	HOLLERON-BONADIMAN	55.0	106.	3.87	1.83	410.	.6	8	-.02	"
506	12-12	0120 0130	BONADIMAN-HOLLERON	55.0	80.9	3.34	1.73	270.	.6	9	-.04	"
507	12-13	1032 1040	BONADIMAN	5.0	1.17	0.62	0.40	0.72	.5	5	0	"
508	12-19	1138 1148	"	49.7	32.0	1.03	0.76	33.1	.6	8	0	"
509	12-20	0130 0134	"	28.0	7.26	0.14	0.38	1.0	.6	7	0	"
510	12-29	1010 1024	"	60.0	247.	7.03	4.21	1750.	.6	8	+.08	"
511	1-10	1034 1046	"	29.0	6.65	0.11	0.39	0.75	SURF.	8	0	"
512	1-15	1638 1642	BONADIMAN-HOLLERON	60.0	210.	6.66	3.50	1400.	FLOATS	8	0	"
513	2-7	1026 1019	BONADIMAN	12.0	0.96	1.02	0.38	0.98	FLOATS	4	0	"
514	2-28	1030 1034	"	4.0	0.90	1.78	0.40	1.6	.5	4	0	FC19
515	3-7	0242 0256	BONADIMAN-HYDE	60.0	151.	5.99	2.65	904.	.6	8	-.04	"
516	3-20	1034 1040	BONADIMAN	4.0	0.92	1.07	0.40	0.98	.5	4	0	"
517	4-10	1032 1048	"	55.0	68.0	2.41	1.39	164.	.6	8	-.02	"
518	4-24	1038 1038	"	TWO CHANNELS			0.40	0.95	.6	6	0	"
519	5-1	1300 1315	LANG	8.5	1.42	0.32	0.41	1.3	.5	10	0	FC12
520	5-15	1032 1040	BONADIMAN	8.0	1.80	0.72	0.42	1.3	.5	12	0	FC19
521	5-29	0950 0956	"	8.0	1.95	0.98	0.43	1.9	.5	5	0	"
522	6-12	1006 1014	"	7.0	1.80	0.49	0.44	0.89	.5	6	0	"
523	6-26	1004 1014	"	6.0	1.50	0.80	0.44	1.2	.5	5	0	"
524	7-10	1012 1018	"	6.0	1.35	0.89	0.44	1.2	.6	5	0	"
525	7-17	0950 0956	"	6.0	1.35	0.96	0.43	1.3	.5	4	0	"
526	8-21	1012 1018	"	5.0	1.23	1.06	0.47	1.3	.5	5	0	"
527	9-4	1215 1225	KASIMOFF	11.0	2.65	0.87	0.49	2.3	.5	12	0	FC47
528	9-25	0952 1000	BONADIMAN	15.0	5.59	0.75	0.53	4.2	.6	5	0	FC19

DISCHARGE MEASUREMENTS OF COMPTON CREEK
Greenleaf Drive DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE VELOCITY FEET	DISCHARGE REG. FT.	RAT-ING	METH-OD	S. H. CHANGE TOTAL	METER NO.
529	10-15	0950 0958	BONADIMAN	4.0	0.90	0.71	0.42	0.64	.5	4	0	FC19
530	11-6	1030 1035	"	12.0	1.06	0.57	0.43	0.61	FLOATS	5	0	"
531	11-15	1135 1014	BONADIMAN-DE MARS	60.0	168.	6.55	3.24	1100.	.6	8	-.35	FC19
532	12-11	1004 1014	BONADIMAN	17.0	6.70	0.31	0.44	2.1	.6	6	0	"
533	1-8	1002 1014	GODFREY-BONADIMAN	55.0	39.0	1.75	0.91	68.4	.6	8	0	"
534	1-22	1020 1024	BONADIMAN	4.0	0.60	1.99	0.40	1.2	.5	3	0	"
535	2-11	1000 1004	"	3.0	0.75	1.07	0.42	0.78	.5	3	0	"
536	2-23	1315 1321	BONADIMAN-DE MARS	50.0	37.4	1.59	0.90	59.6	.6	8	-.01	"
537	3-5	1005 1010	BONADIMAN	9.0	1.95	0.35	0.42	0.68	.5	4	0	"
538	3-20	1232 1250	BONADIMAN-DE MARS	44.0	14.2	0.24	0.50	3.4	FLOATS	5	0	"
539	4-2	1026 1030	BONADIMAN	10.0	2.10	0.38	0.42	0.8	.5	4	0	FC19
540	4-9	0940 0946	"	5.0	1.05	0.30	0.40	0.31	.5	4	0	"
541	4-16	0934 0942	"	11.0	2.10	0.57	0.43	1.2	.5	4	0	"
542	4-23	1040 1050	"	CHANNELS			0.45	4.9	.5	8	0	"
543	4-30	1014 1020	"	9.00	3.08	0.55	0.44	1.7	.5	5	0	"
544	5-7	0950 0956	"	11.0	2.55	1.04	0.45	2.6	.5	5	0	"
545	5-21	1317 1320	"	4.0	0.80	0.82	0.42	0.66	.5	3	0	"
546	6-11	1002 1008	"	11.0	3.00	0.30	0.43	0.88	.6	5	0	"
547	6-18	1004 1010	"	13.0	3.80	0.47	0.44	1.8	.6	5	0	"
548	6-25	1008 1012	"	17.0	5.00	0.40	0.43	2.0	.6	5	0	"
549	7-2	0950 0956	"	16.0	5.20	0.34	0.44	1.8	.6	5	0	"
550	7-9	1002 1010	"	17.0	6.06	0.38	0.48	2.3	.6	5	0	"
551	7-16	1122 1130	"	16.0	8.66	0.57	0.53	5.0	.6	6	0	"
552	7-23	1100 1110	HASKELL-BONADIMAN	12.0	7.62	0.38	0.52	2.9	.6	7	0	"
553	7-30	1018 1028	BONADIMAN	12.0	5.52	0.18	0.45	1.0	.6	6	0	"
554	8-6	1030 1040	"	45.0	11.4	0.44	0.53	5.0	.6	6	0	"
555	8-13	1014 1020	"	45.0	15.5	0.24	0.51	3.8	.5	5	0	"
556	8-20	1014 1022	"	15.0	6.20	0.40	0.50	2.5	.6	6	0	"
557	8-27	0940 0945	"	CHANNELS			0.45	1.6	.5	7	0	"
558	9-3	1102 1022	WADDICOR	4.5	1.13	0.48	0.45	0.54	.6	6	0	"
559	9-10	0950 0956	"	5.0	1.00	0.54	0.54	0.54	.6	6	0	FC37
560	9-17	0940 0945	"	5.0	1.10	0.90	0.45	0.99	.5	6	0	"
561	9-24	0945 0950	"	5.0	1.08	0.61	0.50	0.66	.5	6	0	"

STATION F. C. DIST. 82 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0		2.2	0.8	1.9	2.2	1.9	1.6	1.2	1.6	2.5	0.8
2	1.1	1.0	2.4		1.6	1.1	1.6	1.9	1.2	1.2	2.3	1.9
3	0.8	1.0	0.7	1.0	1.1	1.1	1.9	1.2	1.2	1.2	2.3	1.9
4	1.1	1.2	14.0	1.0	1.1	2.3	1.9	1.0	1.2	1.2	1.1	1.9
5	1.0	1.2	6.4	0.8	1.2	1.9	2.3	0.8	1.1	1.2	1.9	1.9
6	1.1	1.6	1.0	0.7	1.0	7.0	1.6	1.1	1.1	0.8	3.0	3.7
7	1.0	1.6	1.1	3.8	1.2	5.4	3.9	1.1	1.1	1.0	2.6	2.6
8	1.0	1.6	0.6	5.7	1.9	3.4	6.2	1.2	0.8	1.0	2.6	1.6
9	1.0	3.0	0.5	0.8	1.9	1.2	0.5	1.2	0.8	1.0	2.6	1.9
10	1.0	1.6	0.1	1.0	1.6	2.2	7.5	0.8	1.2	1.2	1.6	1.9
11	1.0	1.6	3.4	1.6	1.1	3.0	1.1	0.8	1.2	1.2	1.1	1.6
12	1.1	1.6	5.3	1.9	1.1	1.6	0.7	1.2	0.8	1.1	1.6	1.6
13	0.8	1.6	1.0	6.3	1.1	1.1	3.0	1.0	1.0	0.8	1.2	1.6
14	1.1	1.2	1.2	1.1	1.1	2.5	1.2	1.0	0.8	0.8	1.6	1.1
15	0.7	1.2	2.6	1.6	1.2	3.1	0.8	1.6	0.8	1.2	1.9	1.6
16	0.8	1.2	0.7	3.8	1.2	8.4	1.0	1.6	1.1	1.6	1.9	1.9
17	0.8	1.2	0.7	4.5	1.1	1.2	1.1	1.6	1.2	1.2	1.1	1.9
18	1.1	1.2	0.8	6.1	1.0	0.5	1.1	1.6	1.1	1.6	1.1	1.9
19	1.6	5.1	2.4	2.6	1.1	4.2	8.2	1.2	1.1	1.6	1.9	4.4
20	1.9	5.4	1.4	1.9	1.1	1.0	1.2	1.2	1.1	1.6	1.9	4.4
21	0.7	3.9	1.1	1.9	1.2	1.2	1.2	1.6	1.1	1.1	1.9	1.9
22	0.6	0.7	1.1	1.2	1.2	1.2	1.2	1.6	1.1	1.1	1.6	1.9
23	0.8	0.7	0.8	1.2	1.2	0.8	1.2	1.6	1.1	2.3	1.6	0.8
24	1.0	0.5	0.8	1.9	1.9	0.7	1.1	1.9	1.2	2.3	1.6	0.8
25	3.8	0.5	0.8	1.9	1.1	1.0	4.4	2.3	1.2	2.3	2.3	4.1
26	2.3	0.2	1.0	1.9	2.3	1.0	1.9	1.6	1.6	2.3	1.9	4.1
27	1.9	0.5	1.2	1.1	2.3	1.1	1.1	3.0	1.2	1.9	2.3	3.0
28	1.9	0.5	1.2	0.8	1.6	1.6	1.6	3.0	1.6	2.3	1.6	3.0
29	1.2	0.6	1.2	1.2	1.9	1.6	2.3	2.3	1.1	4.1	2.6	1.2
30	1.6	0.6	1.6	1.2	1.6	1.6	1.6	1.2	1.2	3.7	3.7	2.6
31	3.4	0.8	1.1	1.6	1.2	1.2	1.2	1.2	1.2	3.7	1.6	2.6
TOTAL	74.4		1002.0		123.2		207.6		33.4		59.1	
MEAN	2.40	4.65	32.3	75.9	4.25	38.7	6.92	1.52	1.11	1.74	1.91	2.46
ACRE- FEET	142.	277.	1920.	1670.	244.	2380.	412.	93.	65.	107.	117.	146.

Remarks: YEAR OR PERIOD MEAN OR PERIOD ACRE-FEET 14.7 12650.

STATION F. C. DIST. 82 8-50

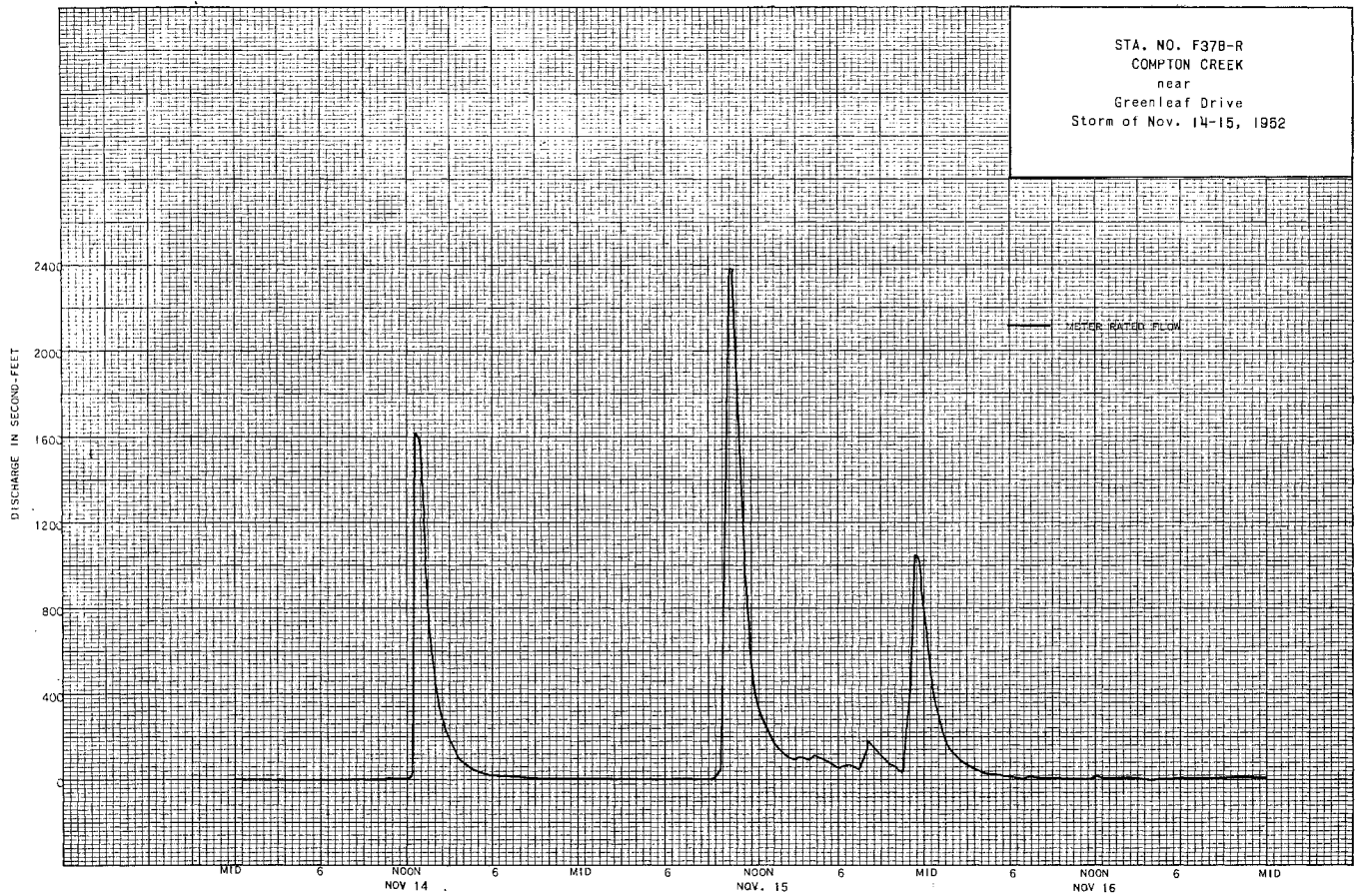
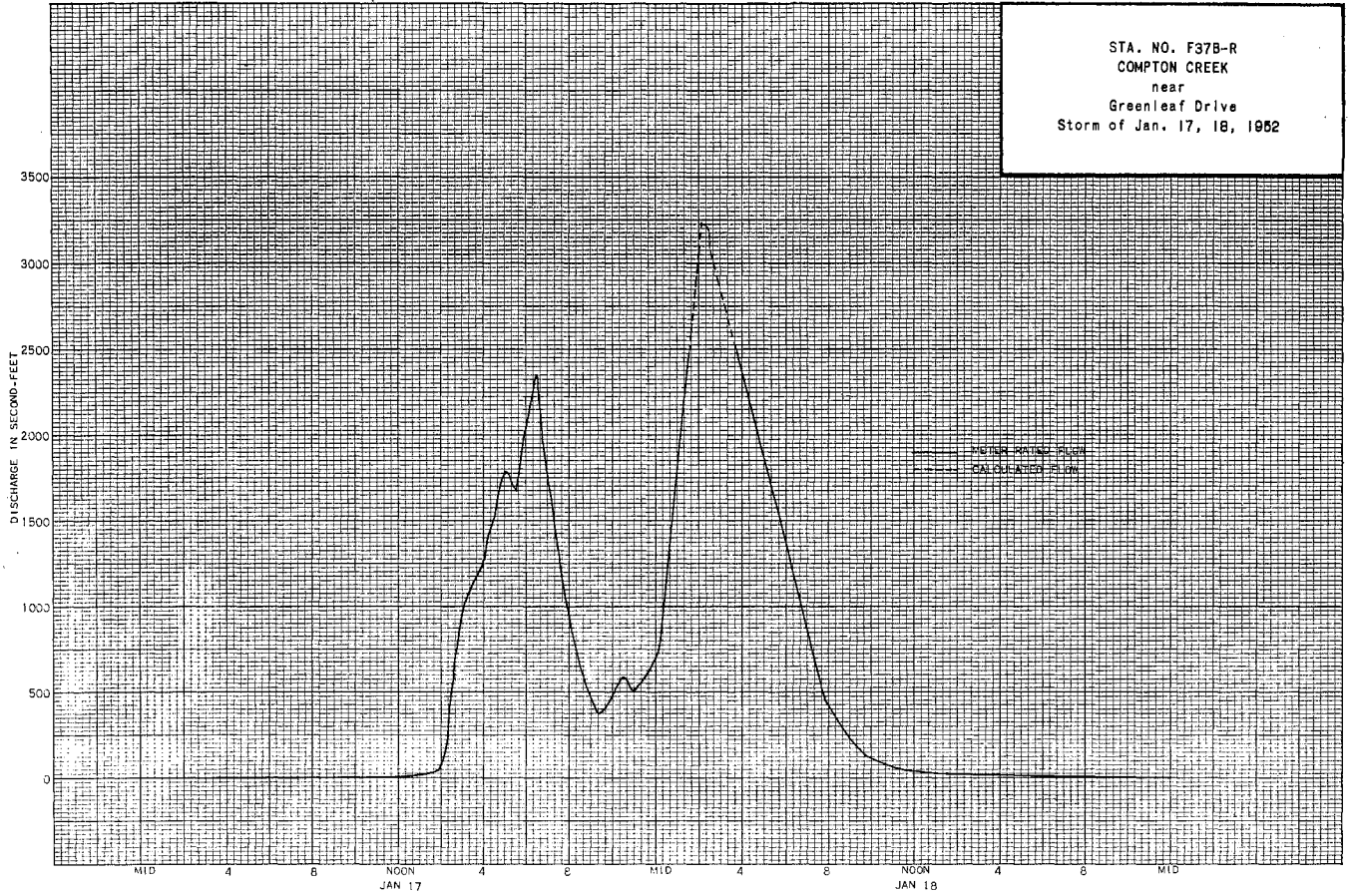
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

Daily discharge, in second-feet of COMPTON CREEK near Greenleaf Drive for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	0.5	11.5	0.4	1.0	17.6	0.8	0.8	0.6	1.9	2.6	1.1
2	3.7	0.4	2.3	0.2	1.0	3.7	0.8	0.8	0.8	2.3	0.8	0.8
3	3.0	0.2	1.0	0.5	0.8	0.7	0.8	1.1	1.0	2.3	1.2	1.0
4	2.3	1.9	1.0	0.2	1.0	0.7	0.7	1.2	0.8	1.9	3.4	0.8
5	1.6	0.8	1.1	0.2	1.0	0.6	0.6	1.2	0.2	2.6	4.1	0.5
6	1.0	0.8	6.9	5.1	1.2	0.8	0.8	2.6	0.5	1.6	4.8	0.4
7	1.1	0.8	0.8	3.7	3.0	0.6	0.6	2.6	0.6	1.6	6.4	0.2
8	0.5	4.0	1.6	3.3	0.8	0.5	0.6	2.6	0.7	1.2	6.4	0.5
9	0.7	0.8	1.6	4.8	0.8	0.5	0.7	1.6	0.6	1.2	2.3	1.2
10	1.0	0.7	2.6	4.8	1.1	0.6	0.4	1.1	0.7	1.6	1.9	0.1
11	0.7	0.7	3.0	4.4	1.1	0.5	0.6	1.0	0.7	1.2	1.9	1.0
12	0.6	0.7	3.0	3.7	1.1	0.5	0.6	1.2	0.8	2.6	1.9	1.0
13	0.7	0.8	3.0	5.7	1.1	0.5	0.8	1.6	1.0	3.4	4.1	0.7
14	0.7	9.6	3.0	3.7	1.1	0.4	1.0	1.6	1.2	4.8	3.7	0.7
15	0.7	2.20	2.3	1.6	1.0	0.4	1.6	1.1	1.9	5.6	2.6	1.2
16	0.8	4.1	1.6	1.6	1.0	0.4	1.2	1.1	1.2	6.4	1.6	1.1
17	1.2	1.0	13.1	1.2	1.0	0.5	1.9	1.0	1.2	7.1	2.3	1.0
18	1.2	0.8	2.3	1.2	0.7	0.5	1.2	0.7	2.3	6.4	2.3	1.1
19	0.7	0.6	1.6	1.2	1.0	1.0	1.1	1.1	2.3	7.9	2.6	0.8
20	1.6	0.7	1.9	1.6	1.0	3.7	3.9	0.7	2.6	8.7	3.0	0.6
21	0.8	0.8	1.1	1.6	1.0	1.1	8.9	0.7	3.4	3.0	3.0	0.5
22	0.8	4.1	0.6	1.6	0.8	1.0	4.1	0.6	2.6	3.0	1.2	0.7
23	0.8	1.6	0.5	1.9	3.1	0.8	4.4	0.6	1.2	3.0	1.0	0.8
24	0.7	0.6	0.5	1.2	0.8	1.0	4.8	0.5	1.6	3.0	1.1	0.6
25	0.7	0.5	0.5	1.2	0.8	1.0	4.8	0.5	1.6	3.4	3.4	0.8
26	0.6	0.6	0.2	1.1	0.7	1.0	4.8	0.5	1.9	3.0	3.0	0.6
27	0.5	0.6	14.7	1.2	0.7	1.0	20.8	0.4	2.3	2.3	2.6	0.4
28	0.6	0.4	8.9	1.2	0.7	1.0	3.0	0.4	3.4	0.4	2.6	0.5
29	0.6	2.3	0.8	1.2	0.7	0.7	1.2	0.2	2.3	0.8	1.6	0.8
30	0.6	2.6	6.8	1.2	0.8	0.8	1.1	0.6	1.2	1.9	0.8	1.1
31	0.6		9.7	1.2	0.7	0.7	0.4	0.4	4.1	1.9	0.6	
TOTAL	53.7		572.1		58.3		500.7		43.2		80.8	
MEAN	1.09	16.1	18.5	7.2	2.08	2.52	10.0	1.04	1.44	3.23	2.61	0.75
ACRE- FEET	67.	957.	1135.	445.	116.	155.	596.	64.	86.	199.	160.	45.

Remarks: YEAR OR PERIOD MEAN OR PERIOD ACRE-FEET 5.56 4020.



STATION F41C-R
COYOTE CREEK at Del Amo Street

LOCATION: WATER-STAGE RECORDER, LAT 33°50'47" LONG, 118°06'30" ON THE RIGHT (WEST) ABUTMENT AND DOWNSTREAM SIDE OF THE DEL AMO STREET (FORMERLY ANAHEIM STREET) HIGHWAY BRIDGE, 30 FEET ABOVE THE UPSTREAM SIDE OF PACIFIC ELECTRIC RAILROAD TRESTLE, AND 1.8 MILES SOUTHEAST OF ARTESIA. ELEVATION OF ZERO GAGE HEIGHT, 28.36 FEET.

DRAINAGE AREA: 110 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 14, 1930 AT STATION F41-R. MOVED TO STATION F41B-R ON OCTOBER 30, 1936. REMOVED ON FEBRUARY 17, 1937. INSTALLED FEBRUARY 18, 1937 AT STATION F41C-R OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE:

AT STATION F41-R - STREAM MEASUREMENTS TAKEN FROM DECEMBER 1, 1928 TO JANUARY 14, 1930. RECORDER RECORDS FROM JANUARY 14, 1930 TO OCTOBER 30, 1936.

AT STATION F41B-R - OCTOBER 30, 1936 TO FEBRUARY 17, 1937.
AT STATION F41C-R - FEBRUARY 18, 1937 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 7360 SECOND-Feet JANUARY 18.
MINIMUM NO FLOW PART OF YEAR.

1952-53
MAXIMUM 518 SECOND-Feet DECEMBER 2.
MINIMUM NO FLOW PART OF YEAR.

1920-53 (STATIONS F41-R, F41B-R, AND F41C-R)
MAXIMUM 7330 SECOND-Feet JANUARY 18, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF COYOTE CREEK

AT Del Amo Street

DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. OD	MEAN SEC. NO.	HT. CHANGE TOTAL	METER NO.
576	2-28	1444 1448	"	1.5	0.71	0.66	2.57	0.47	.6	3	0	"	
577	3-6	1404 1408	"	1.5	0.71	0.46	2.89	0.33	.6	3	0	"	
578	3-7	1146 1156	BONADIMAN-HYDE	70.0	544	3.22	10.40	1750		FLOATS	10	+ .08	
579	3-8	1806 1814	"	63.0	132	0.91	4.90	120			.6	8 0 FC19	
580	3-13	1550 1558	BONADIMAN	14.0	5.20	0.54	2.75	2.8	.6	5	0	"	
581	3-15	2106 2113	BONADIMAN-HYDE	67.0	377	4.22	8.48	1590			.6	6 0	
582	3-16	1540 1552	"	67.0	317	2.54	6.90	806			.6	9 -.03	
583	3-17	1302 1313	BONADIMAN	62.0	135	1.20	4.55	162			.6	10 -.02	
584	3-19	1316	"	38.0	32.9	0.75	3.12	24.6			.6	7 0	
585	3-27	1052 1056	"	8.0	4.52	0.53	2.65	2.4	.6	6	0	"	
586	4-3	1500 1508	"	8.0	3.12	0.42	2.60	1.3	.6	6	0	"	
587	4-10	1346 1354	"	7.5	3.34	0.81	2.62	2.7	.6	6	0	"	
588	4-17	1522 1536	"	6.0	1.80	0.43	2.43	0.78	.6	4	0	"	
589	4-24	1554 1600	"	3.0	0.60	0.97	2.32	0.58	.6	4	0	"	
590	5-1	0835 0843	LANG	3.3	0.62	0.74	2.33	0.46	.5	7	0	FC12	
591	5-8	0845 0855	"	5.1	1.29	1.08		1.4	.5	8		"	
592	5-15	1336	BONADIMAN	1.0	0.15	0.60	1.95	0.09	.5	3	0	FC19	
593	5-22	1519	"	1.0	0.10	1.50	2.00	0.15	.5	3	0	"	
594	6-26	1500 1502	"	0.9	0.12	0.92	2.08	0.11	.5	3	0	"	
595	7-17	1534 1535	"	0.40	0.06	0.17	1.99	0.01	.5	3	0	"	
554	12-2	1350 1356	BONADIMAN	4.0	0.83	0.53	3.92	0.44	.6	4	0	FC19	
555	12-6	1530 1538	"	10.0	2.76	0.43	3.94	1.2	.6	5	0	"	
556	12-13	1600 1608	"	13.5	4.74	0.61	4.34	2.9	.6	6	0	"	
557	12-20	1550 1554	"	4.0	0.60	0.32	4.06	0.19	.6	3	0	"	
558	12-27	1450 1454	"	1.0	0.15	0.33	4.00	0.05 SURF.			3	0	"
559	12-29	1830 1832	BONADIMAN-GROFF	73.5	369.	3.20	8.73	1180.	.6	9	-.14	"	
560	12-30	0942 1010	BONADIMAN-LANG	68.0	255.	1.77	6.83	452.	.6	10	0	"	
561	12-31	0938 0948	BONADIMAN	60.0	176.	0.66	4.76	116.	.6	8	0	"	
562	1-3	1604 1612	"	1.7	0.66	2.12	2.84	1.4	.6	5	0	"	
563	1-10	1456	"	1.5	0.40	0.75	2.73	0.30	.5	3	0	"	
564	1-13	0420 0450	BONADIMAN-HOLLERON	68.6	288.	1.30	6.52	374.	.6	7	0	"	
565	1-14	1042 1056	HOLLERON-BONADIMAN	13.0	16.1	1.62	3.83	26.1	.6	10	0	"	
566	1-16	0534 0546	BONADIMAN-HOLLERON	78.0	620.	3.53	10.83	2190.		FLOATS	7	-.26	
567	1-17	1313	BONADIMAN	58.6	256.	0.62	4.91	160.	.6	9	0	FC19	
568	1-18	1033 1040	BONADIMAN-WRIGHT	120.	1180.	5.87	13.60	6920.		FLOATS	8	-.07	
569	1-19	1421 1435	"	63.0	392.	1.44	6.19	566.	.6	7	-.02	FC19	
570	1-24	1034 1040	BONADIMAN	2.5	1.50	1.73	3.04	2.8	.6	4	0	"	
571	1-25	1159	BONADIMAN-WRIGHT	60.0	346.	0.76	5.33	263.	.6	6	-.02	"	
572	1-31	1352 1358	HYDE-BONADIMAN	2.0	1.04	2.11	2.82	2.2	.6	4	0	"	
573	2-7	1524 1522	BONADIMAN	2.0	0.88	1.04	2.82	0.92	.6	5	0	"	
574	2-14	1520 1522	GILMARTIN-BONADIMAN	1.5	0.78	0.28	2.64	0.22	.6	3	0	"	
575	2-21	1510	BONADIMAN	1.5	0.78	0.56	2.54	0.44	.6	3	0	"	

DISCHARGE MEASUREMENTS OF COYOTE CREEK
Del Amo Street DURING THE YEAR ENDING SEPTEMBER 30, 1963

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ION	METH- OD	MEAN SEC. NO.	DI- RECT. CORRECTION	METER NO.
596	11-6	1330 1337	BONADIMAN	3.0	1.06	0.74	2.30	0.78	.6	5	0		FC19
597	11-15	1335 1353	BONADIMAN-DE MARS	63.0	146.	0.68	4.22	99.0	.6	8	-.04		"
598	11-16	1085 1107	"	16.0	20.8	1.87	3.40	38.8	.6	8			"
599	11-17	1004 1012	BONADIMAN	10.0	5.16	1.24	2.64	6.4	.6	8	0		"
600	11-20	1000 1004	"	1.5	0.69	1.68		1.2	.5	3	0		"
601	11-22	1340 1350	"	10.0	5.6	1.12	2.47	6.3	.6	7	0		"
602	11-28	1676 1678	"	2.50	1.00	0.40	1.98	0.39	.6	3	0		"
603	12-2	0420 0425	BONADIMAN-DE MARS	70.0	218.	1.16	5.28	253.	.6	8	-.06		"
604	12-3	1012 1027	DE MARS	15.0	9.74	1.32	2.80	12.8	.6	7	-.02		"
605	12-18	1330 1350	BONADIMAN	2.0	0.50	1.28	2.06	0.64	.6	3	0		"
606	12-21	1430 1450	"	14.0	9.03	0.83	2.77	7.5	.5	9	0		"
607	12-26	1530 1534	"	4.0	0.84	1.43	2.42	1.2	.6	3	0		"
608	12-31	1327 1336	BONADIMAN-GODFREY	16.5	15.2	1.84	3.15	27.9	.6	8	0		"
609	1-2	1440 1448	BONADIMAN	5.0	1.95	1.64	2.40	3.2	.6	5	0		"
610	1-7	1456 1504	BONADIMAN-GODFREY	14.0	14.4	3.15	3.44	45.5	.6	8	0		"
611	1-8	1458 1507	"	12.0	7.50	1.65	2.88	12.4	.6	8	0		"
612	1-15	1620 1630	WALKER-BONADIMAN	7.5	3.55	0.62	2.44	2.2	.6	7	0		"
613	1-22	1530 1534	BONADIMAN	3.0	0.97	1.55	2.20	1.5	.6	3	0		"
614	1-29	1518 1519	"	2.0	0.50	1.64	2.04	0.82	.6	3	0		"
615	2-5	1530 1534	"	2.0	0.90	1.00	2.02	0.89	.6	3	0		"
616	2-11	1506 1506	"	2.0	0.55	1.09	2.05	0.58	.5	3	0		"
617	2-19	1040 1043	"	2.0	0.45	1.13	1.97	0.51	.5	3	0		"
618	2-26	1540 1544	"	2.0	0.40	1.15	2.14	0.46	.5	3	0		"
619	3-5	1532 1535	"	4.0	1.50	0.67	2.03	1.0	.5	4	0		"
620	3-19	1534 1540	"	4.0	1.23	0.90	2.20	1.1	.6	4	0		"
621	3-26	1605 1607	WHISLER	4.0	1.00	0.59	2.11	0.59	.6	3	0		"
622	4-9	1536 1550	BONADIMAN	3.0	1.13	0.71	2.24	0.83	.6	3	0		"
623	4-16	1534 1540	"	4.0	1.20	0.62	2.14	0.75	.5	4	0		"
624	4-23	1550 1556	"	4.5	1.34	0.62	2.08	0.83	.6	4	0		"
625	4-28	1250 1300	BONADIMAN-DE MARS	6.0	4.83	1.78	2.72	8.6	.6	6	0		"
626	4-30	1544 1550	BONADIMAN	6.0	2.40	0.58	2.29	1.4	.5	5	0		"
627	5-7	1540 1542	"	3.0	1.20	0.55	2.03	0.66	.6	3	0		"
628	5-14	1520 1522	"	2.0	0.90	0.65	2.00	0.59	.6	3	0		"
629	5-21	1550 1552	"	1.0	0.20	2.00	1.84	0.41	.5	3	0		"
630	5-28	1534 1536	"	1.0	0.15	1.32	1.80	0.20	.5	3	0		"
631	6-4	0926 0956	THOMAS	1.0	0.10	0.90	1.83	0.09	SURF	3	0		"
632	6-11	1532 1534	BONADIMAN	1.0	2.0	1.00	1.82	0.23	.5	3	0		"
633	6-18	1536 1538	"	1.0	0.20	0.60	1.82	0.12	.5	3	0		"
634	6-25	1606 1608	"	1.0	0.20	0.55	1.81	0.11	.6	3	0		"
635	7-2	1604 1606	"	1.0	0.15	0.53	1.78	0.08	.6	3	0		"
636	7-16	1534 1537	BONADIMAN-ROYCE	1.0	0.16	0.38	1.80	0.06	.5	3	0		"
637	7-23	1520 1523	HASKELL-BONADIMAN	1.0	0.40	0.60	1.84	0.24	.6	3	0		"
638	7-30	1536 1540	BONADIMAN	1.0	0.17	0.41	1.77	0.07	.6	3	0		"
639	8-6	1540 1544	"	0.70	0.10	0.93	1.76	0.09	.6	3	0		"
640	8-13	1534 1536	"	0.80	0.13	0.46	1.74	0.06	.5	3	0		"
641	8-20	1526 1528	"	1.00	0.39	0.26	1.81	0.10	.6	3	0		"
642	8-27	1536 1538	"	0.80	0.12	0.58	1.78	0.07	.5	3	0		"
643	9-3	1515 1520	WADDICOR	1.8	0.36	0.42	1.90	0.15	.6	3	0		"
644	9-10	1315 1320	"	1.8	0.27	0.52	1.81	0.14	.6	3	0		FC37
645	9-24	1430 1439	"	1.6	0.24	0.71	1.74	0.17	.5	3	0		"

TDOTM F. C. Dec. 22 2-29

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FHIC-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	0	0	2.2	2.3	1.0	1.4	0.5	0	0	0	0
2	4.9	0	0.3	3.2	2.0	0.9	1.4	0.6	0	0	0	0
3	1.2	0	0.4	5.2	1.8	0.6	1.4	0.7	0	0	0	0
4	0.8	0	0.3	3.6	1.6	0.4	1.5	0.8	0	0	0	0
5	1.2	0	0.2	3.1	1.4	0.7	1.2	1.0	0	0	0	0
6	1.2	0	1.4	2.1	1.1	0.4	1.4	1.1	0	0	0	0
7	0.5	0	4.8	1.7	0.9	916	1.9	1.2	0.5	0	0	0
8	0.7	0	0.3	1.2	1.0	243	3.4	1.4	1.1	0	0	0
9	0	0	0	0.8	0.9	38	1.6	1.4	1.6	0	0	0
10	0	0	0	0.3	0.8	50	1.5	1.4	0.8	0	0	0
11	0	0	0	0.1	0.7	49	2.0	1.5	0	0	0	0
12	0	0	0	0	0.4	13	1.2	2.4	0	0	0	0
13	0	0	4.1	1.7	0.3	3.0	4.3	0.1	0	0	0	0
14	0	0	16	2.7	0.2	2.4	2.8	0.1	0	0	0	0
15	0	0	1.0	1.7	0.3	5.2	2.1	0.1	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	11.0	0.4	10.4	1.9	0.1	0	0	0	0
18	0	0	0	8.8	0.4	16.7	0.9	0.1	0	0	0	0
19	0	0	0	4.2	0.5	6.8	1.1	0.3	0	0	0	0
20	0	0	0.1	6.5	0.6	2.8	1.2	0.2	0	0	0	0
21	0	0	0.2	1.4	0.6	1.6	1.3	0.1	0	0	0	0
22	0	0	0.2	4.4	0.4	1.1	1.2	0	0	0	0	0
23	0	0	0.1	1.7	0.5	7.0	1.1	0	0	0	0	0
24	0	0	0	4.1	0.5	6.6	0.8	0	0	0	0	0
25	0	0	0	2.3	0.6	5.4	0.7	0	0	0	0	0
26	0	0	0	1.7	0.7	4.7	0.7	2.4	0	0	0	0
27	0	0	0	1.8	0.5	3.7	0.8	0.2	0	0	0	0
28	0	0	0	7.9	0.5	2.3	1.2	0	0	0	0	0
29	0	0	0.1	5.4	0.4	1.9	0.6	0	0	0	0	0
30	0	0	2.4	3.4	0.4	1.7	0.5	0	0	0	0	0
31	0	0	1.9	2.5	0.4	1.6	0	0	0	0	0	0
	14.3		785.8		23.1		86.2		8.4		0	

MEAN	0.46	0	25.3	253.	0.80	106.	2.87	0.49	0.28	0.13	0	0
ACRE- FEET	28.	0	1560.	15570.	46.	6500.	171.	30.	17.	0.8	0	0

Remarks: YEAR OR PERIOD MEAN 33.0 ACRE-FEET 23920.

TDOTM F. C. Dec. 22 2-29

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

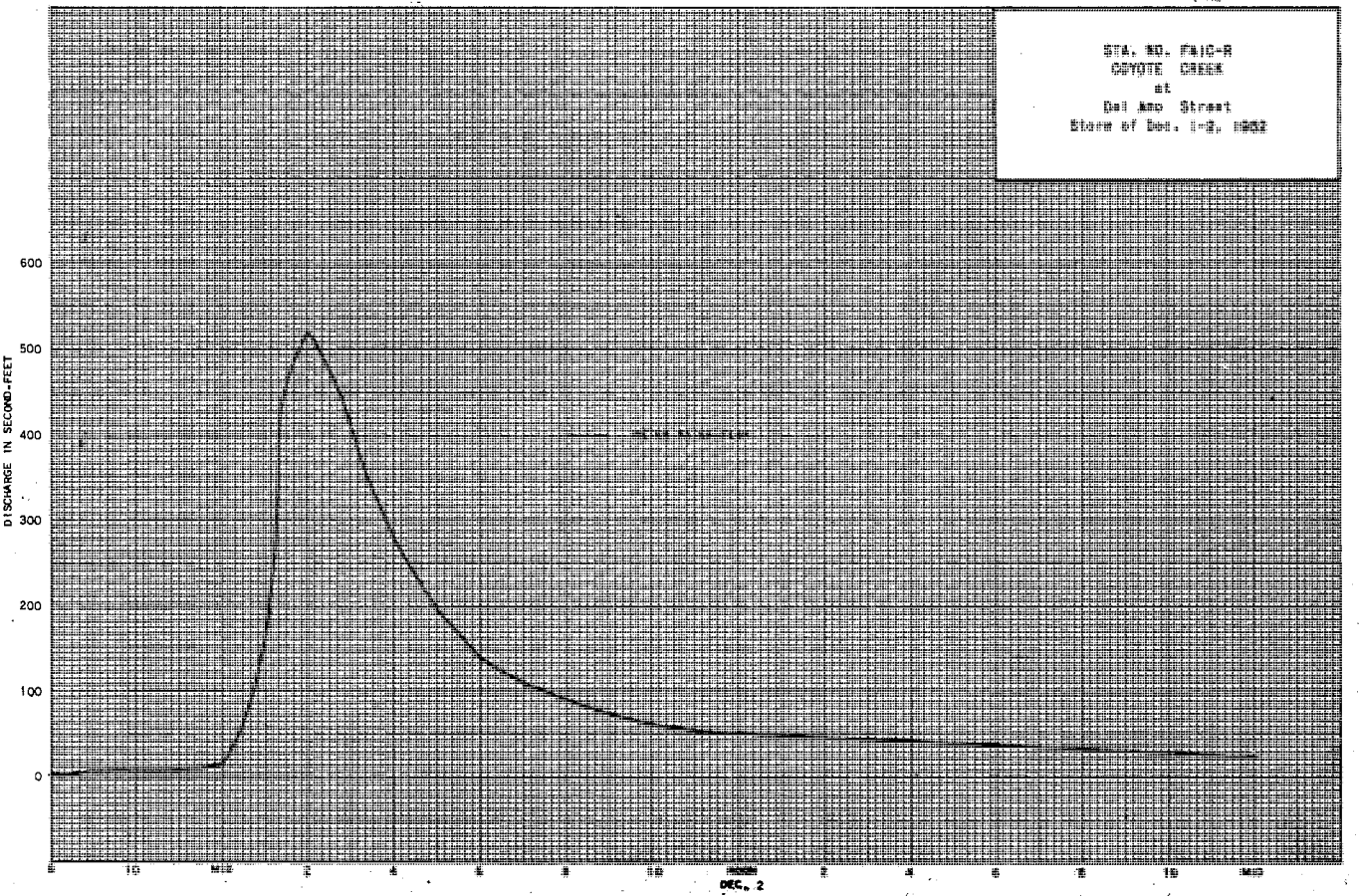
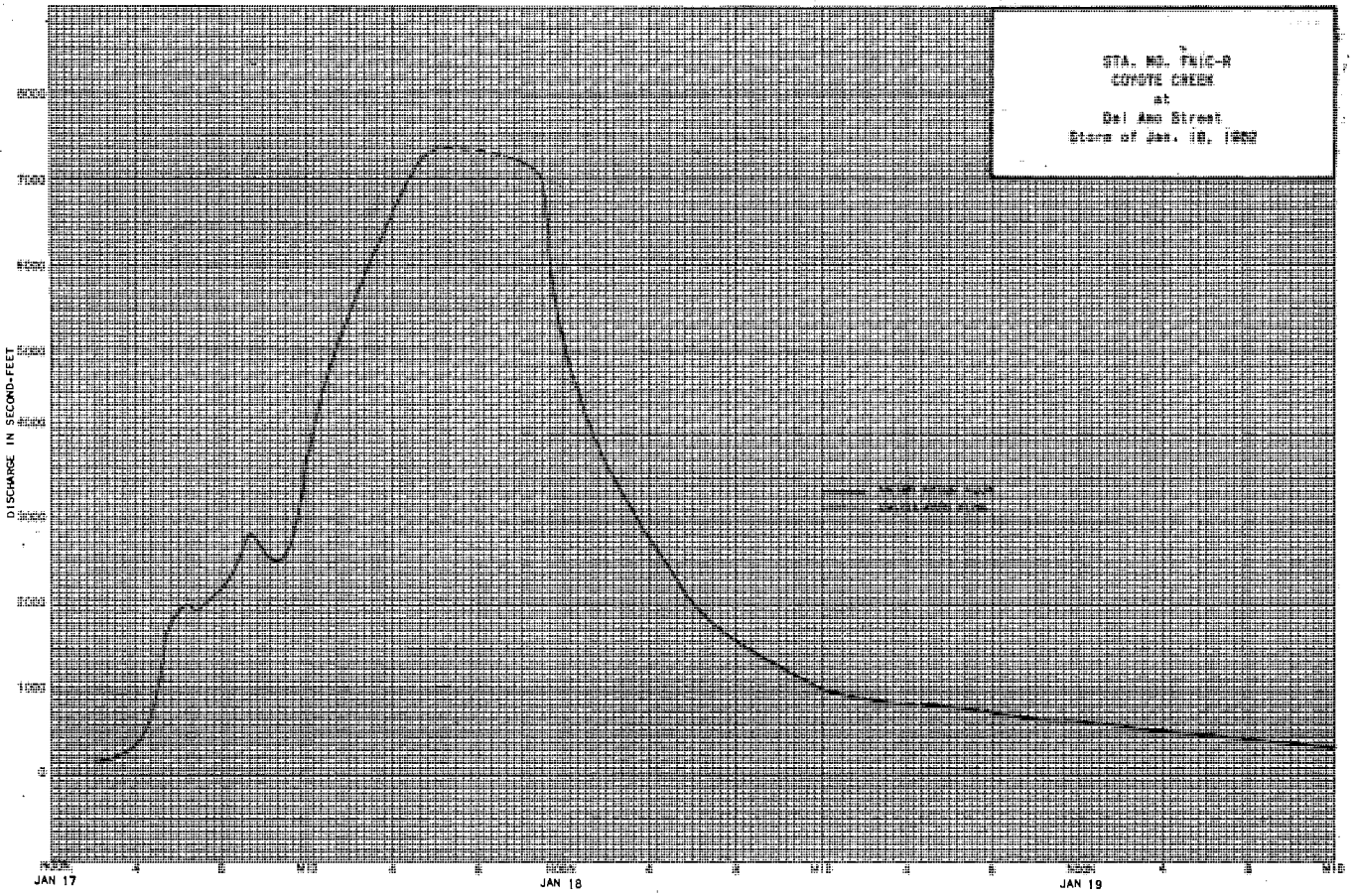
Sta. No. FHIC-R

Daily discharge, in second-feet of COYOTE CREEK at Del Amo Street for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.4	3.1	9.8	0.6	0.5	0.5	1.8	0.6	0.1	0.1	+
2	0	0.8	1.0	3.4	0.6	0.6	0.9	1.8	0.3	0.1	0.1	+
3	0	0.9	1.3	2.2	0.7	0.7	0.8	1.0	0.1	0.1	0.1	b 0.2
4	0	1.0	4.6	1.9	0.8	0.8	0.8	0.7	0.1	0.1	0.1	0.2
5	0	1.1	3.0	2.2	0.8	1.0	0.6	0.6	0.1	0.1	0.1	0.2
6	0	1.0	2.1	2.7	0.8	0.8	0.9	0.7	0.4	0.1	0.1	0.2
7	0	0.5	1.7	3.3	0.8	0.8	1.4	0.7	0.3	0.1	0.1	0.1
8	0	0.2	1.4	1.5	0.8	0.4	0.5	0.7	0.2	0.3	0.1	0.1
9	0	0	1.2	3.8	0.7	0.5	0.6	0.6	0.2	0.3	0.1	0.1
10	0	0	1.1	3.3	0.6	0.6	1.0	0.6	0.2	0.2	0.1	0.1
11	0	0	1.2	2.4	0.6	0.4	1.5	0.6	0.2	0.1	0.1	0.1
12	0	0	1.2	1.4	0.7	0.3	2.2	0.7	0.2	0.1	0.1	0.1
13	0	0	1.2	1.2	0.7	0.4	1.9	0.8	0.3	0.1	0.1	0.1
14	0	0	1.1	3.4	0.8	3.3	2.0	0.7	0.3	0.1	0.1	0.1
15	0	4.2	1.1	2.5	0.7	1.6	2.0	1.0	0.3	0.1	+	0.1
16	0	3.8	1.0	1.4	0.6	0.6	1.2	0.7	0.2	0.1	+	0.1
17	0	7.7	0.8	1.3	0.5	0.3	1.2	0.3	0.3	0.1	+	0.1
18	0	3.4	0.7	1.4	0.5	0.2	0.7	0.4	0.2	0.1	+	0.1
19	0	1.8	0.6	1.4	0.5	0.2	0.4	0.4	0.2	0.1	0.4	0.1
20	0	1.2	1.3	1.4	0.5	2.3	0.4	0.5	0.2	0.1	0.1	0.1
21	0	0.9	1.0	1.5	0.5	0.7	0.9	0.4	0.2	+	0.1	0.1
22	0	0.8	3.8	1.5	0.5	0.4	1.3	0.4	0.1	0.3	0.1	0.2
23	0	3.8	2.3	1.4	0.4	1.2	0.9	0.4	0.1	0.2	0.1	0.2
24	0	3.8	1.5	1.2	2.2	0.7	0.5	0.4	0.1	0.2	0.1	0.2
25	0	2.0	1.9	1.0	1.7	0.6	1.2	0.4	0.1	0.2	0.1	0.2
26	0	1.2	1.2	1.0	0.7	0.6	0.9	0.3	0.1	0.1	0.1	0.2
27	0	0.8	1.2	1.0	0.4	1.7	0.7	0.3	0.1	0.1	0.1	0.1
28	0	0.4	4.0	0.9	0.4	1.4	3.2	0.3	0.1	0.1	0.1	0.1
29	0	0.5	4.3	0.8	0.7	0.7	3.2	0.4	0.1	0.1	0.1	0.1
30	0.1	1.5	2.2	0.7	0.6	0.6	1.7	0.7	0.1	0.1	+	b 0.1
31	0.2	0	2.7	0.6	0.5	0.5	0	0.8	0.1	0.1	+	0
	0.3		222.5		20.1		38.0		6.0		2.7	

MEAN	0.01	4.34	7.18	3.51	0.72	0.84	1.27	0.65	0.20	0.13	0.09	0.12
ACRE- FEET	0.6	258.	441.	216.	40.	52.	75.	40.	12.	7.9	5.4	7.1

Remarks: + = 0.05 c.f.s. or less YEAR OR PERIOD MEAN 1.60 ACRE-FEET 1155.



STATION F283-R
DOMINGUEZ CHANNEL at Rosecrans Street

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

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

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 1, 1942 TO SEPTEMBER 30, 1953.

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

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

STATION F210-R
DOMINGUEZ CHANNEL at Harbor Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 33°51'21", LONG. 118°16'40", ON THE DOWN STREAM SIDE OF HARBOR BOULEVARD. ELEVATION OF ZERO GAGE HEIGHT 0.00 FEET.

CHANNEL AND CONTROL: NATURAL ADOBE CHANNEL.

RECORDS AVAILABLE: WATER-STAGE RECORDER RECORDS AVAILABLE FROM JANUARY 5, 1942 TO SEPTEMBER 30, 1953.

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

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

STATION F285-R
DOMINGUEZ CHANNEL at Carson Boulevard

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

DRAINAGE AREA: 56 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 23, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO MARCH 9, 1953. AN H.C.F. RECORDER WAS IN SERVICE FROM MARCH 9, 1953 TO SEPTEMBER 30, 1953.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 23, 1938 TO SEPTEMBER 30, 1953. FOR PREVIOUS RECORDS, SEE EARLIER REPORTS ON STATION F46-R, NIGGER SLOUGH AT WILMINGTON AVENUE.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 1410 SECOND-FEET JANUARY 18.
MINIMUM 4.6 SECOND-FEET JULY 16.

1952-53
MAXIMUM 197 SECOND-FEET NOVEMBER 16.
MINIMUM 6.3 SECOND-FEET, MAY 13.

1938-53
MAXIMUM 1410 SECOND-FEET, JANUARY 18, 1952.
MINIMUM NO MEASURABLE FLOW, WATER PONDED AT GAGE.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL
AT Carson Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	RAISE HEIGHT FEET	DISCHARGE CUB. FT.	RAT- ION	MEH- OD	MEAN NO.	S. FT. TOTAL	METER NO.
531	10-4	1130 1142	BOWDISHAN	30.0	10.3	0.62	6.28	8.4		.6	10	0	FC19
532	10-11	1092 1056	"	29.0	10.4	0.72	6.24	7.8		.6	11	0	"
533	10-18	1124 1138	"	28.5	9.96	0.69	6.24	6.9		.6	11	0	"
534	11-1	1116 1132	"	32.0	11.3	0.86	6.25	9.7		.6	9	0	"
535	11-8	1136 1146	"	30.0	10.3	0.71	6.27	7.3		.6	10	0	"
536	11-15	1136 1150	"	30.0	11.1	0.89	6.27	9.9		.6	11	0	"
537	11-21	1136 1150	"	29.0	16.2	0.75	6.27	12.1		.6	9	0	"
538	11-29	1152 1206	"	31.0	10.8	0.77	6.27	8.3		.6	12	0	"
539	12-6	1104 1118	"	32.2	39.9	0.72	6.56	26.8		.6	11	0	"
540	12-13	1154 1210	"	39.0	26.8	0.92	6.47	24.6		.6	12	0	"

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT Carson Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. NO.	METH. NO.	MEAN REG. NO.	Q. CHANGES TOTAL	HT. METER NO.
541	12-20	1116 1126	"	25.0	9.73	0.87	6.27	8.5	.6	8	0	"	"
542	12-27	1108 1122	"	30.0	12.4	0.92	6.28	11.5	.6	12	0	"	"
543	12-29	1642 1650	BONADIMAN-GROFF	32.2	68.9	1.17	7.53	80.9	.6	6	0	"	"
544	12-30	1427 1440	BONADIMAN-LANG	33.1	163.	3.07	10.15	501.	.6	9	0	"	"
545	12-31	1306 1320	BONADIMAN	33.1	120.	2.36	9.05	283.	.6	9	-.02	"	"
546	1-3	1134 1134	"	32.2	40.5	0.77	6.62	31.3	.6	8	0	"	"
547	1-10	1132 1144	"	31.0	16.1	1.11	6.32	17.8	.6	10	0	"	"
548	1-13	0828 0836	BONADIMAN-HOLLERON	33.1	69.2	1.42	7.36	98.4	.6	7	+.01	"	"
549	1-14	1350 1350	HOLLERON-BONADIMAN	33.1	82.0	1.70	7.68	140.	.6	8	0	"	"
550	1-16	1115 1130	LANG	33.1	180.	3.91	10.61	703.	.6	7	+.02	FC12	"
551	1-18	1436 1452	BONADIMAN-WRIGHT	33.1	245.	5.22	12.48	1280.	.6	7	+.04	FC19	"
552	1-20	1442 1448	BONADIMAN	33.1	170.	3.52	10.20	598.	.6	8	0	"	"
553	1-24	1442 1452	"	33.1	65.0	0.81	6.84	50.9	.6	8	0	"	"
554	1-31	1144 1158	HYDE-BONADIMAN	29.4	13.6	1.28	6.37	17.5	.6	10	0	"	"
555	2-7	1110 1120	BONADIMAN	19.0	7.65	1.82	6.19	13.9	.6	8	0	"	"
556	2-14	1116 1140	GILWART IN-BONADIMAN	16.0	7.05	2.07	6.14	14.6	.6	6	0	"	"
557	2-21	1106 1116	BONADIMAN	17.0	6.37	1.88	6.14	12.0	.6	6	0	"	"
558	2-28	1134 1134	"	14.5	5.52	1.76	6.14	9.7	.6	6	0	"	"
559	3-1	1046 1048	"	33.1	62.2	1.05	6.91	65.2	.6	8	+.02	"	"
560	3-6	1096 1048	"	18.0	6.79	1.39	6.19	9.4	.6	7	0	"	"
561	3-7	1530 1536	BONADIMAN-HYDE	33.1	119.	1.82	8.67	216.	.6	7	+.02	"	"
562	3-8	1134 1144	"	33.1	136.	2.53	8.98	344.	.6	9	-.04	"	"
563	3-13	1230 1103	BONADIMAN	32.2	47.1	0.68	6.45	31.9	.6	8	0	"	"
564	3-16	1236 1246	"	33.1	169.	3.82	10.20	645.	.6	8	0	"	"
565	3-20	1134 1146	"	33.1	80.3	1.20	7.41	96.3	.6	8	-.02	"	"
566	3-27	1440 1450	"	18.0	8.40	1.68	6.11	14.1	.6	7	0	"	"
567	4-3	1134 1144	"	16.0	5.20	1.58	6.06	8.2	.6	6	0	"	"
568	4-10	1127 1140	"	31.3	48.9	0.66	6.50	32.4	.6	8	0	"	"
569	4-17	1134 1144	"	16.0	5.82	1.61	6.03	9.4	.6	7	0	"	"
570	4-24	1136 1148	"	15.0	4.30	1.44	5.98	6.2	.6	6	0	"	"
571	5-8	1216 1218	LANG	17.0	6.60	1.30	5.90	8.6	.6	17	0	FC12	"
572	5-15	1134 1144	BONADIMAN	16.0	6.60	1.30	5.94	8.6	.6	6	0	FC19	"
573	5-22	1056 1104	"	17.5	6.89	1.26	5.98	8.7	.6	7	0	"	"
574	5-29	1034 1044	"	16.0	6.00	1.67	6.00	10.0	.6	7	0	FC46	"
575	6-5	1104 1114	"	16.0	6.70	1.24	6.00	8.3	.6	7	0	"	"
576	6-12	1102 1102	"	15.0	4.85	1.69	5.96	8.2	.6	6	0	"	"
577	6-19	1110 1120	"	17.0	7.77	1.47	6.00	11.4	.6	7	0	FC19	"
578	6-26	1046 1100	"	16.0	6.06	1.33	6.02	8.1	.6	7	0	"	"
579	7-3	1124 1134	"	16.0	5.98	1.42	6.00	8.5	.6	7	0	"	"
580	7-10	1050 1058	"	14.5	5.78	1.31	5.97	7.6	.6	6	0	"	"
581	7-17	1050 1100	"	16.0	5.78	1.32	6.00	7.6	.6	7	0	"	"
582	7-24	1046 1056	"	15.5	6.94	1.25	6.00	8.7	.6	8	0	"	"
583	7-31	1146 1156	"	16.0	5.42	1.14	5.96	6.2	.6	7	0	"	"
584	8-7	1050 1102	"	16.0	6.14	1.52	5.99	9.3	.6	8	0	"	"
585	8-14	1126 1140	WHISLER-BONADIMAN	16.5	6.81	1.17	6.07	8.0	.6	10	0	"	"
586	8-21	1052 1100	BONADIMAN	15.0	7.55	1.44	6.11	10.9	.6	7	0	"	"
587	8-28	1054 1104	"	16.0	8.04	1.37	6.10	11.0	.6	8	0	"	"
588	9-4	1416 1418	KASIMOFF	16.9	9.40	1.02	6.08	9.6	.6	13	0	FC47	"
589	9-11	1225 1244	"	17.0	9.49	1.20	6.13	11.4	.6	12	+.01	"	"
590	9-18	1130 1140	BONADIMAN	17.0	8.89	1.28	6.13	11.4	.6	8	0	FC19	"
591	9-25	1054 1104	"	15.0	6.22	1.41	6.10	8.8	.6	7	0	"	"

DISCHARGE MEASUREMENTS OF DOMINGUEZ CHANNEL

AT Carson Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. NO.	METH. NO.	MEAN REG. NO.	Q. CHANGES TOTAL	HT. METER NO.
592	10-2	1114 1124	BONADIMAN	16.0	6.96	1.29	6.10	9.0	.6	7	0	FC19	"
593	10-9	1010 1020	"	16.0	6.46	1.17	6.10	7.6	.6	7	0	"	"
594	10-15	1044 1054	"	15.0	7.17	1.56	6.12	11.2	.6	7	0	"	"
595	10-23	1104 1106	"	15.0	6.95	1.28	6.11	8.9	.6	7	0	"	"
596	10-30	1142 1142	"	15.0	7.57	1.43	6.15	10.8	.6	7	0	"	"
597	11-6	1116 1116	"	15.0	6.48	1.44	6.15	9.3	.6	7	0	"	"
598	11-13	1086 1086	"	16.0	7.20	1.50	6.27	10.8	.6	8	0	"	"
599	11-15	1082 1082	BONADIMAN-DE MARS	31.3	52.2	0.75	6.72	39.0	.6	7	0	"	"
600	11-16	1506 1506	DE MARS-BONADIMAN	33.1	108.	1.82	8.38	197.	.6	9	0	"	"
601	11-20	1316 1316	BONADIMAN	17.0	11.0	1.51	6.30	16.6	.6	7	0	"	"
602	11-28	1110 1110	"	15.0	7.17	1.84	6.16	13.2	.6	7	0	"	"
603	12-2	0850 0850	BONADIMAN-DE MARS	33.1	71.7	1.13	7.09	80.8	.6	9	+.02	"	"
604	12-4	1220 1220	BONADIMAN	37.0	60.3	0.65	6.60	39.4	.6	8	0	"	"
605	12-11	1106 1106	"	16.0	9.11	1.24	6.15	11.3	.6	6	0	"	"
606	12-18	1110 1110	"	15.0	7.05	1.09	6.15	7.7	.6	6	0	"	"
607	12-21	1044 1044	"	33.1	76.9	1.28	7.47	96.3	.6	9	-.02	"	"
608	12-26	1122 1122	"	18.0	7.76	1.29	6.16	10.0	.6	7	0	"	"
609	12-31	1016 1020	BONADIMAN-GODFREY	32.2	55.2	0.77	6.72	42.4	.6	8	0	"	"
610	1-2	1044 1044	BONADIMAN	25.0	15.0	1.60	6.40	23.9	.6	8	0	"	"
611	1-8	1100 1044	GODFREY-BONADIMAN	29.0	31.0	1.70	6.82	52.7	.6	8	0	"	"
612	1-14	0946 0946	BONADIMAN	32.2	43.6	0.56	6.32	24.5	.6	9	0	"	"
613	1-15	1106 1106	"	21.0	15.7	1.94	6.51	30.5	.6	8	0	"	"
614	1-22	1106 1106	"	15.0	5.66	1.20	6.04	6.8	.6	6	0	"	"
615	1-29	1046 1056	"	15.0	6.60	1.45	6.07	9.6	.6	8	0	"	"
616	2-5	1114 1114	"	16.0	6.26	1.50	6.12	9.4	.6	7	0	"	"
617	2-11	1112 1124	"	17.0	5.12	1.37	6.14	7.0	.6	9	0	"	"
618	2-19	1500 1510	"	15.0	6.60	1.39	6.15	9.2	.6	7	0	"	"
619	2-26	1022 1030	"	16.0	6.62	1.37	6.21	9.2	.6	7	0	"	"
620	3-5	1104 1104	"	17.0	8.00	1.23	6.05	9.8	.6	9	0	"	"
621	3-12	1255 1315	DE MARS	30.4	32.6	0.34	6.04	11.0	SURF	8	0	FC34	"
622	3-19	1106 1106	BONADIMAN	18.0	8.27	1.10	6.04	9.1	.6	8	0	FC19	"
623	3-26	1110 1204	WHISLER-BONADIMAN	18.0	8.05	1.25	6.06	10.0	.6	11	0	"	"
624	4-2	1116 1116	BONADIMAN	15.0	6.85	1.27	6.05	8.7	.6	8	0	"	"
625	4-9	1044 1044	"	15.0	6.01	1.15	6.03	6.9	.6	7	0	"	"
626	4-16	1034 1044	"	14.5	6.56	1.11	6.03	7.3	.6	7	0	"	"
627	4-21	1245 1300	"	33.1	78.2	0.96	7.10	75.5	.6	10	-.02	"	"
628	4-23	1132 1132	"	23.0	12.3	1.54	6.27	18.9	.6	9	0	"	"
629	4-28	1100 1100	BONADIMAN-DE MARS	33.1	77.8	1.49	7.40	116.	.6	9	+.03	"	"
630	4-30	1116 1116	BONADIMAN	24.0	16.1	1.59	6.46	25.6	.6	8	0	"	"
631	5-7	1036 1046	"	22.0	6.45	1.25	6.03	8.1	.6	8	0	"	"
632	5-14	1044 1044	"	15.0	6.48	1.09	6.02	7.1	.6	7	0	"	"
633	5-21	1110 1120	"	14.0	6.40	1.37	6.02	8.8	.6	6	0	"	"
634	5-28	1080 1080	"	15.0	7.15	1.06	6.02	7.6	.6	6	0	"	"
635	6-4	1410 1428	THOMAS-BONADIMAN	18.5	7.50	1.19	6.01	8.9	.6	11	0	"	"
636	6-11	1050 1100	BONADIMAN	17.0	8.82	1.11	6.00	9.8	.6	9	0	"	"
637	6-18	1102 1112	"	17.0	8.09	1.02	5.98	8.3	.6	9	0	"	"
638	6-25	1044 1044	"	16.0	8.50	1.03	6.01	8.8	.6	7	0	"	"
639	7-2	1036 1046	"	21.0	8.95	1.31	6.10	11.7	.6	7	0	"	"
640	7-9	1054 1054	"	16.0	9.17	1.06	6.07	9.7	.6	7	0	"	"
641	7-16	1154 1210	ROYCE-BONADIMAN										

FD-108 (Rev. 1-25-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F205-R

Daily discharge, in second-feet of **DOMINGUEZ CHANNEL at Carson Boulevard** for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.3	10	9.3	12.8	12	8.5	10	9	8.5	8.5	8.5	9.5
2	8.5	9.5	10	12.5	12	8.5	10	9	8.5	8.5	8.5	9.5
3	8.5	8.5	11.7	10	12	8.5	10	9	8.5	8.5	8.5	9.5
4	8.5	8.5	11.7	10	12	8.5	10	9	8.5	8.5	8.5	9.5
5	7.5	8.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
6	8.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
7	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
8	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
9	8.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
10	8.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
11	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
12	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
13	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
14	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
15	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
16	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
17	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
18	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
19	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
20	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
21	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
22	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
23	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
24	7.5	7.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
25	8.3	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
26	8.3	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
27	7.5	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
28	8.5	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
29	8.5	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
30	9.5	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
31	9.5	9.5	11.8	14	12	8.5	10	9	8.5	8.5	8.5	9.5
250.8												
295.9												
618.2												
2823.0												
299.5												
234.5												
302.4												
MEAN 9.09												
ACRE-FEET 497.												
REMARKS:												
YEAR OR PERIOD MEAN 35.4												
ACRE-FEET 25700.												

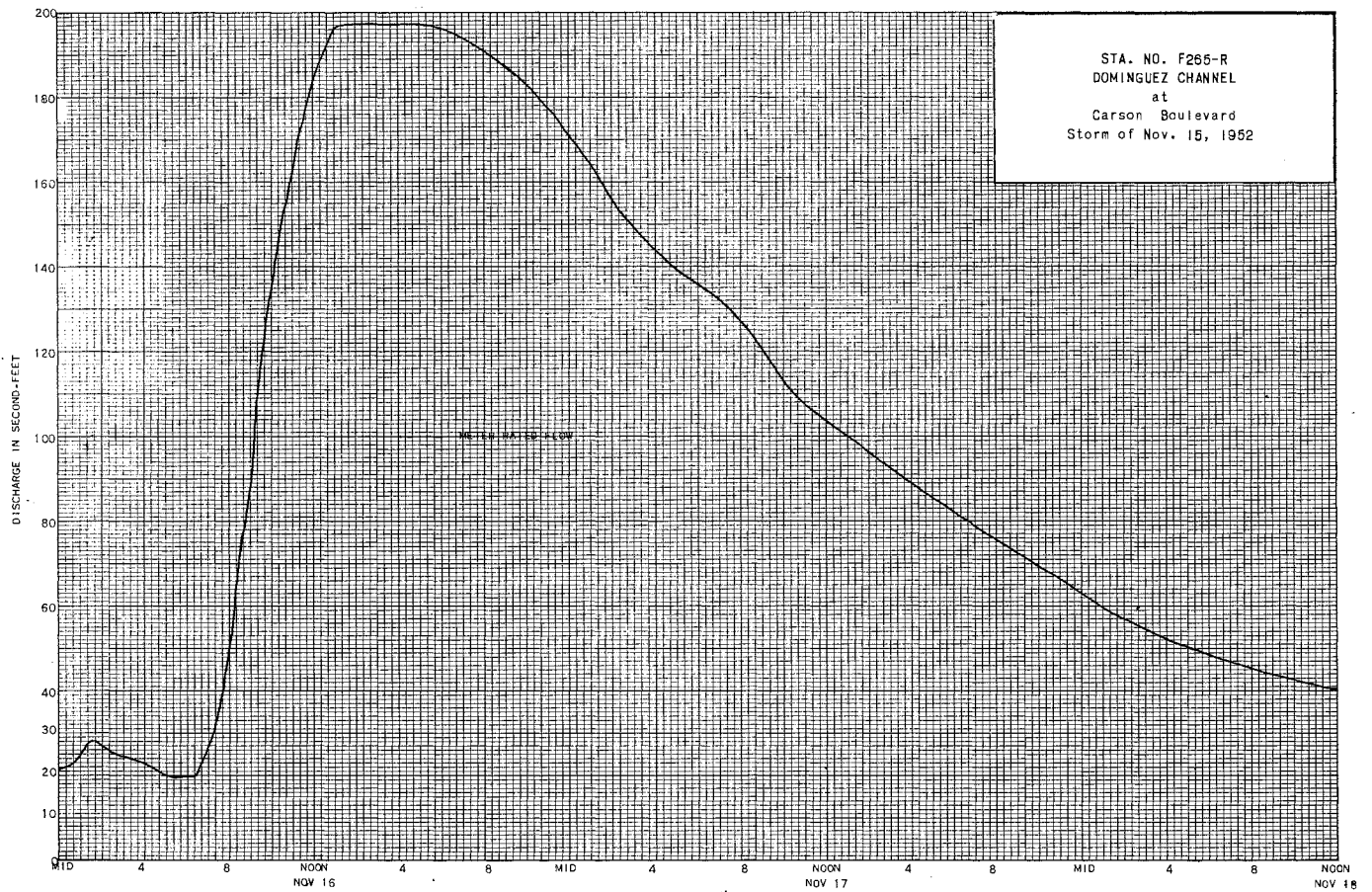
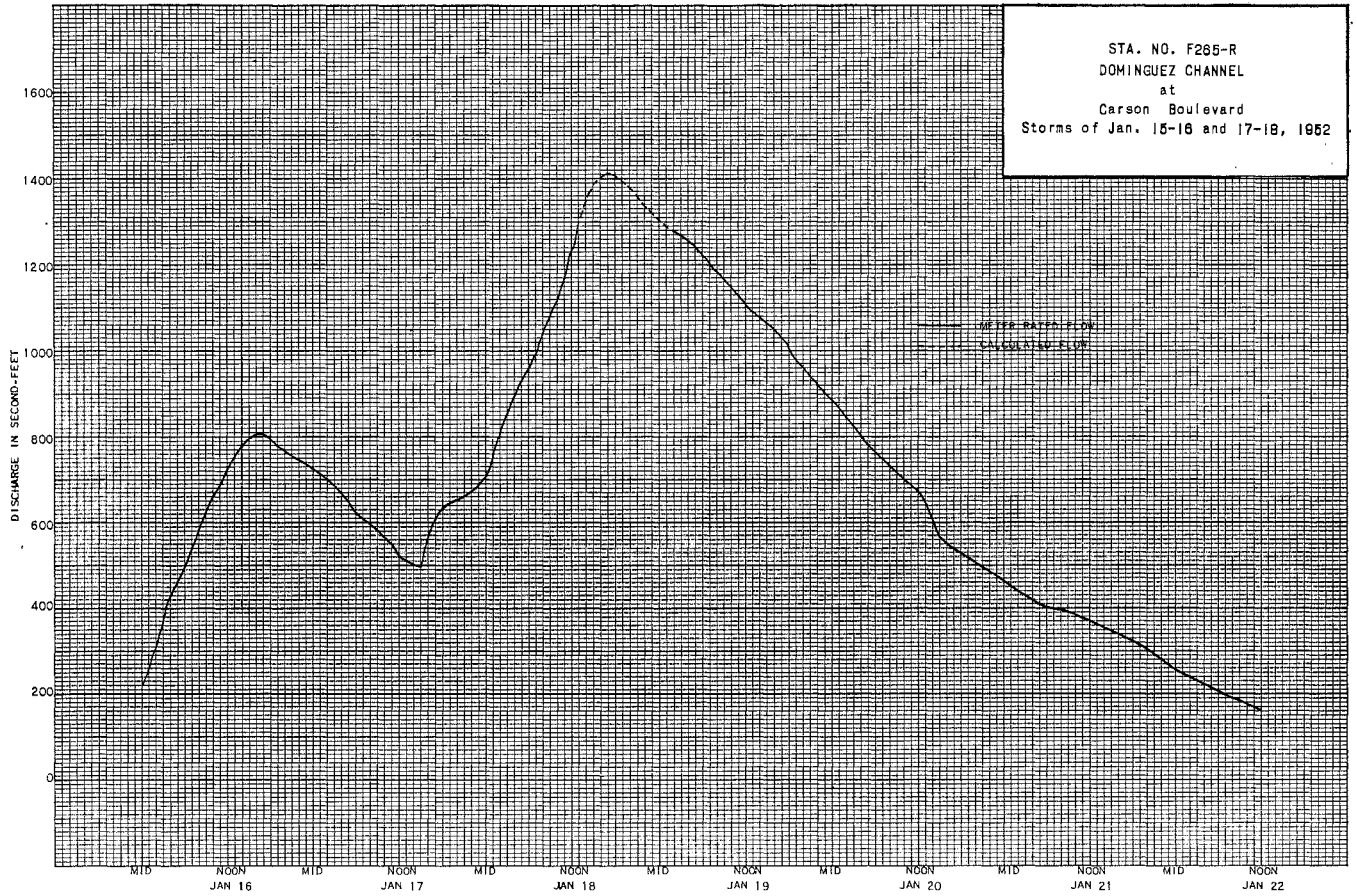
FD-108 (Rev. 1-25-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F205-R

Daily discharge, in second-feet of **DOMINGUEZ CHANNEL at Carson Boulevard** for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	10	4.6	3.5	10	12	9.3	14	8.6	11	9.6	11
2	8.9	10	12.3	2.6	10	13	8.3	10	8.5	10	9.6	11
3	9.6	9.6	9.6	1.5	10	15	8.3	8.5	8.5	10	10	10
4	9.6	9.6	4.1	1.2	9.6	17	8.5	8.5	8.5	10	10	10
5	9.6	9.3	2.4	10	8.9	9.3	8.5	8.5	8.5	10	10	10
6	8.5	10	11.8	9.6	9.3	10	8.5	7.5	10	10	9.6	11
7	8.5	10	11.8	2.6	8.9	12	8.5	7.5	10	10	10	10
8	8.5	10	11.8	5.0	7.5	11	7.5	8.9	9.6	9.3	10	9.6
9	7.5	8.5	11.8	4.2	7.5	11	7.2	7.9	9.6	9.3	10	9.6
10	8.5	8.5	11.8	2.8	7.2	12	7.5	7.9	11	8.9	10	9.6
11	8.6	8.9	12	1.7	6.9	12	7.2	8.3	10	8.9	10	10
12	8.6	8.3	12	1.4	7.6	12	7.2	7.2	9.6	9.3	10	9.6
13	9.3	10	11	1.7	7.6	12	7.9	7.9	8.5	8.9	10	9.6
14	10	13	10	3.1	7.6	11	8.5	7.9	8.5	9.6	10	10
15	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
16	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
17	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
18	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
19	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
20	10	13	10	11.8	8.5	11	8.5	7.9	8.5	9.6	10	10
21	9.3	14	3.0	6.9	8.5	10	8.9	9.3	9.6	9.3	10	7.2
22	8.6	17	3.4	6.9	8.5	14	3.2	9.3	9.6	8.5	10	7.2
23	8.6	16	11.7	7.2	9.3	14	3.0	9.3	9.6	8.5	10	6.9
24	9.3	20	11.2	7.2	9.3	12	14	9.3	9.6	11	9.6	6.9
25	9.3	21	11	7.2	9.3	11	11	9.3	9.6	11	9.6	6.9
26	9.6	17	10	8.2	3.6	10	11	8.5	8.9	8.9	10	7.2
27	9.6	14	10	9.6	3.6	9.6	11	8.5	8.9	8.9	10	7.2
28	10	13	10	8.5	10	10	9.2	7.5	10	10	10	8.9
29	9.6	14	10	10	10	10	7.9	7.5	10	10	10	9.3
30	11	16	3.9	11	10	10	2.4	8.3	10	9.6	11	9.3
31	10	10	10	10	10	11	10	8.9	10	9.6	11	9.3
286.7												
635.1												
531.7												
350.0												
264.6												
293.7												
267.2												
MEAN 9.22												
ACRE-FEET 469.												
REMARKS:												
YEAR OR PERIOD MEAN 13.3												
ACRE-FEET 2620.												



STATION F53-R
DUME CREEK at Roosevelt Highway

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

DRAINAGE AREA: 0.0 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 15, 1930. REMOVED NOVEMBER 26, 1937 DUE TO CONSTRUCTION OF NEW BRIDGE. REINSTALLED NOVEMBER 3, 1938 OVER A 21-INCH DIAMETER GALVANIZED IRON PIPE STILLING WELL. A STEVENS, TYPE A, CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 15, 1930 TO NOVEMBER 26, 1937. NOVEMBER 3, 1938 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 2010 SECOND-FEET JANUARY 15.
MINIMUM NO FLOW PART OF YEAR.
- 1952-53
MAXIMUM 30 SECOND-FEET DECEMBER 2.
MINIMUM NO FLOW MOST OF YEAR.
- 1930-53
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 6,800 SECOND-FEET, JANUARY 24, 1941.
MINIMUM NO FLOW AT TIMES EACH YEAR.

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

DISCHARGE MEASUREMENTS OF DUME CREEK
AT Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING	METH. CD	MEAN REC. NO.	S. HT. CHANGE TOTAL	METER NO.
190	1-13	0428 0443	BOLLINGER-BROWN	20.0	14.6	3.49	6.00	50.9			.6 13	+ .01	FC6
191	1-18	1203 1230	BOLLINGER	24.9	10.2	2.59	4.40	26.4			.6 19	- .01	FC20
192	1-22	1046 1052	"	2.0	0.30	0.90	4.02	0.27			.5 5	0	"
193	3-7	1484 1491	BOLLINGER-BROWN	28.0	15.0	3.71	4.42	55.6			.6 19	0	FC6
194	3-15	1739 1739	BOLLINGER	56.0	87.2	6.80	6.18	593.			.6 9	0	"
195	3-20	1810 1829	"	16.8	6.93	1.99	5.08	13.8			.6 16	0	"
196	3-27	1728 1736	"	13.0	4.50	1.04	4.92	4.7			.6 16	0	"
197	4-3	1827 1842	"	10.6	2.56	0.78	4.82	2.0			.6 14	0	"
198	4-9	0849 0857	"	8.8	2.54	0.79	4.79	2.0			.6 13	0	"
199	4-16	1848 1848	"	9.2	2.41	0.83	4.86	2.0			.6 13	+ .01	"
200	4-22	1408 1423	"	8.8	2.53	0.67	4.84	1.7			.6 12	0	"
201	5-7	1010 1025	"	9.2	1.82	0.77	4.84	1.4			.6 13	0	FC49
202	5-15	1610 1625	"	8.7	1.77	0.79	4.86	1.4			.6 13	0	"
203	5-22	1843 1858	"	8.2	2.26	0.43	4.82	0.98			.6 10	0	"
204	5-29	1046 1101	THOMAS	5.9	1.74	0.75	4.82	1.3			.5 9	0	FC42
205	6-12	1818 1830	BOLLINGER	8.1	1.67	0.72	4.78	1.2			.6 11	0	FC49
206	6-26	1782 1795	"	4.7	1.20	0.75	4.79	0.90			.6 8	0	"
207	7-10	1739 1739	"	3.7	0.62	1.47	4.78	0.91			.6 7	0	"
208	7-24	1709 1717	THOMAS	4.0	0.67	0.76	4.86	0.81		SURF	.5 7	0	FC42
209	8-14	1807 1815	BOLLINGER	2.0	0.34	0.85	4.79	0.29			.5 5	0	FC6
210	8-28	1423 1428	HYDE-BOLLINGER	1.5	0.32	0.72	4.84	0.23			.5 4	0	"
211	9-11	1809 1809	BOLLINGER	1.5	0.32	0.59	4.83	0.19			.5 4	0	"
212	9-25	1839 1839	"	1.5	0.33	0.61	4.89	0.20			.5 4	0	"

DISCHARGE MEASUREMENTS OF DUME CREEK
AT Roosevelt Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING	METH. CD	MEAN REC. NO.	S. HT. CHANGE TOTAL	METER NO.
213	10-9	1610 1613	BOLLINGER	0.8	0.06	1.00	4.92	0.06			.5 3	0	FC6
214	12-20	0839 0841	"	10.0	6.93	1.69	5.20	11.7			.6 10	+ .03	"

762742 P. C. Dist. 52 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	e +	0	2.5	1.6	1.4	1.1	0.6	0.3
2	0	0	0	0	+	0	2.3	1.6	1.4	1.1	b 0.2	0.3
3	0	0	0	0	+	0	1.9	1.6	1.4	1.1	0.1	0.2
4	0	0	0	0	+	0	1.7	1.4	1.4	1.2	0.1	0.2
5	0	0	0	0	+	0	1.6	1.4	1.4	1.6	0.1	0.2
6	0	0	0	0	e 0	0	1.6	1.4	1.7	1.0	0.1	0.2
7	0	0	0	0	0	5.0	1.7	1.4	1.4	0.9	b 0.1	0.2
8	0	0	0	0	0	8.0	4.0	1.6	1.4	1.1	0.2	0.2
9	0	0	0	0	0	0	1.7	1.6	1.4	1.1	0.2	0.2
10	0	0	0	0	0	0	2.8	1.4	1.6	1.1	0.2	0.2
11	0	0	0	0	0	0	2.6	1.4	1.6	1.0	0.2	0.2
12	0	0	0	2.7	0	0	2.5	1.4	1.2	0.9	0.3	0.2
13	0	0	0	4.2	0	0	2.3	1.4	1.4	0.9	0.3	0.2
14	0	0	0	2.6	0	0	2.1	1.4	1.2	0.9	0.3	0.2
15	0	0	0	7.69	0	4.27	1.9	1.4	1.2	0.8	0.3	0.2
16	0	0	0	7.08	0	2.87	1.7	1.4	1.2	0.7	0.2	0.2
17	0	0	0	1.75	0	6.4	1.7	1.4	1.2	0.7	0.2	0.2
18	0	0	0	3.81	0	1.8	1.7	1.4	1.1	0.7	0.1	0.2
19	0	0	0	2.9	0	1.5	1.7	1.1	1.1	0.7	0.1	0.2
20	0	0	0	b 1.7	0	b 1.4	1.9	1.1	1.1	0.6	0.1	0.3
21	0	0	0	b 8.5	0	9.6	1.9	1.0	1.0	0.6	0.2	0.2
22	0	0	0	f 0.2	0	6.8	1.7	1.0	1.0	0.6	0.2	0.2
23	0	0	0	e + 0.1	0	5.4	1.6	1.0	1.0	0.5	0.2	0.2
24	0	0	0	e + 0.1	0	5.4	1.6	1.1	1.0	0.5	0.2	0.2
25	0	0	0	5.1	0	b 5.0	1.6	1.1	0.9	0.4	0.2	0.2
26	0	0	0	1.6	0	b 5.4	1.6	1.2	0.9	0.4	0.2	0.2
27	0	0	0	0.2	0	b 5.0	1.6	1.2	0.9	0.5	0.2	0.2
28	0	0	0	0.1	0	4.0	1.6	1.4	1.0	0.5	0.2	0.2
29	0	0	0	+	0	3.6	1.6	1.4	1.1	0.5	0.3	0.2
30	0	0	0	+	0	2.8	1.6	1.2	1.1	0.5	0.3	0.2
31	0	0	0	+	0	2.5	1.2	1.2	1.1	0.6	0.3	0.2
	0	0	+	2189.8	+	938.5	58.3	40.9	36.4	24.9	6.5	6.3
MEAN	0	0	0	7.6	+	37.3	1.94	1.32	1.21	0.80	0.21	0.21
ACRE- FEET	0	0	+	470.	+	1860.	116.	81.	72.	49.	13.	12.
Remarks: + = 0.05 c.f.s. or less										YEAR OR PERIOD	MEAN ACRE-FEET	9.22 6540.

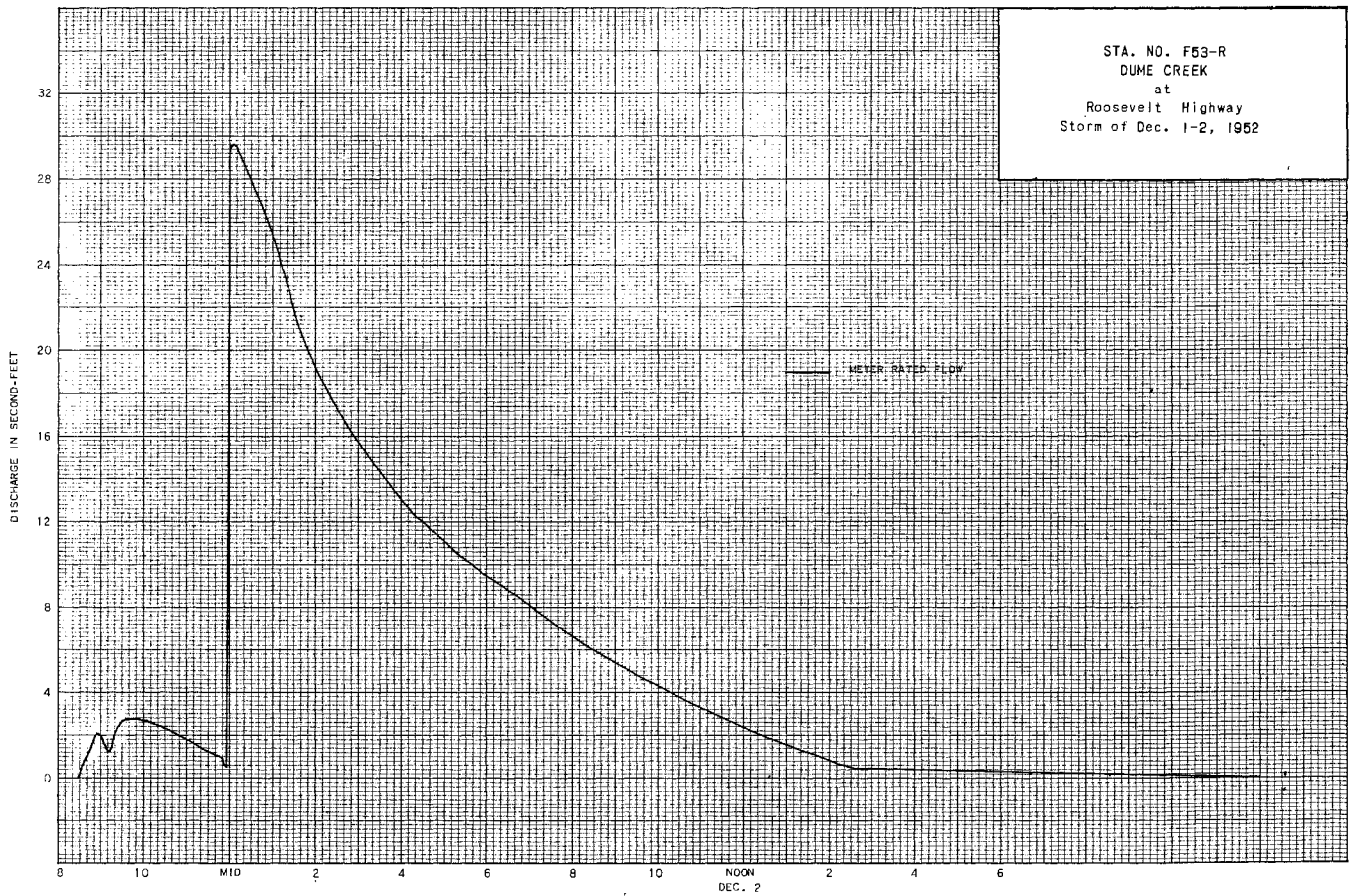
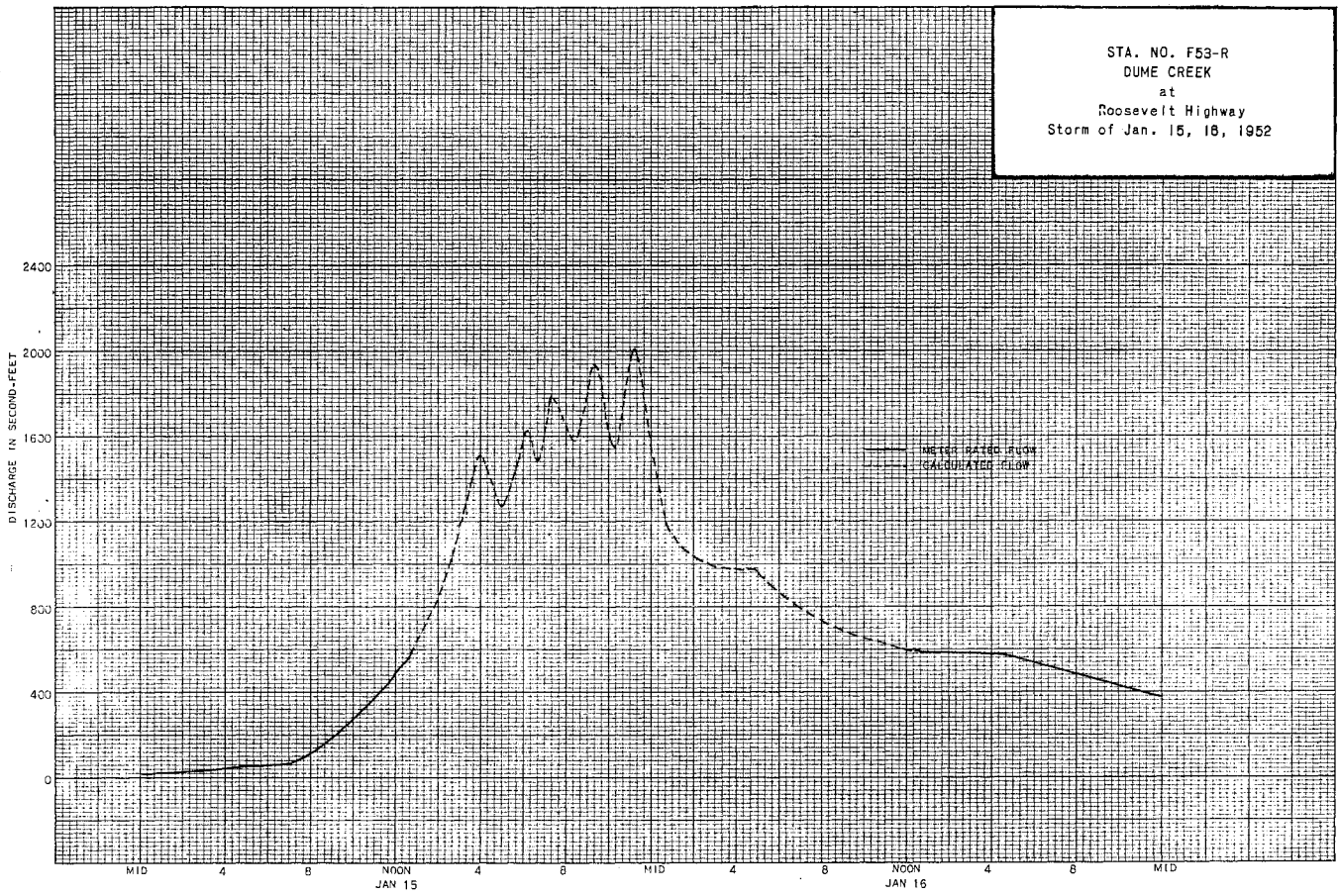
762742 P. C. Dist. 52 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F53-R

Daily discharge, in second-feet of DUME CREEK at Roosevelt Highway for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	+	0.3	0	0	0	0	0	0	0	0	0
2	0.1	+	6.1	0	0	0	0	0	0	0	0	0
3	0.1	+	+	0	0	0	0	0	0	0	0	0
4	0.1	+	+	0	0	0	0	0	0	0	0	0
5	0.1	+	0	0	0	0	0	0	0	0	0	0
6	0.1	+	0	0	0	0	0	0	0	0	0	0
7	0.1	+	0	0	0	0	0	0	0	0	0	0
8	0.1	+	0	0	0	0	0	0	0	0	0	0
9	0.1	0	0	0	0	0	0	0	0	0	0	0
10	0.1	0	0	0	0	0	0	0	0	0	0	0
11	0.1	0	0	0	0	0	0	0	0	0	0	0
12	0.1	0	0	0	0	0	0	0	0	0	0	0
13	0.1	0	0	+	0	0	0	0	0	0	0	0
14	0.1	+	0	0	0	0	0	0	0	0	0	0
15	0.1	0.1	0	0	0	0	0	0	0	0	0	0
16	0.1	0	0	0	0	0	0	0	0	0	0	0
17	0.1	0	0	0	0	0	0	0	0	0	0	0
18	0.1	0	0	0	0	0	0	0	0	0	0	0
19	0.1	0	0	0	0	0	0	0	0	0	0	0
20	0.1	0	3.2	0	0	0	0	0	0	0	0	0
21	0.1	0	0	0	0	0	0	0	0	0	0	0
22	0.1	+	0	0	0	0	0	0	0	0	0	0
23	0.1	0	0	0	0	0	0	0	0	0	0	0
24	0.1	0	0	0	0	0	0	0	0	0	0	0
25	0.1	0	0	0	0	0	0	0	0	0	0	0
26	0.1	0	0	0	0	0	0	0	0	0	0	0
27	+	0	0	0	0	0	0	0	0	0	0	0
28	+	0	0	0	0	0	0	0	0	0	0	0
29	+	0	0	0	0	0	0	0	0	0	0	0
30	+	0.1	1.5	0	0	0	0	0	0	0	0	0
31	+	2.9	0	0	0	0	0	0	0	0	0	0
	2.7	0	1.4 0	+	0	0	0	0	0	0	0	0
	0.2											
MEAN	.087	.007	0.45	+	0	0	0	0	0	0	0	0
ACRE- FEET	5.4	0.4	28.	+	0	0	0	0	0	0	0	0
Remarks: + = 0.05 c.f.s. or less										YEAR OR PERIOD	MEAN ACRE-FEET	.046 34.



STATION P. C. DIST. 88 1-49

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0.8	8.3	0.3	0	0	0	0
2	0	0	0	0	0	0	7.5	0.9	0	0	0	0
3	0	0	0	0	0	0	5.5	0.9	0	0	0	0
4	0	0	0	0	0	0	4.6	0.7	0	0	0	0
5	0	0	7.5	0	0	0	4.9	0	0	0	0	0
6	0	0	1.4	0	0	0	0	0	0	0	0	0
7	0	0	0.5	0	0	2.1	1.1	0	0	0	0	0
8	0	0	0	0	0	8.3	1.2	0	0	0	0	0
9	0	0	0	0	0	4.0	9.1	0	0	0	0	0
10	0	0	0	0	0	1.2	1.1	0	0	0	0	0
11	0	0	0	0	0	1.2	1.1	0	0	0	0	0
12	0	0	0	0	0.4	8.9	8.5	0	0	0	0	0
13	0	0	0	1.9	0	5.5	8.5	0	0	0	0	0
14	0	0	2.1	4.3	0	3.3	6.3	0	0	0	0	0
15	0	0	0	4.3	0	0	4.9	0	0	0	0	0
16	0	0	0	1.5	0	0	2.5	0	0	0	0	0
17	0	0	0	12.6	0	3.1	1.8	0	0	0	0	0
18	0	0	0	1.4	0	6.6	1.8	0	0	0	0	0
19	0	0	0	1.6	0	4.4	3.8	0	0	0	0	0
20	0	1.1	0	0	0	2.8	3.7	0	0	0	0	0
21	0	7.5	0	3.0	0	3.3	3.7	0	0	0	0	0
22	0	0	0	1.9	0	1.8	3.0	0	0	0	0	0
23	0	0	0	1.6	0	1.5	3.9	0	0	0	0	0
24	0	0	0	1.1	0	1.5	0	0	0	0	0	0
25	0.7	0	0	9.7	0	1.5	4.3	0	0	0	0	0
26	0	0	0	5.9	0	0	1.7	0	0	0	0	0
27	0	0	0	5.3	0	0	1.6	0	0	0	0	0
28	0	0	0	4.0	0	0	1.4	0	0	0	0	0
29	0	0	0	2.4	1.0	0	1.2	0	0	0	0	0
30	0	0	1.4	1.4	0	0	1.1	0	0	0	0	0
31	0	0	7.0	2.0	0	0	2.9	0	0	0	0	0
	0.7		121.0		1.4		167.9		0	0	0	0
		10.1		716.0		474.1		2.8				
MEAN	0.02	0.34	3.90	22.3	0.05	15.3	5.60	0.09	0	0	0	0
ACRE- FEET	1.4	20.	240.	1420.	2.8	940.	333.	5.6	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 4.08
ACRE-FEET 2960.

STATION C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U2-R

Daily discharge, in second-feet of EATON CREEK above Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.5	0	0	0	0	0	0	0	0	0
2	0	0	8.7	0	0	0	0	0	0	0	0	0
3	0	0	0.5	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	2.7	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0.7	0	0	0	0	0	0	0	0	0	0
15	0	5.0	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	0.6	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	0.5	0	0	0	0	0	0
20	0	0	5.6	0	0	1.5	0	0	0	0	0	0
21	0	0	0.4	0	0	0	0	0	0	0	0	0
22	0	0	0.1	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	1.2	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	2.1	0	0	0	0	0	0	0	0	0
31	0	0	0.9	0	0	0	0	0	0	0	0	0
			22.1		0.0		0	0	0	0	0	0
		8.3		2.7		2.0						
MEAN	0	0.28	0.71	0.09	0	0.06	0	0	0	0	0	0
ACRE- FEET	0	16	44	5.4	0	4.0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.10
ACRE-FEET 69.

STATION F104-R
EATON WASH at Temple City Boulevard
(Formerly Ellis Lane)

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

DRAINAGE AREA: 18.4 SQUARE MILES.

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

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

RECORDER: INSTALLED OCTOBER 1, 1930. REMOVED DECEMBER 1930 DUE TO BRIDGE CONSTRUCTION. REINSTALLED NOVEMBER 10, 1931, MOVED DECEMBER 11, 1945 TO NORTH BANK 10 FEET UPSTREAM FROM BRIDGE OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY EATON WASH DAM.

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

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1953. FROM DECEMBER 28, 1930 TO NOVEMBER 10, 1931, THE RECORDER WAS LOCATED AT STATION F104B-R AT BROADWAY.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 953 SECOND-FOOT JANUARY 16.
MINIMUM NO FLOW PART OF YEAR.
- 1952-53
MAXIMUM 868 SECOND-FOOT NOVEMBER 15.
MINIMUM NO FLOW MOST OF YEAR.
- 1930-53
MAXIMUM 2280 SECOND-FOOT JANUARY 23, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

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

DISCHARGE MEASUREMENTS OF EATON WASH
AT Ellis Lane DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH.	METH. DD	MEAN REG. NO.	S. M. TOTAL	METER NO.
309	11-20	0830 0938	WADDICOR-VAN BUREN	6.5	2.36	1.61	1.39	3.8		.5	6	+.01	FC37
310	12-5	0440 0450	"	32.0	21.8	2.37	1.65	51.6		.6	8	0	"
311	12-30	1418	"	30.0	14.5	4.31	1.82	62.5		.6	9	0	"
312	1-12	1822 1855	LANG-PAYNE	35.0	23.2	5.60	2.28	130.	SURF.	.7	7	+.05	FC12
313	1-18	0450 0526	STUNDEN-CANAVAN	44.5	38.4	9.97	3.25	383.		.6	11	-.30	FC36
314	3-1	1113	WADDICOR-VAN BUREN	TWO	CHANNELS	1.97	14.7			.6	11	-.02	FC37
315	3-7	0438	"	48.0	53.0	10.2	3.39	539.		.6	7	+.07	"
316	3-7	1512	"	TWO	CHANNELS	2.25	17.5			.5	11	-.02	"
317	3-15	1415	"	48.0	41.4	9.88	3.55	409.		.6	9	-.32	"
318	7-24	1346	WADDICOR	3.5	0.58	1.29	2.03	0.75		.5	5	0	"
319	7-31	1415	"	3.8	0.56	1.45	1.99	0.81		.5	5	0	"
320	8-14	1315	LANG-WADDICOR	3.4	0.56	1.54	1.94	0.86		.5	8	0	"
321	8-21	1225 1234	LANG	7.0	0.93	1.01	1.97	0.94		.5	9	0	FC12
322	8-28	1312 1325	"	4.5	0.79	1.05	1.81	0.89		.5	10	0	"
323	9-4	1332 1337	WADDICOR-LA BAHN	3.6	0.63	1.13	1.80	0.71		.5	6	0	FC37
324	9-11	1325	WADDICOR-DE MARS	4.0	0.65	1.32	1.82	0.86		.5	5	0	"
325	9-18	1505 1516	WADDICOR	4.0	0.84	1.08	1.83	0.91		.5	5	0	"
326	9-25	1350 1400	"	4.5	1.04	1.06	1.83	1.1		.5	6	0	"

DISCHARGE MEASUREMENTS OF EATON WASH
AT Temple City Boulevard (Ellis Lane) DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH.	METH. DD	MEAN REG. NO.	S. M. TOTAL	METER NO.
327	10-2	1530 1535	WADDICOR	4.0	0.82	1.17	1.79	0.95		.5	5	0	FC37
328	10-9	1338 1348	"	4.0	1.14	0.95	1.90	1.1		.5	5	0	"
329	11-6	1412	"	4.0	0.80	0.95	1.86	0.57		.6	5	0	"
330	11-14	1347 1357	"	40.0	26.2	6.72	2.53	176.		.6	9	-.06	"
331	12-20	0910 0922	WADDICOR-ROB INSON	38.5	13.2	4.65	2.16	61.4		.6	12	-.04	"
332	8-27	1708 1709	GODFREY	2.9	0.62	1.58	1.52	0.98		.5	7	0	FC28

FORM F. C. Dist. 28 1-42

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F104-R

Daily discharge, in second-feet of EATON WASH at Temple City Boulevard (Ellis Lane) for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0	0	0	0	3.4	0	0.1	+	+	1.2	1.0
2	+	0	0	0	0	0	0	0.1	+	+	0.6	1.2
3	+	0	0	0	0	0	0	0	+	+	0.1	0.6
4	+	0	7.8	0	0	0	0	0	+	+	0.3	0.9
5	0.1	0	1.7	0	0	0	0	0	+	+	0.1	0.9
6	0	0	0	0	0	3.7	0	+	+	+	0.1	0.8
7	0	0	0	0	0	21.0	1.8	+	+	+	0.1	1.0
8	0.1	0	0	0	0	0	0.2	+	+	+	+	0.5
9	0.1	0	0	0	0	0	0	+	+	+	0.1	0.5
10	0.1	0	0	0	0	1.2	0.4	+	+	+	0.2	0.4
11	0.2	0	0	0	0	0	0	+	+	+	+	0.2
12	0	0	0	8.4	0	0	0	+	+	+	+	0.8
13	0	0	0	0	0	1.5	0	+	+	+	+	1.2
14	0	0	0	0	0	0	0	+	+	+	+	1.2
15	0	0	0	8.0	0	14.9	0	+	+	+	0.4	1.0
16	0	0	0	17.2	0	1.5	0	+	+	+	0.3	0.4
17	0	0	0	13.0	0	0	0	+	+	+	0.8	0.6
18	0	0	0	19.8	3.8	0	0	+	+	+	0.9	0.6
19	0	0	0	6.4	0	0	0	+	+	+	1.1	1.1
20	0	0	0	0	0	0	2.5	+	+	+	0.6	1.1
21	0	0	0	0	0.7	0	0	+	+	+	0.9	1.5
22	0	0	0	0	0.5	0	0	+	+	+	0.9	1.5
23	0	0	0	0	0	0	0	+	+	+	0.8	1.0
24	0	0	0	0	0	0	0	+	+	0.2	1.1	0.8
25	1.0	0	0	0	0	0	0	+	+	+	0.4	1.2
26	0	0	0	0	0	0	0	+	+	+	+	1.2
27	0	0	0	0	0	0	0	+	+	+	+	1.5
28	0	0	0	0	0	0	0	+	+	0.8	1.3	1.0
29	0	0	4.7	0	6.0	0	0	+	+	0.9	0.1	0.3
30	0	0	2.9	0	0	0	0	+	+	1.0	+	0.3
31	0	0	0	0	0	0	0	+	+	1.2	+	0.3
	1.8		100.8		65.6		51.8		+		9.9	
		3.5		728.0		429.2		0.4		4.9		25.4

MEAN	0.06	0.12	3.25	23.5	2.26	17.8	1.73	+	+	0.16	0.32	0.85
ACRE- FEET	3.6	6.9	200.	1440.	130.	851.	103.	0.8	+	9.7	20.	50.
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR MEAN 3.88											
	OR PERIOD ACRE-FEET 2820.											

FORM F. C. Dist. 28 1-42

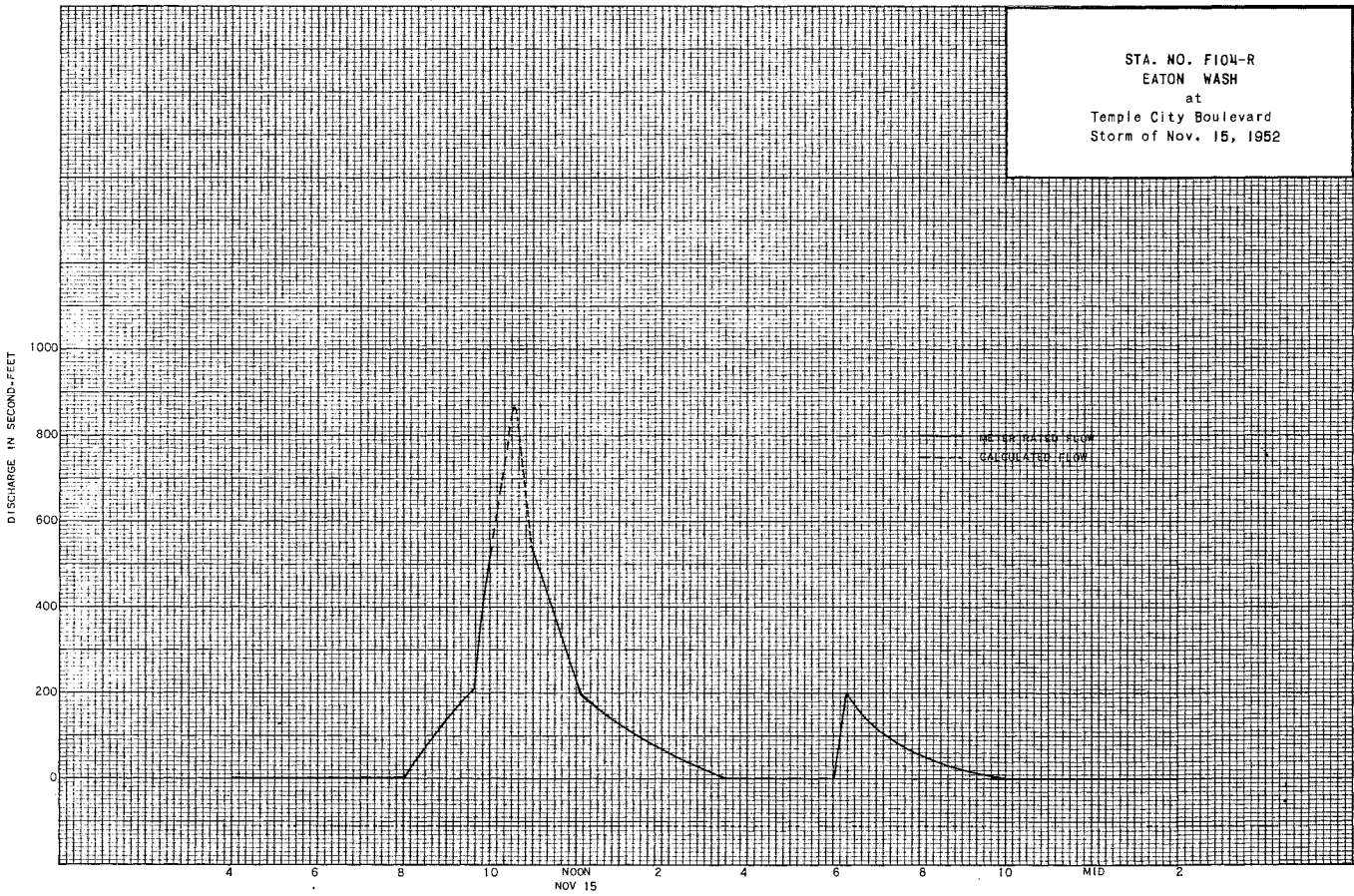
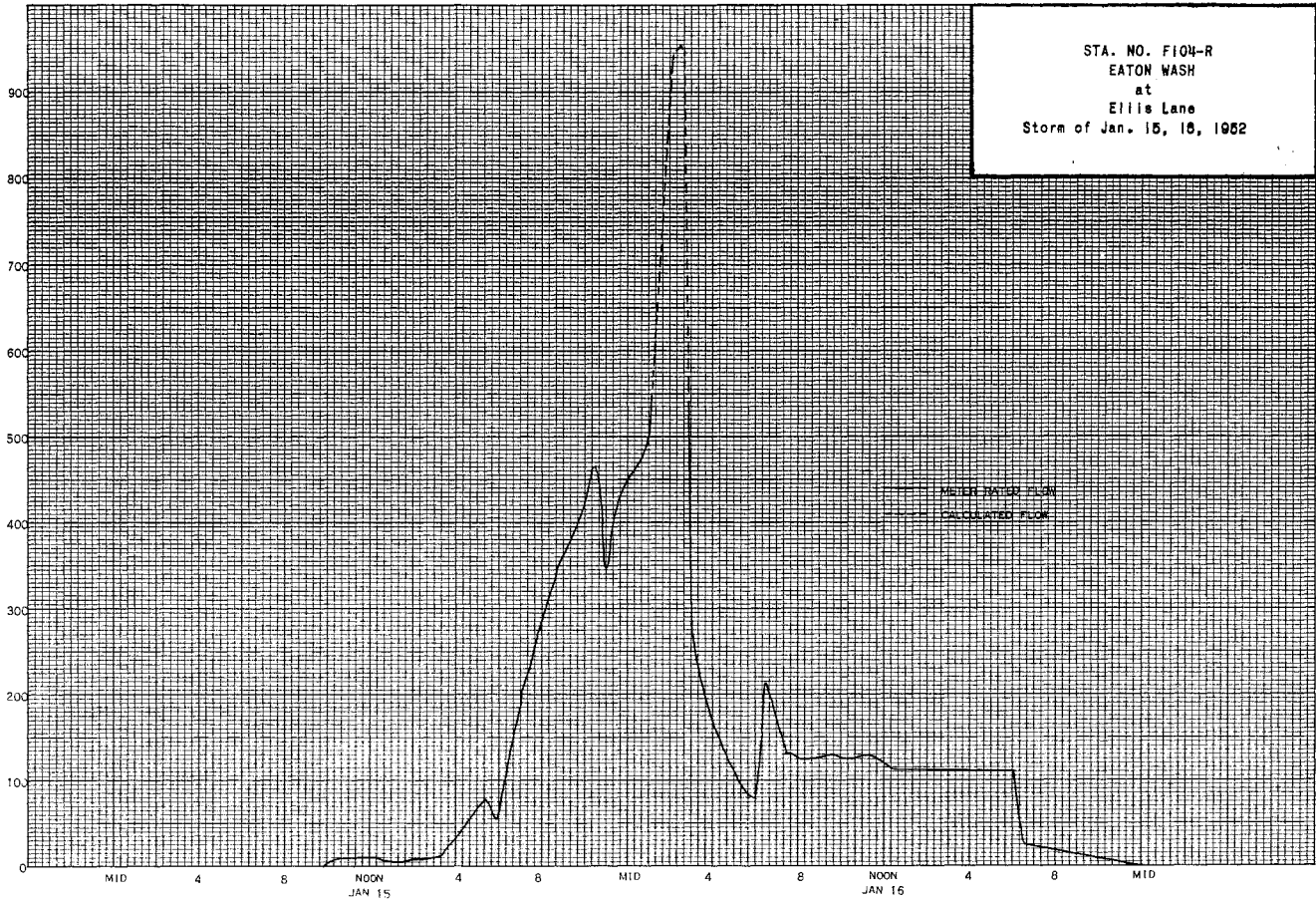
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F104-R

Daily discharge, in second-feet of EATON WASH at Temple City Boulevard (Ellis Lane) for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.8	4.5	0	0	+	0.1	0	+	+	+	+
2	0.2	0.9	0	0	0	+	0.1	0	+	+	+	+
3	0.4	0.7	0	0	0	0	0	0	+	+	+	+
4	0.2	0.7	0	0	+	0	0	+	+	+	+	+
5	0.3	0.7	0	0.4	+	0	0	0.7	+	+	+	+
6	0.7	0.7	0	1.1	+	0	0	0	+	+	+	+
7	0.4	0.6	0	2.3	+	0	0	0	+	+	+	+
8	0.2	1.5	0	+	0	0	0	0	+	+	+	+
9	0.3	1.7	0	+	0	0	0	0	+	+	+	+
10	0.2	+	0	+	0	0	0	0	+	+	+	+
11	0	+	0	+	0	0	0	0	+	+	+	+
12	0	0	0.4	0	0	0	0	0	+	+	+	+
13	0	0	1.0	0.8	0	0	0	0	+	+	+	+
14	0	4.0	0	0	0	0	0	0	+	+	+	+
15	+	9.3	0	0	0	0	0	0	+	+	+	+
16	+	0	0	0	0	0	0	0	+	+	+	+
17	+	0	0	0	0	0	0	0	+	+	+	+
18	+	0	0	0	0	0	0	0	+	+	+	+
19	0.1	0	0	0	0	+	0	0	+	+	+	+
20	+	0	4.3	0	0	2.1	+	0	+	+	+	+
21	+	0	0	0	0	0	0	0	+	+	+	+
22	+	0	0	0	0	0	0	0	+	+	+	+
23	0.1	+	0	0	0.2	+	0	0	+	+	+	+
24	0.1	0	0	0	0.2	+	0	0	+	+	+	+
25	0.2	0	0	0	0	0.1	0	0	+	+	+	+
26	0.3	0	0	0	0	0.1	0	0	+	+	+	+
27	0.2	0	0	0	+	0.1	3.1	0	+	+	+	+
28	0.6	0	1.2	0	0	0.2	0	0	+	+	+	+
29	0.4	0	0	0	0	0	0	0	+	+	+	+
30	0.8	0	9.1	0	+	0.1	0	0	+	+	+	+
31	1.0	0	0	0	+	0.1	0	0	+	+	+	+
	6.7		110.5		2.2		3.3		+	+	+	+
		141.3		4.6		2.8		0.7				

MEAN	0.22	4.71	3.56	0.15	0.08	0.09	0.11	+	+	+	+	+
ACRE- FEET	13.	280.	219.	9.1	4.3	5.6	6.5	144	+	+	+	+
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR MEAN 0.74											
	OR PERIOD ACRE-FEET 539.											



STATION U7-R
FISH CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°10'00" N, LONG. 117°55'25" W, IN SW 1/4 SW 1/4 SEC. 15, T.10N., R.10W., 0.8 MILE UP-STREAM FROM MOUTH OF CANYON AND 3 MILES NORTHEAST OF DUARTE. ALTITUDE OF GAGE ABOUT 1000 FEET.

DRAINAGE AREA: 6.5 SQUARE MILES.

RECORDS AVAILABLE: JULY TO SEPTEMBER 1916, JULY 1917 TO SEPTEMBER 30, 1953.

AVERAGE DISCHARGE: 36 YEARS (1917-1953) 4.16 SECOND-FeET.

EXTREMES:

1951-52
MAXIMUM DISCHARGE 1360 SECOND-FeET JANUARY 16. (GAGE HEIGHT 5.85 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW IN OCTOBER AND PART OF NOVEMBER.
1952-53
MAXIMUM DISCHARGE 252 SECOND-FeET DECEMBER 1. (GAGE HEIGHT 3.68 FEET.)
MINIMUM DISCHARGE NO FLOW JULY 8 TO SEPTEMBER 30.
1916-53
MAXIMUM DISCHARGE ABOUT 2180 SECOND-FeET APRIL 4, 1925.
MINIMUM NO FLOW DURING PERIODS IN 1919-1921, 1924, 1929-1930, 1950-1951, 1951, 1953.

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

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

DISCHARGE MEASUREMENTS OF FISH CREEK

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19__

NO.	DATE	MEGN. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. NO.	HEAR. REG. NO.	D. CHG. TOTAL	METER NO.
2001	5-28		USGS	13.6	3.32	0.96	1.30	3.18			.5	14	0
2002	5-29	1145 1156	MOON	11.5	4.07	1.01	1.34	4.1			.6	9	FC22
2003	6-5	1310	"	11.3	4.00	0.85	1.33	3.4			.6	9	"
2004	6-12	1335 1345	"	10.0	3.28	0.85	1.30	2.8			.6	7	"
2005	6-16		USGS	10.3	2.51	0.83	1.22	2.12			.5	13	0
2006	6-16		"	7.1	2.15	0.98	1.22	2.12			.5	12	0
2007	6-19	1324 1342	MOON	13.0	2.95	0.75	1.24	2.2			.6	7	FC22
2008	6-26	0955 1310	"	2.3	0.84	3.21	1.28	2.7			.5	6	"
2009	7-2		USGS	7.2	2.35	1.02	1.30	2.39			.5	12	0
2010	7-2		"	7.1	2.21	1.05	1.30	2.32			.5	12	0
2011	7-15		"	4.3	1.56	1.10	1.33	1.73			.5	11	0
2012	7-15		"	4.2	1.82	1.82	1.32	1.82			.5	11	0
2013	7-17	1100 1108	KASHIMOFF	2.5	1.04	1.73	1.33	1.8			.5	8	FC47
2014	7-24	1319	MOON	2.3	0.73	2.19	1.27	1.6			.6	6	FC48
2015	7-31		USGS	3.9	1.59	0.87	1.23	1.39			.6	11	0
2016	8-7	1429 1427	MOON	3.5	1.24	0.97	1.14	1.3			.5	7	FC46
2017	8-14		USGS	3.4	1.35	0.87	1.15	1.17			.5	10	0
2018	8-28		"	2.1	0.31	1.61	1.09	0.50			.5	9	0
2019	9-10		"	1.8	0.42	1.23	1.08	0.53			.5	7	0
2020	9-11	1340 1350	MOON	3.0	1.16	0.72	1.12	0.83			.5	7	FC48
2021	9-25	1404 1414	"	3.0	0.58	0.72	1.06	0.42			.6	8	0
2022	9-25		USGS	3.4	0.66	0.77	1.07	0.51			.5	13	0
2000	11-9		USGS										
2001	11-21		"	6.0	1.95	0.97	1.17	1.90			.5	7	0
2002	12-5		"	4.40	3.56	2.84	1.82	10.1			.5	10	-.02
2003	12-7		"	3.00	1.51	1.09	1.15	1.64			.5	7	0
2004	12-15		"	8.3	2.34	0.71	1.17	1.56			.5	16	0
2005	12-29		"	20.0	17.2	4.06	2.70	69.8			.6	34	-.09
2006	12-31		"	15.0	10.0	1.99	2.03	19.9			.6	27	0
2007	1-7		"	3.70	2.21	1.95	1.38	4.31			.6	18	0
2008	1-16		"	20.0	28.4	5.49	3.25	156.			.6	21	0
2009	1-17		"	20.6	14.6	5.80	2.70	61.7			.6	14	+.05
2010	1-22		"	12.0	10.1	2.27	1.97	22.9			.6	16	0
2011	1-25	1197	MOON-MURPHY	12.0	9.12	2.38	1.90	21.7			.6	7	0 FC22
2012	1-31		USGS	8.6	6.42	1.57	1.58	13.1			.6	18	0
2013	2-6		"	5.3	2.75	2.74	1.46	7.53			.6	24	0
2014	2-7	1128	MOON	12.0	4.63	1.36	1.46	6.3			.6	7	0 FC22
2015	2-14		USGS	5.30	2.61	1.79	1.38	4.67			.5	16	+.01
2016	2-21	1244 1256	MOON	5.6	3.08	1.23	1.32	3.8			.6	8	0 FC22
2017	2-27		USGS	6.4	2.77	1.07	1.31	2.95			.6	14	0
2018	3-13		"	13.1	11.0	2.58	2.14	28.3			.6	19	0
2019	3-26	1107 1107	MOON	12.5	11.1	1.68	1.90	18.7			.6	9	0 FC22
2020	3-27		USGS	14.4	12.0	1.50	1.85	18.0			.5	16	-.02
2021	4-3		"	14.4	9.48	1.16	1.68	11.0			.5	16	0
2022	4-12		"	14.7	8.36	1.21	1.63	10.1			.6	18	0
2023	4-16	1515 1525	MOON	12.0	6.43	1.40	1.56	9.0			.6	9	0 FC22
2024	4-23	1427 1437	"	11.5	5.51	1.23	1.52	6.8			.6	7	"
2025	4-28		USGS	13.3	6.80	1.16	1.55	7.89			.6	19	0
2026	4-30	1314 1323	MOON	12.0	5.67	1.43	1.54	8.1			.6	8	0 FC22
2027	5-7	1345 1355	"	11.5	4.92	1.24	1.47	6.1			.6	8	"
2028	5-9		USGS	13.5	5.54	0.84	1.44	4.66			.6	15	0
2029	5-15	0945 0955	MOON	12.0	4.89	1.06	1.43	5.2			.6	8	0 FC22
2030	5-22	1136 1148	"	11.5	4.36	0.99	1.39	4.3			.6	9	"

DISCHARGE MEASUREMENTS OF FISH CREEK
NEAR above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	NAT. INF.	METH. USED	MEAN. DISCH. PER SEC.	CH. CHANGE TOTAL	METER NO.
2053	10-2	1345 1355	MOON	2.6	0.53	0.75	1.06	0.40		.5	7	0	FC48
2054	10-17		USGS	1.7	0.45	0.86	1.07	0.38		.5	11	0	
2055	10-29		"	1.5	0.43	0.91	1.05	0.39		.5	9	0	
2056	10-29		"	1.6	0.28	0.90	1.05	0.40		.5	9	0	
2056	11-7	1510 1518	WHISLER	1.5	0.50	1.00	1.08	0.50		.5	6	0	FC5
2058	11-13		USGS	2.0	0.74	1.21	1.10	0.90		.6	12	0	
2059	11-26		"	3.0	1.46	1.07	1.13	1.56		.6	16	0	
2060	12-2		"	12.4	6.17	1.90	1.68	11.7		.6	27	-0.02	
2061	12-3	0936 0946	MOON	2.4	0.89	4.27	1.37	3.8		.5	6	0	FC29
2062	12-10		USGS	4.2	1.75	1.05	1.18	1.84		.6	16	0	
2063	12-20		"	12.0	7.62	1.99	1.82	15.2		.5	25	-0.07	
2064	12-23	1412 1420	MOON	2.2	0.65	3.08	1.26	2.0		.5	6	0	FC29
2065	12-31	0953 1003	"	2.4	1.02	4.61	1.42	4.7		.5	7	0	"
2066	1-8	1340 1348	"	2.4	1.10	4.64	1.46	5.1		.6	7	0	"
2067	1-13		USGS	7.0	3.67	0.78	1.29	2.88		.5	26	0	
2068	1-16	1402 1410	MOON	2.3	0.75	3.34	1.28	2.5		.5	6	0	FC29
2069	1-20		USGS	9.8	4.67	0.55	1.24	2.57		.5	19	0	
2070	1-21	1545 1555	MOON	2.20	0.70	3.00	1.24	2.1		.5	7	0	FC29
2071	1-22		USGS	6.8	3.24	0.65	1.22	2.10		.5	19	0	
2072	1-29	1000 1010	MOON	2.2	0.63	2.38	1.20	1.5		.5	7	0	FC29
2073	2-4	1530 1540	"	2.2	0.62	2.26	1.22	1.4		.5	7	0	"
2074	2-5		USGS	4.0	1.74	1.03	1.22	1.79		.5	16	0	
2075	2-11	1414 1420	MOON	2.2	0.61	1.97	1.25	1.2		.5	6	0	FC29
2076	2-19		USGS	4.0	1.59	0.78	1.20	1.24		.5	16	0	
2077	2-25	1520 1528	MOON	2.2	0.58	1.90	1.22	1.1		.5	6	0	FC29
2078	3-4		USGS	3.9	1.39	0.99	1.19	1.38		.5	13	0	
2079	3-11	1515 1520	MOON	2.2	0.57	1.93	1.20	1.1		.5	5	0	FC29
2080	3-12		USGS	3.9	1.43	0.85	1.19	1.21		.5	15	0	
2081	3-19	1045 1053	MOON	2.2	0.61	1.46	1.23	0.69		.5	6	0	FC29
2082	3-25		USGS	6.9	3.53	0.34	1.28	1.19		.5	20	0	
2083	4-2	1148 1155	MOON	2.2	0.44	1.59	1.14	0.70		.5	6	0	FC29
2084	4-8		USGS	6.8	3.36	0.30	1.13	1.03		.6	15	0	
2085	4-15	1428 1438	MOON	2.1	0.40	1.98	1.12	0.79		.5	6	0	FC29
2086	4-23		USGS	6.7	3.34	0.32	1.14	1.07		.5	18	0	
2087	4-30	1420 1428	MOON	2.16	0.49	2.04	1.16	1.10		.5	6	0	FC29
2088	5-7		USGS	2.4	1.23	0.58	1.10	0.71		.6	12	0	
2089	5-13	1520 1530	MOON	2.3	1.28	0.43	1.09	0.55		.6	6	0	FC29
2090	5-21		USGS	2.3	1.35	0.65	1.12	0.88		.6	12	0	
2091	6-4		"	2.3	1.3	0.48	1.10	0.62		.6	11	0	
2092	6-11	1404 1413	MOON	2.3	1.17	0.54	1.10	0.63		.6	6	0	FC48
2093	6-18		USGS	2.3	1.19	0.50	1.10	0.59		.6	12	0	
2094	7-2		"	1.5	0.33	0.35	1.00	0.11		.5	9	0	
2095	7-16		"				0.96	0.02					
2096	7-23	1430 1432	MOON	0.50	0.03	0.67	0.96	0.02		.5	3	0	FC48
2097	7-29		USGS				0.97	0.02				0	
2098	8-12		"				0.96	0.02					
2099	8-27		"				0.94	0.01					
2100	9-10		"				0.95	0.01					
2101	9-24		"				0.96	0.02					

FD742 P. O. Dist. 58 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.8	1.0	9.8	6.7	1.2	7.5	3.5	2.1	1.0	0.4
2	0	0	1.5	6.5	9.2	4.7	1.1	6.9	3.5	2.0	0.9	0.4
3	0	0	0.8	4.4	8.5	3.9	1.1	6.9	3.5	2.0	0.9	0.4
4	0	0	0.8	3.5	7.8	3.6	1.0	6.5	3.2	1.6	0.9	0.4
5	0	0	1.6	2.9	7.6	3.6	9.8	6.3	3.2	1.6	0.9	0.4
6	0	0.1	2.8	2.5	7.1	3.6	9.5	6.1	3.3	1.7	0.9	0.3
7	0	0.1	1.7	4.7	7.1	3.2	1.6	6.1	3.2	1.5	0.9	0.4
8	0	0.1	1.3	3.3	6.7	2.0	1.7	5.8	3.0	1.5	0.9	0.3
9	0	0.1	1.0	2.9	6.3	3.8	1.1	5.7	2.7	1.4	0.9	0.4
10	0	0.1	0.9	2.6	6.1	3.8	1.2	5.3	2.5	1.3	0.9	0.5
11	0	0.1	0.9	2.5	5.9	4.9	1.1	5.1	2.5	1.3	1.1	0.8
12	0	0.1	7.8	4.3	5.7	3.1	1.0	4.9	2.5	1.3	1.1	0.8
13	0	0.1	4.4	6.7	5.1	2.9	1.0	4.7	2.5	1.3	1.1	0.6
14	0	0.1	2.5	2.8	5.1	2.5	1.0	4.7	2.5	1.3	1.0	0.5
15	0	0.2	1.6	6.7	4.9	3.8	9.8	4.9	2.6	1.3	0.9	0.5
16	0	0.2	1.4	34.8	4.9	10.7	9.2	4.7	2.5	1.3	0.9	0.4
17	0	0.2	1.3	10.9	4.7	6.4	8.7	4.4	2.3	1.3	0.8	0.4
18	0	0.2	1.1	17.6	4.6	4.8	8.5	4.2	2.3	1.2	0.8	0.4
19	0	0.5	1.8	7.3	4.4	3.9	9.2	4.1	2.2	1.1	0.8	0.5
20	0	5.5	1.4	4.8	4.4	3.9	8.0	4.1	2.5	1.1	0.8	0.8
21	0	2.0	1.2	3.2	4.1	2.9	7.6	3.9	2.6	1.1	0.8	0.6
22	0	1.1	1.1	2.3	3.9	2.6	7.1	3.9	2.5	1.2	0.7	0.5
23	0	0.9	1.0	1.9	3.6	2.3	6.9	3.9	2.5	1.2	0.6	0.5
24	0	0.9	0.9	1.7	3.6	2.1	6.7	3.8	2.5	1.2	0.6	0.5
25	0	0.8	0.9	2.2	3.3	2.0	9.0	3.8	2.6	1.1	0.5	0.5
26	0	0.8	0.8	1.8	3.2	1.8	8.5	3.8	2.7	1.1	0.5	0.5
27	0	0.8	0.8	1.5	2.9	1.7	7.8	3.6	2.6	1.1	0.5	0.6
28	0	0.8	0.8	1.3	2.9	1.5	7.8	3.5	2.5	1.1	0.5	0.6
29	0	0.8	0.8	1.1	1.1	1.3	8.0	3.5	2.5	1.1	0.5	0.6
30	0	0.8	0.8	1.0	1.0	1.3	7.8	3.5	2.2	1.1	0.5	0.5
31	0	0.8	2.2	1.0	1.0	1.3	7.8	3.8	2.2	1.1	0.5	0.5
	0		185.1		158.7		290.9		31.2		24.6	
		17.4		1194.8		890.1		150.1		41.7		15.0
MEAN	0	0.58	5.97	38.5	5.47	28.7	9.70	4.84	2.71	1.35	0.79	0.50
ACRE- FEET	0	35.	367.	2370.	315.	1770.	577.	298.	161.	83.	49.	30.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	2.72 60.1

FD742 Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U7-R

Daily discharge, in second-feet of FISH CREEK above Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	1.8	3.5	1.6	2.1	1.1	1.0	0.7	0.2	0	0
2	0.4	0.7	1.5	2.9	1.6	1.8	1.1	0.8	0.7	0.1	0	0
3	0.4	0.5	4.4	2.6	1.7	1.5	1.1	0.8	0.6	0.1	0	0
4	0.4	0.5	3.2	2.2	1.7	1.4	1.1	0.7	0.6	0.1	0	0
5	0.4	0.4	2.6	2.0	1.7	1.3	1.1	0.6	0.6	0.1	0	0
6	0.4	0.4	2.6	2.7	1.7	1.1	1.2	0.6	0.8	0.1	0	0
7	0.5	0.5	2.3	7.9	1.7	1.0	1.1	0.7	0.9	0.1	0	0
8	0.5	2.0	2.2	5.3	1.7	1.0	1.1	0.8	0.9	0.1	0	0
9	0.5	1.0	2.0	4.2	1.7	0.9	1.0	0.7	0.8	0	0	0
10	0.5	0.9	1.8	3.6	1.7	0.9	1.0	0.6	0.7	0	0	0
11	0.5	0.9	1.6	3.2	1.7	0.9	1.0	0.5	0.5	0	0	0
12	0.5	0.9	1.6	2.9	1.7	1.2	0.9	0.5	0.5	0	0	0
13	0.5	0.9	1.5	3.8	1.5	1.1	0.9	0.6	0.4	0	0	0
14	0.5	3.6	1.4	3.8	1.4	1.0	0.9	0.6	0.4	0	0	0
15	0.5	8.9	1.4	3.2	1.4	0.9	0.9	0.7	0.4	0	0	0
16	0.5	6.0	1.4	2.9	1.3	0.8	0.9	0.8	0.5	0	0	0
17	0.5	2.6	1.3	2.6	1.3	0.8	0.9	0.8	0.6	0	0	0
18	0.5	1.8	1.3	2.6	1.2	0.8	0.9	0.8	0.6	0	0	0
19	0.5	1.6	1.3	2.6	1.2	1.1	0.9	0.7	0.7	0	0	0
20	0.5	1.6	8.2	2.6	1.2	2.1	1.2	0.8	0.6	0	0	0
21	0.5	1.5	3.6	2.3	1.0	1.7	1.3	0.8	0.5	0	0	0
22	0.6	1.7	2.5	2.1	1.0	1.4	1.1	0.7	0.4	0	0	0
23	0.5	1.7	2.0	2.0	1.6	1.2	1.1	0.7	0.3	0	0	0
24	0.5	1.3	1.7	1.8	1.3	1.1	1.1	0.7	0.2	0	0	0
25	0.5	1.4	1.5	1.8	1.1	1.2	1.1	0.7	0.2	0	0	0
26	0.5	1.5	1.4	1.7	1.1	1.3	1.0	0.7	0.2	0	0	0
27	0.5	1.5	1.4	1.7	1.1	1.3	1.0	0.7	0.2	0	0	0
28	0.5	1.4	3.2	1.6	1.1	1.2	1.1	0.7	0.2	0	0	0
29	0.4	1.5	2.2	1.6	1.1	1.2	1.1	0.7	0.2	0	0	0
30	0.5	2.2	3.3	1.6	1.1	1.2	1.1	0.7	0.2	0	0	0
31	0.6	4.9	4.9	1.6	1.1	1.2	1.1	0.7	0.2	0	0	0
	15.0		102.8		40.0		33.6		15.1		0	0
		52.0		86.8		41.6		21.9		0.8		
MEAN	0.48	1.73	3.32	2.80	1.43	1.34	1.12	0.71	0.50	0.03	0	0
ACRE- FEET	30	103	204	172	79	83	67	43	30	1.6	0	0
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	1.12 813

STATION U12-R
HAINES CREEK above Mouth of Canyon

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

DRAINAGE AREA: 1.2 SQUARE MILES.

RECORDS AVAILABLE: FEBRUARY 1917 TO SEPTEMBER 1934, OCTOBER 1935 TO SEPTEMBER 30, 1953.

AVERAGE DISCHARGE: 35 YEARS, 0.15 SECOND-FOOT.

EXTREMES:

1951-52
MAXIMUM DISCHARGE 89 SECOND-FOET JAN 15. (GAGE HEIGHT 3.50 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW PART OF YEAR.
1952-53
MAXIMUM DISCHARGE 11 SECOND-FOET DECEMBER 1. (GAGE HEIGHT 2.13 FEET.)
MINIMUM DAILY DISCHARGE NO FLOW DURING MOST OF YEAR.
1917-34, 1935-53
MAXIMUM DISCHARGE OF RECORD 265 SECOND-FOET MARCH 2, 1938. (GAGE HEIGHT 4.60 FEET.)
MINIMUM DISCHARGE NO FLOW AT TIMES DURING MANY YEARS.

REMARKS:

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

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

DISCHARGE MEASUREMENTS OF HAINES CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 52

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. INCH	METH. NO.	S. FT. CHANGE TOTAL	METER NO.
592	1-16		USGS	3.9	0.76	3.71	1.58	2.82	.5	10	0	
593	1-17		"	2.10	0.36	2.86	1.27	1.03	.5	11	+12	
594	1-24		"	2.3	0.77	1.27	1.29	0.98	.6	12	0	
595	2-8		"	2.5	0.84	0.54	1.17	0.45	.5	13	0	
596	2-14		"	2.5	0.79	0.49	1.20	0.39	.5	13	0	
597	2-20		"				1.15	0.20				
598	2-28		"				1.12	0.14				
599	3-11		"	3.5			1.18	0.23				
600	3-15		"	5.0	1.30	4.74	2.00	6.17	.5	10	0	
601	3-25		"	4.8	1.46	0.60	1.25	0.90	.5	13	+02	
602	4-7		"	4.8	1.13	0.42	1.21	0.46	.5	12	0	
603	4-14		"	3.4	0.59	0.92	1.20	0.54	.5	12	0	
604	4-21		"	2.4	0.48	0.81	1.17	0.39	.5	13	0	
605	4-29		"	2.2	0.34	0.97	1.17	0.38	.5	12	0	
606	5-5		"	2.1	0.43	0.60	1.15	0.26	.5	12	0	
607	5-12		"				1.12	0.14				
608	5-26		"				1.08	0.09				
609	6-9		"				1.06	0.05				
610	6-23		"				1.04	0.02				
611	6-30		"				1.02	0.004				
612	7-14		"				1.02	0.001			0	
613	7-23		"				1.02	0.001				
614	8-13		"				1.02	0.01				
615	9-9		"				1.02	0.001				
616	9-30		"				1.02	0.01				

DISCHARGE MEASUREMENTS OF HAINES CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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. INCH	METH. NO.	S. FT. CHANGE TOTAL	METER NO.
617	10-15		USGS				1.01	0.001			EST.	
618	10-30		"				1.05	0.01				
619	11-12		"				1.05	0.01				
620	12-1		"				0.99	0.001				
621	12-8		"				1.12	0.001				
622	12-18		"				1.14	0.01				
623	12-30		"				1.14	0.01				
624	1-14		"				1.15	0.01				
625	1-29		"				1.16	0.02				
626	2-16		"				1.18	0.02				
627	2-28		"				1.16	0.02				
628	3-13		"				1.16	0.02				
629	3-31		"				1.17	0.02				
630	4-15		"				1.16	0.02				
631	4-30		"				1.17	0.03				
632	5-15		"				1.16	0.02				
633	5-29		"				1.16	0.02				
634	6-13		"				1.03	0.02				
635	7-1		"				1.04	0.02				

FD-144 Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.5	0.2	0.6	0.4	0.1	0	0	0
2	0	0	0	0	0.5	0.1	0.6	0.3	0.1	0	0	0
3	0	0	0	0	0.5	0.1	0.6	0.3	0.1	0	0	0
4	0	0	0	0	0.5	0.1	0.5	0.2	0.1	0	0	0
5	0	0	0	0	0.5	0.1	0.5	0.2	0.1	0	0	0
6	0	0	0	0	0.5	0.1	0.5	0.2	0.1	0	0	0
7	0	0	0	0	0.5	1.4	0.8	0.2	0.1	0	0	0
8	0	0	0	0	0.5	0.5	0.7	0.2	0.1	0	0	0
9	0	0	0	0	0.4	0.3	0.6	0.1	0.1	0	0	0
10	0	0	0	0	0.5	0.3	0.6	0.1	0.1	0	0	0
11	0	0	0	0	0.4	0.3	0.6	0.1	0.1	0	0	0
12	0	0	0	0.5	0.4	0.3	0.6	0.1	0.1	0	0	0
13	0	0	0	0	0.4	0.3	0.6	0.1	0.1	0	0	0
14	0	0	0	0	0.4	0.3	0.5	0.1	0.1	0	0	0
15	0	0	0	2.7	0.4	4.3	0.5	0.1	0.1	0	0	0
16	0	0	0	7.0	0.3	4.5	0.4	0.1	0	0	0	0
17	0	0	0	3.5	0.3	2.8	0.4	0.1	0	0	0	0
18	0	0	0	1.2	0.2	2.5	0.4	0.1	0	0	0	0
19	0	0	0	2.8	0.2	2.3	0.4	0.1	0	0	0	0
20	0	0	0	2.2	0.2	2.0	0.4	0.1	0	0	0	0
21	0	0	0	1.5	0.2	1.7	0.4	0.1	0	0	0	0
22	0	0	0	1.0	0.2	1.5	0.4	0.1	0	0	0	0
23	0	0	0	1.0	0.2	1.3	0.4	0.1	0	0	0	0
24	0	0	0	1.0	0.2	1.1	0.4	0.1	0	0	0	0
25	0	0	0	1.0	0.2	0.9	0.5	0.1	0	0	0	0
26	0	0	0	0.8	0.2	0.9	0.5	0.1	0	0	0	0
27	0	0	0	0.6	0.2	0.9	0.4	0.1	0	0	0	0
28	0	0	0	0.6	0.2	0.8	0.4	0.1	0	0	0	0
29	0	0	0	0.5	0.2	0.7	0.4	0.1	0	0	0	0
30	0	0	0	0.5	0.2	0.7	0.4	0.1	0	0	0	0
31	0	0	0	0.5	0.2	0.7	0.4	0.1	0	0	0	0
	0	0	0		9.9		15.0		1.4		0	0

				39.7		33.8		4.4		0		
MEAN	0	0	0	1.28	0.34	1.09	0.50	0.14	0.05	0	0	0
ACRE- FEET	0	0	0	79.	20.	67.	30.	8.7	2.8	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES- FEET 0.28 208.

FD-144 Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U12-R

Daily discharge, in second-feet of HAINES CREEK above Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.3	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0.3	0	0	0	0	0	0	0	0	0

MEAN	0	0	0.01	0	0	0	0	0	0	0	0	0
ACRE- FEET	0	0	0.6	0	0	0	0	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES- FEET 0.001 0.6

STATION F287-R
LA TUNA CREEK at Belmont Country Club

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

DRAINAGE AREA: 5.1 SQUARE MILES.

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

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

RECORDER: INSTALLED MARCH 13, 1946 OVER A 21-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L WEEKLY RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO OCTOBER 15, 1952. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 15, 1952 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: MARCH 13, 1946 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 656 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 24 SECOND-FEET DECEMBER 20.
MINIMUM NO FLOW MOST OF YEAR.

1946-53
MAXIMUM DISCHARGE OF RECORD 656 SECOND-FEET JANUARY 16, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LA TUNA CREEK
AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN SEC. NO.	R. BY CHANGE TOTAL	METER NO.	
14	1-12	2032 2036	TURNER-ROGERS	17.0	10.4	2.98	3.44	31.0			.6	9	0	FC43
15	1-13	0954 1000	"	7.0	2.34	2.65	3.03	6.2			.6	8	0	"
16	1-14	1401 1407	"	5.5	1.50	0.87	2.84	1.3			.6	7	0	"
17	1-15	1950 2000	"	16.5	8.58	3.25	3.52	27.9			.6	10	0	"
18	1-16	1146 1155	"	15.5	5.99	4.84	3.38	29.0			.6	9	0	"
19	1-17	1832 1837	"	26.0	21.2	9.48	3.90	201			.6	7	0	"
20	1-19	0907 0913	"	14.0	5.46	2.71	3.16	14.8			.6	8	0	"
21	1-21	1652 1658	TURNER	11.0	2.70	1.41	2.94	3.8			.6	7	0	"
22	1-25	0852 0900	TURNER-HYDE	12.0	2.15	1.07	2.92	2.3			.5	8	0	"
23	1-30	0919 0925	TURNER	4.5	0.74	0.74	2.78	0.55			.5	6	0	"
24	3-7	1457 1457	TURNER-ROGERS	13.5	4.47	2.53	3.14	11.3			.6	8	0	"
25	3-10	1532 1532	TURNER	12.5	2.46	1.59	3.03	3.9			.6	9	0	"
26	3-15	1742 1748	TURNER-ROGERS	18.0	15.2	6.84	3.70	104			.6	7	0	"
27	3-18	1532 1532	TURNER	13.0	6.51	1.60	3.05	10.4			.6	10	0	"
28	3-26	1412 1412	"	8.5	2.24	1.21	2.70	2.7			.5	7	0	"
29	4-2	0930 0937	"	4.0	1.10	1.18	2.61	1.3			.6	6	0	"
30	4-9	1051 1057	"	5.0	1.72	0.64	2.60	1.1			.6	6	0	"
31	4-16	0834 0840	"	4.5	1.27	0.49	2.52	0.62			.6	6	0	"
32	4-23	1045 1055	"	2.8	0.77	0.56	2.48	0.43			.5	6	0	"
33	4-30	1417 1423	"	2.0	0.26	1.00	2.48	0.26			.5	5	0	"

DISCHARGE MEASUREMENTS OF LA TUNA CREEK
AT Belmont Country Club DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN SEC. NO.	R. BY CHANGE TOTAL	METER NO.	
34	11-15	1551 1554	TURNER-ROGERS	1.5	1.23	0.72	2.74	0.88			.6	4	0	FC43
35	1-7	0855 0900	TURNER	2.3	0.46	0.48	2.68	0.22			.6	5	0	"

7675M F. C. Dist. 22 4-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F227-12

Daily discharge, in second-feet of LA TUNA CREEK at Belmont Country Club for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0.5	+	1.4	0.2				
2	0	0	0	0	0.4	0	1.4	0.2				
3	0	0	0	0	0.4	0	1.2	0.1				
4	0	0	0	0	0.3	0	1.2	0.1				
5	0	0	0	0	0.3	0	1.2	0.1				
6	0	0	0	0	0.2	+	1.2	0.1				
7	0	0	0	0	0.1	9.8	9.0	+				
8	0	0	0	0	0.1	3.0	7.5	+				
9	0	0	0	0	+	0.6	1.1	+				
10	0	0	0	0	0	2.0	2.7	+				
11	0	0	0	0	0	1.6	2.4	0				
12	0	0	0	5.4	0	1.5	1.0	0				
13	0	0	0	6.3	0	1.4	0.9	0				
14	0	0	0	1.5	0	1.4	0.8	0				
15	0	0	0	2.8	0	6.1	0.7	0				
16	0	0	0	0	0	6.1	0.6	0				
17	0	0	0	8.9	0	1.7	0.6	0				
18	0	0	0	1.7	0	1.1	0.6	0				
19	0	0	0	1.4	0	7.8	0.7	0				
20	0	0	0	5.4	0	6.0	0.5	0				
21	0	0	0	4.2	0	4.4	0.5	0				
22	0	0	0	2.0	0	3.3	0.4	0				
23	0	0	0	1.4	0	3.0	0.4	0				
24	0	0	0	1.8	0	3.0	1.1	0				
25	0	0	0	1.2	0	3.0	0.7	0				
26	0	0	0	0.8	0	2.2	0.4	0				
27	0	0	0	0.6	0	2.0	0.3	0				
28	0	0	0	0.4	+	1.7	0.3	0				
29	0	0	0	0.4		1.6	0.3	0				
30	0	0	0	0.5		1.5	0.3	0				
31	0	0	0	0.5		1.5	0.3	0				
	0	0	0	2.3	4.1	7						

MEAN	0	0	0	12.4	7.08	6.96	1.39	1.03	0	0	0	0
ACRE- FEET	0	0	0	761.	4.6	428.	23.	1.6	0	0	0	0
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR OR PERIOD MEAN ACRE-FEET 1.76 1290.											

7675M Cds 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

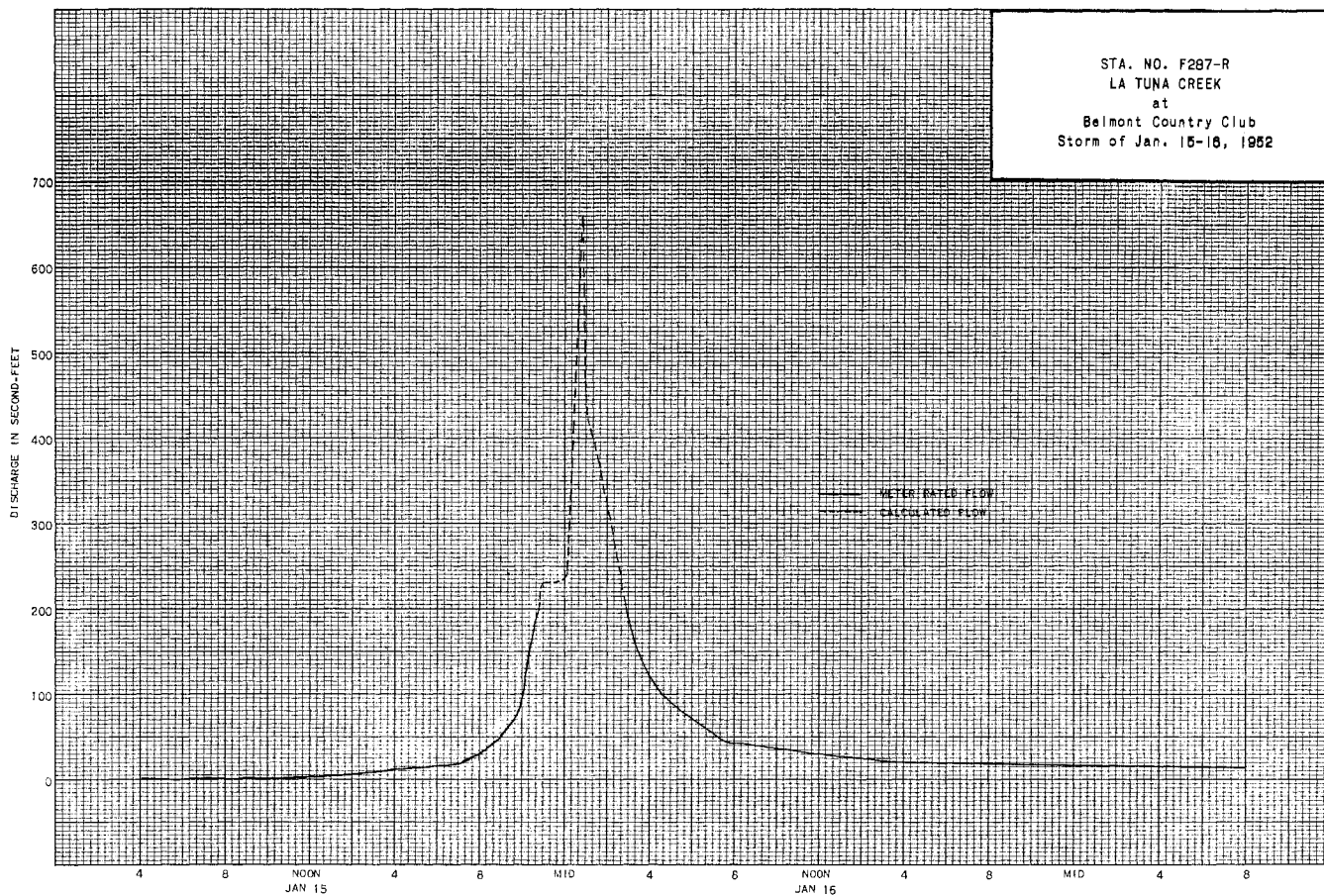
Sta. No. F227-2

Daily discharge, in second-feet of LA TUNA CREEK at Belmont Country Club for the year ending September 30, 19 53

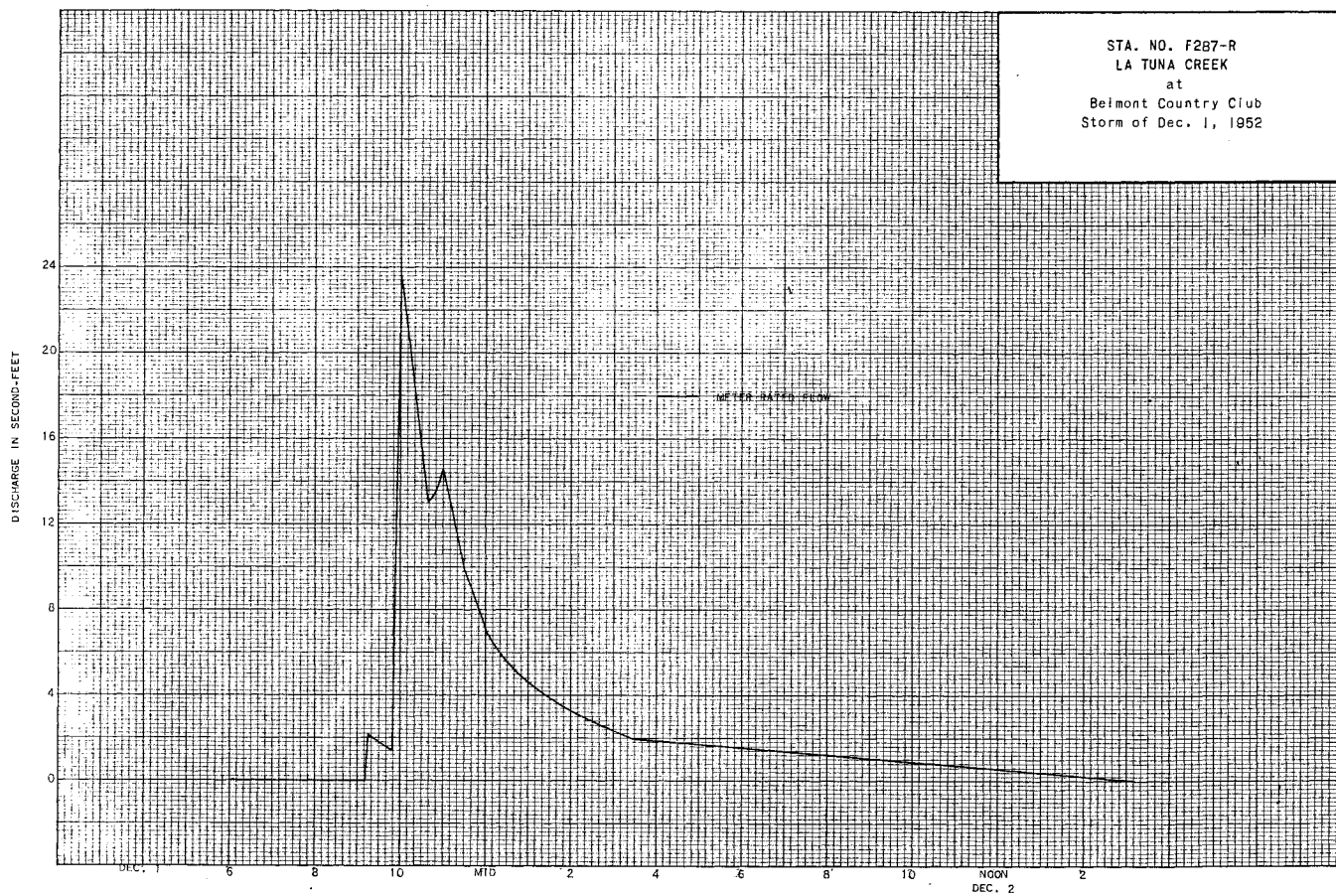
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.3	0.2	0	0	0	0	0	0	0	0
2	0	0	1.3	0.1	0	0	0	0	0	0	0	0
3	0	0	0.1	+	0	0	0	0	0	0	0	0
4	0	0	0	+	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	+	0	0	0	0	0	0	0	0
7	0	0	0	0.2	0	0	0	0	0	0	0	0
8	0	0	0	0.1	0	0	0	0	0	0	0	0
9	0	0	0	+	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	+	0	0	0	0	0	0	0	0
14	0	0	0	+	0	0	0	0	0	0	0	0
15	0	0.7	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	3.8	0	0	0	0	0	0	0	0	0
21	0	0	0.8	0	0	0	0	0	0	0	0	0
22	0	0	+	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0.2	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0.3	0	0	0	0	0	0	0	0	0
31	0	0	0.4	0	0	0	0	0	0	0	0	0
	0	0.7	7.7	0.6	0	0	0	0	0	0	0	0

MEAN	0	.023	0.25	.019	0	0	0	0	0	0	0	0
ACRE- FEET	0	1.4	15.	1.2	0	0	0	0	0	0	0	0
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR OR PERIOD MEAN ACRE-FEET .025 18.											

STA. NO. F287-R
 LA TUNA CREEK
 at
 Belmont Country Club
 Storm of Jan. 15-16, 1952



STA. NO. F287-R
 LA TUNA CREEK
 at
 Belmont Country Club
 Storm of Dec. 1, 1952



STATION F149-R
LIMEKILN WASH at Devonshire Avenue

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

DRAINAGE AREA: 3.8 SQUARE MILES.

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

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

RECORDER: INSTALLED NOVEMBER 9, 1939. MOVED TO UPSTREAM SIDE OF BRIDGE NOVEMBER 30, 1943 OVER A 12-INCH IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

RECORDS AVAILABLE: NOVEMBER 9, 1939 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 823 SECOND-FEET JANUARY 15.
MINIMUM NO FLOW PART OF YEAR.
1952-53
MAXIMUM 199 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW PART OF YEAR.
1936-53
MAXIMUM 823 SECOND-FEET JANUARY 15, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LIMEKILN WASH
AT Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

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. DD	MEAN. SEC. NO.	Q. CH. CHANGE TOTAL	METER NO.	
131	11-20	1213	TURNER-SPENCER	7.0	0.79	0.92	0.27	0.73		SURF.	6	0	FC43	
132	12-4	2244 2250	TURNER	7.0	2.09	4.78	0.50	10.0			5	3	0	"
133	12-5	1430	SPENCER	7.0	0.50	1.32	0.16	0.66		FLOATS	10	0		
134	12-29	1889	TURNER-THOMAS	7.0	9.80	8.69	1.84	85.2			6	5	- .05	FC43
135	12-30	1815	THOMAS-TURNER	7.0	1.86	3.39	0.35	6.3			5	4	- .01	"
136	1-12	1434	TURNER-ROGERS	7.0	2.80	2.79	0.50	7.8			6	5	+ .28	"
137	1-14	1932 1937	"	2.8	0.22	0.95	0.24	0.21			5	4	0	"
138	1-15	1808	"	TWO CHANNELS			2.0	82.0			6	9	0	"
139	1-16	1542	TURNER	4.5	1.33	3.38	0.63	4.5			5	6	0	"
140	1-18	1104	TURNER-ROGERS	5.0	2.41	3.56	0.86	8.6			6	6	- .01	"
141	3-7	9320 9325	"	7.0	3.52	4.40	0.78	15.5			6	6	0	"
142	3-10	1700	TURNER	5.3	1.39	2.66	0.58	3.7			5	6	0	"
143	3-15	1155	TURNER-ROGERS	TWO CHANNELS			2.67	170		FLOATS	2	- .15		
144	3-15	2242	"	7.0	7.00	6.17	1.00	25.9		FLOATS		0		
145	3-16	1808	"	5.3	1.43	3.15	0.58	4.5			6	8	0	FC43
146	3-18	1254 1257	TURNER	4.0	0.62	3.06	0.60	1.9			5	5	0	FC29
147	3-19	1225 1230	"	2.5	0.27	2.15	0.44	0.58			5	5	0	"

DISCHARGE MEASUREMENTS OF LIMEKILN WASH
AT Devonshire Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1953

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. DD	MEAN. SEC. NO.	Q. CH. CHANGE TOTAL	METER NO.	
148	11-14	1445 1450	THOMAS-TURNER	3.0	0.28	0.61	0.41	0.17			5	4	- .02	FC43
149	11-14	1454 1500	"	7.0	1.14	1.23	0.52	1.4			5	4	- .05	"
150	11-15	1406 1412	TURNER	3.5	0.71	1.10	0.53	0.78			5	6	0	"
151	12-20	0840 0845	"	7.0	1.65	2.85	1.28	4.7			6	6	0	"
152	1-21	0855 0858	"	0.8	0.04	0.75	0.98	0.03		FLOAT	3	0		
153	3-9	1215 1221	BLAKELY	1.5	0.20	0.75	1.02	0.15			5	5	0	FC24
154	4-27	2123 2127	"	9.0	2.15	3.07	1.41	6.6			5	6	- .01	"

FD-10 (Rev. 7-16-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F140-R

Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Avenue for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.1	1.8	0							
2	0.4	+	+	0	0	0	+	0				+
3	0.4	+	0	0	0	0	0.3	0				+
4	0.8	+	0.8	0	0	0	0.1	0				+
5	0.9	+	3.4	0	0	0	+	0				+
6	+	+	+	0	+	3.0	1	0				+
7	+	+	+	0	+	0.2	1.4	0				+
8	+	+	+	0	0.4	0	0	0				+
9	+	0	0	0	0.3	0	0	0				+
10	+	0	0	0	0	0.9	0	0				+
11	+	0	+	0	0	0	0	0				+
12	+	0	2.2	2.1	0	0	0	0				+
13	+	0	0	0.3	0	0	0	0				+
14	+	0	0	0.1	0	0	0	0				+
15	+	0	0	1	0	0	0	0				+
16	+	0	0	0	0	0	0	0				+
17	+	0	0	0	0	0	0	0				+
18	+	0	0	0	0	0	0	0				+
19	+	0	0	0	0	0	0	0				+
20	+	0	0	0	0	0	0	0				+
21	+	0	0	0	0	0	0	0				+
22	+	0	0	0	0	0	0	0				+
23	+	0	0	0	0	0	0	0				+
24	+	0	0	0	0	0	0	0				+
25	+	0	0	0	0	0	0	0				+
26	+	0	0	0	0	0	0	0				+
27	+	0	0	0	0	0	0	0				+
28	+	0	0	0	0	0	0	0				+
29	+	0	1.5	0	1.5	0	0	0				+
30	+	0	7	0	0	0	0	0				+
31	+	0	3.5	0	0	0	0	0				+
	2.5		32.5	26.1	2.2	118.8	15.2	0				+
MEAN	0.08	0.03	1.05	8.34	0.08	3.83	0.21	0	0	0	0	+
MAX	5.	1.8	6.	51.6	4.4	24.	30.	7	0	0	0	+

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

YEAR OR PERIOD MEAN ACRES-FEET 1.18 257.

FD-10 (Rev. 7-16-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

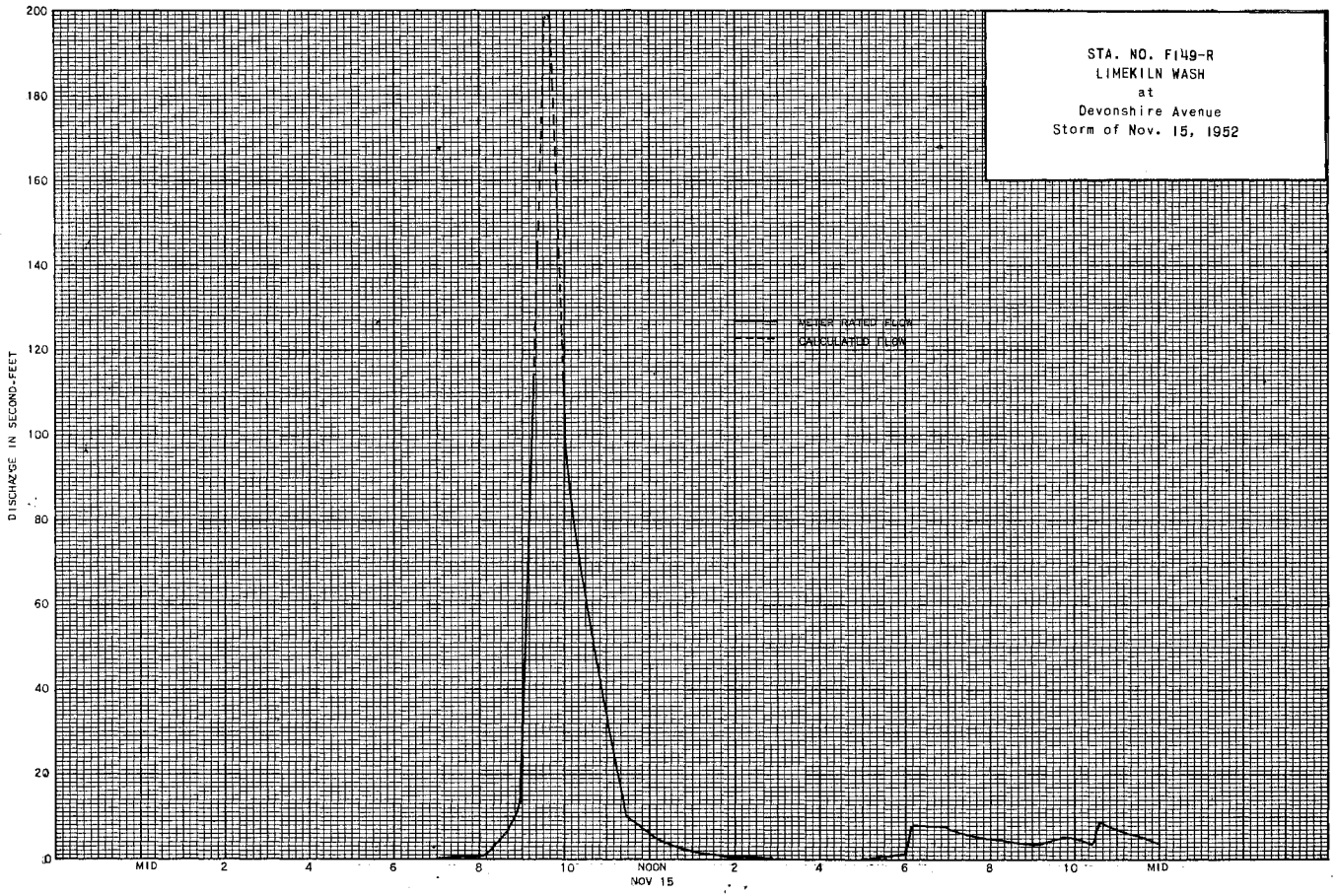
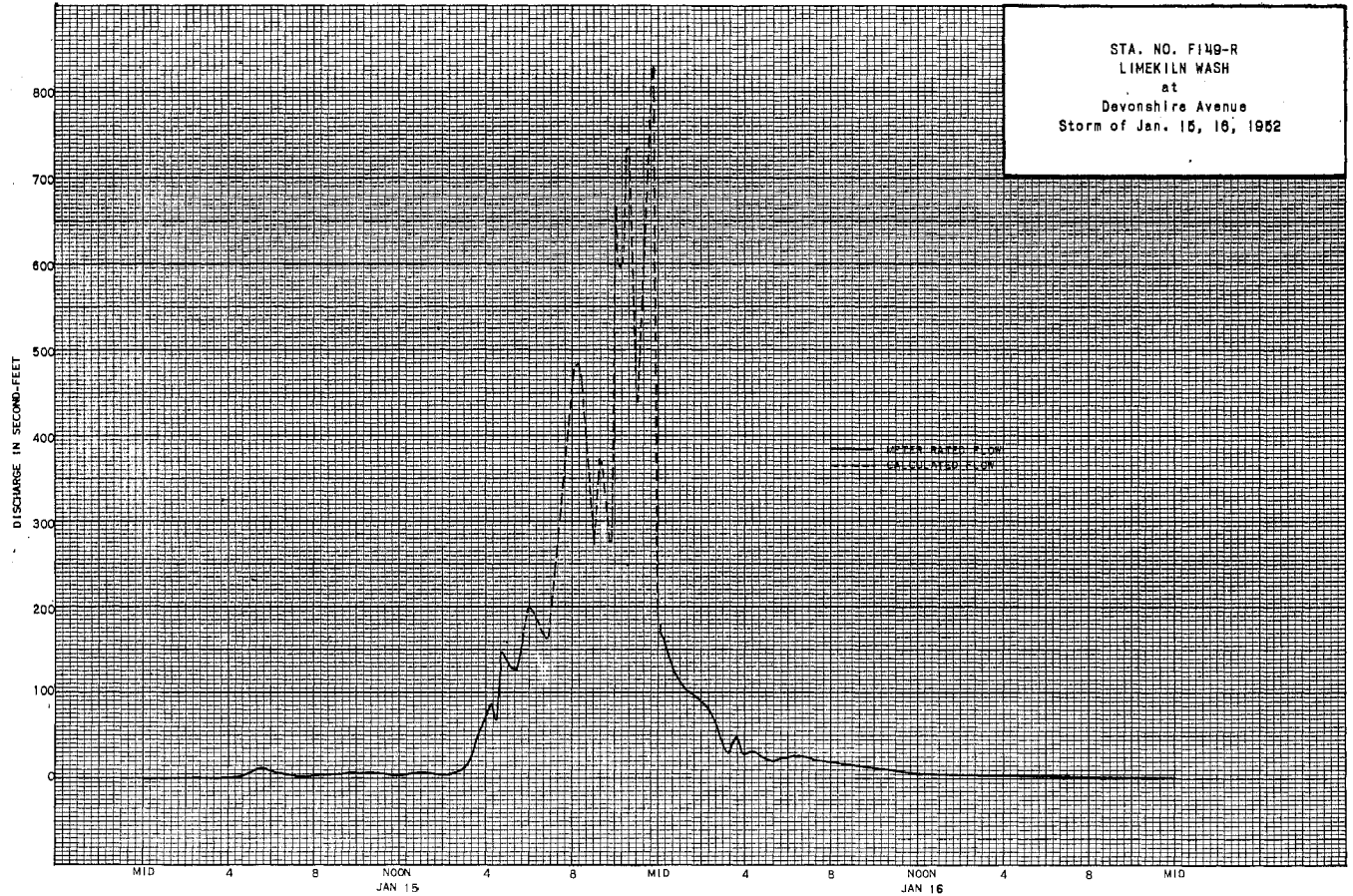
Sta. No. F149-R

Daily discharge, in second-feet of LIMEKILN WASH at Devonshire Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	6.5	0	0	0	0	0	0	0	0.4	0.5
2	+	0	0	0	0	0	0	0	0	0.1	0	0.4
3	+	0	0	0	0	+	+	0	0	0.3	0	0
4	+	0	0	0	0	0.9	+	0	0	1.0	0.3	0
5	0	0	0	0	0	1.0	+	+	0	0.4	0.6	0
6	0	0	0	0.5	0	0	+	0	0	0	0.1	0
7	0	0	0	+	0	0	+	0.1	+	0.1	0.9	0
8	0	0	0	1.4	0	0	+	0	+	0.1	0	0
9	0	0	0	0	0	0	+	0	+	0.2	0	0
10	0	0	0	0	0	0	+	0	+	0	0	0
11	0	0	0	0	0	0	0	0	0	0.4	0	0
12	0	0	0	0	0	0	+	0	0	0	0	0
13	0	0	0	0.7	0	0	0.4	0	0	0	0	0
14	0	0.9	0	0	0	+	0.3	0	0	0	0	0
15	0	11.1	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	0.4	+	+	0	0.4	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	0.5	0	0	0	0	0	0	0	0.1	0	0
25	0	0.5	0	0	0	0	0	0	0	0.4	0	0
26	0	0	0	0	0	0	0	0	0	0.4	0	0
27	0	0	0	0	0	0	4.2	0	0	0.7	0.1	0
28	+	0	1.3	0	0	0	1.5	0	0	0	0.5	0.1
29	+	0	0	0	0	0	0.4	0	0	0	0	0
30	+	0	2.0	0	0	0	0.4	0	0	0.2	0.3	0
31	+	0	0	0	0	0	0	0	0	0.5	0	0
	1.0	12.8	16.5	2.6	+	1.9	8.4	0.1	1.9	4.2	3.6	1.0
MEAN	.032	0.43	0.53	0.08	+	0.06	0.28	+	0.06	0.14	0.12	0.03
MAX	2.0	25.	33.	5.2	+	3.8	17.	0.2	3.8	8.3	7.1	2.0

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

YEAR OR PERIOD MEAN ACRES-FEET 0.25 107.



STATION F65B-R
LITTLE DALTON CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'05", LONG. 117°50'17", ON THE LEFT (EAST) BANK ABOUT 120 FEET ABOVE GLENDORA MOUNTAIN ROAD CROSSING, 0.8 MILE ABOVE MOUTH OF CANYON AND ABOUT 3 MILES NORTHEAST OF GLENDORA, ELEVATION OF ZERO GAGE HEIGHT 1334.36.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL WITH WIRE MAT RIPRAP ON SIDES, CONTROL - RUBBLE AND CONCRETE CHECK IN CHANNEL BOTTOM.

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

RECORDER: INSTALLED JANUARY 1929 AT STATION F65-R AT MOUTH OF CANYON (DRAINAGE AREA 3.3 SQUARE MILES). REMOVED NOVEMBER 23, 1938. REINSTALLED NOVEMBER 30, 1938 AT STATION F65B-R OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE. GLENDORA IRRIGATING COMPANY DIVERTS BELOW STATION.

RECORDS AVAILABLE:

AT STATION F65-R - JANUARY 28, 1929 TO NOVEMBER 23, 1938,
AT STATION F65B-R - NOVEMBER 30, 1938 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 118 SECOND-FEET JANUARY 16,
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1952-53
MAXIMUM 12 SECOND-FEET DECEMBER 1,
MINIMUM NO FLOW FOR SEVERAL MONTHS.
1929-53
MAXIMUM 980 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INH	METH. NO.	MEAN DISCH. NO.	R. BY CHANGE TOTAL	METER NO.
523	12-29	0935 0938	STUNDEN	2.0	0.40	0.95	0.24	0.38	RODS	5	0		
524	12-29	1130 1135	"	2.0	0.64	1.72	-0.32	1.1	RODS	5	0		
525	12-29	2000 2005	STUNDEN-STEWART	7.0	1.80	2.61	0.50	4.7		5	0	FC36	
526	1-4	1500 1505	STUNDEN	2.0	0.40	1.40	0.25	0.56		5	5	FC50	
527	1-9	0950 1000	"	2.0	0.32	0.94	0.19	0.30		5	7	0	"
528	1-14	1635 1640	"	2.5	1.23	1.89	0.44	2.3		5	6	0	FC36
529	1-15	1848 1858	STUNDEN-CANAVAN	2.5	1.41	3.89	0.52	5.5		6	6	0	"
530	1-16	0945 0955	"	11.0	8.05	5.02	1.22	40.4		6	10	0	"
531	1-16	0200 0210	"	9.0	5.90	3.23	1.10	19.1		6	8	0	"
532	1-21	1810 1815	STUNDEN	8.5	3.46	1.37	0.60	4.7		5	7	0	"
533	1-25	1545 1555	"	7.0	3.26	1.16	0.51	3.8		6	8	0	"
534	2-1	1050 1100	"	7.0	2.88	0.73	0.42	2.1		5	5	-01	"
535	2-7	1540 1545	"	3.0	1.29	1.00	0.35	1.3		5	6	0	"
536	2-14	1425 1450	"	2.0	0.61	1.16	0.32	0.71		5	5	0	"
537	2-21	1612 1615	"	2.0	0.40	1.12	0.29	0.45		5	5	0	"
538	2-28	1620 1625	"	2.0	0.40	0.78	0.25	0.31		5	5	0	"
539	3-1	0850 1000	"	7.0	3.76	0.66	0.47	2.5		5	7	0	"
540	3-6	1505 1515	"	2.0	0.40	0.92	0.29	0.37		5	5	0	"
541	3-7	0815 0825	"	10.0	4.35	1.15	0.56	5.0		6	8	+03	"
542	3-7	1125 1130	STUNDEN-STEWART	11.0	6.35	2.13	0.64	13.5		6	8	0	"
543	3-13	1120 1125	STUNDEN	6.5	3.50	1.11	0.52	3.9		5	8	0	"
544	3-15	1730 1735	TREAT-STEWART	8.0	5.75	2.54	0.74	14.6		6	9	+01	FC28
545	3-21	1005 1015	STUNDEN-HYDE	7.5	4.60	1.41	0.63	6.5		6	8	0	FC36
546	3-27	1240 1250	STUNDEN	8.0	3.95	1.11	0.52	4.4		5	6	9	0
547	4-3	1445 1455	"	7.0	2.64	0.83	0.46	2.2		6	9	0	"
548	4-10	0935 0945	"	5.5	2.34	1.15	0.47	2.7		5	7	0	"
549	4-17	0915 0925	"	4.5	2.03	0.89	0.41	1.8		5	7	0	"
550	4-24	1445 1450	STUNDEN-BOBICK	5.5	1.94	0.62	0.38	1.2		5	7	0	"
551	5-1	1025 1030	STUNDEN	2.0	0.77	1.56	0.40	1.2		5	5	0	"
552	5-8	1000 1010	"	4.4	2.02	0.64	0.35	1.3		5	7	0	FC50
553	5-15	1445 1455	"	4.0	1.64	0.67	0.34	1.1		5	7	0	"
554	5-22	1520 1530	"	4.5	1.49	0.54	0.28	0.81		6	7	0	"
555	5-29	1635 1639	"	2.0	0.31	0.93	0.20	0.29		5	6	0	"
556	6-5	0945 0955	"	2.0	0.40	1.10	0.26	0.44		5	6	0	"
557	6-13	1015 1020	"	2.0	0.33	0.93	0.23	0.30		5	7	0	"
558	6-19	1615 1620	"	2.0	0.20	0.70	0.15	0.14		5	6	0	"
559	6-26	1015 1020	"	2.0	0.30	1.07	0.22	0.32		5	7	0	"
560	7-3	1530 1540	"	2.0	0.09	1.00	0.12	0.09	RODS	5	0		
561	7-10	1430 1435	"	2.0	0.06	0.83	0.08	0.05	RODS	5	0		
562	7-17	1730 1735	"	2.0	0.06	0.50	0.03	0.03	RODS	4	0		

DISCHARGE MEASUREMENTS OF LITTLE DALTON CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INH	METH. NO.	MEAN DISCH. NO.	R. BY CHANGE TOTAL	METER NO.
563	12-1	2330 2335	STUNDEN-WHISLER	10.0	4.60	2.78	0.71	12.8		6	10	+01	FC36
564	12-2	1090 1095	STUNDEN	2.0	0.77	2.08	0.38	1.6		FLOATS	5	0	
565	12-4	0921 0934	WHISLER	2.0	0.28	0.78	0.23	0.22		5	8	0	FC50
566	12-19	1200 1205	STUNDEN	2.0	0.08	0.62	0.16	0.05		FLOATS	5	0	
567	12-20	0905 0915	WHISLER-STUNDEN	6.9	1.45	1.17	0.45	1.7		5	8	-02	FC36
568	12-26	1440 1445	STUNDEN	2.0	0.13	0.61	0.18	0.08		FLOATS	5	0	
569	12-31	1350 1355	"	2.0	0.32	1.06	0.26	0.34		5	5	0	FC50
570	1-7	1215 1220	"	2.0	0.40	1.17	0.27	0.47		5	5	0	FC36
571	1-15	0920 0925	"	2.0	0.22	1.04	0.20	0.23		5	7	0	FC50
572	1-21	0945 0950	"	1.8	0.21	0.86	0.19	0.18		5	6	0	"
573	1-29	1510 1505	"	2.0	0.12	0.42	0.15	0.05		5	7	0	"
574	2-5	1020 1025	"	1.0	0.09	0.67	0.14	0.06		5	5	0	"
575	2-11	0930 0935	"	1.0	0.14	0.53	0.13	0.08		5	5	0	"
576	2-19	1445 1450	"	0.60	0.06	0.33	0.12	0.02		5	4	0	"
577	2-26	1350 1355	"	0.60	0.10	0.60	0.13	0.06		5	4	0	"
578	3-5	1235 1240	"	0.70	0.14	0.86	0.13	0.12		5	9	0	"
579	3-12	1500 1505	"	0.60	0.10	0.60	0.09	0.06		5	4	0	"
580	3-19	1405 1410	"	0.60	0.06	0.50	0.08	0.03		5	4	0	"
581	3-26	1340 1345	"	1.3	0.21	0.57	0.10	0.12		5	5	0	"
582	4-2	1450 1455	"	2.0	0.40	0.80	0.09	0.06		FLOATS	5	0	
583	4-9	1432 1437	"	2.0	0.05	1.00	0.06	0.05		"	5	0	
584	4-22	1510 1515	"	2.0	0.07	1.00	0.09	0.07		"	5	0	
585	4-30	1355 1400	"	2.0	0.07	1.00	0.11	0.07		"	6	0	

Form F. C. Div. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.0	2.0	1.7	3.2	1.1	0.5	0.5	0	0
2	0	0	0	1.4	2.2	0.7	2.8	0.8	0.5	0.3	0	0
3	0	0	0	0.8	2.4	0.5	2.4	0.8	0.4	0.2	0	0
4	0	0	0	0.5	2.4	0.5	2.2	0.7	0.3	0.1	0	0
5	0	0	0	0.5	2.2	0.4	2.4	0.7	0.5	0.2	0	0
6	0	0	0	0.3	1.9	0.4	2.6	0.8	0.5	0.2	0	0
7	0	0	0	0.9	1.5	9.5	3.5	1.0	0.5	0.1	0	0
8	0	0	0	0.3	1.4	9.0	3.4	1.2	0.3	0.1	0	0
9	0	0	0	0.3	1.5	6.5	2.8	1.1	0.3	0.1	0	0
10	0	0	0	0.2	1.4	7.4	2.8	1.1	0.3	0.1	0	0
11	0	0	0	0.2	1.4	6.5	2.6	1.0	0.3	+	0	0
12	0	0	0	1.6	1.1	5.4	2.4	1.1	0.2	+	0	0
13	0	0	0	5.4	1.0	4.3	2.2	1.0	0.2	+	0	0
14	0	0	0	2.8	0.7	4.0	2.0	1.0	0.1	+	0	0
15	0	0	0	3.9	0.7	9.2	1.9	1.0	0.2	+	0	0
16	0	0	0	4.5	0.7	14	1.7	1.1	0.2	+	0	0
17	0	0	0	2.2	0.7	11	1.5	0.8	0.2	+	0	0
18	0	0	0	1.7	0.6	9.7	1.5	0.7	0.2	+	0	0
19	0	0	0	1.2	0.6	8.1	1.7	1.1	0.3	+	0	0
20	0	0	0	8.1	0.6	7.1	1.7	1.0	0.2	+	0	0
21	0	0	0	5.4	0.5	6.2	1.6	0.8	0.2	+	0	0
22	0	0	0	4.0	0.5	5.4	1.5	1.1	0.2	+	0	0
23	0	0	0	3.0	0.5	5.1	1.4	0.8	0.2	+	0	0
24	0	0	0	2.4	0.5	4.8	1.2	0.6	0.3	+	0	0
25	0	0	0	3.8	0.4	4.6	2.6	0.6	0.3	+	0	0
26	0	0	0	3.0	0.3	4.6	2.2	0.5	0.3	+	0	0
27	0	0	0	3.0	0.3	4.3	1.2	0.5	0.3	+	0	0
28	0	0	0	2.8	0.3	4.0	1.5	0.5	0.3	+	0	0
29	0	0	0	2.6	0.3	3.6	1.5	0.5	0.3	0	0	0
30	0	0	0	2.4	1.0	3.6	1.2	0.5	0.3	+	0	0
31	0	0	0	2.2	3.4	3.4	1.2	0.5	0.3	+	0	0
0	0	0	15.2	31.3	63.2	9.7	0	0	0	0	0	0

MEAN	0	0	0.49	5.15	1.08	5.31	2.11	0.84	0.32	0.06	0	0
ACRE- FEET	0	0	30.	317.	62.	326.	125.	52.	19.	3.8	0	0

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

YEAR OR PERIOD MEAN 1.29
ACRE-FEET 935.

Form F. C. Div. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F65B-R

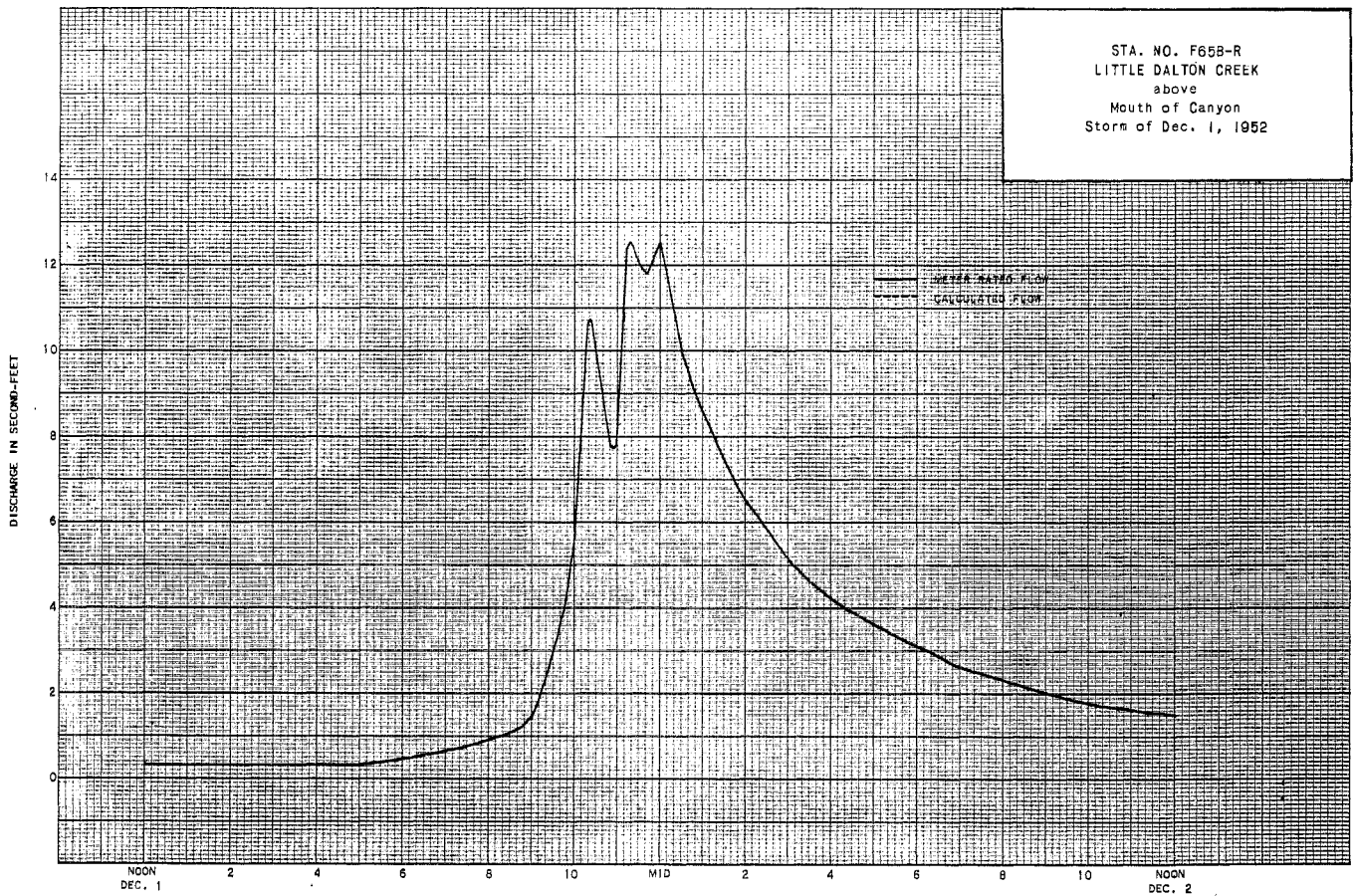
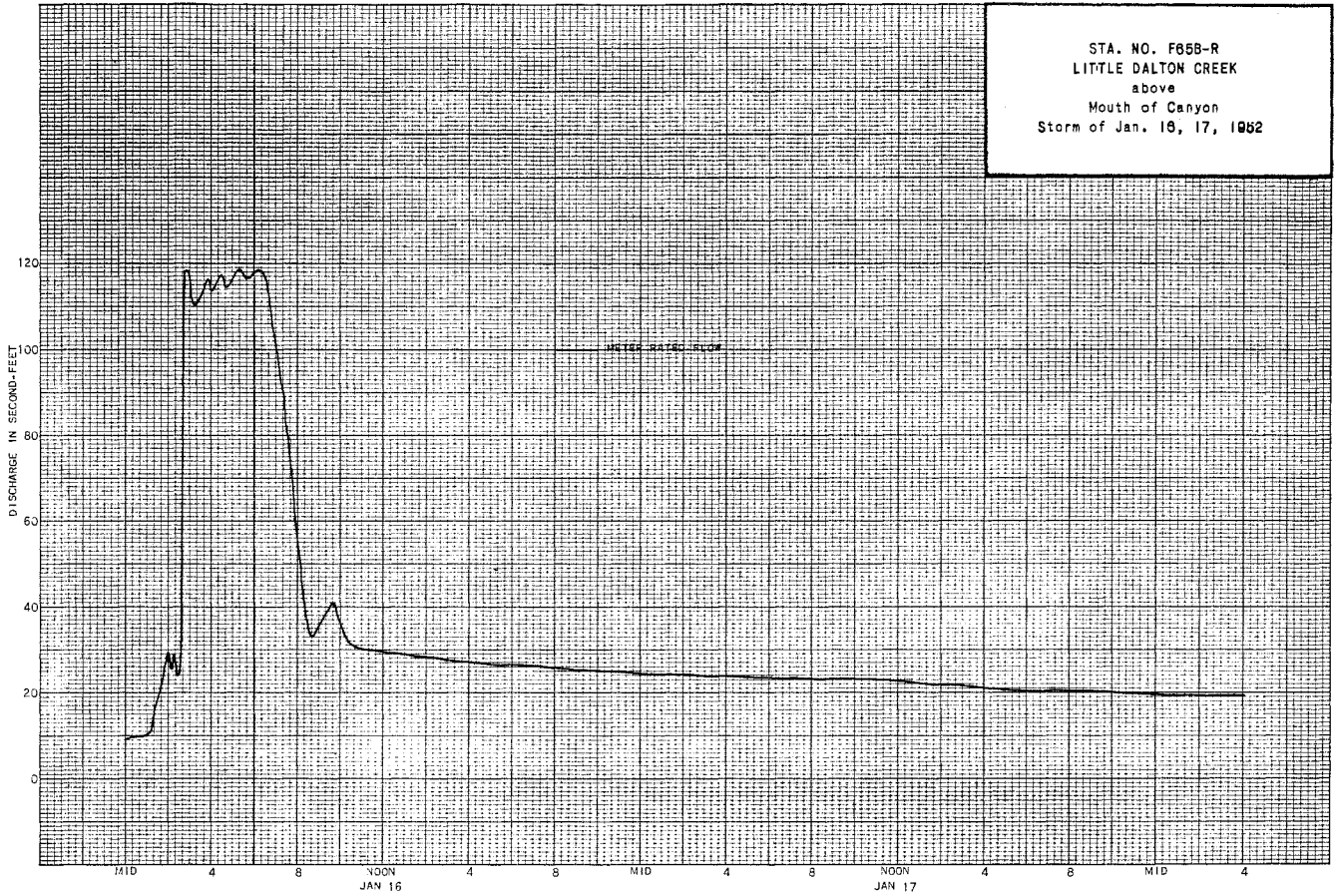
Daily discharge, in second-feet of LITTLE DALTON CREEK above Mouth of Canyon for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	1.4	0.2	0.1	0.3	0.1	0	0	0	0	0
2	0	0	2.5	0.1	0.1	0.2	0.1	+	0	0	0	0
3	0	0	0.4	0.1	0.1	0.1	0.1	+	0	0	0	0
4	0	0	0.2	0.1	0.1	0.1	0.1	+	0	0	0	0
5	0	0	0.1	0.1	0.1	0.1	0.1	+	0	0	0	0
6	0	0	0.1	0.2	0.1	0.1	0.1	+	0	0	0	0
7	0	0	0.1	0.9	0.5	0.1	0.1	+	0	0	0	0
8	0	0	+	0.3	0.2	0.1	0.1	+	0	0	0	0
9	0	0	+	0.3	0.1	0.1	0.1	+	0	0	0	0
10	0	0	+	0.2	0.1	0.1	0.1	+	0	0	0	0
11	0	0	+	0.2	0.1	0.1	0.1	+	0	0	0	0
12	0	0	+	0.1	0.1	0.1	0.1	+	0	0	0	0
13	0	0	+	0.5	0.1	0.1	0.1	0	0	0	0	0
14	0	0	+	0.4	0.1	+	0.1	0	0	0	0	0
15	0	0	+	0.3	0.1	+	+	0	0	0	0	0
16	0	0	+	0.2	0.1	+	+	0	0	0	0	0
17	0	0	+	0.2	+	+	0.1	0	0	0	0	0
18	0	0	+	0.2	+	+	0.1	0	0	0	0	0
19	0	0	0.1	0.2	+	1.6	0.1	0	0	0	0	0
20	0	0	1.1	0.2	+	1.2	0.1	0	0	0	0	0
21	0	0	0.2	0.2	+	0.3	0.1	0	0	0	0	0
22	0	0.1	0.1	0.2	+	0.1	0.1	0	0	0	0	0
23	0	0.2	0.1	0.1	0.2	0.1	0.1	0	0	0	0	0
24	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
25	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
26	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
27	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0
28	0	0.2	0.1	0.1	0.1	0.6	0.2	0	0	0	0	0
29	0	0.2	0.1	0.1	0.1	1.9	0.1	0	0	0	0	0
30	0	0.4	0.8	0.1	0.1	0.5	0.1	0	0	0	0	0
31	0	0	0.5	0.1	0.1	0.1	0.1	0	0	0	0	0
0	0	0	8.3	6.4	2.6	8.4	2.8	+	0	0	0	0

MEAN	0	0.05	0.27	0.21	0.09	0.27	0.09	+	0	0	0	0
ACRE- FEET	0	3.0	16.	13.	5.2	17.	5.6	+	0	0	0	0

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

YEAR OR PERIOD MEAN 0.82
ACRE-FEET 60.



STATION L1-R
LITTLE ROCK CREEK above Little Rock Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°27'50", LONG. 118°01'05", ON THE RIGHT (EAST) BANK ABOUT 2 MILES ABOVE LITTLE ROCK PALMDALE IRRIGATION DISTRICT'S DAM, APPROXIMATELY 1500 FEET UPSTREAM FROM SANTIAGO CREEK AND 5 MILES SOUTH OF LITTLE ROCK. ELEVATION OF GAGE ABOUT 3290 FEET.

DRAINAGE AREA: 49.2 SQUARE MILES.

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

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

RECORDER: INSTALLED SEPTEMBER 1930. WASHED OUT DURING MARCH 2, 1938 STORM. REINSTALLED MARCH 31, 1939. STATION DISMANTLED MAY 20, 1943 AND MOVED ABOUT 500 FEET UPSTREAM OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1951 TO FEBRUARY 18, 1953. AN AU RECORDER WAS IN SERVICE FROM FEBRUARY 18, 1953 TO MAY 27, 1953. A STEVENS A35 WAS IN SERVICE FROM MAY 27, 1953 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

RECORDS AVAILABLE: OCTOBER 1, 1930 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 502 SECOND-FEET DECEMBER 12.
MINIMUM NO FLOW OCTOBER AND MOST OF NOVEMBER.

1952-53
MAXIMUM 36 SECOND-FEET JANUARY 9.
MINIMUM NO FLOW AUGUST 27 TO SEPTEMBER 30.

1930-53
MAXIMUM 17000 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK
above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 52

DISCHARGE MEASUREMENTS OF LITTLE ROCK CREEK
above Little Rock Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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	HEAR- ING NO.	S. HT. CHARGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	HEAR- ING NO.	S. HT. CHARGE TOTAL	METER NO.
247	11-29	0900 0910	LUCE	TWO	CHANNELS	3.55	1.2	.6	12	0	FC41		274	10-8	0915 0921	LUCE	2.5	0.62	1.29	3.22	0.8	.5	6	0	FC41		
248	12-13	1310 1325	"	21.7	18.0	1.56	4.19	28.0	.6	18	0	"	275	10-22	1610 1615	"	2.5	0.52	0.94	3.20	0.49	.6	6	0	"		
249	12-26	1605 1615	"	20.5	4.51	0.73	3.58	3.3	.6	11	0	"	276	11-5	1055 1100	"	2.5	0.59	1.22	3.25	0.72	.6	6	0	"		
250	12-30	1390 1390	LUCE-BLAKE	TWO	CHANNELS	5.80	306.	.6	25	-06	FC39		277	11-22	1529 1530	"	10.5	3.76	0.90	3.62	3.4	.6	8	0	"		
251	1-3	1380 1390	LUCE	16.5	11.0	1.82	4.06	20.0	.6	12	0	"	278	12-3	1520 1530	"	13.5	6.60	1.06	3.76	7.0	.6	11	0	"		
252	1-10	1520 1530	"	14.5	8.67	1.05	3.80	9.1	.6	11	0	"	279	12-22	1620 1630	"	13.9	8.21	1.15	3.89	9.4	.6	11	0	"		
253	1-13	1600 1610	LUCE-BLAKE	18.6	21.3	2.40	4.49	51.2	.6	13	0	"	280	1-7	1615 1625	"	15.5	12.1	1.77	4.12	21.4	.6	13	0	"		
254	1-16	1525 1530	"	43.0	51.4	2.63	5.07	135.	.6	19	-01	"	281	1-14	1115 1119	HYDE-LUCE	15.5	12.8	1.88	4.15	24.0	.6	10	0	FC35		
255	1-23	1530 1530	"	17.5	16.9	2.16	4.33	36.5	.6	12	0	"	282	1-21	1245 1255	LUCE	14.0	8.64	1.34	3.91	11.6	.6	10	0	FC41		
256	2-7	0915 0930	LUCE	19.0	20.3	2.43	4.49	49.3	.6	14	0	"	283	1-29	1100 1106	TURNER-LUCE	13.9	7.59	1.08	3.60	8.2	.6	9	0	"		
257	2-13	1550 1605	"	17.5	16.8	2.11	4.31	35.5	.6	15	0	"	284	2-5	1020 1030	TURNER	14.0	7.15	1.03	3.75	7.4	.6	9	0	FC43		
258	2-27	1010 1020	"	15.5	12.8	1.83	4.16	23.4	.6	10	0	"	285	2-13	1016 1025	"	13.6	6.36	0.96	3.73	6.1	.6	8	0	"		
259	3-12	0935 0935	"	17.5	15.4	2.21	4.27	34.0	.6	14	0	FC41	286	2-19	0925 0935	"	13.6	6.28	0.89	3.72	5.6	.6	8	0	"		
260	3-20	0945 0955	"	20.5	18.7	3.65	4.85	68.2	.6	13	0	"	287	2-26	1000 1010	"	14.0	7.00	1.09	3.78	7.6	.6	8	0	"		
261	4-10	1045 1100	"	44.0	56.1	2.46	5.20	138.	.6	14	-01	"	288	3-5	0930 0940	"	13.8	6.67	1.05	3.75	7.0	.6	8	0	"		
262	4-25	0900 0915	"	42.0	52.4	2.35	5.08	123.	.6	17	0	"	289	3-12	1070 1070	"	13.8	7.11	1.10	3.77	7.8	.6	8	0	"		
263	5-7	1355 1355	"	34.0	40.4	2.16	4.71	87.4	.6	17	0	"	290	3-19	0950 1000	"	14.0	6.60	1.00	3.74	6.6	.6	8	0	"		
264	5-21	1035 1045	"	18.3	21.4	2.05	4.45	43.8	.6	13	0	"	291	3-26	0935 0945	"	14.0	6.96	1.07	3.76	7.5	.6	8	0	"		
265	6-4	1025 1040	"	17.5	11.7	1.56	3.96	18.3	.6	12	0	"	292	3-31	1306 1320	"	14.5	8.74	0.79	3.82	6.9	.6	10	0	"		
266	6-18	1055 1105	"	15.7	7.88	0.99	3.78	7.8	.6	11	0	FC28	293	4-2	0925 0957	"	14.0	7.89	0.80	3.81	6.3	.6	10	0	"		
267	7-2	1030 1040	"	14.8	6.61	0.73	3.68	4.8	.6	10	00	FC41	294	4-9	0940 0950	"	14.0	7.71	0.82	3.80	6.3	.6	10	0	"		
268	7-18	0916 0916	TURNER	14.0	5.62	0.60	3.54	3.4	.6	10	0	FC43	295	4-23	0950 1000	"	14.0	7.85	0.70	3.80	5.5	.6	10	0	"		
269	7-31	1705 1710	LUCE	8.5	2.67	1.12	3.53	3.0	.6	10	0	FC41	296	5-7	1000 1012	"	13.4	6.75	0.59	3.72	4.0	.6	9	0	"		
270	8-13	1010 1020	"	6.4	1.73	0.75	3.36	1.3	.6	9	0	"	297	5-20	0925 0935	"	12.8	5.96	0.50	3.67	3.0	.6	9	0	"		
271	8-28	1445 1455	"	3.0	0.97	0.88	3.20	0.85	.6	7	0	"	298	6-4	1015 1025	"	12.7	5.40	0.46	3.64	2.5	.6	9	0	"		
272	9-10	1035 1035	"	2.5	0.49	0.96	3.21	0.47	.5	5	0	"	299	6-16	1080 1087	TURNER-HYDE	11.8	3.79	0.21	3.50	0.80	.5	8	0	"		
273	9-24	1055 1055	"	3.5	0.80	1.29	3.28	1.03	.5	6	0	"	300	6-26	1007 1013	TURNER	4.0	1.18	0.40	3.41	0.47	.5	6	0	"		
													301	7-6	1220 1225	"	3.3	0.77	0.29	3.32	0.22	FEDAT	6	0			
													302	7-23	0955 1005	"	2.2	0.37	0.30	3.26	0.11	.5	5	0	FC43		
													303	8-6	0950 0955	"	1.6	0.19	0.21	3.06	0.04	FEDAT	5	0			
													304	8-20	0950 0955	"	0.8	0.10	0.20	3.12	0.02	.5	1	0	FC43		

760743 P. C. Dist. 22 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. L-1-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	0	0	1.2	4.7	5.4	4.4	16.9	10.6	1.9	8.3	3.0	1.2		
2	0	0	1.2	2.8	6.9	3.6	17.1	12.1	17	7.9	2.4	1.0		
3	0	0	1.4	2.1	5.8	3.0	16.7	12.1	17	7.5	1.8	0.8		
4	0	0	1.4	1.7	5.3	3.0	17.7	10.4	1.8	7.2	1.8	0.8		
5	0	0	9.0	1.3	5.4	3.0	13.6	3.9	1.7	6.9	1.2	0.7		
6	0	0	9.6	1.3	5.1	3.0	13.6	7.9	1.6	6.8	1.2	0.7		
7	0	0	5.3	1.3	4.9	3.6	17.3	7.3	1.4	6.0	1.2	0.6		
8	0	0	3.4	1.0	4.5	4.2	15.6	7.1	1.3	5.0	1.2	0.6		
9	0	0	2.4	9.1	4.3	3.6	14.6	6.3	1.2	5.5	1.2	0.5		
10	0	0	1.9	9.1	4.2	4.1	13.9	6.2	1.1	5.3	1.0	0.4		
11	0	0	1.9	9.1	4.2	4.0	10.9	6.3	1.0	4.7	1.2	0.5		
12	0	0	5.3	1.9	4.1	3.5	9.8	6.1	9.1	4.4	1.0	0.6		
13	0	0	3.3	6.9	3.6	3.3	10.0	5.8	8.3	4.2	1.2	0.6		
14	0	0	1.5	2.7	3.2	3.0	10.0	5.6	7.9	4.0	0.7	0.6		
15	0	0	1.0	2.2	3.0	3.8	9.4	5.2	6.9	3.8	0.7	0.6		
16	0	0	7.2	16.1	2.8	10.6	9.2	4.8	6.8	3.8	0.6	0.7		
17	0	0	6.0	7.1	3.0	7.5	10.0	4.5	7.6	3.4	0.7	0.7		
18	0	0	5.0	12.5	2.9	6.9	10.9	4.3	7.9	3.2	0.7	0.8		
19	0	0	4.7	7.2	2.7	6.9	11.2	4.4	8.7	3.2	0.6	0.8		
20	0	0	4.0	5.3	2.4	6.2	11.2	4.5	8.7	3.0	0.6	0.8		
21	0	0	3.8	4.6	2.2	6.1	9.8	4.3	9.1	2.0	0.6	0.8		
22	0	0	3.6	3.9	2.0	5.3	9.6	3.6	8.7	2.2	0.6	1.0		
23	0	0	3.4	3.7	1.9	5.0	10.6	3.2	9.1	2.2	0.6	1.0		
24	0	0	3.2	3.9	2.2	6.6	11.7	3.0	9.1	3.2	0.8	1.0		
25	0	0	3.4	7.7	2.3	1.7	12.4	2.8	9.1	4.4	1.0	1.0		
26	0	0	3.4	7.5	2.4	3.9	9.8	2.7	9.1	3.3	1.0	1.2		
27	0	0.4	3.4	5.8	2.4	2.4	10.0	2.7	8.8	3.2	1.2	1.6		
28	0	1.2	3.6	5.2	2.4	2.4	11.0	2.8	8.7	3.0	1.4	1.4		
29	0	1.3	4.1	4.8	2.1	1.9	9.9	2.2	8.7	3.0	1.4	1.3		
30	0	1.3	3.1	4.8	2.1	1.9	9.9	2.1	8.3	4.4	1.4	1.0		
31	0	1.3	3.1	4.6	2.1	1.7	9.7	2.0	8.3	3.6	1.2	1.0		
0 2.9 64.9 1370.3 1056 2621 3670 1710 323.9 141.2 34.9 25.3														
MEAN	0	9.10	23.9	44.2	36.4	51.0	122	55.2	10.0	3.73	1.12	0.70		
ACRE- FEET	0	6.8	1290.	2720.	2090.	5200.	7240.	3370.	597.	229.	62.	42.		
Remarks:												YEAR OR PERIOD	MEAN	31.6
											ACRE-FEET	22800.		

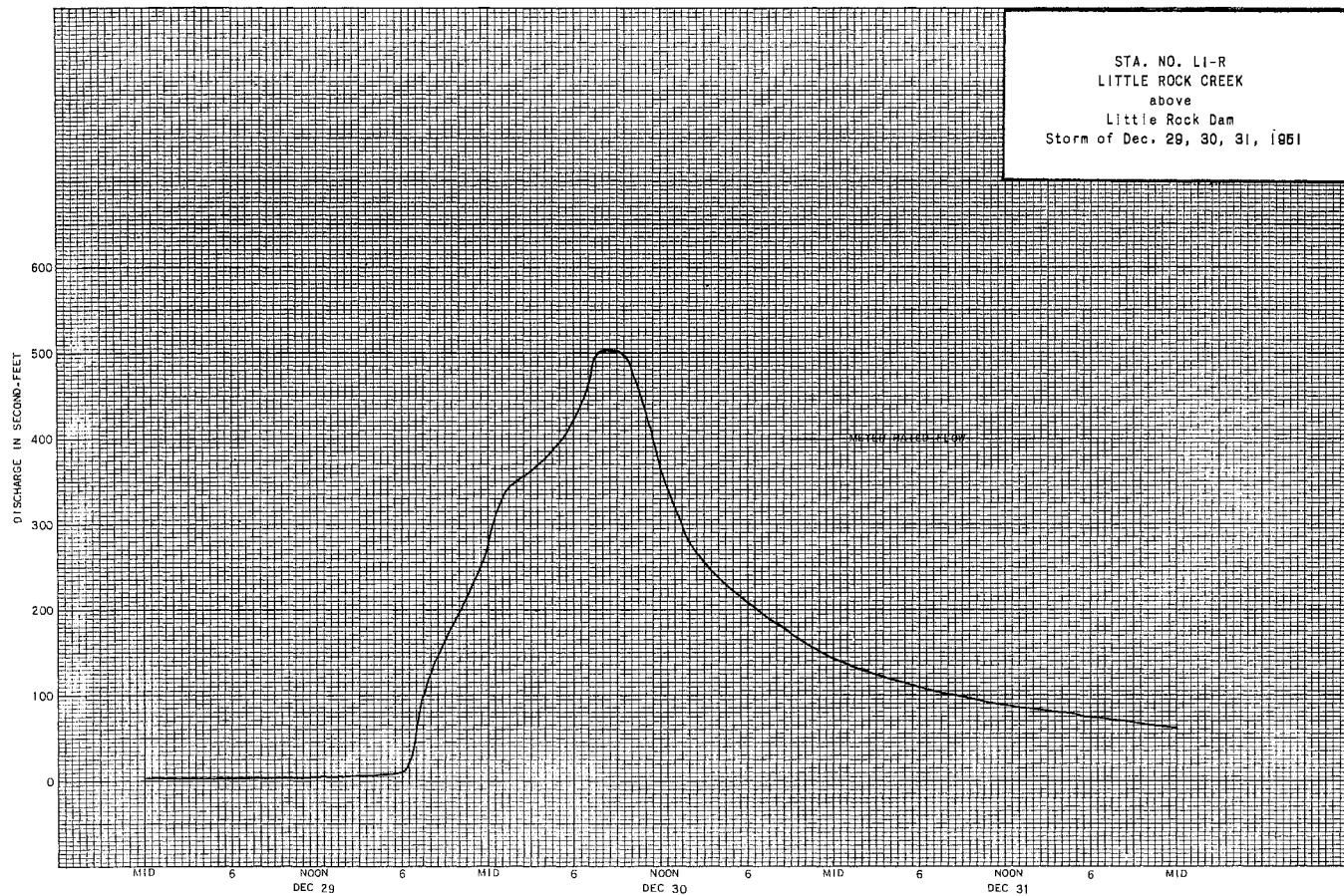
760743 C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. L-1-R

Daily discharge, in second-feet of LITTLE ROCK CREEK above Little Rock Dam for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	1.0	0.6	3.2	5.6	7.2	7.5	8.3	4.5	1.9	0.4	d 0.1	0		
2	0.8	0.6	1.0	6.3	7.5	8.3	6.3	4.4	2.6	0.4	+	0		
3	0.8	0.6	7.5	6.9	7.5	7.5	a 6.3	4.3	2.6	0.2	+	0		
4	0.8	0.6	6.0	7.9	7.5	7.2	a 6.3	4.2	2.4	0.2	+	0		
5	0.8	0.7	5.6	8.3	7.5	6.9	a 6.3	4.2	2.0	0.3	+	0		
6	0.8	0.8	5.3	8.7	7.5	7.5	a 6.3	4.1	2.0	0.3	+	0		
7	0.8	0.8	5.8	1.7	7.5	7.5	a 6.3	4.0	1.9	0.2	+	0		
8	0.8	0.7	5.8	3.2	7.5	7.9	a 6.3	4.0	1.8	0.2	+	0		
9	0.8	0.7	5.8	3.2	7.5	7.9	a 6.3	4.0	1.4	0.2	+	0		
10	0.8	0.6	5.3	2.7	7.2	7.9	a 6.3	4.0	1.4	0.2	+	0		
11	0.6	4.7	5.0	2.5	6.9	7.9	a 6.2	3.8	1.4	0.2	+	0		
12	0.6	2.8	4.7	2.2	6.6	7.9	a 6.1	3.8	1.2	0.2	+	0		
13	0.6	2.6	4.7	1.9	6.3	7.9	a 6.0	3.7	0.6	0.2	+	0		
14	0.6	5.5	5.0	2.1	6.0	7.5	a 5.9	3.6	0.6	0.1	+	0		
15	0.5	1.2	5.0	1.9	5.6	7.5	a 5.8	3.4	0.6	0.2	+	0		
16	0.5	8.7	5.3	1.7	5.6	6.9	a 5.7	3.3	0.7	0.2	+	0		
17	0.6	4.4	7.3	1.6	5.3	6.9	a 5.6	3.2	0.5	0.1	+	0		
18	0.6	3.6	1.6	1.5	5.3	6.9	a 5.6	3.2	0.7	0.1	+	0		
19	0.5	3.4	1.7	1.4	5.3	6.9	a 5.5	3.0	0.5	0.1	+	0		
20	0.5	3.4	1.7	1.3	5.3	6.9	a 5.4	2.8	0.5	0.1	+	0		
21	0.5	3.4	1.5	1.2	5.3	6.9	a 5.4	2.8	0.5	0.1	+	0		
22	0.5	3.4	1.0	1.1	5.3	8.3	a 5.3	2.6	0.7	0.1	+	0		
23	0.5	3.4	1.0	1.0	5.3	7.9	a 5.3	2.6	0.6	0.1	+	0		
24	0.5	a 3.4	8.7	1.0	6.9	7.9	a 5.3	2.4	0.6	0.1	+	0		
25	0.5	a 3.2	7.5	9.6	6.9	7.5	a 5.0	2.1	0.4	0.1	+	0		
26	0.5	a 3.0	5.9	9.1	6.3	7.5	a 4.9	1.9	0.5	0.1	+	0		
27	0.5	2.8	5.3	8.7	7.5	7.5	a 4.8	1.6	0.4	0.1	+	0		
28	0.5	2.8	5.0	8.3	7.5	7.4	a 4.8	1.4	0.4	0.1	+	0		
29	0.5	2.4	5.0	7.9	7.5	7.4	a 4.7	1.4	0.4	0.1	+	0		
30	0.5	2.4	5.6	7.9	7.5	7.1	a 4.6	1.2	0.4	0.1	+	0		
31	0.5	2.4	7.2	7.5	7.5	7.0	a 4.5	1.1	0.4	0.1	+	0		
19.4 227.4 138.7 170.0 33.8 0.1 0														
106.3 434.6 233.8 101.6 5.2														
MEAN	0.63	3.54	7.34	14.0	6.74	7.54	5.62	3.28	1.12	0.17	0.03	0		
ACRE- FEET	38.	211.	451.	862.	374.	464.	337.	202.	67.	13.	.2	0		
Remarks:	+ = 0.05 c.f.s. or less											YEAR OR PERIOD	MEAN	4.17
											ACRE-FEET	3020.		



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

LOCATION: WATER-STAGE RECORDER AND CONTROL, LAT. 34°11'15" N. LONG 118°02'35" W.
 NEAR CENTER OF NW 1/4 SEC. 9, T.1N., R.11W., 1.3 MILES UPSTREAM FROM
 SIERRA MADRE DAM. ALTITUDE OF GAGE ABOUT 2200 FEET (FROM TOPOGRAPHIC
 MAP).

DRAINAGE AREA: 1.9 SQUARE MILES.

RECORDS AVAILABLE: APRIL 1916 TO SEPTEMBER 30, 1953.

AVERAGE DISCHARGE: 36 YEARS (1916-1925, 1926-1953, 0.91 SECOND-FOOT).

EXTREMES:

- 1951-52
 MAXIMUM DISCHARGE 105 SECOND-FOET JANUARY 16. (GAGE HEIGHT 2.25 FEET.)
 MINIMUM DAILY DISCHARGE NO FLOW AT TIMES IN OCTOBER AND NOVEMBER.
- 1952-53
 MAXIMUM DISCHARGE 30 SECOND-FOET DECEMBER 1. (GAGE HEIGHT 1.64 FEET.)
 MINIMUM DISCHARGE NO FLOW PART OF AUGUST AND SEPTEMBER.
- 1916-53
 MAXIMUM DISCHARGE 536 SECOND-FOET MARCH 2, 1938 COMPUTED ON BASIS OF
 INFLOW TO SIERRA MADRE FLOOD CONTROL RESERVOIR.
 MINIMUM NO FLOW DURING PERIODS IN 1919, 1924, 1925, 1951, 1952.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK
 above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

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. 1/100	METH. NO.	MEAN SEC. NO.	Q. CH. TOTAL	HY. NO.
1012	10-26		USGS	1.10	0.19	0.21	0.43	0.04		.5	7	0	
1013	12-5		"	1.4	0.45	1.04	0.68	0.47		.5	5	0	
1014	12-21		"	1.20	0.26	1.23	0.57	0.32		.5	10	0	
1015	12-31		"	7.0	2.86	1.20	0.96	3.43		.5	13	0	
1016	1-13		"	9.0	4.92	0.86	1.17	8.94		.6	14	0	
1017	1-15		"	6.0	3.33	1.62	1.04	5.41		.6	13	+ .02	
1018	1-16		"	12.0	12.4	4.35	1.66	54.0		.6	15	+ .12	
1019	1-16		"	11.0	12.0	4.22	1.58	50.7		.6	11	+ .05	
1020	1-23		"	8.5	3.40	1.38	1.06	4.68		.6	13	+ .01	
1021	1-25		"	7.0	3.72	1.36	1.08	5.07		.6	15	0	
1022	2-11		"	2.8	1.23	1.34	0.84	1.05		.6	14	0	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. NO.	HEAR. NO.	Q. HT. CHANGE TOTAL	METER NO.
1023	2-20		"	2.70	0.94	1.29	0.60	1.21	.8	14	0		
1024	2-27		"	7.0	1.63	0.52	0.78	0.64	.8	17	+01		
1025	3-12		"	7.4	3.22	1.15	1.00	3.69	.8	19	0		
1026	3-16		"	6.0	2.71	1.96	1.39	5.32	.6	13	+01		
1027	2-27		"	10.4	4.57	1.46	1.08	6.68	.8	21	0		
1028	4-2		"	9.2	4.42	1.02	1.00	4.51	.8	17	-01		
1029	4-17		"	8.4	3.31	0.84	0.89	2.77	.8	20	-01		
1030	5-2		"	5.9	2.65	0.86	0.86	2.27	.8	15	0		
1031	5-16		"	5.9	2.10	0.76	0.81	1.59	.8	13	0		
1032	5-19		"	5.5	2.04	0.63	0.78	1.29	.8	16	0		
1033	6-9		"	5.4	1.89	0.52	0.74	0.98	.8	14	0		
1034	6-23		"	5.1	1.53	0.45	0.71	0.69	.8	12	0		
1035	6-23		"	4.2	1.04	0.70	0.72	0.73	.8	13	0		
1036	7-7		"	4.3	1.00	0.68	0.69	0.68	.8	13	0		
1037	7-21		"	4.1	0.92	0.61	0.64	0.54	.8	11	0		
1038	8-6		"	4.4	1.02	0.43	0.62	0.44	.8	11	0		
1039	8-21		"	3.1	0.74	0.55	0.62	0.41	.8	9	0		
1040	9-10		"	1.5	0.44	0.82	0.59	0.36	.5	6	0		
1041	9-25		"	1.8	0.44	0.50	0.59	0.22	.8	10	0		

DISCHARGE MEASUREMENTS OF LITTLE SANTA ANITA CREEK

above Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INB	METH. NO.	HEAR. NO.	Q. HT. CHANGE TOTAL	METER NO.
1042	10-16		USGS	2.6	0.65	0.29	0.54	0.19	.5	15	-01		
1043	10-31		"	2.0	0.50	0.37	0.54	0.19	.5	11	0		
1044	11-14		"	3.3	1.57	0.68	0.71	1.07	.5	18	-01		
1045	11-25		"	3.4	1.10	0.31	0.60	0.34	.6	18	0		
1046	12-11		"	2.9	1.27	0.35	0.71	0.44	.6	16	0		
1047	12-24		"	2.9	1.36	0.41	0.74	0.57	.6	17	0		
1048	1-8		"	3.4	1.61	0.63	0.79	1.02	.8	17	0		
1049	1-26		"	3.4	1.49	0.34	0.72	0.50	.5	16	0		
1050	2-12		"	2.8	1.10	0.40	0.67	0.44	.6	12	0		
1051	2-25		"	2.8	1.07	0.36	0.67	0.39	.5	12	+01		
1052	3-5		"	2.8	1.05	0.36	0.65	0.38	.5	12	0		
1053	3-18		"	2.8	1.04	0.36	0.64	0.37	.5	11	0		
1054	4-2		"	2.8	1.10	0.31	0.64	0.34	.5	12	0		
1055	4-16		"	2.8	1.05	0.32	0.64	0.34	.5	9	0		
1056	4-30		"	2.8	1.06	0.32	0.63	0.34	.6	13	0		
1057	5-14		"	2.3	0.94	0.25	0.62	0.24	.6	10	0		
1058	5-28		"	2.3	0.88	0.31	0.60	0.27	.6	11	0		
1059	6-11		"	2.3	0.92	0.27	0.60	0.25	.6	12	0		
1060	6-25		"	2.4	0.94	0.18	0.59	0.17	.6	12	0		
1061	7-9		"	1.6	0.60	0.20	0.58	0.12	.6	10	0		
1062	7-23		"	1.2	0.45	0.16	0.59	0.07	.6	9	0		
1063	8-6		"	1.2	0.43	0.14	0.58	0.06	.6	9	0		
1064	8-20		"	.80	0.26	0.13	0.56	0.08	.6	9	0		
1065	9-3		"	.80	0.26	0.19	0.58	0.05	.6	6	0		
1066	9-17		"	.80	0.25	0.09	0.56	0.02	.6	7	0		

FORM F. C. Dist. 52 9-50

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	1.9	2.2	1.4	4.9	2.0	1.2	0.8	0.5	0.4
2	0	0	0.2	1.3	2.2	1.2	4.5	2.2	1.2	0.8	0.5	0.4
3	0	0	0.2	0.9	2.1	1.1	4.1	2.0	1.2	0.8	0.5	0.4
4	0	0	0.2	0.7	2.0	1.1	3.7	2.0	1.2	0.7	0.5	0.4
5	0	0	0.2	0.7	2.0	1.1	3.7	2.0	1.2	0.7	0.5	0.4
6	0	0	0.2	0.7	1.9	1.1	3.7	2.0	1.2	0.7	0.5	0.4
7	0	0	0.2	1.0	1.6	6.0	5.3	2.0	1.2	0.6	0.4	0.4
8	0	0	0.2	0.7	1.6	3.7	4.9	2.0	1.1	0.6	0.4	0.4
9	0	0	0.2	0.6	1.7	3.0	3.7	2.0	1.1	0.6	0.4	0.4
10	0	0	0.1	0.6	1.7	4.2	4.2	2.0	1.1	0.6	0.4	0.4
11	0	0	0.2	3.0	1.7	4.9	3.9	2.0	1.1	0.6	0.4	0.4
12	0	0	0.2	5.0	1.6	4.5	3.7	2.0	1.0	0.6	0.4	0.4
13	0	0	0.5	8.3	1.6	4.1	3.6	2.0	0.9	0.6	0.4	0.3
14	0	0	0.4	5.3	1.5	3.9	3.4	2.0	0.9	0.6	0.4	0.3
15	0	0	0.4	1.0	1.5	1.2	3.2	2.0	0.8	0.6	0.4	0.3
16	0	0	0.4	4.4	1.4	4.9	3.2	1.7	0.8	0.6	0.4	0.3
17	0	0	0.4	2.3	1.3	4.3	3.0	1.6	0.7	0.6	0.4	0.3
18	0	0	0.4	1.5	1.3	4.1	3.0	1.5	0.7	0.6	0.4	0.3
19	0	0.4	0.5	1.0	1.3	4.5	3.2	1.5	0.7	0.6	0.4	0.3
20	0	0.8	0.4	8.0	1.2	4.7	3.0	1.4	0.7	0.6	0.4	0.3
21	0	0.3	0.4	5.0	1.1	5.1	2.8	1.4	0.7	0.6	0.4	0.3
22	0	0.2	0.4	5.0	1.1	5.0	2.7	1.3	0.7	0.6	0.4	0.2
23	0	0.2	0.3	4.7	1.0	5.0	2.6	1.3	0.7	0.6	0.4	0.2
24	0	0.2	0.3	4.5	1.0	5.0	2.4	1.3	0.6	0.6	0.4	0.2
25	0.6	0.2	0.3	5.1	0.9	5.0	4.0	1.2	0.6	0.6	0.4	0.2
26	0	0.2	0.3	3.9	0.8	6.0	3.0	1.2	0.9	0.6	0.4	0.2
27	0	0.2	0.2	3.4	0.8	6.7	2.0	1.2	0.8	0.6	0.4	0.2
28	0	0.2	0.2	3.1	0.9	6.4	3.0	1.2	0.8	0.6	0.4	0.2
29	0	0.2	3.0	2.6	1.3	6.0	3.0	1.2	0.8	0.6	0.4	0.2
30	0	0.2	1.0	2.6		5.7	2.0	1.2	0.8	0.6	0.4	0.2
31	0		2.8	2.4		5.5		1.2		0.5	0.4	
0.6 3.3 25.2 184.4 42.8 139.2 51.6 19.4 13.0 9.3												
MEAN	0.02	0.11	0.81	5.95	1.48	4.49	3.46	1.66	0.93	0.63	0.42	0.31
Q100 FEET	1.2	6.5	50.	366.	35.	276.	206.	102.	55.	38.	24.	18.

Remarks:

YEAR OR PERIOD MEAN ACRES-FOOT 1.70 1230.

FDHM Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 113-B

Daily discharge, in second-feet of LITTLE SANTA ANITA CREEK above Sierra Madre Dam for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.4	0.4	0.1	0.1	0.0
2	0.2	0.2	1.4	0.8	0.4	0.4	0.4	0.4	0.3	0.1	0.1	1.1
3	0.2	0.2	0.7	0.7	0.4	0.4	0.4	0.4	0.5	0.1	0.1	0.0
4	0.2	0.2	0.6	0.7	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
5	0.2	0.2	0.5	0.7	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
6	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
7	0.2	0.2	0.5	0.9	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
8	0.2	0.2	0.5	0.9	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
9	0.2	0.2	0.5	0.9	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
10	0.2	0.2	0.5	0.9	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
11	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
12	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
13	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
14	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
15	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
16	0.2	0.2	0.5	0.8	0.5	0.4	0.4	0.3	0.5	0.1	0.1	0.0
17	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
18	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
19	0.2	0.2	0.5	0.8	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
20	0.2	0.2	1.3	0.8	0.4	1.0	0.4	0.3	0.5	0.1	0.1	0.0
21	0.2	0.4	0.7	0.6	0.4	0.5	0.4	0.3	0.5	0.1	0.1	0.0
22	0.2	0.4	0.6	0.7	0.4	0.5	0.4	0.3	0.5	0.1	0.1	0.0
23	0.2	0.4	0.6	0.7	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
24	0.2	0.4	0.6	0.6	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
25	0.2	0.4	0.6	0.6	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
26	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
27	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
28	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
29	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
30	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
31	0.2	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.5	0.1	0.1	0.0
	6.2		22.7		11.8		12.2		7.1		1.2	

MEAN	0.20	0.42	0.73	0.71	0.42	0.43	0.41	0.26	0.24	0.10	0.04	0.01
ACRE- FEET	12	25	45	44	23	26	24	16	14	6.1	2.4	0.6

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 0.33 238

STATION FIG-R
LITTLE TUJUNGA WASH at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°16'28", LONG. 118°22'20", ON DOWN STREAM SIDE OF FOOTHILL BOULEVARD BRIDGE, 4 MILES EAST OF SAN FERNANDO. ELEVATION OF ZERO GAGE HEIGHT, 1067.89 FEET.

DRAINAGE AREA: 21.0 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 1928 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE KNOWN.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 2110 SECOND- FEET JANUARY 16.
MINIMUM NO FLOW PART OF YEAR.
- 1952-53
MAXIMUM 138 SECOND- FEET, DECEMBER 1.
MINIMUM NO FLOW PART OF YEAR.
- 1929-53
MAXIMUM 8500 SECOND- FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW PART OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LITTLE TUJUNGA WASH

at Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	RECORD NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER. SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAV. INS.	METH. DO.	MEAN DISCH. CFS	CHG. TOTAL	METER NO.
416	11-20	1528 1536	TURNER-SPENCER	20.0	3.71	1.18	3.97	4.4		.5	9	0	FC43
417	12-5	1210 1225	SPENCER	4.0	0.71	1.14	3.78	0.81		.5	9	0	FC35
418	12-12	0914 0920	TURNER	4.5	0.67	1.04	3.79	0.70		.5	6	0	FC43
419	12-29	1227 1232	TURNER-THOMAS	20.0	6.76	2.40	3.98	13.8		.5	9	+.01	"
420	12-30	1206 1212	" "	30.0	13.4	3.58	4.02	46.0		.6	12	0	"
421	12-31	1250 1259	TURNER	14.0	3.71	1.91	3.69	7.1		.6	9	0	"
422	1-3	1718	"	3.5	0.46	3.78	3.32	0.36		.5	5	0	FC23
423	1-9	1409 1415	"	4.5	0.75	1.01	3.38	0.76		.5	7	0	FC43
424	1-12	1943 1955	TURNER-ROGERS	THREE	CHANNELS		3.93	70.7		.6	10	-.02	"
425	1-13	0833 0842	" "	28.0	15.10	3.67	3.84	55.3		.6	11	0	"
426	1-15	0830 0839	" "	19.0	4.09	2.62	3.47	10.7		.6	8	0	"
427	1-15	1911 1920	" "	THREE	CHANNELS		3.60	63.0		.6	10	0	"
428	1-16	1090 1095	" "	TWO	CHANNELS		4.20	283.		.6	11	-.04	"
429	1-17	1100 1115	DEPT. WATER & POWER	21.7	14.20	6.00	3.77	85.1		.6	12	0	8932
430	1-17	1125 1140	" "	18.5	9.89	8.19	3.76	81.0		.6	13	0	"

FD-744 (Rev. 12-53)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FIG-R

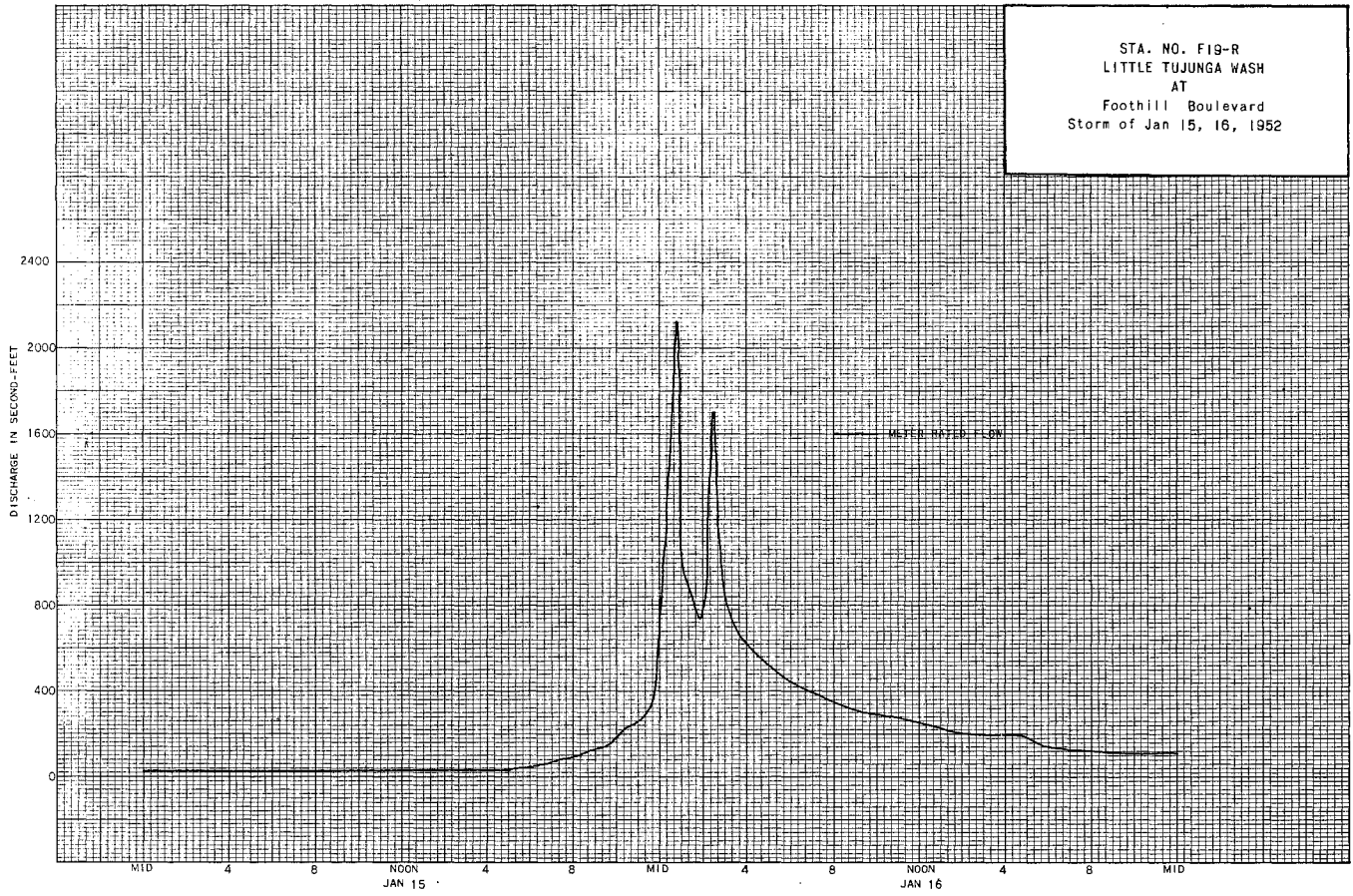
Daily discharge, in second-feet of LITTLE TUJUNGA WASH at Foothill Boulevard for the year ending September 30, 1953

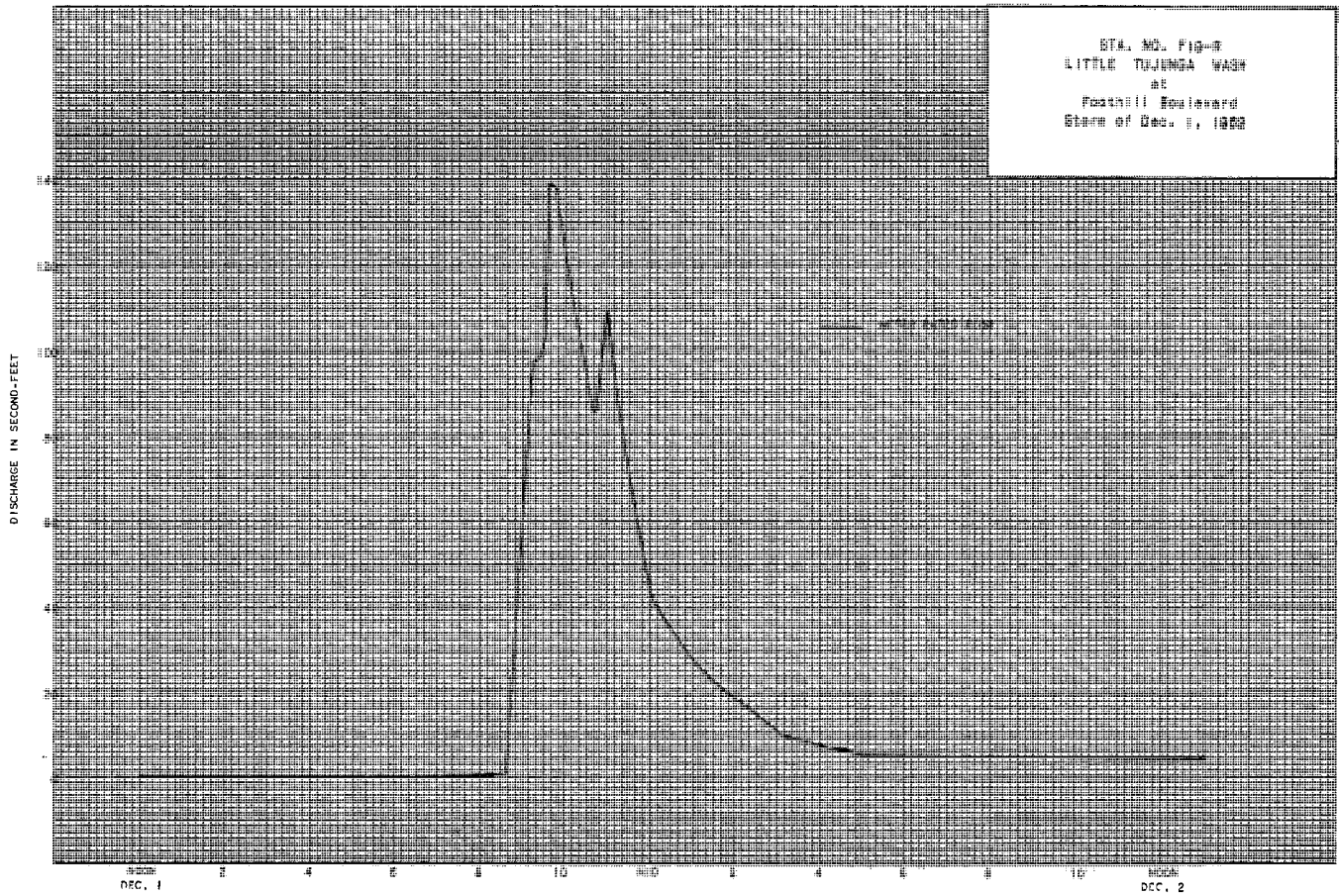
DAY	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	13.0	0.8	0.0	0.2	0	+	0	0	0	0
2	0	0	7.0	0.6	0.0	0.3	0	+	0	0	0	0
3	0	0	10.2	0.5	0.0	0.2	0	+	0	0	0	0
4	0	0	9.8	0.4	0.0	0.2	0	+	0	0	0	0
5	0	0	b 0.7	0.4	0.0	0.2	0	+	0	0	0	0
6	0	0	0.5	0.8	0.0	0.2	0	+	0	0	0	0
7	0	0	0.4	0.8	0.0	0.2	0	+	0	0	0	0
8	0	0	b 0.4	0.8	0.0	0.2	0	+	0	0	0	0
9	0	0	b 0.3	0.8	0.0	0.2	0	+	0	0	0	0
10	0	0	0.2	0.6	0.0	0.1	0	+	0	0	0	0
11	0	0	e 0.1	0.4	0.0	0.1	0	+	0	0	0	0
12	0	0	e 0.1	0.2	0.0	0.2	0	+	0	0	0	0
13	0	0	e 0.1	0.6	0.0	0.1	0	+	0	0	0	0
14	0	1.1	b 1.0	1.0	0.0	0.2	0	+	0	0	0	0
15	0	11.0	+	0.9	0.0	0.0	0	+	0	0	0	0
16	0	1.0	b 0.5	0.4	0.0	0.0	0	+	0	0	0	0
17	0	0.4	+	0.4	0.0	0.0	0	+	0	0	0	0
18	0	0.2	+	0.4	0.0	0.0	0	+	0	0	0	0
19	0	0.2	+	0.4	0.0	0.0	0	+	0	0	0	0
20	0	0.2	1.9	0.4	0.0	0.2	1.1	+	0	0	0	0
21	0	b 0.1	b 1.6	b 0.4	0.0	0.2	+	0	0	0	0	0
22	0	0.1	b 1.0	0.3	0.0	0.3	+	0	0	0	0	0
23	0	0.1	b 0.7	0.2	0.0	0.4	+	0	0	0	0	0
24	0	0.1	0.0	0.2	0.0	0.2	+	0	0	0	0	0
25	0	0.1	0.0	0.3	0.0	0.2	+	0	0	0	0	0
26	0	b 0.1	0.0	0.3	0.0	0.0	+	0	0	0	0	0
27	0	+	0.3	0.3	0.0	0.0	1.0	0	0	0	0	0
28	0	+	1.7	0.3	0.1	0.0	0.0	0	0	0	0	0
29	0	0.1	b 0.8	0.2	0.0	0.0	0.0	0	0	0	0	0
30	0	0.9	3.4	0.2	0.0	0.0	0.0	0	0	0	0	0
31	0	0	1.3	0.2	0.0	0.0	0.0	0	0	0	0	0
	0	15.7	5.5	14.4	3.8	1.8	1.3	+	0	0	0	0

MEAN	0	0.52	1.79	0.46	0.14	0.06	0.04	+	0	0	0	0
ACRE- FEET	0	31.	110.	29.	7.5	3.6	2.6	+	0	0	0	0

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

YEAR MEAN 0.25
OR PERIOD ACRE-FEET 184.





STATION F31-R
LIVE OAK CREEK near Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'34", LONG. 117°44'40", ON THE RIGHT (WEST) BANK OF STREAM NEAR MOUTH OF CANYON ABOUT 0.5 MILE BELOW LIVE OAK DAM, AND ABOUT 2 MILES NORTHEAST OF LA VERNE. ELEVATION OF GAGE ABOUT 1,335 FEET.

DRAINAGE AREA: 2.5 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 4, 1928 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW REGULATED BY LIVE OAK DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 4, 1928 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 25 SECOND-FOOT JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 1.0 SECOND-FOOT DECEMBER 1.
MINIMUM NO FLOW MOST OF YEAR.

1928-53
MAXIMUM 257 SECOND-FOOT MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

DISCHARGE MEASUREMENTS OF LIVE OAK CREEK
Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	RAVR HEIGHT FEET	DISCHARGE SEC. FT.	RAV- ING	METH- OD	MEAN REG. NO.	SL. HT. STAMP TRIAL	METER NO.
160	1-14	1400 1410	STUNDEN	5.0	3.98	0.96	0.75*	3.8		D	8	0	FC36
161	1-16	1200 1210	STUNDEN-CANAVAN	8.0	5.00	2.08	1.20	10.4		.6	7	0	"
162	1-19	1245 1255	" "	8.0	6.75	1.42	1.08	9.5		.5	8	0	"
163	1-25	1315 1320	STUNDEN	1.0	0.08	1.00	0.08	0.08		FLWS	4	0	
164	2-5	0830	"	2'	CIPOLLETTI WEIR		0.34	1.3					0
165	3-7	1040	"	2'	CIPOLLETTI WEIR		0.53	2.5					0
166	3-8	1420 1425	STUNDEN-STEWART	6.0	4.23	1.21	0.80	5.1		.6	7	0	FC36
167	3-13	1540	STUNDEN	2'	CIPOLLETTI WEIR		0.12	0.28					0
168	3-15	1555 1700	TREAT-STEWART	9.0	3.88	1.03	0.76	4.0		.6	8	0	FC28
169	3-16	1325 1350	" "	10.0	5.05	2.42	1.15	12.2		.6	10	0	"
170	3-20	1335 1348	STUNDEN-HYDE	9.5	6.86	1.15	1.07	7.9		.6	9	0	FC36
171	4-3	1215	STUNDEN	2'	CIPOLLETTI WEIR		0.32	1.2					0
172	4-10	1315 1320	"	2.0	0.56	1.00	0.27	0.56		.5	5	0	FC36
173	4-16	1250	"	2.0	0.49	1.20	0.23	0.59		.5	5	0	FC50

FD-74M P. O. Dist. 55 8-55

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0.8	0	0	0	0	0
2	0	0	0	0	0	0	1.3	0	0	0	0	0
3	0	0	0	0	0	0	1.3	0	0	0	0	0
4	0	0	0	0	0.7	0	1.1	0	0	0	0	0
5	0	0	0	0	1.4	0	0.6	0	0	0	0	0
6	0	0	0	0	1.4	0	0.6	0	0	0	0	0
7	0	0	0	0	0.6	11.2	0.7	0	0	0	0	0
8	0	0	0	0	0	22.8	0.9	0	0	0	0	0
9	0	0	0	0	0	5.1	1.0	0	0	0	0	0
10	0	0	0	0	0	4.6	1.1	0	0	0	0	0
11	0	0	0	0	0	4.5	1.0	0	0	0	0	0
12	0	0	0	0	0	1.8	0.9	0	0	0	0	0
13	0	0	0	1.5	0	0	1.8	0	0	0	0	0
14	0	0	0	4.3	0	0.2	0.9	0	0	0	0	0
15	0	0	0	0.2	0	3.6	0.8	0	0	0	0	0
16	0	0	0	1.5	0	1.2	0.8	0	0	0	0	0
17	0	0	0	1.5	0	1.2	0.8	0	0	0	0	0
18	0	0	0	2.1	0	1.1	0.6	0	0	0	0	0
19	0	0	0	1.4	0	1.0	0	0	0	0	0	0
20	0	0	0	8.4	0	7.2	0	0	0	0	0	0
21	0	0	0	4.5	0	3.2	0	0	0	0	0	0
22	0	0	0	3.4	0	3.4	0	0	0	0	0	0
23	0	0	0	1.6	0	3.3	0	0	0	0	0	0
24	0	0	0	0	0	1.3	0	0	0	0	0	0
25	0	0	0	0.1	0	0	0	0	0	0	0	0
26	0	0	0	0.1	0	0	0	0	0	0	0	0
27	0	0	0	+	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	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	87.1	4.1	92.9	16.1	0	0	0	0	0

MEAN	0	0	0	2.80	0.14	3.00	0.54	0	0	0	0	0
ACRE- FEET	0	0	0	173.	8.	184.	32.	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRE-
FEET 0.55 397.

STATION F58-R
LOS ANGELES RIVER below Sepulveda Boulevard

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

DRAINAGE: 157 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 19, 1928 AT STATION F5-R. REMOVED MARCH 2, 1938. REINSTALLED APRIL 28, 1938. MOVED TO STATION F58-R ON AUGUST 23, 1941 AND INSTALLED OVER A 24-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. COMMUNICATION TO WELL IS THROUGH 31 FEET OF 36-INCH CORRUGATED IRON PIPE. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO MARCH 27, 1952 WHEN STATION WAS DISCONTINUED DUE TO CHANNEL CONSTRUCTION.

REGULATION: INFLOW TO SEPULVEDA DAM PARTIALLY REGULATED BY CHATSWORTH RESERVOIR, UPPER AND LOWER SAN FERNANDO RESERVOIRS, TWIN LAKES DAMS, ENCINO RESERVOIR, AND SEVERAL SMALL DAMS IN VARIOUS MOUNTAIN TRIBUTARIES. DISCHARGE LESS THAN 1000 SECOND-FEET PASSES UNRESTRICTED THROUGH UNGATED OPENINGS OF SEPULVEDA DAM. DISCHARGE ABOVE 1000 SECOND-FEET REGULATED BY SEPULVEDA DAM.

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

RECORDS AVAILABLE:

AT STATION F5-R - DECEMBER 19, 1928 TO MARCH 3, 1938, AND FROM APRIL 28, 1938 TO AUGUST 23, 1941.

AT STATION F58-R - AUGUST 23, 1941 TO MARCH 27, 1952. SUBSEQUENT RECORDS OF LOS ANGELES RIVER BELOW SEPULVEDA DAM AVAILABLE FROM THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 8650 SECOND-FEET JANUARY 16.
MINIMUM 1.4 SECOND-FEET OCTOBER 1 AND 2.
1929-52
MAXIMUM 12000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM FLOW NEGLIGIBLE AT VARIOUS TIMES.

ACCURACY: RECORDS FAIR.

REMARKS: DURING SEASON OF 1951-52, WATER SUPPLY RESERVOIRS RELEASED 2670 ACRE- FEET OF IMPORTED WATER TO RIVER ABOVE THIS STATION.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
below Sepulveda Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
below Sepulveda Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOUR SEGS.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INCH	METH. NO.	MEAN DISCH. NO.	DISCHARGE TOTAL	METER NO.
709	10-4	8819	BLAKELY	11.8	4.71	0.49	0.79	2.3	5	8	0	FC24	
710	10-11	1898	"	11.6	4.64	0.80	0.81	2.2	5	8	0	"	
711	10-18	1959	"	11.7	5.24	0.81	0.85	3.2	5	8	0	"	
712	10-25	1183	"	13.3	14.6	0.77	1.20	11.2	5	9	+0.01	"	
713	11-1	1468	"	11.7	4.78	0.89	0.88	2.8	5	8	0	"	
714	11-8	1892	"	11.8	5.02	0.84	0.88	3.2	5	8	0	"	
715	11-15	1845	"	11.8	5.38	0.87	0.90	3.6	5	8	0	"	
716	11-20	1893	"	24.0	20.4	3.84	1.99	78.4	6	9	-0.07	"	
717	11-21	1858	THOMAS	8.5	10.7	0.98	1.15	10.5	6	11	+0.01	FC42	
718	11-29	1954	BLAKELY	13.0	4.53	0.92	0.92	3.7	5	9	0	FC24	
719	12-5	8148	THOMAS	13.5	20.6	1.61	1.49	39.1	6	10	+1.10	FC42	
720	12-12	8955	"	26.0	50.7	2.72	2.60	138	6	9	+0.34	"	
721	12-12	8857	"	28.0	87.8	2.89	3.40	195	6	7	+0.03	"	
722	12-12	8875	"	28.0	69.2	2.99	3.41	207	6	8	-0.01	"	
723	12-14	1819	BLAKELY	16.0	21.8	1.30	1.47	28.3	6	10	0	FC24	
724	12-20	1832	"	16.5	25.9	1.54	1.60	39.9	6	10	0	"	
725	12-27	1865	"	16.5	26.1	1.54	1.60	40.2	6	10	0	"	
726	12-29	1717	BLAKELY-HANSEN	34.0	103	4.26	5.01	439	6	11	-0.16	"	
727	12-30	1359	BLAKELY-GREEN	25.0	47.4	3.38	2.58	180	6	8	-0.04	"	
728	1-8	1893	BLAKELY	16.0	23.5	1.30	1.46	30.6	6	10	0	"	
729	1-7	8898	"	29.0	80.8	3.35	3.70	271	6	9	-1.10	"	
730	1-9	1958	"	14.4	9.27	0.84	1.00	5.9	6	9	0	"	
731	1-12	1746	BLAKELY-WESTLING	58.0	343	6.88	9.98	2290	6	11	+0.04	"	
732	1-14	1498	"	15.8	18.4	0.86	1.17	12.2	6	9	0	"	
733	1-15	1739	"	58.0	342	6.70	9.54	2290	6	11	+1.28	"	
734	1-16	8735	"	47.0	284	4.93	7.73	1400	6	8	-0.44	"	
735	1-17-18	8658	"	80.0	635	9.36	15.37	7820	FLOODS			0	
736	1-19	1868	"	27.0	53.4	2.28	2.00	122	6	9	-0.02	FC24	
737	1-23	1458	BLAKELY-KARIMOFF	23.0	9.58	2.44	1.33	23.3	5	9	0	"	
738	1-24	1836	"	24.0	14.9	3.08	1.70	45.9	6	7	0	"	
739	2-1	1429	BLAKELY	19.0	7.18	2.16	1.28	15.5	5	11	0	"	
740	2-7	1434	"	19.0	7.97	1.90	1.24	15.1	5	8	0	"	
741	2-14	1843	"	19.0	6.56	1.77	1.18	11.6	5	11	0	"	
742	2-20	1334	"	23.0	17.1	0.71	1.24	12.1	5	10	0	"	
743	2-28	1950	"	18.5	5.48	1.81	1.32	8.2	5	10	0	"	
744	3-6	1499	"	18.5	6.80	1.89	1.21	11.5	5	11	0	"	
745	3-7	8897	BLAKELY-WESTLING	55.0	384	7.18	8.71	2760	6	12	+1.10	"	
746	3-9	1834	"	34.8	14.7	1.68	1.37	24.4	5	8	0	"	
747	3-10	1823	BLAKELY-KARIMOFF	22.8	13.1	1.70	1.30	22.3	6	9	-0.04	"	
748	3-19	1353	BLAKELY	22.8	9.22	1.47	1.17	13.8	5	8	-0.01	"	
749	3-17	1118	U.S.G.S.-LANG	COMPOSITE MEASUREMENTS	2.42	188		5	32		FC12		
750	3-18	1837	LANG	52.0	32.1	3.80	2.12	122	6	13		"	
751	3-20	1897	"	27.0	21.0	3.41	1.86	71.6	6	17	0	"	
752	3-27	1118	BLAKELY	19.0	9.32	2.27	1.33	21.2	6	8	0	FC24	

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOUR SEGS.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INCH	METH. NO.	MEAN DISCH. NO.	DISCHARGE TOTAL	METER NO.
1	4-10	1999	BLAKELY	55.0	38.8	2.21	2.33	85.6	6	15	+1.10	FC24	
2	4-17	1814	"	15.5	7.77	2.07		18.1	5	10		"	
3	4-24	1182	"	18.0	9.88	1.46		14.0	6	10		"	
4	5-1	1136	BLAKELY-ROBIK	15.5	9.68	1.89		15.4	6	10		"	
5	5-8	1895	BLAKELY	13.0	6.13	1.84		11.3	5	8		"	
6	5-15	1828	"	11.8	5.16	1.89		8.2	5	8		"	
7	5-22	1860	"	7.8	7.98	1.24		9.9	6	10		"	
8	5-29	1134	"	11.0	5.29	1.72		9.3	6	7		"	
9	6-5	1848	"	10.8	4.12	1.64		7.2	5	12		"	
10	6-12	1134	"	12.5	4.05	1.43		5.8	5	7		"	
11	6-19	1155	"	11.8	4.60	1.54		7.1	5	9		FC35	
12	6-26	1758	"	15.5	6.30	1.38		8.7	5	10		FC24	
13	7-3	8829	THOMAS	13.5	4.64	1.18		5.5	5	12		FC42	
14	7-10	1894	BLAKELY	10.0	4.67	1.43		6.7	5	9		FC24	
15	7-17	1827	"	10.0	4.38	1.42		6.2	6	10		"	
16	7-24	8855	"	11.0	4.78	1.57		7.5	5	11		"	
17	8-1	1895	"	10.0	3.94	1.50		5.9	6	9		"	
18	8-7	8826	"	13.0	6.16	1.41		8.7	5	8		"	
19	8-14	1109	"	12.0	5.22	1.13		5.9	5	8		"	
20	8-21	8841	HYDE-BLAKELY	11.0	4.71	1.04		4.9	5	9		"	
21	8-29	8850	BLAKELY	14.0	5.74	1.13		6.5	5	10		"	
22	9-4	8835	"	14.5	5.16	1.01		5.2	5	9		"	
23	9-11	1120	"	13.0	5.90	1.39		8.2	6	9		"	
24	9-18	8856	"	10.0	4.48	1.03		4.8	6	8		"	
25	9-25	1820	"	11.0	3.86	1.22		4.7	5	8		"	

740744-7, C. Dec. 23 9-59

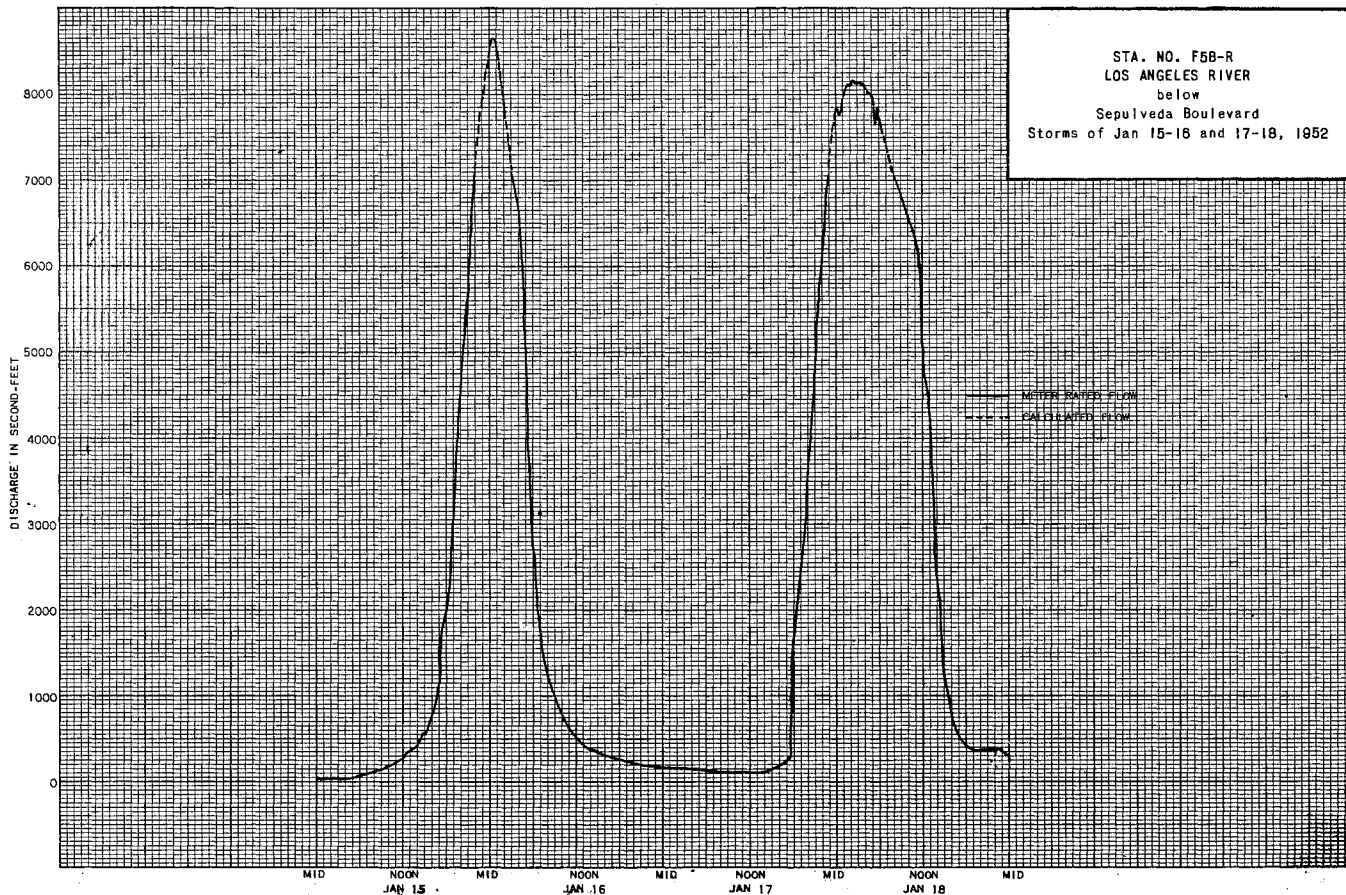
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F58-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	3.0	4.8	4.4	18	22	19	15	8.4	6.4	5.9	5.8
2	1.4	3.0	10	3.7	16	14	19	14	8.1	6.0	6.4	5.6
3	1.5	3.0	4.0	3.2	16	12	18	13	7.8	5.5	6.8	5.4
4	2.0	2.8	5.0	3.1	16	12	18	13	7.5	5.5	7.3	5.2
5	2.2	2.8	2.2	3.7	16	12	18	12	7.2	5.5	7.7	5.6
6	2.2	3.0	5.2	3.7	16	3.7	18	12	7.0	6.1	8.2	6.1
7	1.8	3.8	3.5	8.8	16	1.6	5.5	11	6.8	6.3	8.3	6.5
8	1.8	4.4	6.4	12	15	6.6	7.9	11	6.5	6.4	8.3	6.5
9	1.8	3.5	13	6.8	14	3.3	1.7	11	6.4	6.5	7.5	7.3
10	2.2	3.2	14	6.0	14	2.3	4.5	10	6.2	6.7	7.5	7.8
11	2.8	3.2	18	6.7	13	1.6	2.2	9.8	6.0	6.7	7.1	8.2
12	2.0	3.2	9.1	7.5	12	1.6	1.7	9.4	5.8	6.6	6.7	7.6
13	2.0	3.2	28	1.7	12	1.6	1.8	9.0	6.0	6.5	6.3	7.1
14	1.8	3.2	2.9	2.5	12	1.5	1.7	8.5	6.2	6.5	5.9	6.6
15	1.8	3.5	2.9	1.5	14	3.6	1.5	8.2	6.4	6.5	5.8	6.1
16	2.0	3.5	2.9	2.1	13	1.0	1.6	8.4	6.5	6.2	5.6	5.6
17	2.5	3.5	2.9	1.3	12	1.7	1.7	8.7	6.7	6.4	5.5	4.6
18	3.2	3.5	3.3	4.2	12	1.1	1.5	8.9	6.9	6.4	5.3	4.6
19	3.0	7.4	4.2	1.9	11	9.9	2.6	9.2	7.1	6.6	5.2	4.6
20	2.5	4.7	4.0	7.0	12	7.3	2.3	9.4	7.3	6.8	5.0	4.6
21	3.0	14	4.0	4.2	10	5.9	1.8	9.7	7.6	7.0	4.9	4.6
22	2.0	6.0	4.0	3.0	11	3.2	2.1	9.9	7.8	7.2	5.1	4.7
23	3.0	3.2	4.0	2.4	10	2.9	1.7	9.8	8.0	7.4	5.3	4.7
24	4.0	3.2	4.0	3.3	8.4	2.4	1.4	9.7	8.2	7.5	5.5	4.7
25	1.1	3.5	4.0	2.2	9.5	2.0	2.0	9.6	8.2	7.4	5.7	4.7
26	7.2	3.8	4.1	3.5	9.2	2.5	1.4	9.4	8.7	7.2	5.9	4.9
27	2.8	3.8	4.0	3.5	8.4	2.2	1.4	9.4	8.8	7.2	5.9	4.9
28	2.5	3.8	4.2	3.3	8.4	2.2	1.4	9.3	7.8	6.8	6.1	5.4
29	2.8	3.8	3.2	3.3	3.6	2.0	1.4	9.3	7.3	6.5	6.5	5.7
30	2.5	3.8	1.7	3.3		1.9	1.4	9.0	6.9	6.3	6.3	6.0
31	2.8		3.8	3.0		1.8		8.7		6.1		6.0
	85.5	162.6	1311.9	11543.5	3922.2	7388	661	315.5	215.9	202.7	196.8	172.9
MEAN	2.76	5.42	42.3	372.	13.5	238.	22.0	10.2	7.19	6.54	6.35	5.76
ACRE- FEET	170.	323.	2600.	22900.	778.	14650.	1310.	626.	428.	402.	390.	343.

Remarks:												
YEAR OR PERIOD	MEAN											61.9
	ACRE-FEET											44920.



STATION E6C-R
LOS ANGELES RIVER below Sepulveda Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'50", LONG. 118°28'10", ON RIGHT (SOUTH) BANK OF OUTLET CHANNEL OF SEPULVEDA DAM, 200 FEET UPSTREAM FROM SEPULVEDA BOULEVARD. ALTITUDE OF GAGE 670 FEET.

DRAINAGE AREA: 155 SQUARE MILES.

RECORDS AVAILABLE: MAY 1943 TO SEPTEMBER 1953, AT STATIONS F5-R AND F5B-R, FROM DECEMBER 19, 1928 TO MARCH 3, 1938 AND FROM APRIL 28, 1938 TO MARCH 27, 1952.

AVERAGE DISCHARGE: 10 YEARS (1943-53) 20.8 SECOND-FeET.

EXTREMES:

1952-53

MAXIMUM DISCHARGE 1480 SECOND-FeET DECEMBER 1, (GAGE HEIGHT 5.91 FEET.)

MINIMUM DAILY DISCHARGE 3.1 SECOND-FeET SEPTEMBER 27.

1943-53

MAXIMUM DISCHARGE 8520 SECOND-FeET JANUARY 15, 1952. (GAGE HEIGHT 14.56 FEET.)

MINIMUM DAILY DISCHARGE 1.3 SECOND-FeET SEPTEMBER 20-22, 24, 25, 1951.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SEPULVEDA FLOOD CONTROL RESERVOIR (CAPACITY, 17,400 ACRE-FeET). SOME DIVERSION ABOVE STATION. CITY OF LOS ANGELES DISCHARGED 5400 ACRE-FeET OF IMPORTED OWENS RIVER WATER FROM CHATSWORTH RESERVOIR INTO LOS ANGELES RIVER ABOVE STATION DURING CURRENT YEAR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
below Sepulveda Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	R. HT. CHANGE TOTAL	METER NO.
666	10-15		USGS	10.3	4.34	1.23	0.96	5.35	.6	22	+01		
667	10-30		"	10.1	4.82	1.10	0.97	5.31	.6	21	+01		
668	11-12		"	8.4	5.81	0.87	1.02	5.06	.6	18	0		
668A	11-20	0943 0951	BLAKELY	13.5	4.24	1.68	1.11	6.9				FC24	
668B	11-28	1025 1033	"	10.5	4.31	1.64	1.08	6.6				"	
669	12-1		USGS	52.0	7.99	3.43	1.63	27.4	.5	28	+10		
670	12-2		"	28.6	23.8	1.84	2.14	43.8	.6	30	-01		
671	12-4	1000 1012	BLAKELY	13.0	3.35	2.83	1.27	9.5	.5	9		FC24	
672	12-11	1026 1034	"	12.8	4.25	1.67	1.26	7.1	.5	10		"	
673	12-17		USGS	10.2	3.82	2.16	1.21	8.27	.6	23	0		
674	12-18	1033 1041	BLAKELY	11.8	3.76	1.57	1.20	5.9	.5	9		FC24	
675	12-24	1315 1323	"	10.0	3.46	2.54	1.25	8.8	.5	10	+01	"	
676	12-30		USGS	10.5	4.98	2.97	1.38	14.8	.6	22	+10		
677	1-15		"	11.5	17.9	3.74	2.33	66.9	.6	25	0		
678	1-30		"	9.3	4.32	2.80	1.28	12.1	.6	20	0		
679	2-5	0950 1002	LUCE	12.6	3.84	1.69		6.5	.5	10		FC41	
680	2-11	0958 1006	"	11.6	3.70	1.43	1.1E	5.3	.5	9	0	"	
681	2-16		USGS	8.5	3.02	2.26	1.17	6.83	.6	18	0		
682	2-26	0950 0959	LUCE	15.0	4.98	1.63	1.18	8.1	.5	10		FC41	
683	2-28		USGS	8.3	3.27	2.24	1.18	7.34	.6	18	0		
684	3-12	0925 0939	LUCE	16.0	3.85	1.69	1.17	6.5	.6	11		FC41	
685	3-14		USGS	8.4	3.73	1.70	1.15	6.34	.6	18	-01		
686	3-26	0800 0812	LUCE	13.5	4.60	1.74	1.33	8.0	.6	11		FC41	
687	3-31		USGS	8.6	4.98	1.43	1.21	7.13	.6	18	0		
688	4-9	0925 1010	LUCE	14.0	3.86	1.35	1.12	5.2	.5	10	0		
689	4-15		USGS	8.3	4.55	1.40	1.14	6.38	.6	18	0		
690	4-23	1112 1120	LUCE	11.0	3.86	1.81		7.0	.5	8		FC41	
691	4-30		USGS	8.1	3.66	2.28	1.09	8.36	.6	17			
692	5-7	0800 0812	LUCE	17.0	3.48	1.35	1.04	4.7	.5	10	0	FC41	
693	5-15		USGS	8.4	5.70	0.87	0.98	4.94	.6	19	0		
694	5-21	0725 0743	LUCE	12.6	7.64	0.94	1.15	7.2	.6	8		FC41	
695	5-29		USGS	7.9	4.05	1.88	1.10	7.63	.6	17	0		
696	6-11	1000 1012	WHISLER	11.2	4.37	1.35	1.06	5.9	.5	6	0	FC5	
697	6-15		USGS	8.2	6.63	2.53	1.54	16.8	.6	18	0		
698	6-25	0740 0748	LUCE	7.0	2.54	2.13	1.01	5.4	.5	9		FC41	
699	7-1		USGS	5.9	2.70	2.04	1.02	5.50	.6	15			
700	7-9	0725 0737	LUCE	14.2	4.37	1.12	0.97	4.9	.5	10		FC41	
701	7-20		USGS	9.7	8.66	3.15	1.83	27.3	.2	8.5	21	0	
702	7-23	0748 0756	LUCE	10.8	14.0	3.24	2.16	45.2	.6	8	0	FC41	
703	7-30		USGS	21.5	24.9	2.13	2.20	53.1	.6	23	+01		
704	8-6	0945 0955	LUCE	15.7	18.1	2.59	2.15	47.0	.6	10	0	FC41	
705	8-14		USGS	16.0	12.2	2.53	1.77	30.9	.6	18	0		
706	8-20	1100 1115	LUCE	18.7	9.70	2.42	1.73	23.5	.5	6	0	FC41	
707	8-28		USGS	15.0	11.7	2.15	1.81	25.1	.6	16	+01		
708	9-2-		"	13.0	14.0	2.26	0.61	31.6	.6	24	0		
709	9-3	1530 1544	LUCE	12.6	8.43	3.42	0.61	28.9	.6	9	0	FC41	
710	9-10	1415 1430	DE MARS	14.0	4.58	2.31	0.40	10.6	.6	10	-03	FC34	
711	9-15		USGS	17.3	4.86	2.41	0.36	11.7	.5	23	+03		
712	9-24	1135 1147	LUCE	23.0	12.4	1.94	0.56	24.1	.6	14		FC41	
713	9-25		USGS	27.7	10.8	2.30	0.55	24.8	.6	5	0		

FORM Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E5C-R

Daily discharge, in second-feet of LOS ANGELES RIVER below Sepulveda Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.5	5.7	12.4	12	12	7.2	6.8	6.8	7.2	5.6	5.0	3.1
2	5.5	5.7	17.4	12	12	7.2	6.5	6.4	7.5	5.4	4.8	3.1
3	5.5	5.5	1	12	11	7.6	6.4	6.0	7.6	5.1	4.8	3.3
4	5.5	5.5	9.5	12	11	7.8	6.4	5.4	7.2	5.2	4.8	3.3
5	5.5	5.5	8.5	12	9.9	7.3	6.5	5.4	7.8	5.4	4.8	3.3
6	5.5	5.5	11.2	28	9.3	7.0	6.1	5.1	7.3	5.4	4.7	3.3
7	7.7	5.4	9.9	23	9.3	6.7	6.0	4.8	7.0	5.0	4.1	3.3
8	7.7	10.0	11	35	9.2	6.7	5.9	5.1	6.5	5.0	4.0	3.0
9	7.7	9.0	9.9	21	9.0	6.7	5.9	5.0	6.4	5.2	4.1	1.2
10	6.8	6.7	6.0	6.0	9.0	6.5	5.7	4.9	7.5	5.5	3.9	1.1
11	6.8	5.5	8.8	6.4	8.3	6.5	5.9	4.8	5.7	8.6	4.0	8.4
12	6.8	5.5	8.8	6.4	8.0	6.5	5.1	4.8	11	1.6	3.5	7.0
13	6.8	5.5	8.8	13.4	7.5	6.4	5.5	4.8	11.7	1.7	3.3	6.4
14	6.8	5.5	8.8	8.2	7.5	6.0	5.7	5.4	17	2.1	2.9	6.4
15	6.8	3.2	8.8	6.7	7.5	6.0	5.5	5.4	17	2.1	2.9	2.0
16	6.8	5.5	8.8	6.7	7.3	6.1	6.7	5.1	17	2.9	2.7	9.0
17	6.8	9.5	8.8	6.7	7.3	6.3	6.5	5.2	18	2.1	2.5	9.0
18	6.8	7.6	8.8	7.0	7.5	6.4	6.8	5.4	18	2.3	2.3	9.0
19	6.8	7.2	8.8	7.2	7.2	6.3	6.8	5.5	12	3.0	2.3	9.0
20	6.8	5.7	18	7.2	7.2	1.4	5.6	5.7	5.9	2.8	2.4	2.6
21	6.8	7.2	11.6	7.3	7.2	1.3	2.0	6.7	5.6	3.9	3.1	2.6
22	6.8	8.3	11.2	7.3	7.2	1.2	1.0	6.0	5.7	4.4	3.2	2.7
23	6.8	7.0	11.2	5.8	7.9	1.1	7.0	4.9	5.7	4.4	2.9	2.5
24	6.8	7.7	11.1	1.6	8.1	1.0	5.0	4.8	5.6	4.3	2.7	2.6
25	6.8	6.3	11.2	1.5	8.1	9.5	6.0	4.7	5.5	4.4	2.6	2.5
26	6.8	6.3	11.2	1.5	8.1	9.0	5.0	4.8	5.5	4.4	2.6	2.5
27	6.8	6.5	11.2	1.4	7.6	8.6	5.0	4.8	5.7	4.4	2.9	7.0
28	6.8	6.3	6.2	1.3	7.5	8.1	2.0	1.3	5.7	4.4	2.7	3.4
29	6.8	7.9	1.7	1.3	7.8	7.8	1.0	7.8	6.3	4.8	2.8	3.9
30	6.8	5.8	7.3	1.2	7.5	7.5	8.0	7.3	5.9	5.0	3.0	3.9
31	6.8	4.8	4.8	1.2	7.0	7.0	7.0	7.0	5.0	5.0	3.0	3.9
TOTAL	108.2	93.3	93.3	129.9	241.0	245.3	295.0	183.9	268.5	768.6	105.8	543.5
MEAN	3.51	2.11	3.01	4.19	8.61	7.91	9.83	5.93	8.95	24.8	34.1	18.1
ACRE- FEET	357	1260	1850	2580	478	487	585	365	533	1520	2100	1080

Remarks: YEAR MEAN 18.2
OR PERIOD ACRE-FEET 13200

STATION F299-R
LOS ANGELES RIVER at Radford Avenue

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

DRAINAGE AREA: 183.0 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: A STEVENS TYPE A35-B CONTINUOUS RECORDER INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON FEBRUARY 21, 1950 AND IN SERVICE TO SEPTEMBER 30, 1953.

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

RECORDS AVAILABLE: RECORDER RECORDS FROM FEBRUARY 21, 1950 TO SEPTEMBER 30, 1953.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
AT Radford Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	WTH. INS	DEP. INS	MEAN VELOCITY NO.	D. HT. CHANGE TOTAL	WATER NO.
62	10-18	1133	BLAKELY	11.0	4.62	0.74	0.20	3.4		5.8	0		FC24
63	11-8	1105	"	TWO	CHANNELS	0.19		3.4		5.12	0		"
64	11-21	1430 1503	THOMAS	"	"	0.32	19.6	SURF		5.16	-.03		FC42
65	2-1	1520 1524	BLAKELY	6.0	5.16	3.68	0.27	19.0		6.5	0		FC24
66	5-15	1136	"	6.0	3.60	2.80	0.27	10.1		6.5	0		"
67	9-18	1108	"	6.0	3.13	2.59	0.29	8.1		6.5	0		"

STATION F300-R
LOS ANGELES RIVER at Tujunga Avenue

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

DRAINAGE AREA: 408 SQUARE MILES.

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

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

RECORDER: INSTALLED OVER A 48-INCH DIAMETER CONCRETE STILLING WELL ON MAY 8, 1950. A STEVENS TYPE A35-B CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: SUBJECT TO SAME REGULATION AS STATION F58-R AND STATION F105B-R, AND IN ADDITION, FLOW IS REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

RECORDS AVAILABLE: MAY 8, 1950 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 13220 SECOND-FEET JANUARY 15.
MINIMUM 3.1 SECOND-FEET OCTOBER 9.

1952-53
MAXIMUM 2900 SECOND-FEET DECEMBER 1.
MINIMUM 3.5 SECOND-FEET OCTOBER 4.

1950-53
MAXIMUM 13220 SECOND FEET JANUARY 15, 1952.
MINIMUM 2.3 SECOND-FEET VARIOUS TIMES IN 1950-51.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
AT Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INB	METH. CD	HEAL. NO.	S. HY. DISCHARGE TOTAL	METER NO.
81	10-4	1088	BLAKELY	12.0	3.37	1.01	0.37	3.4	.5	8	0	FC24	
82	10-11	1088	"	12.0	3.43	0.96	0.37	3.3	.5	8	0	"	
83	10-18	1158	"	12.0	3.92	1.02	0.40	4.0	.5	8	0	"	
84	10-25	1085	"	12.0	7.10	1.20	0.71	8.5	SURF.	8	.02	"	
85	11-1	1400	"	12.0	3.55	1.07	0.40	3.8	.5	8	0	"	
86	11-8	1148	"	12.0	3.54	1.04	0.38	3.7	.5	8	0	"	
87	11-15	1125 1133	"	12.0	4.25	1.15	0.44	4.9	.5	8	0	"	
88	11-21	1385	THOMAS	12.0	12.5	2.06	1.20	25.8	.6	10	+01	FC42	
89	11-28	1330	BLAKELY	12.0	3.82	1.18	0.43	4.5	.5	8	0	FC24	
90	12-6	1543	"	12.0	5.85	1.09	0.55	6.4	.5	8	0	"	
91	12-10	0826 0834	"	12.0	10.3	1.59	0.92	16.4	.6	8	0	"	
92	12-12	0217 0237	"	52.0	50.8	5.13	3.41	261	EST.	6	10	-.02	
93	12-13	1610	"	12.0	14.0	2.13	1.32	29.8	.6	8	0	"	
94	12-20	1155	"	12.0	17.8	2.28	1.60	40.5	.6	8	0	"	
95	12-27	1144	"	12.0	17.1	2.30	1.60	39.3	.6	8	0	"	
96	12-29	1920 1930	BLAKELY-HANSEN	THREE	CHANNELS	3.40		479	EST.	6	6	-.05	
97	12-30	1214	BLAKELY-GREEN	12.0	37.5	3.92	3.23	147	.6	4	-.04	"	
98	1-3	1214	BLAKELY	12.0	15.3	2.12	1.41	32.4	.6	8	0	"	
99	1-9	1210	"	12.0	4.79	1.42	0.57	6.8	.5	8	0	"	
100	1-14	1540 1548	BLAKELY-WESTLING	12.0	14.7	7.70	0.98	113	.6	5	+01	"	
101	1-14	1618	"	12.0	20.8	11.0	1.19	219	EST.	6	5	0	
102	1-15	1593	"	TWO	CHANNELS	3.86		1160	.6	19	0	"	
103	1-16	0855 0857	"	12.0	36.1	16.3	5.93	5880	.6	11	-.46	"	
104	1-18	0231 0238	"	12.0	554	21.7	7.51	12000	FLOATS		+.08	"	
105	1-20	1600	"	12.0	22.9	9.39	3.30	215	EST.	6	3	FC24	
106	1-25	1313 1347	"	12.0	258	12.7	5.10	3280	.5	18	0	"	
107	2-1	1530	BLAKELY	12.0	9.91	2.00	1.00	19.8	.6	8	0	"	
108	2-7	1527	"	12.0	9.64	1.70	0.82	16.4	.6	8	0	"	
109	2-14	1158	"	12.0	7.94	1.64	0.77	13.0	.6	8	0	"	
110	2-25	1138	"	12.0	7.46	1.61	0.75	12.0	.6	8	0	"	
111	2-28	1184	"	12.0	6.96	1.62	0.73	11.3	.6	8	0	"	
112	3-6	1520 1528	"	12.0	7.61	1.66	0.80	12.6	.6	8	0	"	
113	3-7	1102	BLAKELY-WESTLING	12.0	216	11.6	4.70	2500	.6	11	-.20	"	
114	3-9	1700	"	12.0	21.5	3.63	2.20	78.0	.6	8	0	"	
115	3-11	1317	BLAKELY	12.0	13.1	2.01	1.23	26.4	.6	8	0	"	
116	3-27	1325	"	12.0	16.0	2.08	1.41	33.2	.6	8	0	"	
117	4-4	1238	"	12.0	11.5	2.25	1.14	25.9	.6	8	0	"	
118	4-10	1344 1350	"	12.0	29.5	3.30	2.45	97.3	.6	5	-.10	"	
119	4-17	1307 1315	"	12.0	11.9	1.92	1.12	22.9	.6	8	0	"	
120	4-24	1257 1266	"	12.0	11.4	1.76	0.99	20.1	.6	8	0	"	
121	5-1	1243	BLAKELY-BOBICK	12.0	6.23	2.60	0.95	16.2	.6	8	0	"	
122	5-8	1328	BLAKELY	12.0	9.70	1.70	0.91	16.5	.6	8	+01	"	
123	5-15	1200 1208	"	12.0	7.94	1.65	0.79	13.1	.6	8	0	"	
124	5-22	1235 1243	"	12.0	8.21	1.69	0.78	13.9	.6	8	+01	"	
125	5-29	1240	"	12.0	6.90	1.61	0.76	11.1	.6	8	0	"	
126	6-5	1225	"	12.0	7.30	1.68	0.76	12.3	.6	8	0	"	
127	6-11	1244	"	12.0	7.92	1.49	0.72	11.7	.6	8	0	"	
128	6-19	1300 1308	"	12.0	7.15	1.90	0.79	13.6	.5	8	0	FC35	
129	6-26	1228	"	12.0	5.97	1.69	0.69	10.1	.5	8	0	FC24	
130	7-3	1018 1019	THOMAS	12.0	6.65	1.37	0.69	9.1	.5	10	0	FC42	
131	7-10	1054	BLAKELY	12.0	7.20	1.39	0.70	10.0	.5	8	0	FC24	
132	7-17	1120	"	12.0	6.14	1.71	0.72	10.5	.5	8	0	"	
133	7-24	1120	"	12.0	8.19	1.37	0.78	11.2	.6	8	0	"	
134	8-1	1118	"	12.0	6.84	1.65	0.73	11.3	.6	8	0	"	
135	8-7	1025	"	12.0	6.92	1.76	0.76	12.2	.6	8	0	"	
136	8-14	1223	"	12.0	7.86	1.45	0.76	11.4	.5	8	0	"	
137	8-21	1055 1077	HYDE-BLAKELY	12.0	6.21	1.68	0.68	10.4	.5	8	0	"	
138	8-28	1252 1260	BLAKELY	12.0	6.80	1.51	0.69	10.3	.5	8	0	"	
139	9-4	1245	"	12.0	6.08	1.45	0.61	8.8	.5	8	0	"	
140	9-11	1220	"	12.0	6.71	1.53	0.66	10.3	.6	8	0	"	
141	9-18	1125	"	12.0	6.36	1.47	0.64	9.4	.5	8	0	"	
142	9-25	1123	"	12.0	6.23	1.38	0.62	8.6	.5	8	0	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Tujunga Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1932

NO.	DATE	REC'D. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAIN INCH.	METH. EMP.	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
143	10-2	1302 1010	BLAKELY	12.0	7.00	1.34	0.67	9.4	.6	8	0		FC24
144	10-9	1344 1362	"	12.0	6.67	1.82	0.68	10.8	.6	8	0		"
145	10-16	1304 1312	"	12.0	6.16	1.35	0.62	8.3	.5	8	0		"
146	10-22	1303 1308	"	12.0	6.35	1.29	0.63	8.2	.6	8	0		"
147	10-30	1302 1312	"	12.0	7.02	1.10	0.67	7.7	.5	8	0		"
148	11-6	1310 1320	"	12.0	7.36	1.07	0.72	7.9	.6	8	0		"
149	11-13	1330 1335	"	12.0	6.30	1.27	0.62	8.0	.6	8	0		"
150	11-14	1245 1330	"	130.	124.	5.13	3.78	636.	EST.	12	-.06		"
151	11-15	1345 1345	THOMAS	120.	123.	7.09	3.84	873.	.6	20	-.15		FC42
152	11-15	1340 1345	"	120.	147.	8.91	4.02	1310.	.6	15	-.08		"
153	11-16	1343 1345	BLAKELY-HYDE	12.0	14.7	3.28	1.60	47.8	.6	8	0		FC35
154	11-20	1343 1351	BLAKELY	12.0	5.63	2.07	0.77	11.6	.5	8	0		FC24
155	11-23	1150 1158	"	12.0	6.31	1.52	0.67	9.6	.5	8	0		"
156	12-1	2153 2228	THOMAS	123.	223.	10.4	4.54	2330.	.6	17	-.19		FC42
157	12-2	1110 1118	BLAKELY-WANLEY	12.0	16.4	5.49	2.30	90.0	.6	8	-.07		FC24
158	12-4	1308 1308	BLAKELY	12.0	6.88	2.21	0.82	14.8	.5	8	0		"
159	12-11	1225 1231	"	12.0	6.16	1.65	0.73	10.2	.5	8	0		"
160	12-18	1217 1231	ARRIGO-BLAKELY	12.0	5.72	1.76	0.72	10.1	.5	8	0		"
161	12-24	1339 1413	BLAKELY	12.0	5.92	1.77	0.70	10.5	.6	8	0		"
162	12-31	1305 1323	WATKINS-BLAKELY	12.0	14.8	2.61	1.42	38.6	.6	8	-.04		"
163	1-8	1335 1350	BLAKELY	12.0	14.8	4.86	2.12	72.0	.6	6	+.07		"
164	1-15	1138 1145	"	12.0	24.1	2.97	2.15	71.6	.6	8	0		"
165	1-22	1417 1425	"	12.0	25.7	2.93	2.23	75.4	.6	8	0		"
189	6-25	3856 3856	"	12.0	6.10	1.13	0.62	6.9	.5	10	0		"
190	7-2	3850 3850	"	12.0	5.87	1.34	0.59	7.9	.5	10	+.02		"
191	7-9	1312 1325	"	12.0	5.82	1.30	0.59	7.2	.6	10	0		"
192	7-16	1333 1351	LUCE-GODFREY	12.0	14.7	2.12	1.25	31.2	.6	10	0		"
193	7-23	3853 3858	LUCE	12.0	18.7	2.60	1.74	52.4	.6	10	-.01		"
194	7-30	3858 3857	"	12.0	19.7	2.31	1.75	45.4	.6	9	+.01		"

NO.	DATE	REC'D. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAIN INCH.	METH. EMP.	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
166	1-26	1333 1333	LUCE-BLAKELY	12.0	8.75	1.49	0.85	13.0	.6	8	0		"
167	2-5	1218 1236	LUCE	12.0	5.70	1.49	0.67	10.0	.5	8	0		FC41
168	2-11	1184 1184	"	12.0	6.61	1.26	0.64	8.3	.6	9	0		"
169	2-19	0946 0954	"	12.0	6.64	1.45	0.65	9.6	.6	9	0		"
170	2-26	1007 1015	"	12.0	8.39	1.53	0.78	13.8	.6	10	0		"
171	3-5	0958 1008	LUCE-WHISLER	12.0	6.71	1.31	0.64	8.8	.6	9	0		"
172	3-12	1018 1028	LUCE	12.0	7.18	1.18	0.67	8.5	.6	9	0		"
173	3-19	1006 1015	LUCE-DE WARS	12.0	7.82	1.27	0.72	9.9	.6	9	+.01		"
174	3-26	0930 0940	LUCE	12.0	7.27	1.29	0.68	9.4	.6	9	0		"
175	4-2	0742 0752	"	12.0	7.17	1.26	0.68	9.0	.6	10	0		"
176	4-9	1118 1118	"	12.0	7.26	1.31	0.69	9.5	.6	10	+.02		"
177	4-16	1001 1000	"	12.0	8.21	1.27	0.75	10.4	.5	11	0		"
178	4-21	1033 1040	"	12.0	19.9	2.84	1.80	56.5	.6	9	+.02		"
179	4-23	1235 1243	"	12.0	6.80	1.53	0.69	10.4	.6	10	0		"
180	4-28	1212 1224	"	12.0	10.4	3.23	1.13	23.2	.6	10	-.02		"
181	4-30	1309 1319	"	12.0	7.31	1.35	0.71	9.9	.6	9	0		"
182	5-7	1300 1306	"	12.0	6.57	1.34	0.63	8.8	.5	8	0		"
183	5-14	0931 0940	"	12.0	6.71	1.16	0.65	7.8	.5	8	0		"
184	5-21	0950 0950	"	12.0	8.49	1.21	0.79	10.3	.6	9	0		"
185	5-28	1305 1305	"	12.0	9.75	1.34	0.90	13.1	.6	9	0		"
186	6-4	1155 1200	WHISLER	12.0	6.16	1.55	0.72	9.6	.6	12	0		FC5
187	6-11	1149 1149	"	12.1	6.36	1.41	0.66	9.0	.6	11	0		"
188	6-11	1149 1149	"	12.1	6.36	1.41	0.66	9.0	.6	11	0		"
189	6-18	1115 1121	"	12.0	19.7	2.38	1.75	46.8	.6	9	0		"
196	8-13	3815 3830	"	12.0	14.5	1.77	1.28	25.6	.6	10	0		"
197	8-20	1376 1376	"	12.0	13.6	1.78	1.22	24.2	.6	10	+.01		"
198	8-27	1105 1112	"	12.0	15.4	2.13	1.40	32.4	.6	10	0		"
199	9-3	1642 1654	"	12.0	16.4	1.85	1.41	33.3	.5	9	0		"
200	9-10	1340 1350	DE WARS	5.0	3.01	3.26	0.77	9.9	.6	7	0		FC34
201	9-17	3852 1000	LUCE	12.0	6.06	1.24	0.59	7.5	.6	10	0		FC41
202	9-24	1358 1360	"	12.0	13.9	1.75	1.22	24.4	.6	9	0		"

60741N P. C. 1044. 52 8-18

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Sta. No. F30-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue for the year ending September 30, 1932

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	3.5	11.0	2.7	19.8	2.5	2.0	16.5	11.8	9.5	10.8	8.5
2	3.2	3.6	13.1	3.0	19.2	12.0	2.5	16.2	12.0	9.3	11.0	8.9
3	3.5	3.4	5.4	3.3	18.7	12.0	2.2	15.0	11.6	8.7	11.2	8.7
4	3.3	3.4	19.0	3.4	18.1	12.0	2.6	14.8	11.8	8.3	11.0	8.9
5	3.4	3.6	6.3	3.3	17.5	12.0	2.4	15.5	11.8	8.3	13.8	8.3
6	3.7	3.8	8.2	4.7	17.0	7.4	2.3	15.0	12.2	8.5	13.5	8.3
7	3.3	3.6	5.4	14.5	16.4	24.6	10.0	15.5	12.8	8.5	12.5	8.7
8	3.2	4.3	5.8	15.4	15.9	16.0	10.5	16.0	12.8	8.7	12.5	8.9
9	3.1	4.0	15.0	7.3	15.4	7.8	3.0	15.5	12.0	8.7	10.8	10.8
10	3.3	4.2	16.8	6.5	14.9	6.0	9.6	15.2	12.0	10.0	12.8	10.8
11	3.6	4.3	2.0	6.5	14.5	2.8	4.0	14.2	12.0	9.5	11.2	11.2
12	3.4	4.4	22.9	6.65	14.0	2.6	2.3	14.0	12.0	9.5	11.0	12.2
13	3.3	4.4	3.3	26.1	13.5	2.8	2.3	15.2	12.0	10.5	12.5	10.8
14	3.3	4.8	3.1	6.4	13.0	2.1	2.3	14.8	11.8	10.2	11.5	9.3
15	3.5	4.9	3.3	24.10	12.8	4.640	2.3	14.5	12.0	9.5	12.0	8.9
16	3.5	4.8	3.3	12.770	12.8	1.800	2.3	14.2	11.8	9.3	10.8	8.7
17	3.8	4.9	3.3	12.250	12.6	3.500	2.3	14.2	12.0	10.0	10.0	8.7
18	4.0	4.6	3.6	15.360	12.6	2.855	2.3	14.0	13.8	10.0	10.0	8.9
19	4.4	5.9	3.40	12.5	12.5	2.75	5.5	14.2	12.8	10.5	10.0	9.5
20	4.0	1.20	4.0	2.20	12.4	2.40	3.8	15.8	11.8	10.0	10.2	11.2
21	4.4	2.4	4.1	1.80	12.3	1.80	3.5	15.5	11.8	9.8	10.2	8.9
22	4.4	9.3	3.9	1.80	12.2	1.45	3.2	15.5	11.5	10.0	10.2	8.3
23	4.4	4.9	3.9	3.60	12.1	1.35	2.8	14.2	10.8	10.0	10.2	8.5
24	5.7	4.9	3.9	9.40	12.0	1.37	2.0	12.8	11.5	10.0	10.2	8.5
25	3.1	4.3	4.0	3.180	12.0	1.8	2.0	12.0	12.2	10.0	10.0	8.7
26	3.7	4.3	3.9	1.70	12.0	1.8	3.5	12.0	11.2	12.5	9.5	8.7
27	3.2	4.3	3.9	3.0	12.0	3.3	17.0	12.2	9.8	11.5	9.8	8.5
28	3.4	4.8	4.3	4.5	12.0	2.9	17.0	11.8	9.8	11.0	10.2	8.5
29	3.5	4.8	5.35	4.5	12.0	2.5	2.0	11.2	10.5	11.2	11.0	8.7
30	3.5	4.4	2.59	4.5	12.0	2.2	2.4	11.0	10.0	11.2	10.8	9.1
31	3.4		2.4	4.5	12.0	3.5		11.2		12.2	11.0	8.9
145.3												
1846.8												
455.4												
1083.0												
351.1												
342.2												
296.5												
2000.7												
1127.0												
440.9												
311.4												
276.4												
MEAN	4.69	4.98	59.6	6.5.	15.7	36.	36.1	14.2	11.7	11.0	11.0	9.2
ACRE-FEET	224.	522.	3660.	3940.	993.	2760.	2150.	875.	606.	612.	679.	542.
Remarks:												YEAR OR PERIOD
												MEAN
												1931.
												PERCENT
												77.0.

NOTES Q 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

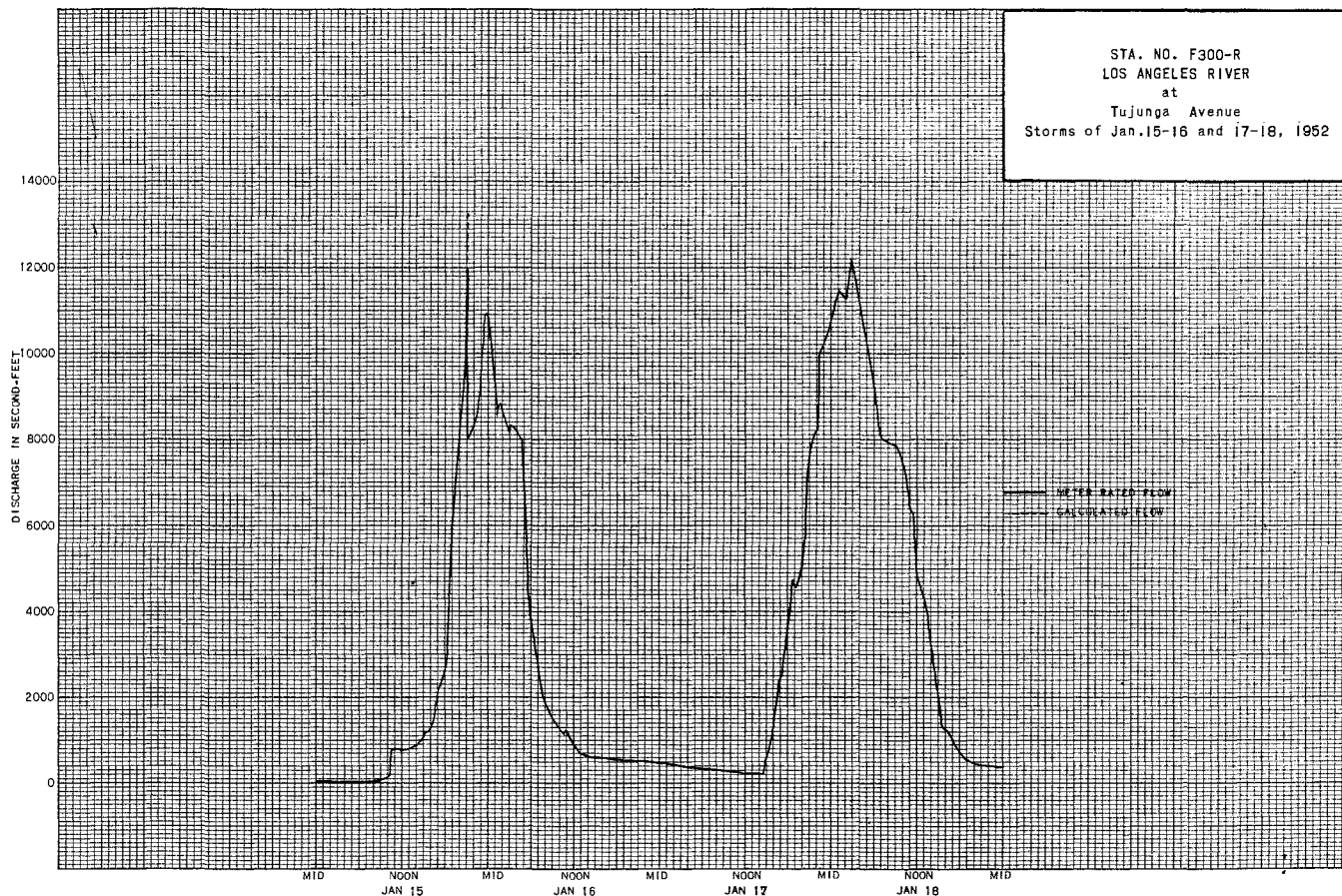
Sta. No. F300-R

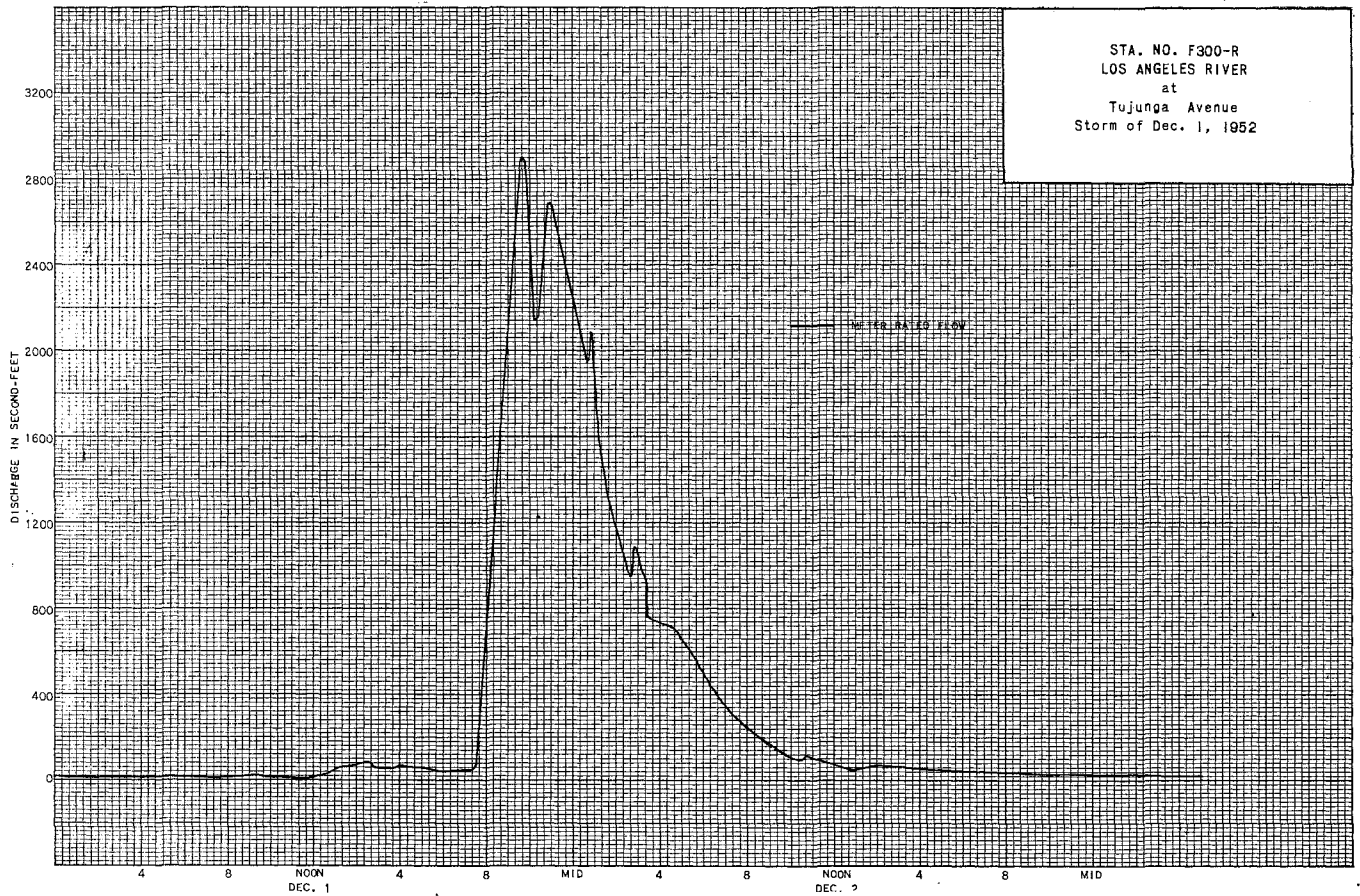
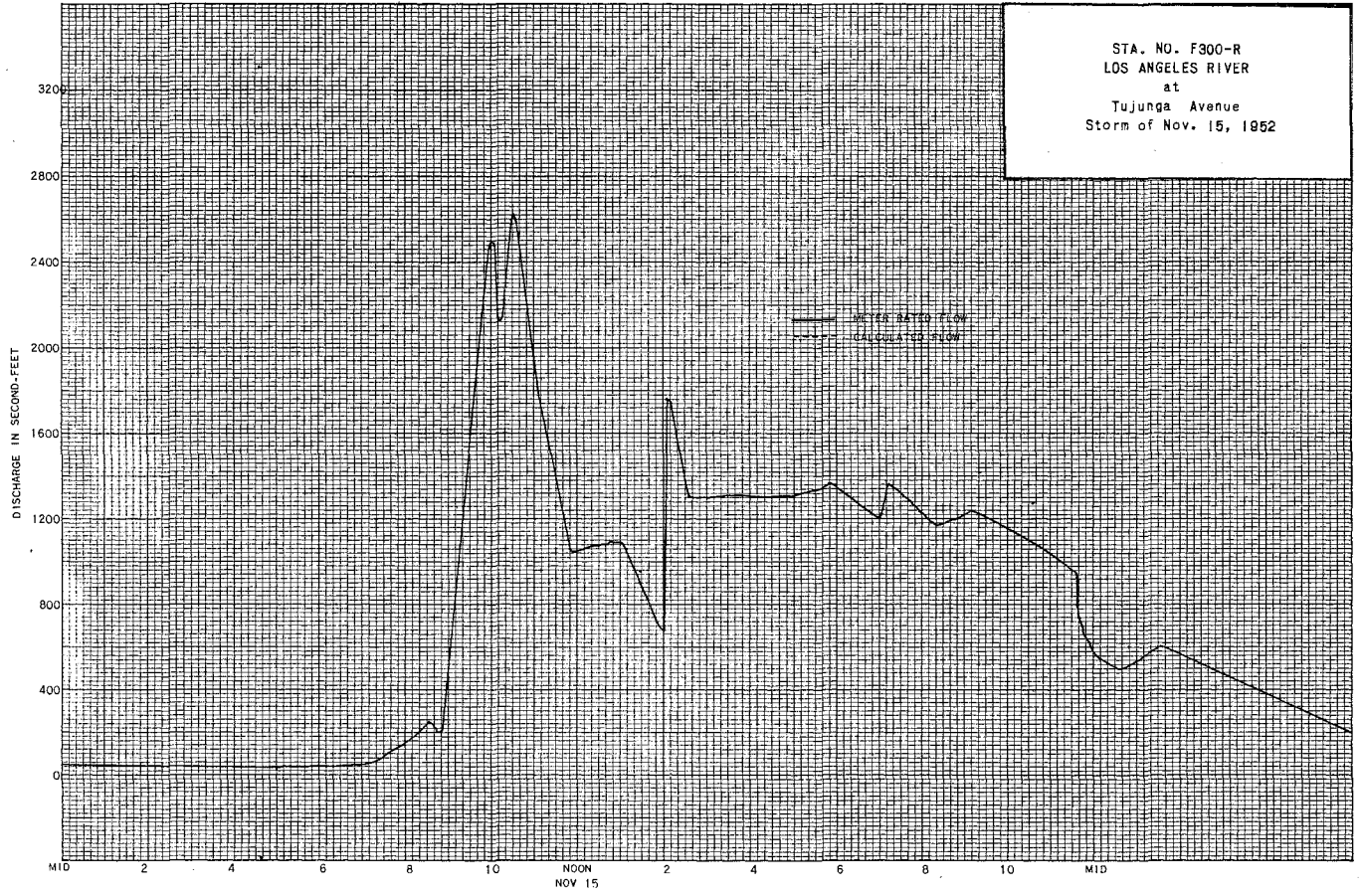
Daily discharge, in second-feet of LOS ANGELES RIVER at Tujunga Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	8.8	39.7	17.2	12.5	10.8	8.7	8.9	8.7	7.8	4.6	2.9
2	9.5	8.5	35.4	14.5	12.2	11.0	9.3	9.1	8.9	7.9	4.6	3.0
3	9.5	8.3	31	14.2	12.5	11.0	9.1	8.7	8.9	7.9	4.6	3.0
4	8.7	7.7	15.5	13.8	12.8	10.5	8.9	8.5	9.1	8.9	4.6	3.1
5	8.7	7.7	13.5	13.8	12.2	8.9	8.9	9.5	9.5	9.3	4.6	3.0
6	8.3	7.7	20	60	11.5	9.3	8.9	9.3	8.9	7.1	4.6	3.0
7	9.3	7.5	13	44	11.2	9.1	9.1	8.3	9.3	7.1	3.7	3.0
8	10.5	7.4	13.8	47	13.8	9.1	8.7	8.5	9.1	7.8	3.6	2.7
9	11.5	13.5	11	25	10.2	9.1	11.7	8.1	10.2	7.3	3.5	13.2
10	9.3	10.5	10.5	63	10.4	8.9	8.9	7.9	10.5	7.9	3.4	10.2
11	8.7	8.1	10.5	69	9.8	8.9	8.9	7.7	8.5	11.2	3.3	9.3
12	7.7	8.1	10.0	237	9.8	8.7	8.9	8.3	16.2	119.0	2.8	9.1
13	7.7	11.1	10.0	108	10.5	8.5	10.5	7.9	18.5	23	2.4	6.5
14	7.7	11.5	10.0	72	10.0	8.5	9.8	7.9	18.5	23	2.5	7.3
15	7.9	8.1	10.5	72	10.0	9.1	11.0	8.9	18.2	2.9	2.4	8.1
16	8.7	15.4	10.5	72	10.0	9.5	11.0	8.5	19.5	2.5	2.4	8.7
17	9.3	11.8	11.0	70	9.8	9.7	11.5	7.5	19.8	2.2	2.4	8.3
18	9.9	11.3	10.5	72	9.8	11.0	13.5	8.3	15.8	3.3	2.4	8.3
19	8.5	11.1	8	72	10.0	11.0	13.5	9.1	9.1	3.3	2.4	17.0
20	8.7	11.1	8	72	10.0	24	13.5	9.1	9.1	3.3	2.4	22.0
21	9.3	10.8	22	77	10.0	9.5	13.5	10.2	7.9	4.8	3.0	22.0
22	9.8	10.8	13	76	9.5	9.1	13.5	10.2	7.5	4.8	3.0	22.0
23	8.9	17.1	13.8	65	13.3	9.3	11.2	11.0	7.9	5.2	3.2	22.5
24	9.1	9.5	11.8	15.1	12.5	9.8	10.0	10.0	7.1	5.2	3.1	22.5
25	8.7	9.8	10.8	13.2	12.0	9.8	9.8	10.5	7.1	4.8	3.1	22.5
26	8.5	9.8	10.8	13.2	12.5	9.5	9.5	10.5	7.7	4.8	3.1	13.4
27	8.1	9.9	11.5	12.5	10.5	8.9	8.7	22	8.1	4.8	3.2	6.9
28	8.4	9.9	12.1	12.3	10.8	8.7	4.2	20	8.9	4.7	3.1	6.7
29	8.1	4.1	1.9	12.2		8.5	11.2	9.3	8.5	4.6	3.0	6.5
30	8.1	1.5	2.2	12.2		8.3	10.0	8.7	7.3	4.6	3.0	6.5
31	8.7		2.2	12.2		8.7		8.7		4.6	3.0	
TOTAL	275.4		2066.7		309.4		670.2		324.1		101.4	
MEAN	8.88	56.6	66.7	49.8	11.1	9.82	22.8	9.66	10.8	27.3	32.7	17.8
ACRE-FEET	546.	3370.	4100.	3060.	614.	604.	1330.	594.	643.	1680.	2010.	1060.

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 27.1 '9610.





STATION F268-R
LOS ANGELES RIVER at Mariposa Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'17", LONG. 118°18'40", ON THE LEFT (NORTH) CHANNEL WALL ABOUT 60 FEET EAST FROM THE CENTER LINE OF MARIPOSA STREET EXTENDED, AND ABOUT 2 MILES SOUTHEAST OF BURBANK. ELEVATION OF ZERO GAGE HEIGHT, 468.61 FEET.

DRAINAGE AREA: 430 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE 130 FEET WIDE WITH 18-FOOT VERTICAL SIDE WALLS. BOTTOM FORMS A REGULAR TRAPEZOIDAL SECTION 130 FEET X 1.25 FEET DEEP, OF WHICH THE BOTTOM 82 FEET IS FLAT. CHANNEL FORMS CONTROL. CHANNEL BOTTOM USUALLY COVERED BY MUD, MOSS AND GRASS DURING SUMMER MONTHS.

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

RECORDER: INSTALLED DECEMBER 20, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4.3 FT. CONCRETE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 12740 SECOND-FOOT JANUARY 18,
MINIMUM NO FLOW SEPTEMBER 9 TO 30.
1952-53
MAXIMUM 4910 SECOND-FOOT NOVEMBER 15,
MINIMUM NO FLOW OCTOBER 1 TO 12.
1938-53
MAXIMUM 12740 SECOND-FOOT JANUARY 18, 1952.
MINIMUM NO FLOW SEPTEMBER 9, 1952 TO OCTOBER 12, 1952.

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

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
AT ~~NEAR~~ Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DS	MEAN SEC. NO.	S. FT. CHANGE TOTAL	METER NO.
664	10-25	1002 1014	BLAKELY	83.0	17.8	1.24	0.20	22.1		5	13	0	FC24
665	11-20	1144 1154	"	88.0	22.4	1.72	0.27	38.6		5	13	0	"
666	12-4	2333 2345	BLAKELY-HANSEN	100.0	88.9	3.86	0.53	266		6	15	0	"
667	12-5	1507 1515	"	84.0	17.0	1.39	0.20	23.4		5	10	0	"
668	12-12	0316 0328	BLAKELY-THOMAS	96.0	62.2	4.91	0.59	305		6	11	-.02	"
669	12-14	1126 1138	BLAKELY	86.0	16.8	1.30	0.19	21.9		5	10	0	"
670	12-29	0558 0606	"	92.0	30.9	2.06	0.30	63.5		5	10	0	"
671	12-29	2024 2033	BLAKELY-HANSEN	108.0	88.8	6.14	0.75	551		6	12	-.02	"
672	12-30	1624 1631	BLAKELY-GREEN	95.0	50.0	2.90	0.45	145		5	10	0	"
673	1-3	1435 1445	BLAKELY	86.0	20.6	1.24	0.20	25.6		5	10	0	"
674	1-12	2312 2335	BLAKELY-WESTLING	130	207	10.5	1.52	2180		6	12	-.10	"
675	1-15	1233 1245	"	108.0	87.0	6.08	0.75	530		6	12	+.01	"
676	1-18	0449 0456	"	130.0	593	17.9	4.81	10600	FLOATS	6		-.04	"
677	1-20	1402 1412	"	102.0	54.7	4.17	0.64	228		5	10	-.01	FC24
678	1-23	0920 0932	BLAKELY-KASIMOFF	101.0	49.0	3.92	0.44	192		5	10	0	"
679	1-31	1604 1614	BLAKELY	92.0	21.0	2.16	0.22	45.4		5	10	0	"
680	2-7	1150	L.A.W.D.	COMPOSITE MEASUREMENTS			0.12	19.1				0	
681	2-14	1220	"	"	"	"	0.11	14.1				0	
682	3-7	1502 1517	BLAKELY-WESTLING	129.0	164	8.53	1.25	1400		6	14	-.07	FC24
683	3-9	1741 1753	"	93.0	25.4	2.65	0.31	67.2		5	13	0	"
684	3-17	1400 1430	LANG	109.0	69.5	5.12	0.74	355		6	19	0	FC12
685	3-20	1237 1255	"	108.0	62.0	4.57	0.53	284		6	14	0	"
686	4-10	1330 1340	BLAKELY	102.0	69.2	4.28	0.37	296		6	10	0	FC24

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
AT ~~NEAR~~ Mariposa Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DS	MEAN SEC. NO.	S. FT. CHANGE TOTAL	METER NO.
687	11-15	1140 1157	BLAKELY-HYDE	130	167	10.9	1.55	1820		6	11	-.28	FC35
688	11-16	1215 1223	"	92	25.0	1.94	0.26	48.5		6	10	0	"
689	12-1	2215 2238	BLAKELY-MANLEY	130	271	11.0	2.26	2960		6	9	-.18	FC24
690	12-4	1208 1220	BLAKELY	COMPOSITE			0.17	17.2		6	13	"	"
691	12-18	1346 1346	ARRIGO-BLAKELY	18.2	11.5	1.53	0.17	17.6		6	12	0	"
692	12-31	0655 0666	BLAKELY-WATKINS	90.0	27.2	1.96	0.30	50.5		5	11	-.01	"
693	1-6	1504 1512	BLAKELY	92.0	34.6	2.49	0.35	86.2		5	10	0	"
694	1-8	0942 0952	"	88.0	26.7	2.02	0.27	54.0		5	10	0	"
695	1-13	1947 1957	"	106	65.2	4.74	0.58	309		6	10	0	"
696	1-15	1375 1375	"	92.0	29.7	2.00	0.31	59.4		5	10	-.01	"
697	1-22	1538 1554	"	89.0	26.1	2.54	0.34	69.0		5	13	0	"
698	1-26	1410 1420	LUCE-BLAKELY	COMPOSITE			0.16	15.5		6	15	"	"

FD-14M F. C. Dist. 53 9-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	b 1.0	b 1.0	3.3	17.0	b 2.2	2.8	b 2.4	2.9	1.7	1.4	1.2	1.1
2	1.0	1.0	14.2	19.0	2.1	13.0	2.9	1.8	1.7	1.4	1.2	1.1
3	1.0	1.0	0.5	2.3	2.1	13.0	2.6	1.6	1.8	1.4	1.2	1.1
4	1.0	1.0	17.0	2.5	2.0	13.0	3.1	1.6	1.8	1.4	1.3	5.0
5	1.0	1.0	7.3	2.9	2.0	13.0	2.8	1.6	1.8	1.4	1.3	0
6	1.0	1.0	5.8	3.8	1.9	7.0	2.7	1.6	1.8	1.4	1.3	0
7	1.0	1.0	1.5	17.8	1.9	299.0	1.20	1.6	1.7	1.3	1.3	0
8	1.0	1.0	b 1.5	12.9	1.8	17.5	1.30	1.6	1.7	1.3	1.3	0
9	1.0	1.0	b 1.5	9.5	1.7	9.2	1.35	1.6	1.6	1.3	1.3	0
10	1.0	1.0	1.1	19.0	1.7	7.4	1.00	1.6	1.6	1.3	1.3	0
11	1.0	1.2	2.5	5.5	1.6	3.8	4.5	1.6	1.5	1.3	1.3	0
12	1.0	1.5	23.3	133.0	1.5	3.3	2.5	1.6	1.5	1.3	1.3	0
13	1.0	1.4	3.2	33.1	1.5	2.3	2.2	1.6	1.5	1.3	1.3	0
14	1.0	1.5	2.1	5.0	1.4	2.3	2.0	1.6	1.5	1.3	1.3	0
15	1.0	1.5	2.1	267.0	1.4	533.0	2.0	1.6	1.5	1.3	1.3	0
16	1.0	1.5	2.1	316.0	1.4	187.0	2.0	1.6	1.5	1.3	1.3	0
17	1.0	1.5	2.1	249.0	1.4	39.1	2.0	1.6	1.5	1.4	1.3	0
18	1.0	1.5	2.1	622.0	1.4	29.8	2.0	1.7	1.5	1.4	1.3	0
19	1.0	4.1	4.3	36.0	1.4	23.0	6.8	1.7	1.5	1.4	1.3	0
20	1.0	11.6	1.2	2.2	1.4	23.4	4.5	1.8	1.5	1.4	1.3	0
21	1.0	2.3	1.5	1.8	1.4	22.0	4.0	1.8	1.5	1.4	1.3	0
22	b 1.0	9.0	1.4	1.9	1.4	1.60	3.4	1.8	1.5	1.4	1.3	0
23	1.0	7.0	1.3	37.0	1.4	1.52	3.4	1.8	1.5	1.4	1.3	0
24	3.0	7.0	1.2	9.50	1.4	1.58	2.8	1.8	1.5	1.4	1.3	0
25	6.5	5.0	1.1	295.0	1.4	1.35	1.00	1.7	1.5	1.4	1.2	0
26	7.3	5.0	1.0	1.90	1.4	9.0	4.0	1.7	1.5	1.4	1.2	0
27	1.0	5.0	1.0	9.5	1.3	6.0	1.9	1.6	1.5	1.3	1.2	0
28	1.0	4.2	1.0	4.8	1.3	4.0	1.9	1.6	1.5	1.3	1.2	0
29	1.0	b 1.5	6.24	4.7	7.6	3.2	2.2	1.6	1.5	1.2	1.2	0
30	1.0	b 1.5	30.8	4.6	2.6	2.6	3.5	1.6	1.4	1.2	1.2	0
31	1.0	b 1.5	17.0	4.5	4.0	4.0	1.6	1.6	1.4	1.2	1.2	0
	103.3		1546.0		524.0		1226.0		471.0		393.0	

MEAN	3.33	8.22	49.9	720.	18.1	425.	40.9	16.9	15.7	13.4	12.7	1.27
ACRE- FEET	205.	489.	3070.	4480.	1040.	26110.	2430.	1320.	934.	825.	780.	75.
Remarks:	YEAR OR PERIOD MEAN 112. ACRE- FEET 81280.											

FD-14M Cb 12-53

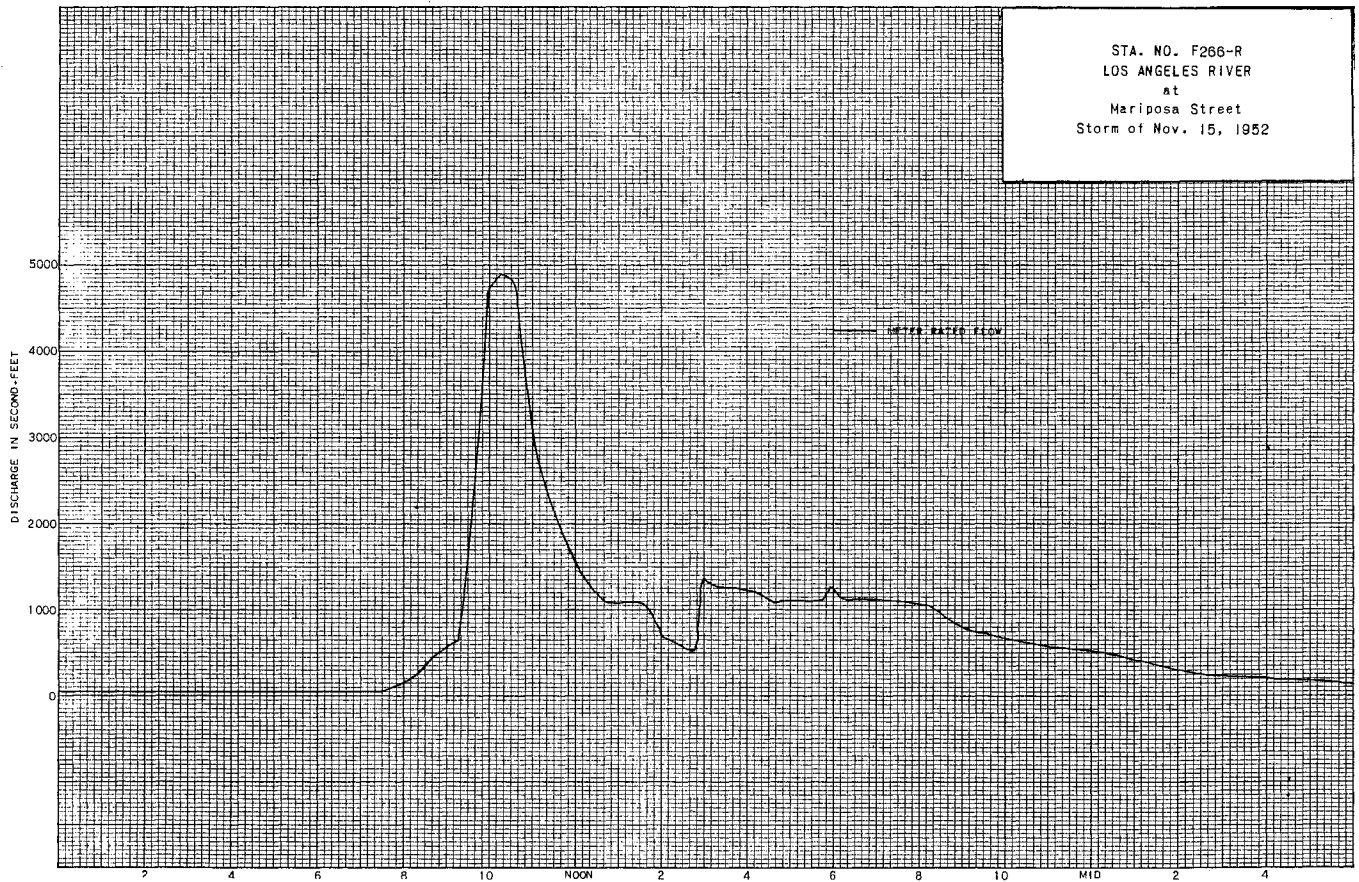
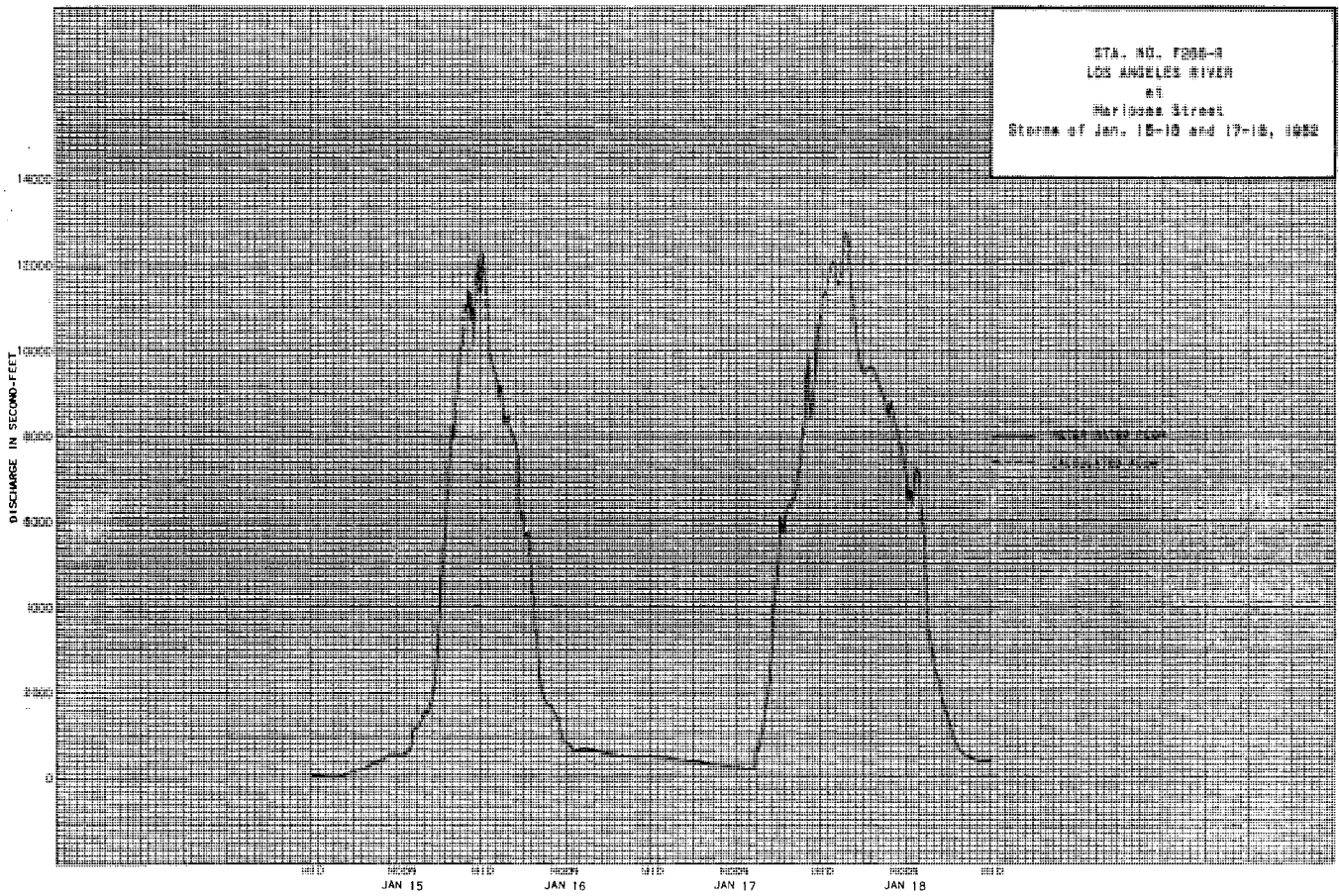
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F266-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Mariposa Street for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	d 0	d 0.2	35.5	15.0	13.0	17.0	11.0	d 0.1	d +	d 0.1	d 0.2	d 0.2
2	0	0.2	26.6	15.0	13.0	15.0	11.0	0.1	+	0.1	0.2	0.2
3	0	0.3	19.0	13.0	13.0	11.0	7.0	0.1	+	0.1	0.2	0.2
4	0	0.3	17.0	15.0	13.0	11.0	1.0	0.1	+	0.1	0.2	0.2
5	0	0.4	15.0	15.0	13.0	11.0	d 1.0	0.1	+	0.1	0.2	0.2
6	0	0.4	17.0	5.6	13.0	13.0	11.0	0.1	d +	0.1	0.2	0.2
7	0	0.4	15.0	5.9	13.0	15.0	7.0	0.1	5.5	0.1	0.2	0.2
8	0	1.57	13.0	4.4	11.0	15.0	d 0.1	0.1	4.3	0.1	0.2	0.1
9	0	1.70	11.0	2.1	9.0	13.0	0.1	0.1	d 0.1	0.1	0.2	0.1
10	0	1.50	11.0	4.4	9.0	13.0	d 0.1	0.1	0.1	0.1	0.2	0.1
11	0	1.30	13.0	4.4	11.0	11.0	0.2	0.1	0.1	0.1	0.2	0.1
12	0	1.10	13.0	4.8	15.0	11.0	0.3	0.1	0.1	0.1	0.2	0.1
13	+	1.10	13.0	1.75	19.0	9.0	0.4	0.1	0.1	0.1	0.2	0.1
14	+	2.08	13.0	8.8	2.3	9.0	0.4	0.1	0.1	0.1	0.2	0.1
15	+	8.89	13.0	5.6	2.5	9.0	0.5	0.1	0.1	0.1	0.2	0.2
16	+	1.04	13.0	6.4	2.3	9.0	0.5	0.1	0.1	0.1	0.2	0.2
17	+	1.30	15.0	8.2	2.5	11.0	0.5	0.1	0.1	0.1	0.2	0.2
18	0	1.10	15.0	7.0	19.0	11.0	0.5	+	0.1	0.1	0.2	0.2
19	0	1.10	15.0	6.4	15.0	13.0	d 0.5	+	0.1	0.1	0.2	0.2
20	0	1.10	7.0	2.5	15.0	2.1	2.66	+	0.1	0.1	0.2	0.2
21	0	1.10	2.5	7.0	15.0	13.0	4.6	+	0.1	0.1	0.2	0.2
22	0	1.52	17.0	5.2	15.0	11.0	d 0.1	+	0.1	0.1	0.2	0.3
23	0	3.0	15.0	5.6	15.0	11.0	d 0.2	+	0.1	0.1	0.2	0.3
24	0	1.30	15.0	17.0	13.0	11.0	d 0.3	0.1	0.1	0.1	0.2	0.3
25	0	1.10	15.0	17.0	13.0	13.0	d 5.0	0.1	0.1	0.1	0.2	0.3
26	0.1	9.0	15.0	15.0	15.0	13.0	12.0	d 0.1	0.1	0.1	0.2	0.3
27	0.1	d 1.0	17.0	15.0	17.0	13.0	9.5	5.6	0.1	0.1	0.2	0.3
28	0.1	+	1.60	13.0	19.0	13.0	5.0	1.70	0.1	0.1	0.2	0.3
29	0.1	2.4	2.9	13.0	13.0	13.0	9.0	d 4.5	0.1	0.1	0.2	0.3
30	0.1	1.46	2.9	13.0	13.0	13.0	7.0	+	0.1	0.1	0.2	0.3
31	d 0.2		2176.0		452.0		543.7		13.5		6.2	

MEAN	0.02	62.7	70.2	43.3	15.4	12.4	18.1	0.94	0.45	0.16	0.20	0.21
ACRE- FEET	1.2	3730.	4320.	2660.	857.	760.	1080.	58.	27.	9.9	12.	12.
Remarks:	+ = 0.05 c.f.s. or less YEAR OR PERIOD MEAN 18.7 ACRE- FEET 13530.											



STATION F57C-R
LOS ANGELES RIVER above Arroyo Seco

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

DRAINAGE AREA: 510 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 177 FEET WIDE AND 29 FEET DEEP WITH A TRAPEZOIDAL INVERT 20 FEET WIDE AT TOP, 16 FEET WIDE AT BOTTOM AND 1 FOOT DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED MAY 26, 1938 AT STATION F57B-R, REMOVED APRIL 5, 1939. INSTALLED AT STATION F57C-R DECEMBER 8, 1939 IN A 4.5 FT. X 4.5 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. A FRIEZ CONTINUOUS RECORDER, FURNISHED BY CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: SUBJECT TO SAME REGULATION AS STATION F266-R. SEVERAL DEBRIS BASINS REGULATE FLOW ON ADDITIONAL TRIBUTARIES. THE LOS ANGELES WATER DEPARTMENT SPILLS SURPLUS FLOW INTO THE CHANNEL FROM WATER DEVELOPED IN THE GRIFFITH PARK AREA.

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

RECORDS AVAILABLE: AT STATION F57-R - DECEMBER 1929 TO MAY 26, 1938.
AT STATION F57B-R - MAY 26, 1938 TO APRIL 5, 1939. APRIL 5, 1939 TO DECEMBER 8, 1939, BI-WEEKLY MEASUREMENTS.
AT STATION F57C-R - DECEMBER 8, 1939 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 25260 SECOND-FOOT JANUARY 16.
MINIMUM 0.5 SECOND-FOOT OCTOBER 4.
1952-53
MAXIMUM 7270 SECOND-FOOT DECEMBER 20.
MINIMUM 0.6 SECOND-FOOT IN SEPTEMBER.
1929-53 (STATIONS F57-R, F57B-R, F57C-R.)
MAXIMUM 68000 SECOND-FOOT ESTIMATED MARCH 2, 1936.
MINIMUM NO FLOW AT TIMES EACH YEAR FROM 1929-30 TO 1933-34.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER
above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INCH	MEAS. SEC. NO.	DI. CHANGE TOTAL	METER NO.
1092	10-4	1159 1206	BLAKELY	5.5	0.76	0.67		0.51	SURF	8	0	FC24
1093	10-25	1425 0943	"	17.5	7.04	2.26	0.46	15.9	SURF	11	-01	"
1094	11-1	0935 0943	"	6.5	1.38	0.65	0.10	0.91		5	7	0
1095	11-8	1340 1346	"	7.5	1.12	0.67	0.11	0.75		5	6	0
1096	11-15	1440 1448	"	5.0	0.92	0.88	0.10	0.81		5	6	0
1097	11-19	2210 2210	"	177.0	138	4.73	1.43	653	SURF	15	-20	"
1098	11-20	1510 1510	"	177.0	201	6.77	1.86	1360		6	16	-29
1099	11-21	1145 1155	"	17.4	6.10	2.30	0.35	14.0		5	11	0
1100	11-29	1440 1448	"	6.0	1.23	0.81	0.09	1.0		5	7	0
1101	12-5	0113 0113	BLAKELY-HANSEN	177.0	167	5.50	1.73	919		6	16	+06
1102	12-5	1238 1252	"	44.0	31.5	1.78	0.89	56.1		5	15	-01
1103	12-12	0448 0514	BLAKELY-THOMAS	177.0	163	6.32	1.68	1030		6	16	-10
1104	12-13	1048 1058	BLAKELY	18.6	12.1	2.44	1.06	29.5		6	11	0
1105	12-19	1275 1275	"	65.0	79.5	1.71	1.08	136		6	19	-01
1106	12-27	1434 1444	"	16.5	2.02	1.63	0.14	3.3	FLOATS	8	0	
1107	12-29	1340 1417	BLAKELY-HANSEN	177.0	265	8.79	2.50	2330		6	15	+20
1108	12-30	1043 1107	BLAKELY-GREEN	177.0	157	7.13	1.94	1110		6	16	-06
1109	12-31	1207 1207	BLAKELY	17.6	8.23	2.84	0.50	23.4		5	11	-01
1110	1-7	0448 0515	BLAKELY-BLAKELY	177.0	146	5.29	1.63	774		6	16	-05
1111	1-7	1432 1448	BLAKELY	THREE CHANNELS	1.20	83.1			EST.	6	9	0
1112	1-8	1108 1118	"	18.6	12.9	3.90	0.71	50.3		6	11	-02
1113	1-10	1159 1201	"	16.5	2.28	0.97	0.18	2.2		5	11	0
1114	1-13	0955 0174	BLAKELY-WESTLING	177.0	252	8.73	2.47	2200		6	16	-07
1115	1-13	1713 1723	"	71.0	61.3	2.09	1.10	128		6	13	-01
1116	1-14	1000 1024	WESTLING-BLAKELY	17.5	8.18	2.74	0.68	22.4		5	11	-04
1117	1-15	2124 2130	BLAKELY-WESTLING	177.0	968	18.0	6.38	17400	FLOATS			+09
1118	1-16	1715 1715	"	177.0	146	4.47	1.98	654		6	14	0
1119	1-17	1620 1828	"	177.0	379	8.52	3.56	3230		6	15	+30
1120	1-18	1600 0603	"	177.0	850	15.0	5.70	12800	FLOATS			-05
1121	1-18	1852 1852	"	177.0	200	5.15	2.24	1030		6	14	-04
1122	1-20	1375 1375	"	179.0	113	2.44	1.40	276		5	13	0
1123	1-25	1050 1173	"	177.0	317	9.56	2.98	3030		6	16	+10
1124	2-1	0940 0950	BLAKELY	18.2	9.08	2.09	1.08	19.0		5	11	0
1125	2-7	1040 1048	"	17.3	6.12	1.72	1.10	10.5		5	11	0
1126	2-14	1407 1407	"	17.8	7.46	1.54	1.13	11.5		5	11	0
1127	2-21	1278 1278	"	18.3	7.62	1.85	1.15	14.1		5	11	0
1128	2-25	1545 1554	"	18.5	8.20	1.87	1.16	15.3		5	11	0
1129	2-28	1554 1604	"	18.0	8.46	1.70	1.23	14.4		5	11	0
1130	2-29	1528 1528	"	177.0	168	4.59	1.97	771		6	14	0
1131	3-4	1352 1352	"	17.0	4.51	1.42	0.32	6.4		5	11	0
1132	3-6	1115 1125	"	17.0	4.44	1.51	0.35	6.7		5	11	0

NO.	DATE	REG. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INCH	MEAS. SEC. NO.	DI. CHANGE TOTAL	METER NO.
1133	3-7	0212 0647	"	177.0	375	11.0	3.25	4140		6	14	-15
1134	3-7	1725 1436 1453	BLAKELY-WESTLING	177.0	206	5.87	2.19	1210		6	14	-04
1135	3-8	1436 1453	"	56.0	40.2	2.06	1.30	83.0		6	15	0
1136	3-11	1510 1510	BLAKELY	18.2	9.72	3.00	1.17	29.2		6	11	0
1137	3-13	1518 1535	THOMAS	18.6	12.6	1.70	1.16	21.4		6	9	0
1138	3-15	1140 1202	LANG	177.0	782	15.5	5.26	12100		6	11	+11
1139	3-15	1820 1955	LANG-WESTLING	177.0	481	15.4	4.64	7390		6	12	-04
1140	3-16	1252 1252	LANG	177.0	186	6.29	2.08	1170		5	15	+03
1141	3-17	1542 1810	"	177.0	106	3.72	1.66	394		6	21	+03
1142	3-18	1405 1445	"	177.0	102	3.70	1.65	378		6	22	0
1143	3-20	1300 1532	"	177.0	85.6	3.70	1.50	317		6	14	0
1144	3-25	1040 1532	BLAKELY	174.0	85.1	2.06	1.23	176		5	18	0
1145	4-4	1133 1133	"	19.3	13.1	2.66	0.81	34.8		6	11	0
1146	4-8	1045 1100	"	108.0	64.0	1.97	1.07	126		6	17	0
1147	4-10	1712 1730	"	177.0	72.8	3.28	1.28	239		5	14	0
1148	4-11	1809 1511	"	18.4	12.8	3.88	0.70	49.7		6	11	0
1149	4-17	1608 1618	"	18.0	9.68	3.54	0.57	34.3		6	11	0
1150	4-24	1550 1800	"	18.3	10.9	2.85	0.53	31.1		6	11	0
1151	5-1	1500 1808	BLAKELY-BOBUCK	18.5	12.0	3.14	0.60	37.7		6	11	0
1152	5-8	1800 1608	BLAKELY	18.0	9.10	2.64	0.51	24.0		5	11	0
1153	5-15	1819 1819	"	17.6	8.28	2.55	0.44	21.0		5	11	0
1154	5-22	1828 1828	"	17.8	8.04	2.36	0.44	19.0		5	11	0
1155	5-29	1430 1438	"	17.6	7.13	2.54	0.41	18.1		5	11	0
1156	6-5	1342 1342	"	17.5	6.60	2.36	0.37	15.6		5	11	0
1157	6-12	1505 1515	"	17.3	6.40	2.10	0.35	13.4		5	11	0
1158	6-18	1395 1395	"	17.8	8.30	2.42	0.44	20.1		5	11	0
1159	6-26	1124 1124	"	17.8	8.26	2.04	0.44	16.9		5	11	0
1160	7-3	1149 1208	THOMAS	17.3	6.54	1.91	0.43	12.5		5	13	0
1161	7-10	1330 1338	BLAKELY	17.5	6.52	1.84	0.35	12.0		5	11	0
1162	7-17	1352 1352	"	17.5	6.68	1.71	0.38	11.4		5	11	0
1163	7-24	1312 1312	"	17.6	8.00	1.90	0.43	15.2		5	11	0
1164	7-31	1028 1028	"	17.6	7.11	1.91	0.37	13.6		5	11	0
1166	8-7	1210 1210	"	17.5	6.80	2.24	0.37	15.2		5	11	0
1167	8-14	1430 1430	"	17.6	6.78	2.14	0.37	14.5		5	11	0
1168	8-21	1238 1238	HYDE-BLAKELY	17.5	6.94	1.67	0.40	11.6		5	11	0
1169	8-28	0805 0815	BLAKELY	17.5	5.61	1.65	0.39	9.3		5	11	0
1170	9-4	1524 1534	"	16.8	3.39	1.06	0.20	3.6		5	11	0
1171	9-11	1440 1446	"	16.5	2.56	0.74	0.15	1.9		5	7	0
1172	9-18	1815 1815	"	16.0	2.18	1.10	0.11	2.4	SURF	4	0	
1173	9-25	1410 1410	"	7.0	1.88	1.17	0.13	2.2		5	8	0

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

above Arroyo Seco DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSNH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. DD.	MEAN REG. NO.	R. HT. CHANGE TOTAL	METER NO.
1174	10-2	1530	BLAKELY	9.0	2.47	1.13	0.17	2.8	.5	7	0	FC24	
1175	10-9	1509	"	9.0	2.86	0.98	0.21	2.8	.5	7	0		
1176	10-18	1430	"	10.0	3.20	0.88	0.21	2.8	.5	8	0		
1177	10-23	1392	"	10.0	2.88	0.90	0.18	2.6	.5	7	0		
1178	10-30	1428	"	10.5	2.84	0.95	0.16	2.7	.5	8	0		
1179	11-8	1258	"	CHANNELS			0.90	64.7	.6	8	-.02		
1180	11-14	1415	"	177.	233.	7.70	2.22	1790.	.6	16	-.31		
1181	11-15	1367	BLAKELY-HYDE	177.	254.	8.82	2.55	2240.	.8	15	-.35	FC35	
1182	11-16	1097	"	82	54.9	2.39	1.08	131.	.6	19	-.06		
1183	11-20	1321	BLAKELY	5.5	1.11	0.11	0.16	1.2	.5	6	0	FC24	
1184	11-22	1342	"	177.	234.	7.96	2.21	1860.	.8	16	-.32		
1185	11-23	1215	BLAKELY-MANLEY	18.0	5.10	1.67	0.50	8.5	.5	11	0		
1186	11-28	1536	BLAKELY	4.0	0.96	1.35	0.21	1.3	.5	6	0		
1187	11-30	1340	"	COMPOSITE		1.06	125.		.6	18	-.01		
1188	12-2	1394	BLAKELY-MANLEY	177.	324	9.48	2.92	3070.	.6	16	-.10		
1189	12-2	1533	"	COMPOSITE		1.11	91.9		.6	11	0		
1190	12-4	1322	BLAKELY	17.1	4.09	1.20	0.26	4.9	.5	11	0		
1191	12-11	1414	"	9.0	2.01	1.10	0.18	2.2	.5	7	-.01		
1192	12-18	1488	ARRIGO-BLAKELY	10.1	2.39	1.46	0.18	3.4	.5	8	0		
1193	12-22	1064	BLAKELY	15.0	4.67	1.45	0.39	6.6	.5	9	0		
1194	12-30	1353	"	18.0	5.22	1.49	0.27	7.8	.5	7	0		
1195	12-30	1802	BLAKELY-MANLEY	177.	252.	8.66	2.43	2180.	.6	15	-.12		
1196	12-31	1435	BLAKELY-WATKINS	18.7	14.3	3.85	0.75	55.1	.6	7	-.03		
1197	1-6	1197	BLAKELY	18.2	9.93	3.26	0.60	32.4	.6	11	-.02		
1198	1-7	1047	"	114.	51.2	1.46	0.98	74.7	.5	18	-.05		
1199	1-8	1506	"	177.	21.4	4.08	1.01	87.4	.6	9	+.01		
1200	1-15	1532	"	CHANNELS		0.98	83.2		.6	12	0		
1201	1-23	1827	"	"	"	1.01	87.5		.6	17	-.01		
1202	1-27	1340	BLAKELY-LUCE	17.5	7.18	2.67	0.40	19.2	.5	11	0		
1203	2-5	1447	LUCE	17.5	7.19	2.14	0.38	15.4	.5	12	0	FC41	
1204	2-11	1546	"	17.3	6.56	2.08	0.38	13.6	.5	12	0		
1205	2-19	1650	"	17.3	6.10	1.90	0.35	11.6	.5	11	0		
1206	2-26	1437	"	17.5	6.56	1.97	0.39	12.9	.5	12	0		

NO.	DATE	BSNH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. DD.	MEAN REG. NO.	R. HT. CHANGE TOTAL	METER NO.
1207	3-5	1350	LUCE-WHISLER	17.7	7.56	1.99	0.48	15.0	.6	13	0		
1208	3-12	1354	LUCE	18.2	8.45	1.78	0.57	15.0	.5	13	-.02		
1209	3-19	1365	LUCE-DE MARS	18.3	8.82	1.65	0.56	14.5	.6	15	-.01		
1210	3-26	1427	LUCE	17.1	5.77	2.11	0.32	12.2	.6	11	0		
1211	4-2	1025	"	17.1	5.54	1.90	0.32	10.5	.5	12	0		
1212	4-9	1455	"	16.9	4.10	1.07	0.26	4.4	.5	12	0		
1213	4-16	1447	"	17.1	4.49	1.07	0.30	4.6	.5	13	0		
1214	4-20	1300	"	177.	77.1	3.09	1.23	238.	.6	23	-.06		
1215	4-21	1355	"	19.3	15.5	3.83	0.90	59.4	.6	13	-.06		
1216	4-23	1516	"	16.6	3.03	1.19	0.20	3.6	.5	12	+.02		
1217	4-27	1240	"	19.8	18.4	5.76	1.12	108.	.6	13	+.15		
1218	4-28	1028	"	19.0	14.5	3.99	0.94	57.8	.6	13	+.04		
1219	4-30	1320	"	17.0	5.37	1.64	0.30	8.8	.5	11	0		
1220	5-7	1230	"	16.5	1.90	0.79	0.13	1.5	.5	12	0		
1221	5-14	1125	"	16.5	1.90	0.74	0.17	1.4	.5	11	0		
1222	5-21	1433	"	16.0	2.19	0.68	0.18	1.5	.5	11	0		
1223	5-28	1518	"	17.2	5.42	1.70	0.42	9.2	.5	12	-.03	FC41	
1224	6-4	1410	WHISLER	16.5	1.48	0.74	0.15	1.1	FLOAT	8	0		
1225	6-11	1430	"	16.5	1.72	0.75	0.16	1.3	"	8	0		
1226	6-18	1433	LUCE	16.6	3.01	0.60	0.14	1.8	.6	11	0	FC41	
1227	6-25	1358	"	5.6	0.92	0.88	0.23	0.81	.5	9	-.02		
1228	7-2	1522	"	5.0	1.00	0.80	0.24	0.84	.5	7	0		
1229	7-9	1454	"	3.3	0.91	0.99	0.28	0.90	.6	7	0		
1230	7-16	1352	LUCE-GODFREY	5.3	0.92	1.09	0.12	1.0	.6	8	-.02		
1231	7-23	1515	LUCE	5.3	0.89	1.09	0.15	0.97	.5	7	0		
1232	7-30	1357	"	6.1	0.76	0.95	0.20	0.72	.5	8	0		
1233	8-6	1425	"	6.1	0.70	0.77	0.16	0.54	.5	8	0		
1234	8-13	1350	"	4.1	0.73	0.88	0.14	0.64	.5	7	-.02		
1235	8-20	1516	"	4.0	0.61	0.87	0.12	0.53	.5	6	0		
1236	8-27	1022	"	4.30	0.64	0.89	0.12	0.57	.5	7	0		
1237	9-4	0835	"	4.0	0.67	0.93	0.19	0.62	.5	7	+.01		
1238	9-10	0830	DE MARS	8.0	0.87	0.61	0.24	0.53	.5	8	0	FC34	
1239	9-17	1458	LUCE	4.0	0.66	0.91	0.17	0.60	.5	6	0	FC41	
1240	9-24	0826	"	4.1	0.66	0.93	0.18	0.61	.5	7	0		

16014M F. O. Dist. 52 2-50

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION

Sta. No. E57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.9	1.1	1.9	1.9	8.0	2.7	3.7	1.5	1.5	1.1	3.2
2	0.5	0.8	3.9	1.8	1.8	8.8	3.4	2.6	1.7	1.2	1.1	3.8
3	0.5	0.7	2.9	2.2	1.6	5.9	3.1	2.3	1.8	1.1	9.8	3.8
4	0.5	0.8	2.4	2.3	1.5	7.2	3.6	2.2	1.7	1.1	1.4	3.8
5	0.5	0.8	1.73	2.3	1.3	7.2	3.2	2.3	1.7	9.9	1.1	3.8
6	0.5	0.8	3.2	2.5	1.2	2.9	3.0	2.7	1.7	9.9	1.4	3.0
7	0.5	0.7	1.5	3.63	1.0	3.9	3.0	2.7	1.5	9.9	1.4	3.8
8	0.5	0.7	0.9	3.1	1.1	1.68	2.07	2.5	1.2	1.1	1.4	3.8
9	0.5	0.7	0.9	4.5	1.1	9.0	3.9	2.6	1.3	1.1	1.4	3.8
10	0.5	0.7	2.9	2.2	1.1	3.9	1.60	2.4	1.3	1.3	1.1	3.8
11	0.5	0.8	1.2	1.2	1.1	3.5	6.2	2.2	1.5	1.2	1.1	3.8
12	0.5	0.8	4.73	1.8	1.1	2.9	3.8	2.1	1.4	1.2	1.3	3.8
13	0.5	0.8	3.9	6.25	1.1	2.9	3.2	2.1	1.4	1.2	1.3	3.8
14	0.5	0.8	2.7	3.6	1.1	2.9	3.1	2.1	1.4	1.1	9.8	3.8
15	0.5	0.8	2.8	3.870	1.2	2.9	3.1	2.2	1.4	1.1	1.4	3.8
16	0.5	0.8	2.6	5.560	1.2	2.9	3.1	2.2	1.4	1.1	1.4	3.8
17	0.5	0.7	2.8	3.980	1.3	5.15	3.2	2.3	1.7	1.3	1.4	3.8
18	0.5	0.7	3.2	8.130	1.3	3.84	3.2	1.8	1.8	1.1	9.8	3.8
19	0.5	1.44	1.06	5.83	1.3	3.55	1.01	1.8	1.7	9.8	1.2	3.8
20	0.5	2.74	2.5	2.70	1.4	3.25	6.8	2.3	1.6	1.2	1.2	3.8
21	0.5	4.7	3.8	2.3	1.4	2.27	5.1	2.3	1.6	9.8	1.1	3.8
22	0.5	1.2	3.5	2.3	1.4	1.71	4.1	2.1	1.5	1.1	1.2	3.8
23	0.5	1.2	3.3	4.04	1.5	1.64	4.1	2.2	1.5	1.3	1.2	3.8
24	0.5	1.2	3.3	9.90	1.5	1.78	3.5	1.7	1.9	1.5	9.8	3.8
25	0.5	1.2	3.3	3.010	1.5	1.52	1.20	1.9	1.9	1.5	1.1	3.8
26	0.5	0.9	3.0	1.9	1.5	1.04	1.20	1.9	1.9	1.5	1.1	3.8
27	1.5	1.2	3.2	1.00	1.5	7.9	2.7	1.9	1.7	1.2	9.8	3.8
28	1.2	1.2	3.2	7.5	1.5	5.1	2.7	1.9	1.6	1.2	7.8	3.8
29	1.5	1.2	1.2	6.7	1.5	3.6	3.0	1.8	1.5	1.5	5.4	3.8
30	1.2	1.2	1.2	7.57	1.5	2.8	4.3	1.5	1.5	1.7	4.2	3.8
31	1.2	1.2	3.4	5.8	1.5	5.4	1.5	1.5	1.5	1.4	3.8	3.8
144.2 524.6 30893.7 15505.4 675.0 372.6 78.4												
MEAN 4.65 17.5 171. 997. 19.8 500. 53.2 21.8 15.8 12.0 11.0 2.61												
ACRE-FEET 286. 1040. 6221. 61287. 1147. 3750. 3470. 1360. 940. 770. 400. 156.												
Remarks: YEAR OR PERIOD MEAN 1952 ACRE-FEET 109000.												

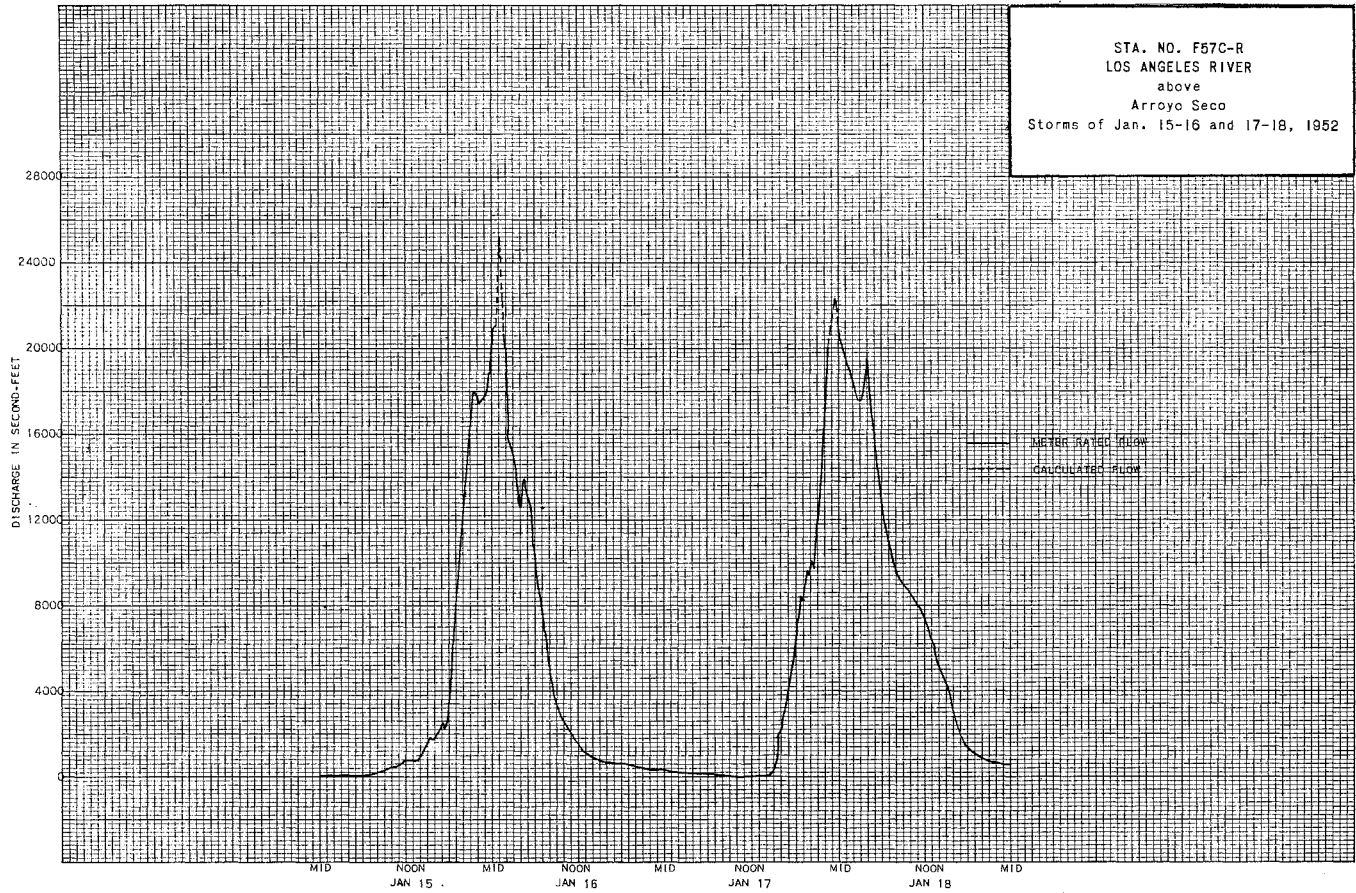
FORM 12-53

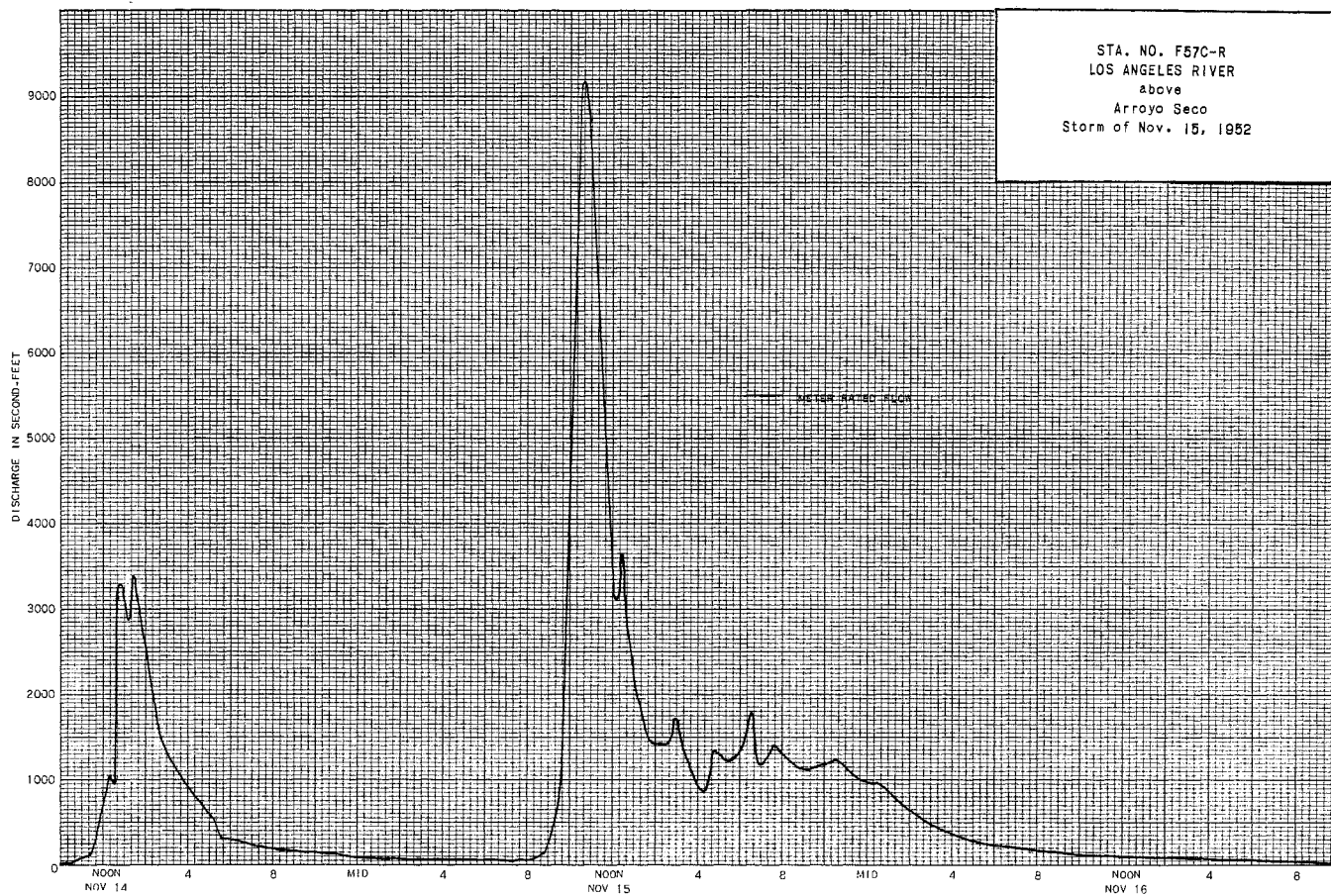
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F57C-R

Daily discharge, in second-feet of LOS ANGELES RIVER above Arroyo Seco for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	2.8	46.6	11	15	30	12	4.2	3.5	1.2	4.2	0.6
2	2.8	2.5	53.5	5.8	15	25	13	3.2	1.8	0.8	5.0	0.6
3	3.0	2.5	18	5.4	18	15	14	2.5	1.8	2.2	4.0	0.6
4	2.5	2.8	8.0	4.2	18	15	6.8	1.8	1.8	3.2	3.5	0.6
5	2.5	2.8	3.7	8.7	17	16	6.3	2.0	3.0	2.8	3.2	0.6
6	2.2	2.5	6.8	6.4	16	15	13	2.0	1.8	2.2	3.2	0.6
7	2.5	2.5	2.0	8.3	15	16	11	1.8	2.0	1.0	3.0	0.6
8	2.5	14.6	2.8	6.4	12	15	5.4	1.4	3.5	1.0	2.5	0.6
9	2.8	1.8	2.0	1.9	15	15	5.0	1.2	3.8	1.2	2.2	0.6
10	2.8	1.4	1.8	4.8	15	17	5.4	1.4	3.0	1.4	2.2	0.6
11	2.8	1.6	2.0	5.4	14	17	5.4	1.2	3.0	1.0	2.0	0.6
12	2.8	1.6	1.8	5.6	14	17	5.0	1.2	3.0	1.4	1.4	0.6
13	2.8	1.6	1.8	18.6	14	17	5.8	1.4	3.2	1.8	1.6	0.6
14	2.8	421	1.8	11.6	a 13	15	6.3	1.6	4.0	2.5	1.0	0.6
15	2.8	1370	1.8	8.4	a 11	13	6.3	1.0	4.5	3.0	1.2	0.6
16	2.8	215	2.8	8.6	13	15	4.5	1.0	7.2	2.5	1.6	0.6
17	2.5	5.7	4.0	8.4	14	18	4.0	0.8	3.8	1.6	1.2	0.6
18	2.5	1.2	4.2	8.0	13	19	3.8	1.2	3.5	1.6	1.2	0.6
19	2.2	1.2	4.2	8.2	12	31	3.8	1.6	5.0	2.0	1.2	0.6
20	2.2	1.2	11.0	8.4	a 14	9.7	16.3	2.5	3.8	2.5	1.4	0.6
21	2.5	1.4	9.1	8.6	a 16	18	4.0	2.2	3.8	3.0	1.2	0.6
22	2.5	220	8.1	8.7	a 13	13	8.8	2.2	3.8	3.0	1.2	0.6
23	2.5	134	5.4	8.5	a 12	12	3.5	2.5	3.2	2.5	1.6	0.6
24	2.5	2.5	4.2	2.6	15	14	3.0	3.0	2.6	3.8	1.4	0.6
25	2.2	2.2	3.5	2.2	15	14	3.0	2.5	2.2	3.6	1.6	0.6
26	2.5	2.0	2.8	2.2	a 15	14	2.9	2.5	2.2	4.0	1.4	0.6
27	2.5	1.6	3.8	2.1	a 15	13	102	3.0	2.0	4.0	1.8	0.6
28	2.5	1.6	21.2	2.0	a 17	11	5.4	1.0	1.6	4.5	1.8	0.6
29	2.5	6.7	2.5	1.9	9.8	9.8	6.7	3.2	1.0	4.0	1.8	0.6
30	2.5	153	3.0	1.8	9.8	8.1	8.1	2.8	1.0	4.0	1.6	0.6
31	3.0	132	1.6	1.6	9.8	9.8	1.8	1.8	5.4	1.2	1.2	0.6
30.0			5028.3		417	531.8		90.6		63.4		
MEAN	2.60	90.4	97.7	53.1	14.9	18.6	17.7	2.28	3.02	2.54	2.04	0.60
AREA	160.	5380.	6010.	3270.	827.	1140.	1050.	140.	180.	156.	126.	36.
Remarks:									YEAR OR PERIOD	MEAN	ACRE-FEET	25.5
												18/80





STATION F34C-R
LOS ANGELES RIVER at Firestone Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. $33^{\circ}57'09''$, LONG. $118^{\circ}10'22''$, ON THE DOWN-STREAM SIDE OF FIRESTONE BOULEVARD BRIDGE, ABOUT 3 MILES WEST OF OOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 98.37 FEET.

DRAINAGE AREA: 614 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT, ABOUT 355 FEET WIDE WITH 3:1 RIP-RAPPED SLOPES. CONTROL - CONCRETE SILL ACROSS CHANNEL BOTTOM ABOUT 40 FEET BELOW STATION.

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

RECORDER: INSTALLED APRIL 11, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. RECORDER REMOVED NOVEMBER 3, 1949. REINSTALLED OVER A 22-INCH PIPE INSIDE PIER ON DOWNSTREAM SIDE OF NEW BRIDGE NOVEMBER 4, 1949. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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

DIVERSION: FLOW IS SUBJECT TO SAME DIVERSIONS AS STATION F57C-R. THE CITY OF PASADENA DIVERTS WATER FROM THE ARROYO SECO

RECORDS AVAILABLE:

AT STATION F34-R - MARCH 1, 1928 TO APRIL 11, 1938. (FOR PREVIOUS RECORDS SEE STATE OF CALIFORNIA DIVISION OF WATER RIGHTS BULLETIN NO. 5.)
AT STATION F34B-R - APRIL 11, 1938 TO NOVEMBER 3, 1949.
AT STATION F34C-R - NOVEMBER 4, 1949 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 32090 SECOND-FEET JANUARY 16.
MINIMUM 1.8 SECOND-FEET OCTOBER 7.
1952-53
MAXIMUM 14100 SECOND-FEET NOVEMBER 15.
MINIMUM 1.4 SECOND-FEET APRIL 26.
1928-53
MAXIMUM 79000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES PRIOR TO 1940. FLOW CONTINUOUS IN RECENT YEARS DUE TO INDUSTRIAL WASTES.

ACCURACY: 6000.

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD.	HEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
135	10-4	0846 0900	BONAD IIHAN	23.0	15.4	0.83	-0.30	12.8	.6	8	0	FC19	
136	10-11	0832 0844	"	23.0	14.6	0.81	-0.32	11.8	.6	8	0	"	
137	10-18	0846 0858	"	22.0	13.7	0.84	-0.36	11.5	.6	8	0	"	
138	10-25	0827 0847	BONAD IIHAN-HOLLERON	359.	569.	2.53	1.34	1440.	.6	16	+ .03	"	
139	10-26	0845 1002	HOLLERON-BONAD IIHAN	44.0	48.6	0.84	0.10	41.1	.6	11	0	"	
140	11-1	0800 0820	BONAD IIHAN	28.0	14.3	0.97	-0.37	13.9	.6	9	0	"	
141	11-8	0854 1004	"	27.0	14.0	0.96	-0.35	13.5	.6	8	0	"	
142	11-15	0852 0906	"	28.0	16.7	0.81	-0.29	13.5	.6	9	0	"	
143	11-19	0854 0904	HOLLERON-BONAD IIHAN	358.	527.	3.19	1.51	1680.	.6	12	- .34	"	
144	11-20	1246 1300	"	105.	106.	1.36	0.46	144.	.6	7	- .02	"	
145	11-21	0910 0920	BONAD IIHAN	110.	130.	1.19	0.43	155.	.6	9	- .01	"	
146	11-29	0826 0838	"	21.0	12.3	0.88	-0.43	10.8	.6	8	0	"	
147	12-2	0850 0906	"	110.	117.	1.13	0.33	132.	.6	10	- .02	"	
148	12-5	0132 1248	HOLLERON-BONAD IIHAN	359.	833.	4.73	2.00	3940.	.6	14	+ .60	"	
149	12-5	1300	"	105.	117.	1.40	0.44	164.	.6	8	- .02	"	
150	12-6	0812 0924	BONAD IIHAN	85.0	70.3	0.49	0.00	34.6	.6	8	0	"	
151	12-12	0242 0300	BONAD IIHAN-HOLLERON	357.	400.	2.95	1.06	1180.	SURF. 6.19	22	- .02	"	
152	12-12	0753 0811	"	357.	472.	3.08	1.26	1460.	SURF. 6.22	22	- .05	"	
153	12-13	0904 0916	BONAD IIHAN	90.0	97.5	0.77	0.25	75.1	.6	8	- .02	"	
154	12-19	0900 0920	"	240.	302.	2.26	0.85	683.	.6	13	0	"	
155	12-20	0850 0906	"	100.	83.5	0.54	0.12	45.3	.6	8	0	"	
156	12-27	0812 0924	"	29.0	10.5	1.16	0.32	12.2	.6	9	0	"	
157	12-29	1202 1235	BONAD IIHAN-GROFF	370.	1000.	7.00	2.86	7000.	.6	13	+ .02	"	
158	12-30	1855 1830	BONAD IIHAN-LANG	355.	432.	2.50	1.16	1080.	.6	19	0	"	
159	1-3	0818 0828	BONAD IIHAN	95.0	91.5	0.58	0.14	53.4	.6	8	0	"	
160	1-7	0232 0256	BONAD IIHAN-LANG	355.	529.	2.78	1.38	1470.	.6	16	+ .13	"	
161	1-10	0910 0923	BONAD IIHAN	30.0	20.1	1.75	-0.04	26.6	.6	11	0	"	
162	1-12	1806 1806	BONAD IIHAN-HOLLERON	366.	1050.	6.63	3.32	6960.	.6	11	+ .65	"	
163	1-14	1440 1450	HOLLERON-BONAD IIHAN	120.	136.	0.57	0.18	77.7	.6	8	0	"	
164	1-15	1750 1808	BONAD IIHAN-HOLLERON	364.	1040.	7.08	2.78	7360.	.6	13	0	"	
165	1-17	0916 0936	BONAD IIHAN	TWO CHANNELS			1.35	937.	SURF. 6.20	20	0	"	
166	1-17	1870 1870	BONAD IIHAN-WRIGHT	375.	1570.	9.11	4.76	14300.	.6	11	+ .23	"	
167	1-17	2110 2140	LANG-CLARK	377.	2190.	9.86	6.15	21600.	.6	12	+1.20	FC12	
168	1-19	0854 0908	BONAD IIHAN-WRIGHT	TWO CHANNELS			1.00	1160.	.6	17	0	FC19	
169	1-20	0830 0852	BONAD IIHAN	"	"	0.85	547.	.6	16	0	"		
170	1-21	0910 0930	"	"	"	0.58	331.	.6	16	0	"		
171	1-24	0840 0910	"	"	"	0.00	226.	.6	15	0	"		
172	1-25	0440 0500	BONAD IIHAN-WRIGHT	364.	1030.	7.46	2.50	7680.	.6	15	+ .10	"	
173	1-31	0920 0940	HYDE-BONAD IIHAN	200.	134.	0.72	0.10	96.6	.6	9	0	"	
174	2-7	0852 0902	BONAD IIHAN	38.0	24.0	1.16	-0.05	27.8	.6	8	0	"	
175	2-14	0815 0912	GILWRIGHT-BONAD IIHAN	20.0	12.8	2.15	-0.05	27.5	.6	8	0	"	
176	2-21	0916 0926	BONAD IIHAN	19.0	12.4	2.26	-0.03	28.1	.6	9	0	"	
177	2-28	0820 0932	"	24.0	11.9	2.02	-0.05	24.0	.6	9	0	"	
178	2-29	1650 1708	"	357.	554.	4.30	1.54	2380.	.6	17	0	"	
179	3-1	0910 0928	"	220.	186.	1.57	0.47	292.	.6	12	+ .02	"	
180	3-6	0900 0910	"	26.0	22.0	0.95	-0.10	21.0	.6	9	0	"	
181	3-7	0348 0408	BONAD IIHAN-HYDE	366.	1290.	7.82	3.58	10100.	.6	13	+ .11	"	
182	3-7	0700 0725	LANG-CLARK	374.	1660.	9.58	4.90	15900.	.6	13	- .04	FC12	
183	3-7	1148	"	365.	1190.	7.82	3.26	9310.	.6	13	0	"	
184	3-8	0930 0938	BONAD IIHAN-HYDE	TWO CHANNELS			0.40	269.	.6	14	0	FC19	
185	3-13	0858 0910	BONAD IIHAN	205.	138.	0.72	0.15	100.	.6	9	0	"	
186	3-15	0940 0940	"	TWO CHANNELS			2.30	5200.	.6	16	+ .88	"	
187	3-15	1002 1022	"	364.	885.	7.71	2.45	6820.	.6	14	+ .10	"	
188	3-15	1540 1556	BONAD IIHAN-HYDE	375.	1420.	8.17	4.35	11600.	.6	12	- .30	"	
189	3-16	0842 1005	HYDE-BONAD IIHAN	TWO CHANNELS			1.55	2340.	.6	19	- .10	"	
190	3-17	0950 1006	BONAD IIHAN	"	"	1.00	1310.	.6	17	0	"		
191	3-19	1000 1027	"	"	"	0.70	710.	.6	18	0	"		
192	3-27	0832 0900	"	"	"	0.32	244.	.6	15	0	"		
193	4-3	0950 1004	"	36.0	35.2	1.44	0.08	50.9	.6	10	0	"	
194	4-7	2240 2255	BONAD IIHAN-WADDICOR	359.	602.	4.72	1.15	2840.	.6	13	- .10	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD.	HEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
195	4-10	0920 0938	BONAD IIHAN	TWO CHANNELS			0.07	108.	.6	10	0	"	
196	4-10	1238 1258	"	"	"		0.46	429.	.6	16	0	"	
197	4-17	0900 0916	"	36.0	24.9	1.56	0.03	38.4	.6	11	0	"	
198	4-24	0912 0920	BONAD IIHAN-GRUBBS	57.0	35.0	1.39	0.08	48.8	.6	14	0	"	
199	5-1	1355 1425	LANG	53.0	34.2	1.79	0.08	61.9	.6	23	0	FC12	
200	5-8	1320 1355	"	47.4	29.1	1.48	0.02	43.0	.6	23	0	"	
201	5-15	0910 0925	BONAD IIHAN	32.0	21.1	1.73	0.02	36.3	.6	10	0	FC19	
202	5-22	0854 0908	"	35.0	20.7	1.78	0.03	36.6	.6	10	0	"	
203	5-29	0846 0856	"	26.0	17.0	2.13	0.01	36.2	.6	9	0	FC46	
204	6-5	0910 0926	"	25.0	15.7	1.63	0.05	25.7	.6	10	0	"	
205	6-12	0840 0854	"	23.0	13.8	1.67	0.07	23.1	.6	10	0	"	
206	6-19	0850 0910	"	24.0	13.7	1.81	0.08	24.6	.6	10	0	FC19	
207	6-26	0840 0920	"	26.0	15.9	1.71	0.06	27.3	.6	11	0	"	
208	7-3	0900 0912	"	24.0	14.2	1.62	0.09	23.0	.6	10	0	"	
209	7-10	0904 0916	"	26.0	14.3	1.41	0.15	20.1	.6	10	0	"	
210	7-17	0840 0856	"	23.0	12.4	1.54	0.15	19.1	.6	9	0	"	
211	7-24	0810 0924	"	25.0	13.8	1.62	0.15	22.4	.6	10	0	"	
212	7-31	1034 1046	"	24.0	14.4	1.62	0.11	23.3	.6	10	0	"	
213	8-7	0902 0920	"	26.0	15.8	1.52	0.08	24.1	.6	11	0	"	
214	8-14	0826 0952	WHISLER-BONAD IIHAN	30.0	16.2	1.46	0.14	23.7	.6	14	0	"	
215	8-21	0904 0920	BONAD IIHAN	25.0	13.5	1.45	0.16	19.6	.6	12	0	"	
216	8-28	0846 0900	"	22.0	13.1	1.31	0.20	17.2	.6	9	0	"	
217	9-4	1005 1015	KAS II WIFF	16.4	7.48	1.69	0.30	12.5	.6	12	0	FC47	
218	9-11	0934 0944	"	19.0	8.17	1.30	0.31	10.6	.6	13	0	"	
219	9-18	0855 0925	BLEINNECHT-BONAD IIHAN	24.0	8.75	1.26	0.45	11.1	.6	9	0	FC19	
220	9-25	0846 0856	BONAD IIHAN	18.0	8.56	1.26	0.41	10.8	.6	7	0	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Firestone Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. ING	METH. CD.	HEAR. REC. NO.	D. HT. CHANGE TOTAL	METER NO.
221	10-2	0910 0922	BONAD IIHAN	21.0	9.18	1.31	-0.39	12.0	.6	8	0	FC19	
222	10-9	0834 0848	"	20.0	11.6	1.48	-0.30	17.2	.6	10	0	"	
223	10-15	0930 0945	"	18.0	9.07	1.47	0.42	13.4	.6	9	0	"	
224	10-23	1014 1024	"	18.0	7.86	1.39	-0.40	11.0	.6	8	0	"	
225	10-30	1044 1054	"	18.0	8.44	1.58	-0.39	13.3	.6	9	0	"	
226	11-6	0900 0910	"	19.0	7.96	1.42	-0.42	11.3	.6	8	0	"	
227	11-13	0840 0850	"	11.0	9.11	1.27	-0.45	11.6	.6	8	0	"	
228	11-14	1340 1350	BONAD IIHAN-DE MARS	364.	760.	5.13	2.26	3900.	.6	21	- .08	"	
229	11-15	1000 1007	"	180.	197.	2.19	0.70	431.	.6	9	+ .20	"	
230	11-15	1220 1245	"	370.	1270.	7.10	3.80	9000.	.6	13	- .80	"	
231	11-16	1436 1416	"	150.	131.	1.02	0.29	133.	.6	8	- .02	"	
232	11-17	1410 1425	BONAD IIHAN	140.	108.	0.40	-0.10	43.6	.6	8	0	"	
233	11-20	1500 1510	"	17.0	11.8	1.12	-0.31	13.2	.6	7	0	"	
234	11-22	2310 2340	DE MARS-BONAD IIHAN	368.	591.	3.60	1.46	2130.	.6	16	+ .32	"	
235	11-20	09											

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	RAISE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. CD.	MEAN REC. NO.	D. CHARGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	RAISE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. CD.	MEAN REC. NO.	D. CHARGE TOTAL	METER NO.
251	1-8	0850 0842	"	160.	128.	1.15	0.30	147.	.6	8	0	"	273	5-7	0900 0910	"	24.0	13.4	0.69	-0.55	9.3	.6	7	0	"		
252	1-14	0742 0830	BONADIMAN	170.	154.	1.57	0.49	242.	.6	10	0	"	274	5-14	0858 0850	"	24.0	13.8	0.86	-0.48	11.8	.6	7	0	"		
253	1-15	0830 0830	WALKER-BONADIMAN	48.0	51.8	1.72	0.22	89.1	.6	11	0	"	275	5-21	0830 0830	"	24.0	13.8	0.73	-0.48	10.1	.6	8	0	"		
254	1-22	0856 0810	BONADIMAN	44.0	48.0	1.85	0.21	88.7	.6	11	0	"	276	5-29	0828 0830	"	28.0	12.6	0.88	-0.40	11.1	.6	8	0	"		
255	1-29	0846 0900	"	38.0	31.1	0.91	-0.01	28.2	.6	11	0	"	277	6-4	1826 1840	THOMAS-BONADIMAN	25.0	14.5	0.95	-0.28	13.8	.6	12	0	"		
256	2-5	0897 0820	"	36.0	29.6	0.97	-0.07	28.6	.6	10	0	"	278	6-11	0856 0906	BONADIMAN	28.0	17.3	0.60	-0.43	10.4	.6	9	0	"		
257	2-11	0856 0910	"	38.0	30.4	0.82	-0.15	24.8	.6	12	0	"	279	6-18	0830 0830	"	27.0	14.4	0.74	-0.51	10.6	.6	8	0	"		
258	2-19	0840 0834	"	39.0	31.0	0.69	-0.14	21.4	.6	10	0	"	280	6-25	0854 0856	"	27.0	13.9	0.80	-0.49	11.1	.6	9	0	"		
259	2-23	1154 0824	BONADIMAN-DE MARS	200.	207.	2.51	0.84	522.	.6	10	+ .02	"	281	7-2	0828 0828	"	27.0	16.0	0.76	-0.47	12.1	.6	9	0	"		
260	2-26	0824 0830	BONADIMAN	23.0	23.6	1.22	-0.10	29.1	.6	9	0	"	282	7-9	0822 0832	"	28.0	13.7	0.86	-0.49	11.8	.6	8	0	"		
261	3-5	0850 0900	"	24.0	23.2	1.21	-0.08	28.2	.6	9	0	"	283	7-16	0826 0940	ROYCE-BONADIMAN	27.0	12.6	1.12	-0.48	14.0	.6	9	0	"		
262	3-12	0856 0910	DE MARS	23.0	16.0	1.86	0.00	23.9	.6	10	0	FC34	284	7-23	1000 1000	HASKELL-BONADIMAN	24.0	12.6	1.08	-0.46	13.6	.6	9	0	"		
263	3-19	0812 0812	BONADIMAN	22.0	20.4	1.33	-0.07	27.2	.6	8	0	FC19	285	7-30	0848 0848	BONADIMAN	25.0	13.1	0.98	-0.49	12.9	.6	8	0	"		
264	3-20	0845 0900	BONADIMAN-DE MARS	175.	190.	1.42	0.52	271.	.6	11	- .03	"	286	8-6	0858 0858	"	24.0	12.6	1.19	-0.47	15.0	.6	8	0	"		
265	3-26	0844 1000	WHISLER-BONADIMAN	38.5	32.7	0.86	-0.11	28.1	.6	15	0	"	287	8-13	0912 0940	"	25.0	13.0	0.91	-0.46	11.8	.6	9	0	"		
266	4-2	0908 0820	BONADIMAN	25.0	25.8	0.70	-0.20	18.0	.6	11	0	"	288	8-20	0814 0928	"	24.0	15.0	1.06	-0.44	15.9	.6	9	0	"		
267	4-9	0856 0856	"	23.0	24.4	0.51	-0.42	12.5	.6	8	0	"	289	8-27	0848 0830	"	24.0	13.6	0.93	-0.43	12.7	.6	9	0	"		
268	4-16	0828 0840	"	21.0	13.6	1.09	-0.36	14.8	.6	8	0	"	290	9-3	0830 0832	BONADIMAN-WADDICOR	24.0	13.4	1.02	-0.44	13.7	.6	8	0	"		
269	4-20	1230 1236	"	228.	284.	2.31	0.86	656.	.6	13	+ .04	"	291	9-10	0900 0910	WADDICOR	16.0	10.4	1.56	-0.41	16.2	.6	9	0	FC37		
270	4-23	0856 0912	"	23.0	23.6	0.79	-0.30	16.2	.6	9	0	"	292	9-17	0845 0852	"	19.0	14.9	1.01	-0.40	15.0	.6	9	0	"		
271	4-27	2120 2120	BONADIMAN-DE MARS	CHANNELS		1.27	1380.		.6	15	- .01	"	293	9-24	0829 0827	"	20.0	13.0	1.07	-0.43	13.9	.6	9	0	"		
272	4-30	0910 0820	BONADIMAN	29.0	16.4	1.02	-0.26	16.7	.6	8	0	"															

FD-108 (Rev. 11-22-64)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F34C-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard for the year ending September 30, 1952

DAY	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	19	93	55	55	244	56	51	21	21	26	12
2	22	18	205	55	55	40	58	43	21	22	24	12
3	21	12	71	58	38	21	52	43	22	24	21	12
4	26	16.9	71	58	35	26	52	36	24	17	16	12
5	24	17	82.9	61	38	27	49	36	26	6.9	21	12
6	16	36	36	46	35	27	46	46	27	9.0	24	12
7	18	27	24	57.8	33	66.20	474	49	27	12	24	12
8	13	19	26	94	33	407	736	43	21	19	24	11
9	21	19	22	27	29	281	145	43	14	21	22	11
10	26	16	9.0	27	21	228	376	38	19	22	18	11
11	24	3.4	38	24	26	202	208	36	24	22	19	11
12	24	10	89.1	102	29	98	90	36	24	18	24	11
13	16	16	102	1100	27	127	67	43	24	7.6	24	11
14	13	14	36	b	27	90	55	43	24	8.5	27	11
15	16	2.2	38	616.0	33	724.0	46	36	18	17	27	11
16	13	27	36	f 850.0	29	3500	40	a 36	24	19	26	11
17	19	13	36	6691.0	24	b 1310	36	a 36	29	19	19	11
18	17	6.2	40	11790	26	790	36	a 36	26	21	12	11
19	19		b 11660	29	29	710	37	a 37	26	19	18	47
20	8.5	302	244	b 11660	31	499	149	a 37	27	17	19	20
21	20	183	21	3310	29	385	54	a 37	27	19	19	11
22	12	57	310	310	27	320	50	a 37	19	21	19	11
23	16	36	26	410	27	304	46	a 46	18	22	19	11
24	16	24	22	1000	27	290	49	a 40	22	24	17	11
25	19	11	17	4000	21	270	223	a 38	27	26	16	11
26	4.6	18	29	800	26	252	173	a 33	27	22	17	11
27	21	17	26	140	27	244	43	a 40	27	16	17	11
28	17	17	24	121	29	151	46	a 40	22	8.3	17	11
29	29	17	2780	110	47.1	116	52	a 38	17	17	17	12
30	31	21	106	106		90	64	a 31	19	19	16	12
31	22	21	261	106		94		a 24	26	16	12	
<p>996.3 7564.0 1366.0 3807.0 693.0 610.0</p>												
<p>1543.5 47264.0 25003.0 1218.0 555.1 384.0</p>												
MEAN	32.1	51.4	244.	1525.	47.1	807.	127.	39.3	23.1	17.9	19.7	12.8
ACRE-FOOT	1980.	3060.	15000.	93750.	2710.	49590.	7550.	2420.	1370.	1100.	1210.	762.

Remarks:

YEAR OF PERIOD MEAN ACRE-FOOT 249. 18000.

FD-104 F. C. Dist. 55 2-50

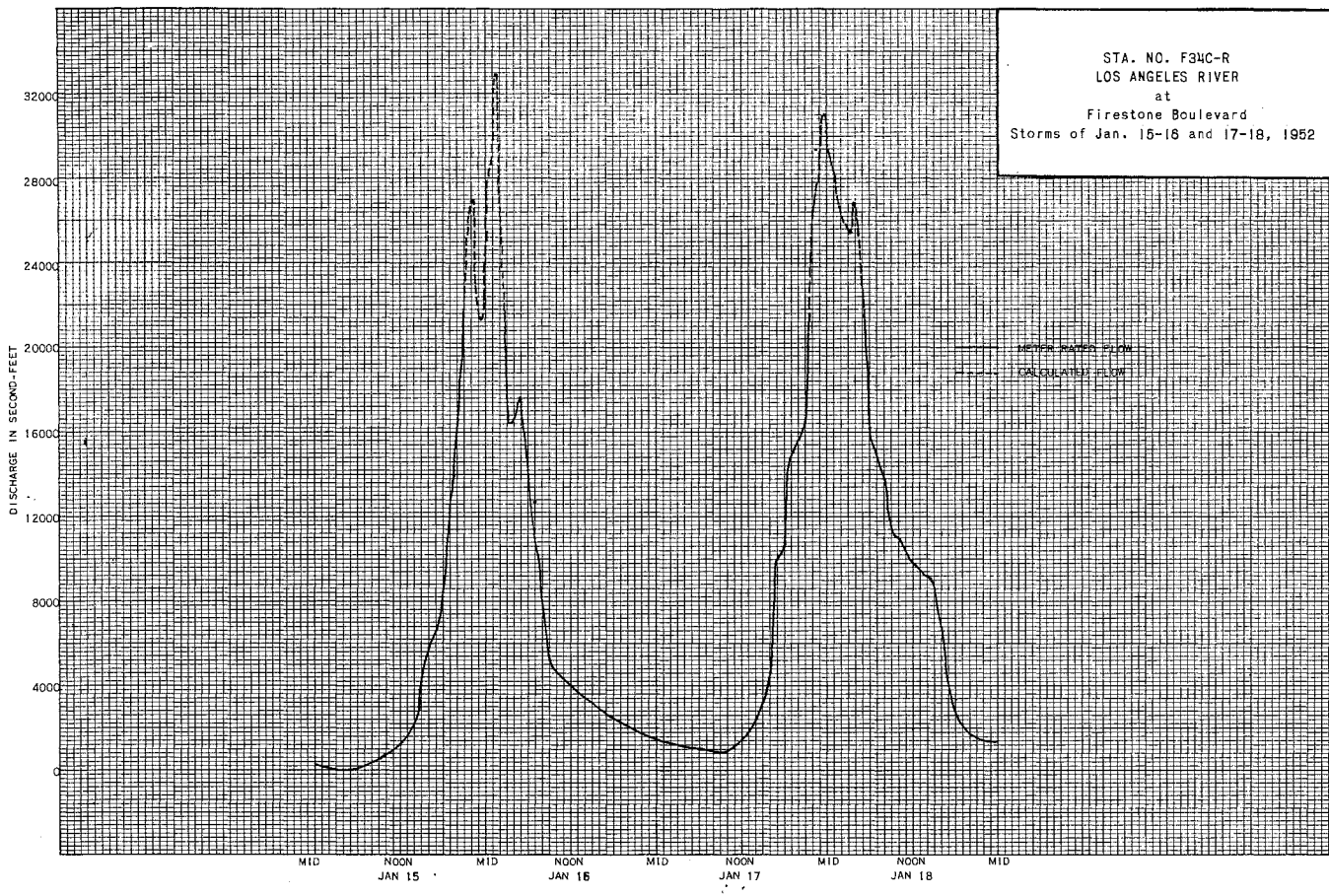
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

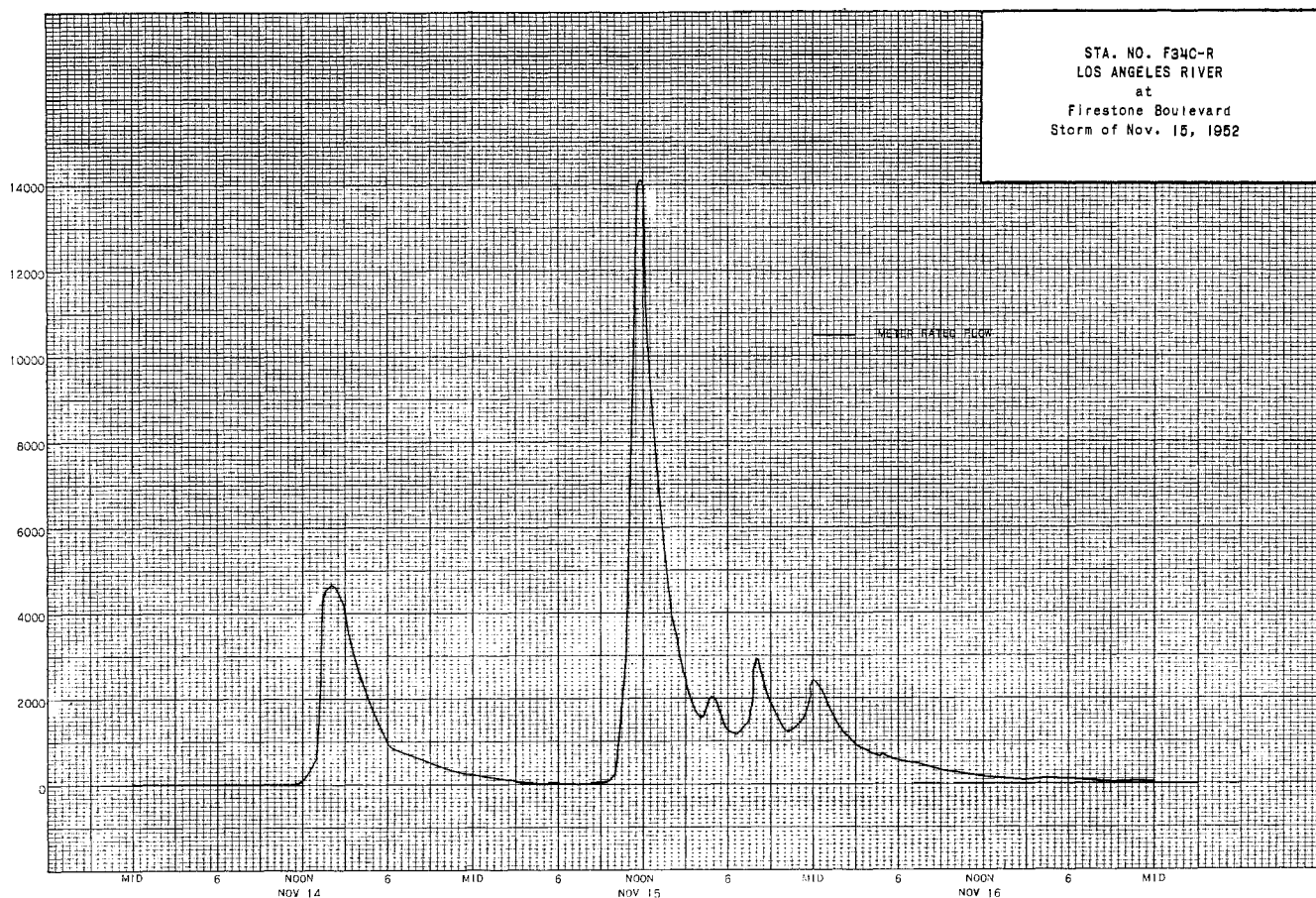
Sta. No. F34C-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Firestone Boulevard for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	b 13	638	49	19	134	21	18	a 17	14	9.0	19
2	12	12	13500	46	16	94	18	9.0	a 17	14	6.2	19
3	12	12	598	36	19	40	17	8.3	a 16	14	10	18
4	12	12	35	22	26	40	9.0	10	a 12	12	17	17
5	12	12	31	22	27	43	1.6	13	a 12	12	15	10
6	12	12	24	153	26	40	35	10	10	10	19	4.1
7	17	b 11	29	223	26	36	58	10	13	16	19	3.4
8	21	434	26	180	22	33	35	12	22	14	14	6.9
9	19	55	64	98	17	22	17	12	16	16	6.9	18
10	22	b 11	58	74	26	29	17	12	12	18	10	19
11	b 13	11	31	36	25	27	16	12	17	16	16	17
12	9	b 12	229	78	a 24	24	10	8.3	21	14	16	13
13	18	b 12	225	296	24	27	14	9.0	10	18	13	5.5
14	21	747	222	202	24	31	19	12	4.8	22	14	10
15	b 13	2000	22	94	23	22	19	12	9.0	19	9.0	16
16	a 13	452	21	36	22	19	21	9.0	10	22	3.4	14
17	13	61	84	86	22	35	21	4.1	14	22	9.0	18
18	12	26	26	82	a 22	33	18	10	22	12	16	14
19	12	17	18	86	21	30	9.0	18	19	6.2	19	8.3
20	12	16	1800	90	24	243	329	18	16	16	22	3.4
21	12	16	115	90	27	40	226	16	6.2	24	19	8.3
22	a 11	133	b 92	90	26	36	b 98	10	10	22	18	15
23	b 11	481	72	36	158	33	17	6.9	18	19	16	16
24	b 11	52	b 52	64	74	38	6.2	3.4	18	19	7.5	18
25	12	31	b 32	36	52	a 36	2.0	7.6	19	13	10	18
26	12	b 27	12	26	52	27	1.4	7.6	22	6.2	13	13
27	12	b 18	13	26	70	26	216	7.6	21	14	13	5.5
28	13	12	483	26	70	31	395	33	4.8	17	14	7.6
29	13	b 12	24	27		21	55	a 40	14	16	9.0	16
30	13	493	735	29		18	21	a 19	17	14	4.1	18
31	b 13	334	334	26		27		a 18		17	12	
420												
5262												
2617												
1335												
395.8												
476.6												
388.0												

MEAN	13.5	175.	206.	84.4	35.5	43.1	58.1	12.8	14.7	15.4	12.6	12.9
ACRE-FOOT	833.	10440.	12690.	5190.	1970.	2650.	3460.	785.	872.	945.	777.	770.
Remarks:												
									YEAR OR PERIOD	MEAN		57.1
										ACRE-FOOT		4190.





STATION F180-R
LOS ANGELES RIVER at Pacific Coast Highway

LOCATION: WATER-STAGE RECORDER, LAT. $33^{\circ}47'25''$, LONG. $118^{\circ}12'17''$, ON THE DOWN-STREAM SIDE OF PACIFIC COAST HIGHWAY BRIDGE ABOUT 1.8 MILES UPSTREAM FROM THE PACIFIC OCEAN. ELEVATION OF ZERO GAGE HEIGHT, 0.90 FEET.

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

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

RECORDER: INSTALLED OCTOBER 31, 1931 OVER AN 18-INCH DIAMETER CORRUGATED IRON STILLING WELL. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953. AN AUXILIARY STILLING WELL AND RECORDER ARE MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION AND/OR DIVERSIONS: FLOW IS SUBJECT TO THE SAME REGULATION AS STATION F34C-R AND STATION F45B-R.

RECORDS AVAILABLE: OCTOBER 31, 1931 TO SEPTEMBER 30, 1953. FOR EARLIER RECORDS SEE STATION F36-R, LOS ANGELES RIVER AT WILLOW STREET.

EXTREMES OF DISCHARGE:

1951-52
 MAXIMUM 47800 SECOND-FEET JANUARY 16.
 MINIMUM 3.0 SECOND-FEET NOVEMBER 19.
 1952-53
 MAXIMUM 21100 SECOND-FEET NOVEMBER 15.
 MINIMUM 1.9 SECOND-FEET NOVEMBER 3.
 1931-53
 MAXIMUM 99000 SECOND-FEET ESTIMATED MARCH 2, 1938.
 MINIMUM NO FLOW IN 1930-31 AND 1933-34.

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

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

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. NO.	S. INCH	HT. CHANGE TOTAL	METER NO.
1151	10-4	1306 1324	BOND II-MAN	TWO	CHANNELS			13.0	.6	14	0	FC19	
1152	10-11	1220 1240	"	39.0	13.0	0.72	2.24	9.3	.6	12	0	"	
1153	10-18	1250 1314	"	TWO	CHANNELS			6.6	.6	14	0	"	
1154	10-25	1417 1430	HOLLERIN-BOND II-MAN	THREE	CHANNELS		4.87	579.	.6	29	+.28	"	
1155	10-26	1416 1428	HOLLERIN-BOND II-MAN	27.0	18.2	1.66	2.74	30.3	.6	9	0	"	
1156	10-26	1430 1428	"	26.0	25.7	1.14	2.86	29.3	.6	8	0	"	
1157	11-1	1244 1258	BOND II-MAN	30.0	12.1	0.81	2.48	9.8	.6	10	0	"	
1158	11-8	1240 1256	"	TWO	CHANNELS		2.41	8.8	.6	12	0	"	
1159	11-15	1210 1222	"	"	"			10.3	.6	10	0	"	
1160	11-20	0433 0510	HOLLERIN-BOND II-MAN	473.0	1648.	1.37	7.02	2260.	.6	12	+.17	"	
1161	11-21	1220 1234	BOND II-MAN	TWO	CHANNELS		3.71	389.	.6	15	0	"	
1162	11-29	1230 1250	"	"	"			8.6	.6	11	0	"	
1163	12-2	1016 1050	"	"	"		4.23	613.	.6	19	-.02	"	
1164	12-5	0905 0936	HOLLERIN-BOND II-MAN	473.	1330.	2.04	6.14	2720.	.6	19	0	"	
1165	12-6	1252 1306	BOND II-MAN	94.0	80.6	1.08	2.55	87.0	.6	9	0	"	
1166	12-12	1044 1110	BOND II-MAN-HOLLERIN	TWO	CHANNELS		5.28	2100.	.6	22	0	"	
1167	12-13	1310 1330	BOND II-MAN	100.	139.	1.72	3.36	239.	.6	10	0	"	
1168	12-19	1450 1516	"	THREE	CHANNELS		3.64	652.	.6	21	+.08	"	
1169	12-20	1310 1322	"	100.	67.0	1.11	2.50	74.6	.6	8	0	"	
1170	12-27	1158 1210	"	10.0	10.4	1.04	1.80	10.8	.6	6	0	"	
1171	12-29	1540 1604	BOND II-MAN-GRIFF	483.	2220.	5.36	8.17	11900.	.6	12	-.14	"	
1172	12-30	1310 1400	BOND II-MAN-LANG	FOUR	CHANNELS			3950.	.6	28	-.19	"	
1173	12-31	1120 1130	BOND II-MAN	TWO	CHANNELS		3.22	459.	.6	17	-.01	"	
1174	1-3	1316 1340	"	"	"		1.74	76.6	.6	12	0	"	
1175	1-7	0805 0835	BOND II-MAN-LANG	FOUR	CHANNELS		4.02	2000.	.6	28	-.15	"	
1176	1-10	1310 1320	BOND II-MAN	55.0	35.6	0.80	1.47	28.5	.6	9	0	"	
1177	1-13	0211 0210	BOND II-MAN-HOLLERIN	470.	2340.	4.78	6.90	11200.	.6	14	-.48	"	
1178	1-14	1232 1252	"	TWO	CHANNELS		2.41	346.	.6	23	0	"	
1179	1-16	0014 0030	"	500.	3300.	6.92	9.70	22820.	FLOATS	11	0	"	
1180	1-16	0045 0120	"	500.	4070	8.52	10.50	34660.	SURF	10	+.50	FC19	
1181	1-16	1040 1114	"	THREE	CHANNELS		7.04	8380.	.6	13	0	"	
1182	1-17	1430 1446	BOND II-MAN	195.	470.	2.76	3.20	1300.	.6	9	0	"	
1183	1-17	2125 2205	BOND II-MAN-WRIGHT	483.	2680.	11.5	8.00	30900.	.6	12	+.40	"	
1184	1-18	0750 0758	"	463.	3080.	8.53	8.50	26270.	FLOATS	8	-.10	"	
1185	1-19	1548 1610	"	300.	418.	2.39	3.71	998.	.6	14	-.02	FC19	
1186	1-20	1222 1336	BOND II-MAN	215.	373.	1.84	3.82	689.	.6	11	0	"	
1187	1-24	1336 1350	"	130.	192.	1.33	3.24	255.	.6	8	0	"	
1188	1-25	0700 0728	BOND II-MAN-WRIGHT	470.	1330.	6.40	5.78	8510.	.6	14	-.15	"	
1189	1-31	1240 1300	HIDE-BOND II-MAN	92.5	84.1	1.17	3.12	98.4	.6	8	0	"	
1190	2-7	1218 1218	BOND II-MAN	39.0	28.0	0.92	2.70	25.8	.6	10	0	"	
1191	2-14	1230 1250	GILPARTIN-BOND II-MAN	53.0	25.7	1.02	2.85	26.2	.6	11	0	"	
1192	2-21	1150 1208	BOND II-MAN	49.0	25.2	0.90	2.88	22.6	.6	10	0	"	
1193	2-28	1144 1202	"	43.0	22.6	1.01	2.84	22.9	.6	11	0	"	
1194	2-29	2100 2120	HIDE-BOND II-MAN	423.	701.	2.92	4.91	2050.	.6	17	+.02	"	
1195	3-1	1150 11218	BOND II-MAN	TWO	CHANNELS		3.69	306.	.6	15	0	"	
1196	3-6	1130 1158	"	44.0	19.6	0.97	3.02	19.1	.6	13	0	"	
1197	3-7	0814 0850	BOND II-MAN-HIDE	478.	1920.	9.43	8.00	18200.	.6	12	0	"	
1198	3-8	1150 1310	HIDE	THREE	CHANNELS		4.24	374.	.6	20	0	"	
1199	3-13	1200 1220	BOND II-MAN	TWO	CHANNELS		3.78	140.	.6	15	0	"	
1200	3-15	1710 1735	BOND II-MAN-HIDE	468.	1650.	8.85	7.80	14600.	.6	12	-.40	"	
1201	3-16	1316 1352	HIDE-BOND II-MAN	468.	656.	3.19	5.05	2090.	.6	18	0	"	
1202	3-17	1330 1350	BOND II-MAN	450.	623.	1.56	4.62	971.	.6	14	0	"	
1203	3-20	1330 1350	"	TWO	CHANNELS		4.04	433.	.6	14	0	"	
1204	3-27	1300 1350	"	"	"		3.84	218.	.6	14	0	"	
1206	4-3	1310 1330	"	70.0	51.3	1.10	3.38	56.6	.6	10	0	"	
1206	4-8	1024 1062	"	THREE	CHANNELS		4.51	785.	.6	19	-.02	"	
1207	4-10	1550 1600	"	TWO	CHANNELS		3.68	340.	.6	14	0	"	
1208	4-17	1240 1300	"	80.0	36.3	0.90	3.40	32.5	.6	12	0	"	
1209	4-24	1200 1230	BOND II-MAN-GLEES	78.0	45.6	1.09	3.54	49.9	.6	15	0	"	
1210	5-1	1025 1105	LANG	74.5	45.6	1.19	3.54	54.5	.6	24	0	FC12	

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. NO.	S. INCH	HT. CHANGE TOTAL	METER NO.
1211	5-8	1043 1115	"	49.5	60.2	0.51	3.44	30.6	.6	19	0	"	
1212	5-15	1316 1330	BOND II-MAN	48.0	23.3	1.06	3.44	24.8	.6	12	0	FC19	
1213	5-22	1254 1310	"	49.0	25.7	1.05	3.43	27.1	.6	11	0	"	
1214	5-29	1230 1246	"	58.0	27.0	0.96	3.40	26.0	.6	13	0	"	
1215	6-5	1240 1258	"	60.0	28.8	0.74	3.37	21.2	.6	13	0	"	
1216	6-12	1210 1230	"	56.0	24.0	0.90	3.37	21.7	.6	13	0	"	
1217	6-19	1250 1310	"	53.0	23.3	0.90	3.40	20.9	.6	15	0	"	
1218	6-26	1150 1210	"	55.0	22.9	0.86	3.42	19.7	.6	12	0	"	
1219	7-3	1212 1226	"	53.0	20.2	0.73	3.38	14.8	.6	12	0	"	
1220	7-10	1140 1154	"	34.0	15.3	0.79	3.37	12.1	.6	11	0	"	
1221	7-17	1220 1240	"	46.0	19.8	0.94	3.40	18.7	.6	10	0	"	
1222	7-24	1150 1218	"	TWO	CHANNELS		3.42	17.4	.6	16	0	"	
1223	7-31	1240 1310	BOND II-MAN	THREE	CHANNELS		3.49	21.1	.6	19	0	"	
1224	8-7	1215 1236	"	TWO	CHANNELS		3.48	19.8	.6	16	0	"	
1225	8-14	1300 1340	WHISLER	THREE	CHANNELS		3.52	17.6	.6	22	0	"	
1226	8-21	1250 1320	BOND II-MAN	"	"		3.51	15.9	.6	19	0	"	
1227	8-28	1200 1220	"	"	"		3.46	14.1	.6	19	0	"	
1228	9-4	1530 1550	KASIMOFF	"	"		3.40	9.8	.6	19	0	FC47	
1229	9-11	1420 1450	"	"	"		3.31	6.2	.6	18	0	"	
1230	9-18	1210 1220	KLEINNECHT-BOND II-MAN	14.0	5.89	0.89	3.32	5.3	.6	7	0	FC19	
1231	9-25	1150 1210	BOND II-MAN	34.0	14.3	0.87	3.37	12.5	.6	7	0	"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER

AT Pacific Coast Highway DURING THE YEAR ENDING SEPTEMBER 30, 1953 (Last Recorder)

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. NO.	S. INCH	HT. CHANGE TOTAL	METER NO.
1232	10-2	1210 1230	BOND II-MAN	CHANNELS			3.09	13.8	.6	16	0	FC19	
1233	10-9	1150 1150	"	"	"		3.08	12.2	.6	12	0	"	
1234	10-15	1150 1210	"	"	"		3.04	9.5	.6	12	0	"	
1235	10-23	1210 1220	"	10.0	6.31	1.09	2.95	6.9	.6	6	0	"	
1236	10-30	1230 1240	"	20.0	8.50	0.68	3.00	5.9	.6	7	0	"	
1237	11-6	1210 1220	"	11.0	5.76	0.80	2.92	4.6	.6	7	0	"	
1238	11-13	1210 1210	"	27.0	8.90	0.85	2.97	7.5	.6	8	0	"	
1239	11-14	1735 1800	BOND II-MAN-DE MARS	473.	1550.	2.85	6.48	4420.	.6	21	-.15	"	
1240	11-15	1520 1537	"	453.	1590.	4.31	6.70	6850.	.6	12	-.30	"	
1241	11-16	1410 1440	"	CHANNELS			3.48	484.	.6	15	-.02	"	
1242	11-17	1230 1230	BOND II-MAN	76.5	72.0	2.09	2.68	150.	.6	6	0	"	
1243	11-20	1215 1225	"	17.0	14.4	0.81	2.53	11.6	.6	7	0	"	
1244	11-23	0400 0430	DE MARS-BOND II-MAN	452.	652.	2.78	5.23	2370.	.6	13	-.18	"	
1245	11-23	1522 1540	BOND II-MAN	CHANNELS			3.13	383.	.6	18	-.02	"	
1246	11-28	1250 1300	"	16.0	7.67	0.96	2.28	7.4	.6	7	0	"	
1247	12-2	0245 0310	BOND II-MAN-DE MARS	452.	1140.	5.17	6.30	5880.	.6	10	-.48	"	
1248	12-3	1450 1508	DE MARS	39.0	39.4	1.46	2.76	57.6	.6	9	0	"	
1249	12-11	1300 1212	BOND II-MAN	17.0	13.9	1.40		19.5	.6	8	0	"	
1250	12-18	1210 1210	"	28.0	25.2	1.23	2.66	31.0	.6	7	0	"	
1251	12-20	1130 1130	DE MARS-BOND II-MAN	451.	1280.	5.34	5.97	6840.</					

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE CFS.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. HT. CHARGE TOTAL	METER NO.	NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE CFS.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. HT. CHARGE TOTAL	METER NO.
1265	2-5	1230	"	26.0	19.8	1.36	2.83	27.0	.6	8	0	"	1285	5-21	1210	"	22.0	9.00	0.87	2.85	7.8	.6	7	0	"		
1266	2-11	1228	"	25.0	17.8	1.12	2.80	20.0	.6	8	0	"	1286	5-28	1220	"	13.0	5.20	0.92	2.71	4.8	.6	6	0	"		
1267	2-19	1246	"	26.0	13.7	1.24	2.74	17.0	.6	9	0	"	1287	6-4	1275	THOMAS-BONADIMAN	25.5	8.81	0.65	2.79	5.7	.6	9	0	"		
1268	2-23	1281	BONADIMAN-DE MARS	CHANNELS			1.26	208.	.6	13	+06	"	1288	6-11	1282	BONADIMAN	19.0	8.98	0.67	2.75	6.0	.6	9	0	"		
1269	2-23	1278	"				3.53	392.	.6	14	+04	"	1289	6-18	1248	"	21.0	7.33	0.88	2.70	5.0	.6	7	0	"		
1270	2-26	1312	BONADIMAN		37.0	23.6	0.95	2.91	22.4	.6	10	0	"	1290	6-25	1270	"	23.0	8.57	0.90		7.7	.6	7	0	"	
1271	3-5	1228	"	44.0	22.4	0.85	2.87	19.1	.6	9	0	"	1291	7-2	1132	"	CHANNELS			2.62	7.1	.6	10	0	"		
1272	3-12	1233	DE MARS	CHANNELS			2.86	17.3	.6	16	0	FC34	1292	7-9	1130	"	21.0	8.00	0.86	2.62	6.9	.6	8	0	"		
1273	3-19	1233	BONADIMAN		54.0	22.6	0.79		17.8	.6	9	0	FC19	1293	7-16	1248	BONADIMAN-ROYCE	26.0	9.85	0.95	2.82	9.4	.6	9	0	"	
1274	3-20	1255	DE MARS	CHANNELS			3.94	620.	.6	17	+01	"	1294	7-23	1270	HASKELL-BONADIMAN	19.0	11.0	0.91	2.82	10.0	.6	11	0	"		
1275	3-26	1334	WHISLER-BONADIMAN		36.0	16.6	1.41	2.82	23.4	.6	12	0	"	1295	7-30	1160	BONADIMAN	19.0	8.76	0.71	2.66	6.2	.6	9	0	"	
1276	4-2	1222	BONADIMAN		36.0	15.3	1.09	2.86	16.7	.6	10	0	"	1296	8-6	1208	"	CHANNELS			2.58	7.4	.6	11	0	"	
1277	4-9	1270	"	15.0	10.7	0.96	2.76	10.3	.6	8	0	"	1297	8-13	1230	"	11.0	7.71	0.42	2.65	3.2	.6	7	0	"		
1278	4-16	1252	"	21.0	12.6	0.88	2.80	11.1	.6	10	0	"	1298	8-20	1255	"	CHANNELS			2.78	7.8	.6	11	0	"		
1279	4-23	1270	"	44.0	20.0	0.98	2.90	19.5	.6	9	0	"	1299	8-27	1140	"	17.0	5.96	0.75	2.73	4.5	.6	8	0	"		
1280	4-28	1300	BONADIMAN-DE MARS	CHANNELS			5.13	1540.	.6	19	+01	"	1300	9-3	1144	WADDICOR	13.0	6.96	0.52	2.68	3.6	.6	9	0	FC37		
1281	4-28	1505	DE MARS	"			3.66	295.	.6	10	0	"	1301	9-10	1130	"	12.0	5.83	0.62	2.77	3.5	.6	8	0	"		
1282	4-30	1230	BONADIMAN		35.0	16.1	1.17	3.02	18.9	.6	9	0	"	1302	9-17	1132	"	11.0	6.35	0.57	2.63	3.6	.6	9	0	"	
1283	5-7	1250	"	20.0	6.88	0.82		5.7	.6	7	0	"	1303	9-24	1172	"	12.5	5.00	0.62	2.55	3.1	.6	10	0	"		
1284	5-14	1250	"	23.0	8.13	0.55	2.80	4.5	.6	6	0	"															

760748 P. C. Dist. 32 9-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F150-R

Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	9.8		32	58	582	85	54	22	16	19	11
2	12	9.7	201	77	78	108	71	51	23	15	19	11
3	13	9.5	40	77	67	27	57	48	24	15	19	10
4	13	9.4	22	75	57	23	57	44	22	15	20	9.8
5	12	9.2	857	68	46	21	57	41	21	14	20	9.3
6	12	9.1	151	60	35	19	50	37	24	14	20	8.8
7	11	8.9	84	684	26	40	63	34	24	13	20	8.2
8	11	8.8	77	209	26	489	1010	31	24	13	20	7.7
9	10	9.0	72	34	26	362	368	31	24	12	20	7.2
10	10	9.2	63	28	26	224	610	31	23	12	19	6.7
11	9.3	9.4	66	28	26	288	614	28	24	13	19	6.2
12	8.9	9.6	828	3060	26	174	184	25	22	14	18	6.1
13	8.6	9.8	269	2800	26	162	104	24	22	15	18	6.0
14	8.2	10	88	368	26	149	75	24	21	16	18	5.8
15	7.8	10	70	3900	26	7250	57	24	21	17	19	5.7
16	7.4	5.8	68	8900	27	4630	42	26	21	18	18	5.4
17	7.0	4.6	68	9010	24	1490	32	26	21	19	17	5.3
18	6.6	3.8	73	16310	23	814	32	26	21	19	17	5.3
19	9.3	4.3	268	1100	24	775	177	25	21	19	16	7.0
20	10	6.62	134	710	23	481	229	25	21	18	16	2.0
21	9.0	28.5	65	512	23	415	60	28	21	18	16	1.3
22	7.0	11.5	56	392	23	348	57	28	21	17	16	7.7
23	6.4	50	47	495	23	285	52	27	20	17	16	8.7
24	7.3	37	38	918	23	266	50	28	20	17	15	9.3
25	28.0	27	29	3460	23	238	50	26	20	17	15	1.0
26	7.4	21	20	1280	23	242	45	24	20	17	14	1.0
27	1.4	17	11	201	23	219	66	27	20	16	14	1.3
28	10	13	11	163	23	135	54	28	21	16	14	1.2
29	10	8.6	3970	140	413	127	54	27	19	16	14	7.7
30	10	9.0	2750	122		113	52	26	20	15	13	1.1
31	10	6.62	134	710	23	481	229	25	21	18	16	2.0
	636.8		10778.0		1324.0		4930.0		646.0		530.0	
	1404.5		57359.0		27625.0		947.0		497.0		265.1	

MEAN	20.5	46.8	34.8	1850.	45.7	891.	164.	30.5	21.5	16.0	17.1	8.84
ACRE- FEET	1260.	2790.	21380.	113800.	2630.	54790.	9780.	1880.	1280.	986.	1050.	526.
Remarks:									YEAR OR PERIOD	MEAN 222.		
									ACRE-FEET	212200.		

NDI 648 F. C. Dist. 82 9-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

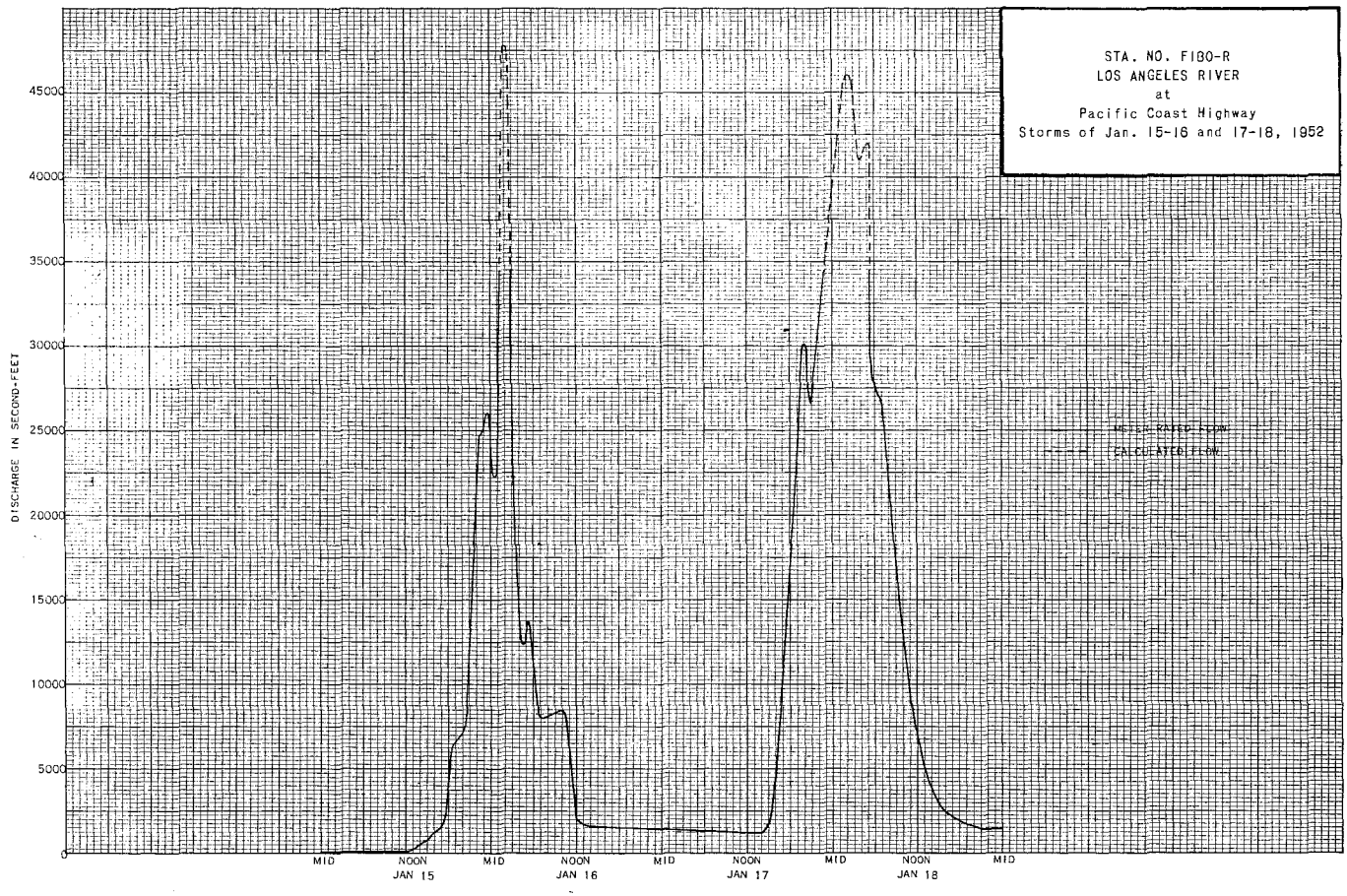
Sta. No. F180-R

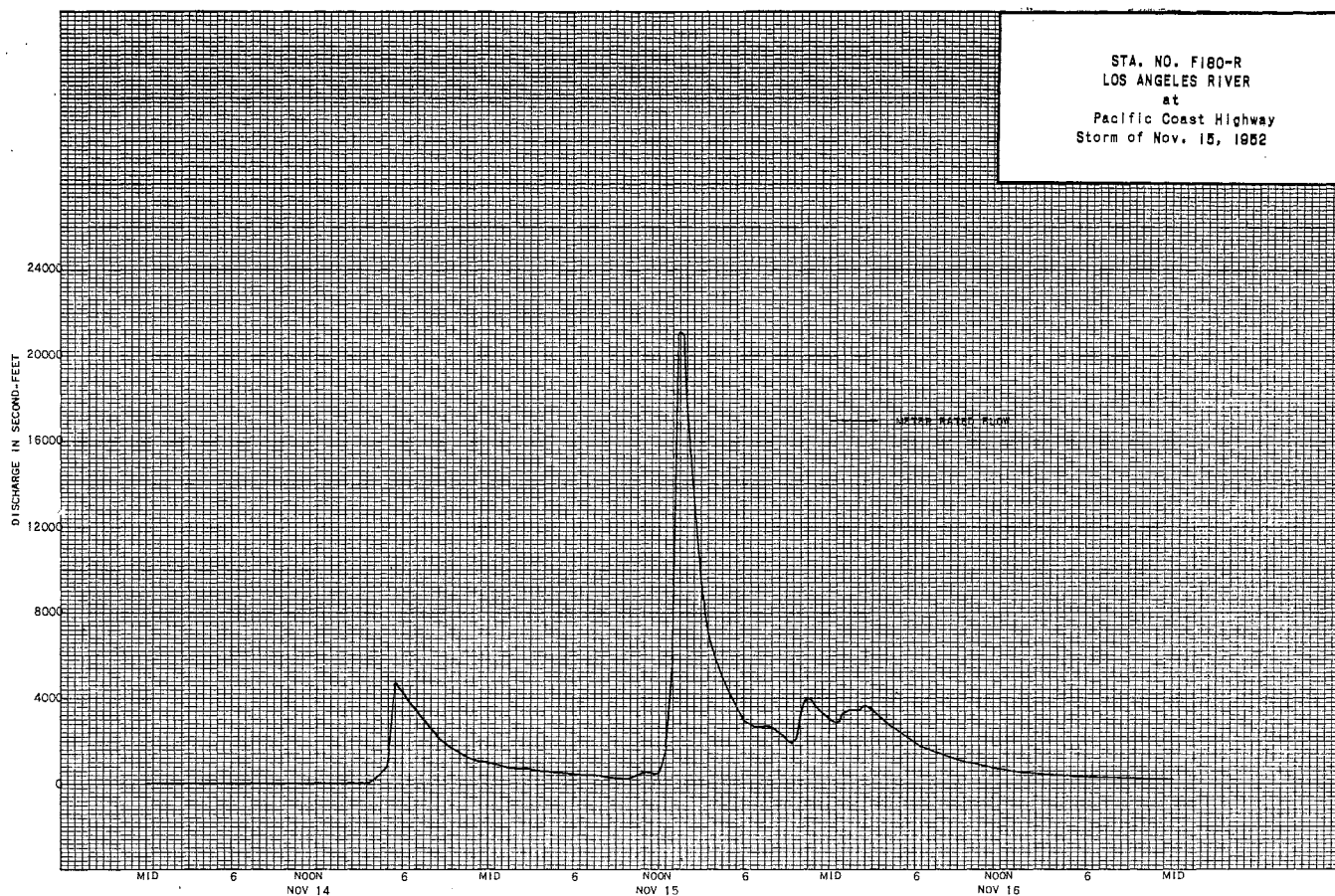
Daily discharge, in second-feet of LOS ANGELES RIVER at Pacific Coast Highway for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	5.8	6.1	10.4	23	29	15	b 17	b 6.5	b 7.2	b 6.5	b 3.9
2	11	3.8	20.3	31	21	5.4	16	b 15	b 6.1	b 7.1	b 6.7	b 3.7
3	11	1.9	11.8	25	25	2.4	15	b 13	b 5.9	b 7.1	b 6.9	b 3.6
4	9.6	3.0	b 4.0	23	28	2.1	14	b 11	b 5.7	b 7.1	b 7.0	b 3.6
5	7.0	4.6	3.3	1.9	27	2.0	9.6	b 9.5	b 5.7	b 7.0	b 7.2	b 3.6
6	3.8	5.2	3.3	11.6	24	1.9	9.0	b 7.7	b 5.6	b 7.0	b 7.4	b 3.5
7	8.3	4.9	3.3	43.7	25	1.8	1.7	b 5.7	b 5.6	b 6.9	b 6.2	b 3.5
8	8.3	4.0	3.1	23.6	21	1.7	1.2	b 5.6	b 5.9	b 6.9	b 6.2	b 3.5
9	10	5.5	5.2	14.9	17	1.7	8.6	b 5.4	b 5.9	b 6.9	b 5.6	b 3.5
10	11	1.3	b 5.0	11.8	21	1.7	8.3	b 5.2	b 5.0	b 7.3	b 5.0	b 3.5
11	10	1.0	2.0	14.0	21	1.7	8.6	b 5.0	b 6.0	b 7.7	b 4.4	b 3.5
12	6.7	8.6	b 2.1	12.7	19	1.7	7.7	b 4.9	b 5.8	b 9.1	b 3.8	b 3.5
13	3.2	8.0	b 2.3	23.4	19	b 1.7	9.3	b 4.7	b 5.7	b 8.5	b 3.2	b 3.5
14	7.0	7.1	2.4	5.0	19	1.7	11	b 4.5	b 5.6	b 9.0	b 3.9	b 3.6
15	5.5	2.9	2.2	1.9	1.9	1.3	1.1	b 4.9	b 5.4	b 9.2	b 4.5	b 3.6
16	8.0	1.2	4.2	15.2	16	1.8	10	b 5.5	b 5.3	b 9.4	b 5.2	b 3.6
17	8.0	1.5	8.8	14.0	18	1.8	9.6	b 4.6	b 5.1	b 9.4	b 5.8	b 3.5
18	8.0	4.0	3.1	13.2	18	b 1.8	9.3	b 5.0	b 5.0	b 9.5	b 6.5	b 3.4
19	6.4	2.2	b 1.8	11.3	15	1.8	6.7	b 5.5	b 5.4	b 9.6	b 7.1	b 3.4
20	2.9	1.2	2.4	10.8	17	2.2	7.7	b 6.4	b 5.8	b 9.7	b 7.8	b 3.4
21	7.0	6.4	3.4	10.4	17	4.2	6.0	b 7.0	b 6.2	b 9.8	b 7.3	b 3.3
22	7.0	1.0	7.9	10.4	13	2.3	3.4	b 6.1	b 6.6	b 9.9	b 6.8	b 3.2
23	7.0	6.3	4.4	9.7	17.0	2.4	2.0	b 4.9	b 7.0	b 10	b 6.4	b 3.2
24	5.7	8.4	2.5	7.7	11.4	2.4	1.4	b 4.9	b 7.4	b 9.5	b 5.9	b 3.1
25	5.4	4.6	1.4	4.0	2.3	2.5	1.0	b 4.9	b 7.7	b 8.9	b 5.4	b 3.1
26	3.5	2.9	8.0	3.4	2.1	2.8	8.6	b 4.6	b 7.6	b 9.4	b 5.0	b 3.5
27	3.5	1.7	c 8.0	3.0	2.0	2.5	13.7	b 4.5	b 7.5	b 7.3	b 4.4	b 3.9
28	3.5	7.4	8.3	3.0	2.0	2.5	5.7	b 4.5	b 7.4	b 7.3	b 4.4	b 3.9
29	5.6	9.0	1.6	2.3	1.8	1.8	3.2	b 1.1	b 7.4	b 6.7	b 4.2	b 4.1
30	5.3	2.3	4.6	2.7	1.3	1.3	1.9	b 6.7	b 7.3	b 6.2	b 4.1	b 4.3
31	5.3	2.3	8.9	2.8	1.6	1.6	1.6	b 6.5	b 6.4	b 6.4	b 4.0	b 4.3
219.6 5365.5 5099.0 373.5 81.6 95.4 212.6 187.3 251.6 175.5												

MEAN	7.08	212.	261.	122.	29.1	31.1	41.4	6.86	6.21	3.12	5.66	3.56
ACRE- FEET	476.	12630.	16060.	7510.	162.	1910.	2476.	422.	370.	499.	328.	212.

Remarks: YEAR OR PERIOD MEAN ACRE- FEET 61.4 44490.





STATION F279B-R
LOS CERRITOS CHANNEL above Anaheim Street

LOCATION: WATER-STAGE RECORDER, LAT. $33^{\circ}47'23''$, LONG. $119^{\circ}06'10''$, ON THE RIGHT (WEST) BANK 1200 FEET ABOVE ANAHEIM STREET. ELEVATION OF ZERO GAGE HEIGHT 4.50 FEET.

DRAINAGE AREA: 36.2 SQUARE MILES.

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

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

RECORDER: INSTALLED JUNE 1, 1949 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATIONS AND/OR DIVERSIONS: NONE.

RECORDS AVAILABLE: LOS CERRITOS CHANNEL AT 7TH STREET, RECORDER RECORDS NOVEMBER 23, 1942 TO JUNE 1, 1949. PRESENT LOCATION JUNE 1, 1949 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 2220 SECOND-FEET JANUARY 18.
MINIMUM DRY PART OF SEASON.
1952-53
MAXIMUM 1700 SECOND-FEET NOVEMBER 15.
MINIMUM DRY PART OF SEASON.
1949-53
MAXIMUM 2220 SECOND-FEET JANUARY 18, 1952.
MINIMUM DRY PART OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL
above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF LOS CERRITOS CHANNEL
above Anaheim Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS.	METH. NO.	W. CH. NO.	D. CH. NO.	HY. CHANGE TOTAL	METER NO.
43	11-21	1502	BONADIMAN	38.0	11.2	0.65	0.58	7.3	.6	8	0		FC19	
44	11-29	1534	"	1.0	0.20	0.70	0.30	0.14	.5	3	0		"	
45	12-2	1330	"	42.0	14.4	0.51	0.64	7.4	.6	9	0		"	
46	12-5	0400	HOLLERON-BONADIMAN	32.0	83.2	0.94	1.61	78.4	.6	6	+02		"	
47	12-6	1432	BONADIMAN	24.0	4.16	0.60	0.40	2.5	.5	7	0		"	
48	12-12	0832	BONADIMAN-HOLLERON	70.0	88.5	0.80	1.77	70.9	.6	16	0		"	
49	12-13	1502	BONADIMAN	38.0	8.84	0.42	0.51	3.7	.5	8	0		"	
50	12-19	1330	"	60.0	49.2	0.71	1.32	34.9	.6	11	-04		"	
51	12-20	1500	"	30.0	5.52	0.34	0.42	1.9	.5	6	0		"	
52	12-27	1430	"	1.5	0.22	0.36	0.30	0.08	.5	3	0		"	
53	12-29	1268	BONADIMAN-GROFF	60.0	184	3.62	3.76	667	.6	7	-04		"	
54	1-10	1418	BONADIMAN	26.0	2.92	0.32	0.35	0.94	SURE	5	0		"	
55	1-12, 13	2355	BONADIMAN-HOLLERON	57.0	164	4.26	3.61	696	.6	8	-02		"	
56	1-15	2238	"	54.0	116	2.37	2.37	274	.6	7	-02		"	
57	1-18	0306	BONADIMAN-WRIGHT	77.0	388	5.72	6.53	2220	.6	8	0		"	
58	1-25	1068	"	57.0	103	1.60	1.81	164	.6	8	-02		"	
59	1-31	1516	HYDE-BONADIMAN	2.5	0.50	0.44	0.22	0.22	.5	3	0		"	
60	3-7	0849	BONADIMAN-HYDE	69.0	271	3.27	4.38	887	.6	9	-04		"	
61	3-8	1468	BONADIMAN	50.0	27.3	1.02	0.82	28.0	.6	9	0		"	
62	3-15	1936	BONADIMAN-HYDE	68.0	215	3.79	3.97	814	.6	8	+06		"	
63	3-19	1440	BONADIMAN	54.0	22.6	0.85	0.74	19.2	.6	10	0		"	
64	4-10	1432	"	54.0	40.2	0.96	1.15	38.5	.6	8	+02		"	

NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS.	METH. NO.	W. CH. NO.	D. CH. NO.	HY. CHANGE TOTAL	METER NO.
65	11-15	1722	BONADIMAN-DE MARS	67.0	131	2.70	2.45	354	.6	8	-10		FC19	
66	11-23	1436	BONADIMAN	5.5	3.60	1.69	0.49	6.1	.6	6	-01		"	
67	12-1	2155	BONADIMAN-DE MARS	70.0	150	2.61	2.60	391	.6	9	+05		"	
68	12-3	1255	DE MARS	32.0	2.90	0.69	0.34	2.0	.5	6	-04		"	
69	12-20	0855	"	72.0	197	2.97	3.50	588	.6	10	+20		"	
70	12-28	1104	DE MARS-BONADIMAN	60.0	110	2.20	2.35	242	.6	8	+10		"	
71	12-28	1212	"	68.0	147	3.30	3.45	549	.6	9	+10		"	
72	12-29	1500	DE MARS	34.0	5.42	0.89	0.38	4.8	.6	7	0		"	
73	12-30	2116	BONADIMAN-GODFREY	57.0	101	1.25	1.70	126	.6	10	0		"	
74	1-7	1342	"	46.0	17.8	1.10	0.70	19.5	.6	9	0		"	
75	1-15	1502	WALKER-BONADIMAN	6.0	1.32	1.14	0.27	1.5	.5	3	0		"	
76	2-23	1442	BONADIMAN	5.0	1.44	1.39	0.30	2.0	.6	4	0		"	
77	4-9	1512	"	3.0	0.90	1.11	0.40	1.00	.6	3	0		"	
78	4-23	1444	"	3.5	1.19	0.69	0.38	0.82	.6	4	0		"	
79	4-27	2310	BONADIMAN-DE MARS	53.0	122	1.96	2.24	239	.6	7	-02		"	
80	4-30	1432	BONADIMAN	2.0	0.90	0.92	0.34	0.83	.5	3	0		"	
81	5-14	1432	"	1.0	0.20	0.25	0.24	0.05	.5	3	0		"	

TABLE F, C. DIST. 52 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2798-B

Daily discharge, in second-feet of LOS CERRITOS CHANNEL above Anaheim Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	3.2	8.0	8.1	0	0	0	0	0	0
2	0	0	7.7	0.8	8.0	1.5	0	0	0	0	0	0
3	0	0	0.4	0.3	5.4	0.9	0	0	0	0	0	0
4	0	0	0.3	0.9	4.8	1.5	0	0	0	0	0	0
5	0	0	2.9	0.6	3.7	1.3	0	0	0	0	0	0
6	0	0	3.4	0.5	2.8	0.9	0	0	0	0	0	0
7	0	0	1.0	3.4	2.1	4.2	0	0	0	0	0	0
8	0	0	0	5.4	1.5	5.6	6.7	0	0	0	0	0
9	0	0	0	2.8	1.3	2.7	1.9	0	0	0	0	0
10	0	0	0	1.5	1.2	3.2	2.3	0	0	0	0	0
11	0	0	0	1.0	1.0	4.6	7.2	0	0	0	0	0
12	0	0	2.3	8.0	1.0	3.9	2.1	0	0	0	0	0
13	0	0	3.2	1.8	0.9	3.6	0	0	0	0	0	0
14	0	0	1.2	4.8	+	3.3	0	0	0	0	0	0
15	0	0	0.3	9.4	0.9	3.4	0	0	0	0	0	0
16	0	0	0	5.0	0.9	2.3	0	0	0	0	0	0
17	0	0	0	3.6	0.9	4.2	0	0	0	0	0	0
18	0.3	0	0	8.3	0.9	3.0	0	0	0	0	0	0
19	1.3	0	1.9	7.2	0.9	1.8	0	0	0	0	0	0
20	0	11.9	2.6	1.3	0.9	6.4	7.4	0	0	0	0	0
21	0	1.5	0.6	7.4	0.8	5.8	1.6	0	0	0	0	0
22	0	3.0	0.3	5.4	0.9	4.8	0	0	0	0	0	0
23	0	1.2	0	3.7	0.9	3.9	0	0	0	0	0	0
24	0	0.6	0	2.3	0.9	3.2	0	0	0	0	0	0
25	2.0	0	0	1.9	0.8	3.0	2.2	0	0	0	0	0
26	3.0	0	0	4.8	0.9	2.8	1.8	0	0	0	0	0
27	0.5	0	0	1.9	0.8	2.3	1.9	0	0	0	0	0
28	0	0	0	1.4	0.9	1.6	1.4	0	0	0	0	0
29	0	0	4.2	0.3	9.1	0	0	0	0	0	0	0
30	0	0	2.5	0.4	0	0	0	0	0	0	0	0
31	0	0	1.4	0.2	0	0	0	0	0	0	0	0

MEAN	0.81	4.63	25.4	77.3	1.65	45.5	3.12	0	0	0	0	0
NO. FEET	50.	275.	1560.	4760.	95.	2800.	186.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRB-FEET 13.4 9730.

FD-108 P. C. Ditch 52 8-56

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F279B-R

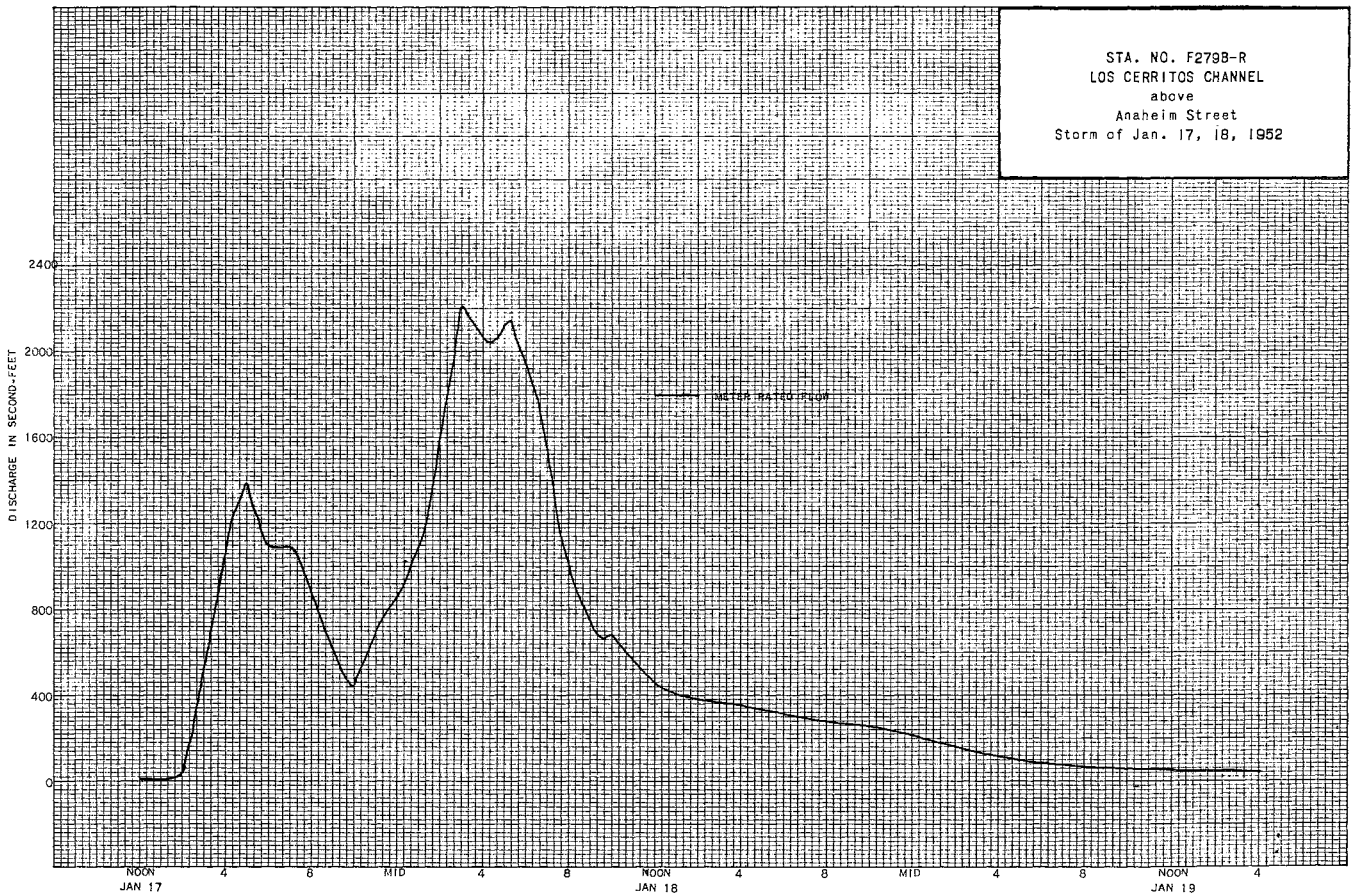
Daily discharge, in second-feet of LOS CERRITOS CHANNEL 1200 feet above Anaheim Street, for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	104	a 1.9	0	2.0	0	0	0	0	0	0
2	0	0	161	a 2.0	0	1.6	0	0	0	0	0	0
3	0	0	0	3.2	0	2.8	0	0	0	0	0	0
4	0	0	0	0	0	+	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	2.3	0	0	0	0	0	0	0	0
7	0	0	0	4.0	0	0	0	0	0	0	0	0
8	0	0	0	1.9	0	0	0	0	0	0	0	0
9	0	0	0	4.2	0	0	1.0	0	0	0	0	0
10	0	0	0	1.5	0	0	0	0	0	0	0	0
11	0	0	0	1.5	0	0	0	0	0	0	0	0
12	0	0	0	1.5	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1.0	0	0	0	0	0	0	0	0
15	0	0	0	1.9	0	0	0	0	0	0	0	0
16	0	2.5	0	0	0	0	0	0	0	0	0	0
17	0	9.0	0	0	0	0	0	0	0	0	0	0
18	0	3.7	0	0	0	0	0	0	0	0	0	0
19	0	1.1	0	0	0	0	0	0	0	0	0	0
20	0	0	14.2	0	0	0	2.8	0	0	0	0	0
21	0	0	3.2	0	0	0	5.8	0	0	0	0	0
22	0	6.3	a 11.0	0	0	0	2.8	0	0	0	0	0
23	0	1.4	0	0	3.6	0	1.0	0	0	0	0	0
24	0	1.9	0	0	3.6	0	0.4	0	0	0	0	0
25	0	1.2	0	0	1.5	0	0.4	0	0	0	0	0
26	0	0	a 11.0	0	0	0	3.3	0	0	0	0	0
27	0	0	0	0	0	0	5.2	0	0	0	0	0
28	0	0	11.7	0	0	0	2	0	0	0	0	0
29	0	1.2	4.7	0	0	0	4.5	0	0	0	0	0
30	0	2.9	4.9	0	0	0	1.3	0	0	0	0	0
31	0	0	2.6	0	0	0	0	0	0	0	0	0
	0	510.2	619.9	118.0	15.5	20.8	133.8	+	0	0	0	0

MEAN	0	17.0	20.0	3.81	0.55	0.67	4.45	0	0	0	0	0
ACRE-FOOT	0	1010.	1230.	234.	31.	41.	265.	0	0	0	0	0

Remarks: ± 0.05 c.f.s. or less

YEAR OR PERIOD MEAN ACRE-FOOT 3.88 2810.



DISHARGE MEASUREMENTS OF MALIBU CREEK AT NEAR Grater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET/SEC.	RAISE HEIGHT FEET	DISHARGE REG. FT.	RAT. INB	METH. CD	MEAS. REG. NO.	B. HY. CHANGE TOTAL	METER NO.
546	12-30	1182	BOLLINGER	10.1	3.76	1.30	4.55	4.9	.5	13	0	FC6	
547	1-4	1186	"	1.5	0.30	0.57	4.15	0.17	.5	4	0	"	
548	1-13	1187	BOLLINGER-BROWN	30.0	46.8	7.00	6.04	328.		6	8	+03	"
549	1-22	1188	BOLLINGER	42.2	48.5	2.39		116.		.6	24	FC20	"
550	1-23	1178	"	40.8	45.3	2.36		107.		.6	24	"	"
551	1-26	1140	THOMAS-BOLLINGER	44.5	33.0	2.63		86.8		.6	18	FC6	"
552	1-30	1138	BOLLINGER	23.7	21.0	2.47		51.8		.6	18	"	"
553	2-4	1125	"	20.4	14.2	2.44		34.6		.6	22	"	"
554	2-7	1087	"	17.0	11.2	2.50		28.1		.6	15	"	"
555	2-11	1082	"	18.1	10.3	2.11		21.7		.6	18	"	"
556	2-15	1095	"	15.9	9.31	1.98		18.5		.6	16	"	"
557	2-20	1097	"	18.8	12.3	1.17		14.4		.6	18	"	"
558	2-27	1114	"	15.7	8.71	1.98		11.8		.6	17	"	"
559	3-5	1093	"	11.8	8.10	1.40		11.3		.6	15	"	"
560	3-7	1180	BOLLINGER-BROWN	52.0	191.	6.98	7.54	1330.		.6	18	0	"
561	3-8	1075	"	43.0	61.2	3.71		227.		.6	11	"	"
562	3-11	1088	BOLLINGER	41.8	42.4	2.50		108.		.6	22	"	"
563	3-13	1086	"	36.6	33.3	2.28		75.5		.6	20	"	"
564	3-16	1068	BOLLINGER-BROWN	65.0	161.	5.79		932.		.6	11	"	"
565	3-18	1099	BOLLINGER-HYDE	56.0	96.2	3.45		332.		.6	13	"	"
566	3-21	1095	THOMAS-BOLLINGER	41.1	58.2	2.40		142.		.6	18	"	"
567	3-27	1090	BOLLINGER	39.5	36.8	1.63		87.2		.6	23	"	"
568	4-2	1090	"	20.8	21.8	2.14		46.6		.6	21	"	"
569	4-9	1095	"	21.0	24.3	1.58	4.92	38.3		.6	22	"	"
570	4-16	1099	"	27.5	19.0	1.52	4.34	28.8		.6	23	0	"
571	4-22	1061	"	24.0	18.6	1.23	4.15	20.5		.6	23	0	"
572	5-1	1072	"	21.5	17.3	1.35		23.4		.6	18	"	"
573	5-7	1070	"	17.3	14.1	0.80		11.2		.6	18	FC49	"
574	5-15	1095	"	9.7	18.4	0.40		7.4		.6	10	"	"
575	5-22	1095	"	7.5	6.02	1.34		9.1		.6	10	FC6	"
576	5-29	1085	THOMAS	10.5	5.67	1.02		5.8		.6	13	FC42	"
577	6-5	1088	BOLLINGER	13.0	14.2	0.45		6.4		.6	19	FC49	"
578	6-12	1098	"	11.4	4.37	0.71	3.82	3.1		.6	13	0	"
579	6-19	1098	"	10.7	4.01	0.57	3.78	2.3		.6	13	0	FC40
580	6-28	1098	"	9.8	3.28	0.79	3.80	2.8		.6	11	0	FC6
581	7-3	1098	"	6.2	4.72	0.47	3.75	2.2		.6	8	0	"
582	7-10	1098	"	10.0	5.99	0.23	3.88	1.4		.6	9	0	"
583	7-17	1098	THOMAS	10.7	5.36	0.35	3.98	1.9		.6	9	0	FC42
584	7-24	1072	"	7.9	2.99	0.94	4.04	2.8		.5	10	0	"
585	7-31	1085	BOLLINGER	3.7	1.83	1.04	3.98	1.7		.6	9	0	FC6
586	8-7	1098	"	2.6	1.03	0.84	3.82	0.87		.6	8	0	"
587	8-14	1098	"	2.8	1.12	0.82	3.83	0.89		.6	8	0	"
588	8-21	1098	"	3.0	1.09	0.86	3.83	0.73		.6	7	0	"
589	8-28	1098	HYDE-BOLLINGER	3.3	1.51	1.32	3.97	2.0		.6	6	0	"
590	9-4	1098	BOLLINGER	1.5	0.31	0.64	3.69	0.20		.5	4	0	"
591	9-11	1098	"	2.0	0.70	1.18	3.82	0.85		.6	5	0	"
592	9-18	1098	"	1.1	0.37	1.46	3.72	0.54		.5	3	0	"
593	9-25	1097	"	1.1	0.34	1.47	3.72	0.50		.5	3	0	"

DISHARGE MEASUREMENTS OF MALIBU CREEK AT NEAR Grater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET/SEC.	RAISE HEIGHT FEET	DISHARGE REG. FT.	RAT. INB	METH. CD	MEAS. REG. NO.	B. HY. CHANGE TOTAL	METER NO.
594	10-2	1701	BOLLINGER	1.5	0.37	1.05	3.73	0.39	.5	4	0	FC6	
595	10-9	1653	"	1.4	0.49	1.08	3.71	0.53	.5	4	0	"	
596	10-16	1652	"	1.5	0.51	0.80	3.73	0.41	.5	4	0	"	
597	10-23	1653	"	1.5	0.38	0.84	3.72	0.32	.5	4	0	"	
598	10-30	1652	"	1.5	0.41	0.93	3.73	0.38	.5	4	0	"	
599	11-5	1420	"	1.0	0.22	0.64	3.72	0.14	.5	3	0	"	
600	11-13	1616	"	1.5	0.49	0.94	3.79	0.46	.5	4	0	"	
601	11-15	1417	BOLLINGER-WOOD	36.0	44.7	1.32	4.42	59.2		.6	22	+03	"
602	11-20	1643	BOLLINGER	4.5	1.57	1.02	3.73	1.6		.5	7	0	"
603	11-25	1317	"	3.9	1.14	1.32	3.78	1.5		.6	7	0	"
604	12-2	1110	"	39.0	34.2	1.86	4.47	63.5		.6	23	-06	"
605	12-4	1615	"	16.2	7.3	0.55		4.1		.6	15	"	"
606	12-11	1672	"	13.8	8.05	0.36	3.82	2.8		.6	13	0	FC49
607	12-18	1628	"	16.0	9.53	0.32	3.82	3.1		.6	16	0	FC6
608	12-21	1188	"	17.3	12.1	1.13	4.23	13.7		.6	19	0	"
609	12-23	1113	"	17.0	24.5	1.26	4.04	30.9		.8	16	+02	"
610	12-28	1093	BOLLINGER-WOOD	39.0	27.2	1.08	4.18	28.8		SURF	10	+02	"
611	12-31	1097	"	37.7	27.7	1.81	4.33	50.2		.6	28	0	"
612	1-8	1218	BOLLINGER	16.5	12.2	1.18	4.02	14.1		.6	17	0	"
613	1-15	1090	"	15.7	12.4	0.98	4.00	12.2		.6	18	0	"
614	1-21	1090	BOLLINGER-HYDE	16.0	11.0	0.94	3.98	10.3		.6	18	0	"
615	1-29	1098	BOLLINGER-WOOD	16.6	12.2	0.63	3.94	7.7		.6	18	0	"
616	2-5	1640	BOLLINGER	15.2	11.9	0.51	3.98	6.1		.6	15	0	"
617	2-11	1617	"	16.4	14.5	0.81	4.10	11.7		.6	17	0	"
618	2-19	1412	BOLLINGER-HHISLER	7.0	3.88	0.95	3.89	3.7		.6	10	0	"
619	2-26	1093	BOLLINGER-DE WARS	11.6	5.69	0.84	4.00	4.8		.6	12	0	"
620	3-3	1093	BOLLINGER	12.5	12.1	0.98	4.02	4.4		.6	14	0	"
621	3-12	1540	"	10.8	10.4	0.31	3.98	3.2		.6	11	0	"
622	3-19	1442	HYDE-BOLLINGER	11.0	4.79	0.71	3.98	3.4		.6	9	0	"
623	3-26	1510	"	15.0	8.31	0.43	3.93	3.5		.6	9	0	"
624	4-2	1098	"	5.0	1.78	0.84	3.82	1.5		.6	8	0	"
625	4-9	1510	HYDE	4.5	1.70	1.54	3.88	2.6		.6	8	0	FC35
626	4-16	1450	"	4.5	1.54	1.58	3.82	2.4		.6	7	0	"
627	4-20	1415	"	4.5	1.72	1.34		2.3		.6	10	"	"
628	4-23	1430	"	4.3	1.61	1.43		2.3		.6	10	"	"
629	4-30	1555	"	4.2	1.40	1.57		2.2		.6	10	"	"
630	5-7	1360	"	4.0	1.43	1.19		1.7		.6	7	"	"
631	5-14	1406	"	3.7	1.28	0.94		1.2		.6	8	"	"
632	5-21	1330	"	3.9	1.28	0.78	3.76	1.0		.6	9	0	"
633	5-28	1435	"	3.7	1.23	0.78	3.79	0.96		.6	9	0	"
634	6-4	1558	BOLLINGER	4.5	1.17	0.79	3.78	0.89		.5	9	0	FC6
635	6-11	1405	"	3.8	1.04	0.51		0.83		.5	7	"	"
636	6-18	1540	"	1.9	0.83	1.08		0.57		.5	5	"	"
637	6-25	1552	"	1.8	0.41	1.15		0.47		.5	5	"	"
638	7-2	1485	"	2.5	0.58	0.81		0.47		.5	5	"	"
639	7-9	1410	"	1.6	0.47	1.11		0.52		.5	4	"	"
640	7-16	1509	"	1.5	0.26	0.69		0.18		.5	4	"	"
641	7-23	1355	HYDE	1.3	0.22	0.78		0.16		.5	4	FC35	"
642	7-30	1425	"	1.6	0.35	0.89		0.22		.5	4	"	"
643	8-6	1512	BOLLINGER	1.5	0.36	0.69		0.25		.5	4	FC6	"
644	8-13	1518	"	1.5	0.31	0.68		0.21		.5	4	"	"
645	8-20	1529	"	0.80	0.15	0.73		0.11		.5	3	"	"
646	8-27	1547	"	0.80	0.15	0.73		0.11		.5	3	"	"
647	9-3	1508	"	0.80	0.16	0.75		0.12		.5	3	"	"
648	9-10	1445	"	0.80	0.16	0.80		0.08		.5	3	"	"
649	9-17	1516	"	0.80	0.16	0.86		0.09		.5	3	"	"
650	9-24	1450	"	0.80	0.15	0.93		0.14		FLUATS	3	"	"

70704 P. C. Dist. 22 2-28

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp for the year ending September 30, 1952

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0	0	0	0.2	b 4.5	b 1.2	b 5.0	b 2.3	b 6.0	2.3	0.7	0.4
2	0	0	0	0.2	b 4.2	b 1.2	b 4.7	b 2.1	b 6.1	2.5	0.7	0.5
3	0	0	0	0.2	b 3.8	b 1.1	b 4.4	b 1.9	b 6.2	2.3	0.6	0.5
4	0	0	+	0.2	b 3.5	b 1.1	b 4.1	b 1.7	b 6.3	2.3	0.8	0.3
5	0	0	+	0.2	b 3.0	b 1.0	b 3.8	b 1.5	b 6.4	2.1	1.0	0.4
6	0	0	+	0.2	b 3.0	b 2.9	b 4.9	b 1.1	b 4.8	2.1	0.7	d +
7	0	0	0	0.4	b 2.8	1570.0	b 4.1	b 11	b 4.0	2.1	0.6	d +
8	0	0	0	0.2	b 2.6	356.6	b 3.4	b 10	b 3.2	1.9	0.7	0.3
9	0	0	0	0.1	b 2.5	175.5	b 3.4	b 10	b 3.2	1.9	0.7	0.8
10	0	0	0	0.1	b 2.3	b 1.37	b 2.7	b 9.5	b 3.2	1.3	0.6	0.9
11	0	0	0	0.1	b 2.2	b 1.10	b 2.2	b 9.0	b 3.2	1.4	0.8	0.8
12	0	0	+	a 3.6	b 2.1	b 9.0	b 4.4	b 8.5	b 3.2	1.5	0.7	0.8
13	0	0	+	f 5.0	b 2.0	b 7.7	b 3.1	b 8.0	b 3.2	1.6	0.8	0.5
14	0	0	+	2.2	b 1.9	b 6.5	b 3.0	b 7.9	b 3.0	1.6	0.4	0.6
15	0	0	+	3.2	b 1.8	6720.0	b 2.8	b 7.4	b 3.0	1.6	0.4	0.7
16	0	0	+	5.5	b 1.7	2470.0	b 2.9	b 7.5	b 2.7	1.8	0.5	0.6
17	0	0	+	b 9.5	b 1.6	545.5	b 2.7	b 7.6	b 2.3	1.9	0.5	0.5
18	0	0	+	2650.0	b 1.6	322.2	b 2.5	b 7.7	b 2.3	1.9	0.7	0.5
19	0	0	+	450.0	b 1.5	240.0	b 2.4	b 7.8	b 2.3	1.9	0.3	0.6
20	0	+	+	270.0	b 1.4	b 185.5	b 2.4	b 7.9	b 2.5	1.9	0.4	0.6
21	0	+	+	b 1.6	b 1.4	142.2	b 2.2	b 8.0	b 2.7	2.0	0.4	0.6
22	0	+	+	11.6	b 1.3	b 126.6	b 2.1	b 8.1	b 2.7	1.7	0.4	0.5
23	0	+	+	10.7	b 1.3	1.1	b 2.1	b 7.8	b 2.7	1.5	0.2	0.4
24	0	+	+	10.0	b 1.3	1.3	b 2.1	b 7.5	b 2.7	1.8	0.3	0.4
25	0	+	+	9.3	b 1.3	8.7	b 2.1	b 7.1	b 2.7	1.8	0.3	0.4
26	0	0	+	8.7	b 1.2	b 7.7	b 2.5	b 6.7	b 2.7	1.7	0.3	0.4
27	0	0	a +	b 7.8	b 1.2	b 6.7	b 2.4	b 6.4	b 2.7	2.0	0.8	0.2
28	0	0	a a +	b 7.0	b 1.2	b 6.4	b 2.4	b 6.1	b 3.0	1.8	1.0	+
29	0	0	a a +	b 6.1	b 1.2	b 6.1	b 2.3	b 5.8	b 2.7	1.7	0.8	d +
30	0	0	a f	b 5.2	b 1.1	b 5.7	b 2.3	b 5.9	b 2.5	1.7	0.5	d
31	0	0	a f	b 4.9	b 1.1	b 5.4	b 2.3	b 6.0	b 2.5	1.4	0.5	d 0.1
0	0	0	5.3	13170.1	616.0	14092.0	959.0	304.2	106.6	57.5	19.6	13.5
MEAN	0	0	0.17	42.5	21.2	45.5	32.0	9.81	3.55	1.85	0.63	0.45
ACRE- FEET	0	+	11.	26120.	1220.	27950.	1900.	603.	211.	114.	39.	27.
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR MEAN 80.2											
	OR PERIOD ACRE-FEET 53200.											

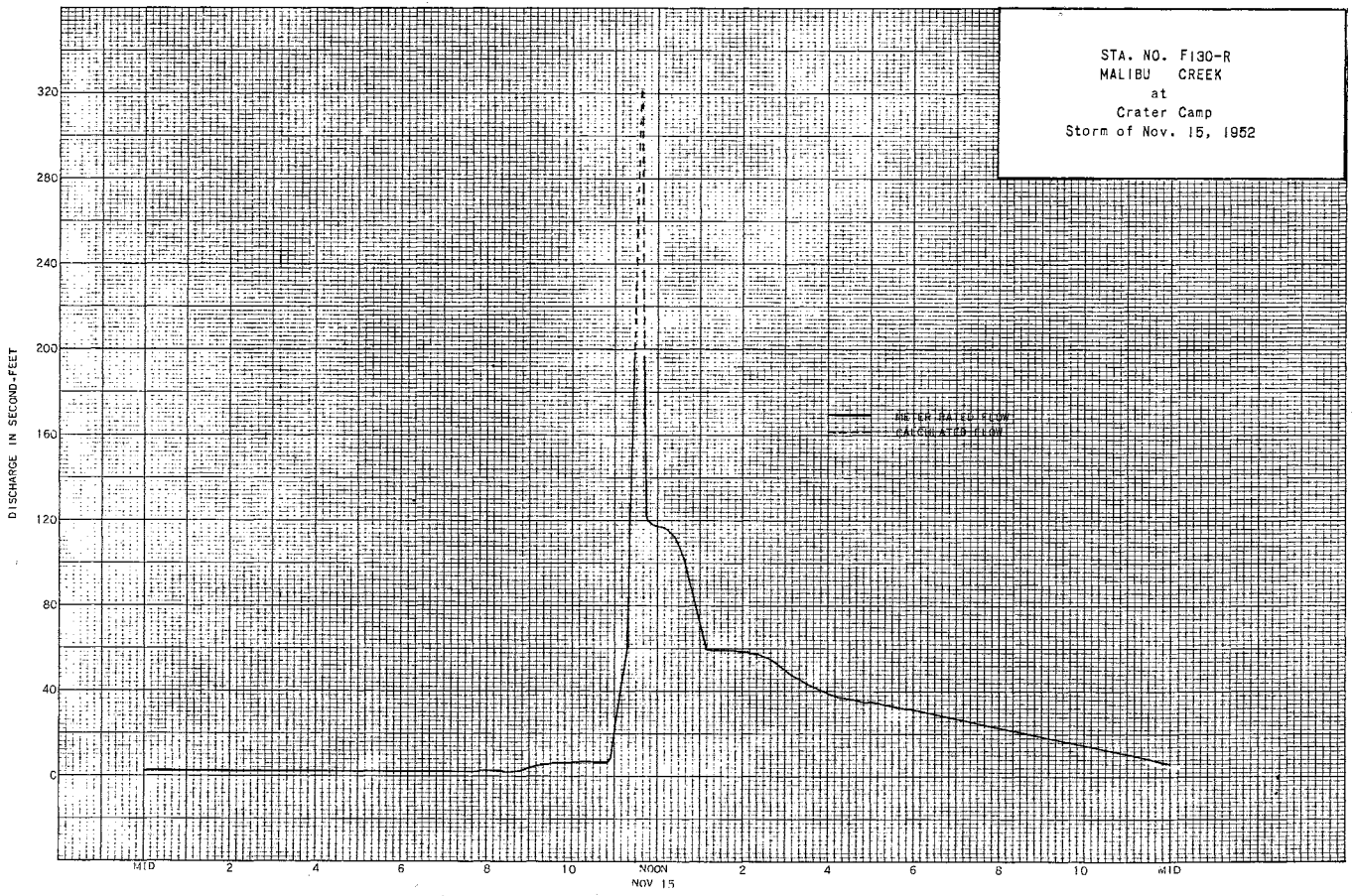
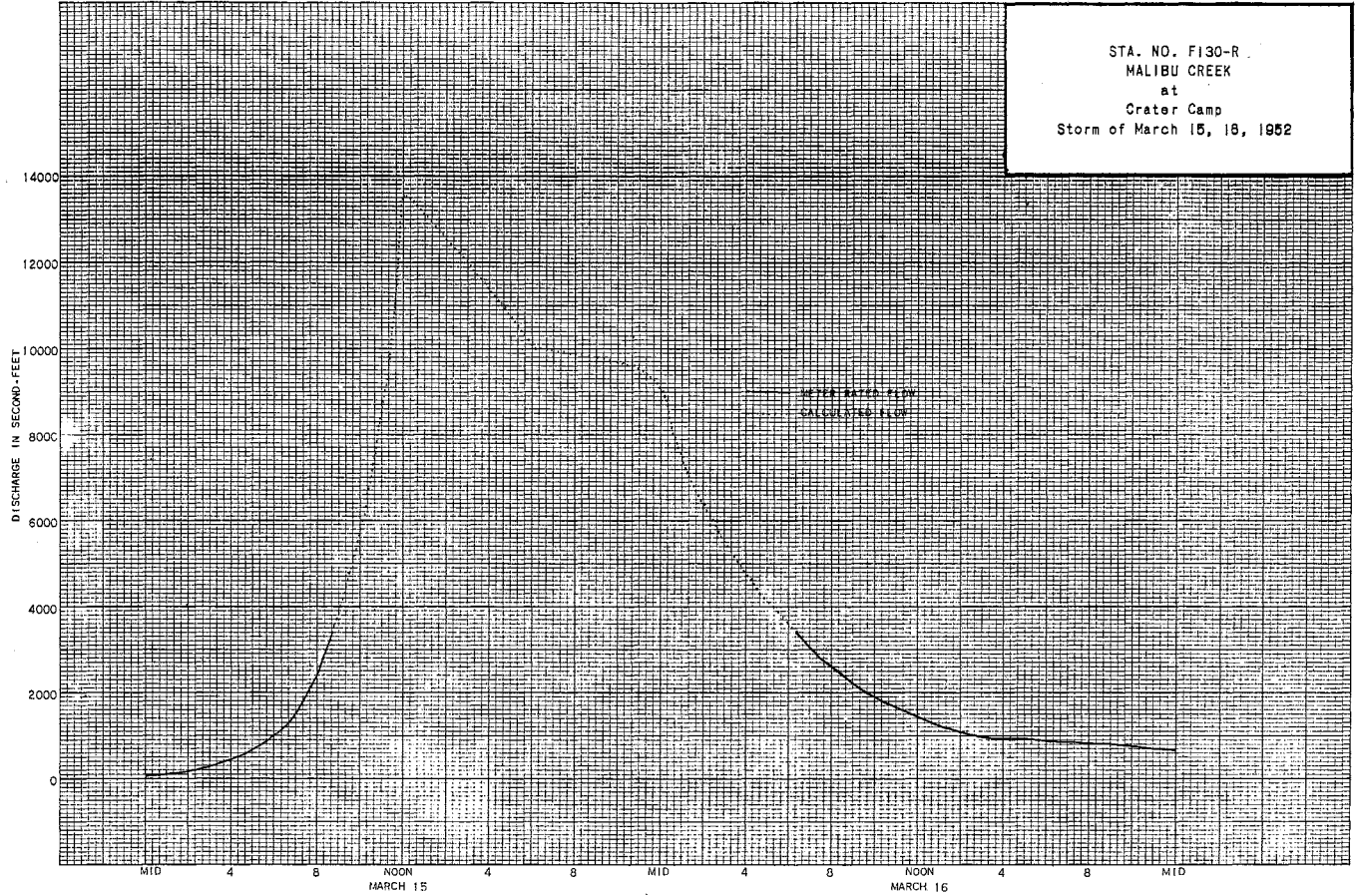
70704 P. C. Dist. 22 2-29

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F130-R

Daily discharge, in second-feet of MALIBU CREEK at Crater Camp for the year ending September 30, 1953

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	0.4	0.1	2.4	3.6	6.8	5.2	1.9	b 2.1	b 0.9	b 0.5	b 0.2	b 0.1
2	0.4	+	f 8.1	3.1	6.8	5.5	1.4	b 2.1	b 0.9	b 0.5	b 0.2	b 0.1
3	0.4	+	b 4.3	2.7	7.2	4.0	1.4	b 2.0	b 0.9	b 0.5	b 0.2	b 0.1
4	0.4	+	b 4.1	2.5	6.8	3.4	1.2	b 2.0	b 0.9	b 0.5	b 0.2	b 0.1
5	0.4	+	b 4.0	2.1	6.1	3.4	1.2	b 1.9	b 0.9	b 0.5	b 0.2	b 0.1
6	0.6	0.1	b 3.4	1.7	6.4	3.4	3.2	b 1.8	b 0.8	b 0.5	b 0.2	b 0.1
7	0.5	0.2	b 3.4	1.6	6.4	3.7	3.2	b 1.7	b 0.7	b 0.5	b 0.2	b 0.1
8	0.5	0.3	b 3.2	1.4	6.4	3.4	3.0	b 1.7	b 0.7	b 0.5	b 0.2	b 0.1
9	0.6	0.2	b 3.0	1.4	6.1	3.4	2.5	b 1.6	b 0.6	b 0.5	b 0.2	b 0.1
10	0.6	0.2	b 3.0	1.3	5.8	3.4	3.0	b 1.5	b 0.5	b 0.5	b 0.2	b 0.1
11	0.6	+	b 2.7	1.3	12	3.7	3.4	b 1.4	b 0.5	b 0.4	b 0.2	b 0.1
12	0.5	0.4	b 3.0	1.2	9.6	3.4	3.2	b 1.3	b 0.5	b 0.4	b 0.2	b 0.1
13	0.5	0.5	b 3.0	1.2	4.0	3.4	3.0	b 1.2	b 0.5	b 0.3	b 0.2	b 0.1
14	0.5	1.4	b 3.4	1.4	3.2	2.7	2.7	b 1.2	b 0.5	b 0.3	b 0.2	b 0.1
15	0.4	2.5	b 3.7	1.2	2.5	3.0	2.7	b 1.2	b 0.5	b 0.2	b 0.2	b 0.1
16	0.4	b 4.5	b 3.7	1.0	2.3	2.7	2.3	b 1.2	b 0.6	b 0.2	b 0.2	b 0.1
17	0.4	b 3.9	b 3.4	1.0	4.3	2.5	b 2.2	b 1.1	b 0.6	b 0.2	b 0.1	b 0.1
18	0.4	b 3.3	b 3.2	1.1	4.0	3.0	b 2.1	b 1.1	b 0.6	b 0.2	b 0.1	b 0.1
19	0.4	b 2.7	b 3.4	1.2	3.7	3.2	b 2.0	b 1.0	b 0.6	b 0.2	b 0.1	b 0.1
20	0.4	b 2.1	b 5.9	1.2	4.3	4.0	b 5.2	b 1.0	b 0.6	b 0.2	b 0.1	b 0.1
21	0.4	1.2	b 1.6	1.1	4.0	4.6	b 2.3	b 1.0	b 0.6	b 0.2	b 0.1	b 0.1
22	0.3	1.0	b 1.8	1.1	4.3	4.3	b 2.3	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
23	0.3	1.4	b 3.1	1.0	4.6	4.3	b 2.3	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
24	0.4	1.4	b 2.6	8.0	4.6	4.0	b 2.2	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
25	0.4	1.4	b 2.2	8.0	4.3	4.0	b 2.1	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
26	0.3	1.0	b 2.0	8.8	4.6	3.7	b 2.0	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
27	0.3	1.0	b 1.8	8.0	5.2	3.7	b 3.0	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
28	0.3	1.0	b 3.1	7.6	4.9	3.0	b 2.4	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
29	0.3	1.0	b 2.9	7.6	2.7	2.7	b 2.2	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
30	0.4	2.2	b 4.9	7.2	2.3	2.3	b 2.2	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
31	0.3	2.2	b 5.1	6.4	2.1	2.1	b 2.2	b 1.0	b 0.5	b 0.2	b 0.1	b 0.1
0	13.2	5.32.9	4.23.6	109.1	78.0	41.1	9.8	3.0	1.85	4.7	3.0	3.0
MEAN	0.42	3.13	17.2	13.7	5.40	3.52	2.60	1.33	0.62	0.32	.152	0.10
ACRE- FEET	26.	186.	1060.	840.	300.	216.	155.	82.	37.	19.	9.3	6.0
Remarks:	+ = 0.05 c.f.s. or less											
	YEAR MEAN 4.05											
	OR PERIOD ACRE-FEET 2940.											



STATION F83-R
MISSION CREEK near San Gabriel Boulevard

LOCATION: WATER-STAGE RECORDER LAT. 34°01'47" LONG. 118°04'07" ON THE UPSTREAM END OF THE RIGHT (WEST) ABUTMENT OF SAN GABRIEL BOULEVARD BRIDGE, JUST EAST OF THE RIO HONDO, ABOUT 2 MILES NORTHEAST OF MONTEBELLO. ELEVATION OF GAGE ABOUT 193 FEET.

DRAINAGE AREA: ABOUT 6 SQUARE MILES. FLOW ORIGINATES ALMOST ENTIRELY FROM RISING WATER.

CHANNEL AND CONTROL: CHANNEL - SAND COVERED WITH WEEDS AND BRUSH; SOME CROSS FENCES WHICH CATCH DEBRIS. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED JUNE 14, 1930 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. HORIZONTAL RATIONAL 7-DAY RECORDER IN SERVICE OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: SOME WATER PUMPED JUST DOWNSTREAM FROM BRIDGE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: RECORDER RECORDS JUNE 14, 1930 TO SEPTEMBER 30, 1953. SOME WEEKLY STREAM FLOW MEASUREMENTS WERE TAKEN PRIOR TO INSTALLATION OF RECORDER.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 71 SECOND-FEET JANUARY 18.
MINIMUM 4.1 SECOND-FEET NOVEMBER 8.

1952-53
MAXIMUM 14 SECOND-FEET JANUARY 24.
MINIMUM 4.6 SECOND-FEET SEPTEMBER 10.

1930-53
MAXIMUM DISCHARGE NOT DETERMINED, MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 336 SECOND-FEET FEBRUARY 22, 1944.
MINIMUM 4.1 SECOND-FEET NOVEMBER 8, 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT San Gabriel Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DO.	MEAN REC. NO.	R. DIAMETER TOTAL	METER NO.
797	10-4	0852 0902	WADDICOR	10.5	3.82	1.65	5.72	6.3	6	9	0	FC37	
798	10-11	0908 0918	"	10.0	3.24	1.48	5.66	4.8	6	8	0	"	
799	10-18	0939 0949	"	11.2	3.47	1.53	5.66	5.3	5	9	0	"	
800	10-25	0912 0922	"	10.0	3.10	1.48	5.66	4.6	6	9	0	"	
801	11-1	0855 0865	"	10.0	3.16	1.49	5.66	4.7	6	9	0	"	
802	11-8	0855 0905	WADDICOR-HOLLERON	10.4	3.18	1.29	5.64	4.1	6	8	0	"	
803	11-15	0855 0905	WADDICOR	10.5	3.40	1.41	5.65	4.8	6	8	0	"	
804	11-23	0858 0908	"	10.7	3.43	1.57	5.66	5.4	6	8	0	"	
805	11-29	0851 0901	"	10.5	3.46	1.56	5.66	5.4	6	8	0	"	
806	12-6	0922 0932	"	10.5	3.48	1.67	5.66	5.8	6	8	0	"	
807	12-13	0900 0910	"	10.5	3.60	1.92	5.68	6.9	6	9	0	"	
808	12-20	0948 0958	"	10.5	3.67	1.93	5.67	7.1	6	9	0	"	
809	12-27	0915 0925	"	10.5	3.46	1.65	5.65	5.7	6	10	0	"	
810	1-3	1035 1045	"	10.5	3.49	1.86	5.66	6.5	6	9	0	"	
811	1-10	0830 0840	"	11.0	3.23	1.98	5.66	6.4	6	10	0	"	
812	1-17	0945 0955	WADDICOR-VAN BUREN	11.5	5.13	1.99	5.81	10.2	6	9	0	"	
813	1-30	1093 1103	LANG	11.1	4.98	2.07	5.83	10.3	6	13	0	FC12	
814	2-7	0912 0922	WADDICOR	11.5	4.90	2.00	5.79	9.8	6	9	0	FC37	
815	2-14	0905 0915	"	11.2	4.94	2.02	5.79	10.0	6	9	0	"	
816	2-21	0910 0920	"	10.9	4.71	2.00	5.78	9.4	6	9	0	"	
817	2-28	0859 0869	"	11.1	4.95	2.00	5.78	9.9	6	9	0	"	
818	3-6	0905 0915	"	11.3	5.14	2.06	5.78	10.6	6	9	0	"	
819	3-14	0836 0846	"	11.7	5.64	2.04	5.86	11.5	6	9	0	"	
820	3-20	1422 1432	"	11.9	5.73	2.02	5.88	11.6	6	9	0	"	
821	3-27	1040 1050	"	11.7	5.41	1.92	5.86	10.4	6	9	0	"	
822	4-3	0850 0900	"	11.8	5.53	2.06	5.85	11.4	6	9	0	"	
823	4-10	0902 0912	"	12.0	5.92	2.08	5.86	12.3	6	9	0	"	
824	4-17	0830 0840	"	11.2	5.23	2.09	5.84	10.9	6	9	0	"	
825	4-24	0900 0910	"	11.6	5.61	2.16	5.85	12.1	6	9	0	"	
826	5-1	0858 0868	"	11.7	5.77	2.13	5.84	12.3	6	9	0	"	
827	5-8	0914 0924	"	11.4	5.72	2.01	5.83	11.5	6	9	0	"	
828	5-15	0845 0855	"	11.9	5.33	2.08	5.80	11.1	6	9	0	"	
829	5-22	0858 0908	"	11.4	5.09	2.20	5.78	11.2	6	9	0	"	
830	5-29	0715 0725	"	11.6	4.47	1.45	5.76	6.5	6	9	0	"	
831	6-5	0809 0819	"	11.5	4.83	2.07	5.74	10.0	6	9	0	"	
832	6-12	0918 0928	"	11.2	4.67	1.99	5.74	9.3	6	9	0	"	
833	6-19	0907 0917	"	11.2	4.46	1.93	5.73	8.6	6	9	0	"	
834	6-26	0908 0918	"	11.2	4.71	1.97	5.74	9.3	6	9	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DO.	MEAN REC. NO.	R. DIAMETER TOTAL	METER NO.
835	7-3	0900 0910	"	11.3	4.73	1.92	5.72	9.1	6	9	0	"	
836	7-10	0912 0922	"	11.0	4.53	1.92	5.72	8.7	6	9	0	"	
837	7-17	0850 0900	"	11.0	4.44	1.82	5.71	8.1	6	9	0	"	
838	7-24	0915 0925	"	11.0	4.24	1.86	5.69	7.9	6	9	0	"	
839	7-31	1010 1020	"	11.0	4.54	1.67	5.69	7.6	6	9	0	"	
840	8-7	0919 0929	"	11.0	3.96	1.87	5.69	7.4	6	12	0	"	
841	8-14	0892 0902	LANG-WADDICOR	10.3	4.37	1.78	5.68	7.8	5	14	0	"	
842	8-21	0817 0827	LANG	10.5	3.84	1.64	5.66	6.3	5	14	0	FC12	
843	8-28	0907 0917	"	10.3	3.82	1.75	5.68	6.7	5	15	0	"	
844	9-4	0913 0923	WADDICOR	10.8	4.16	1.51	5.68	6.3	5	10	0	FC37	
845	9-11	0855 0865	WADDICOR-DE MARS	10.5	4.12	1.58	5.66	6.5	6	10	0	"	
846	9-18	0847 0857	WADDICOR	10.6	3.85	1.53	5.65	5.9	6	9	0	"	
847	9-25	0910 0920	"	9.5	3.92	1.56	5.66	6.1	5	9	0	"	

DISCHARGE MEASUREMENTS OF MISSION CREEK

AT San Gabriel Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DO.	MEAN REC. NO.	R. DIAMETER TOTAL	METER NO.
848	10-2	1000 1010	WADDICOR	10.5	4.40	1.50	5.66	5.6	6	9	0	FC37	
849	10-9	0906 0916	"	11.0	4.21	1.55	5.68	6.5	6	10	0	"	
850	10-15	1130 1140	"	10.9	4.34	1.64	5.70	7.1	6	9	0	"	
851	10-23	1440 1450	"	11.8	4.97	1.39	5.70	6.9	6	12	0	"	
852	10-30	1315 1325	"	11.0	5.05	1.66	5.77	8.4	6	9	0	"	
853	11-6	1009 1019	"	11.1	4.98	1.63	5.76	8.1	6	9	0	"	
854	11-13	1030 1040	"	11.1	4.94	1.70	5.78	8.4	6	10	0	"	
855	11-20	0955 0965	"	11.0	4.93	1.64	5.78	8.1	6	10	0	"	
856	11-26	1085 1095	"	11.8	6.13	1.53	5.92	9.4	6	9	0	"	
857	12-4	0930 0940	"	13.0	5.57	1.42	5.92	7.9	6	10	0	"	
858	12-11	0930 0940	"	11.7	6.48	1.59	5.93	10.3	6	9	0	"	
859	12-18	0919 0929	"	11.5	6.56	1.52	5.95	10.0	6	12	0	"	
860	12-26	0840 0850	"	12.0	6.11	1.54	5.96	9.4	6	10	0	"	
861	12-31	0955 1007	"	11.5	7.68	1.60	6.04	12.3	6	10	0	"	
862	1-8	0837 0847	"	11.5	7.70	1.58	6.03	12.2	6	9	0	"	
863	1-15	0823 0833	WADDICOR-WHISLER	12.0	7.29	1.69	5.98	12.3	6	11	0	"	
864	1-22	0902 0912	WADDICOR	11.5	6.73	1.75	5.95	11.8	6	10	0	"	
865	1-29	0900 0913	"	12.2	7.11	1.67	5.95	11.9	6	11	0	"	
866	2-5	0857 0909	"	11.6	6.93	1.73	5.95	12.0	6	10	0	"	
867	2-11	0917 0928	WADDICOR-GODFREY	11.3	7.14	1.64	5.95	11.7	6	10	0	"	
868	2-19	0902 0916	WADDICOR	11.5	6.61	1.63	5.92	10.8	6	10	0	"	
869	2-26	0850 0860	WADDICOR-HYDE	11.8	6.65	1.62	5.94	10.8	6	10	0	"	
870	3-5	0908 0920	WADDICOR	11.7	6.94	1.64	5.94	11.4	6	11	0	"	

NR.	DATE	SEIN	NAME BY	WIDTH	AREA BY	MEAN	GAUGE	BENCHMARK	RAT	METH	MEAN	S. PT.	MYER	NR.	DATE	SEIN	NAME BY	WIDTH	AREA BY	MEAN	GAUGE	BENCHMARK	RAT	METH	MEAN	S. PT.	MYER
		NO.		FEET	SECTION	VELOCITY	HEIGHT	NO. FT.	INCH	NO.	VELOCITY	CHANGEL	NO.			NO.		FEET	SECTION	VELOCITY	HEIGHT	NO. FT.	INCH	NO.	VELOCITY	CHANGEL	NO.
871	3-12	1180	HYDE	12.0	6.65	1.74	5.94	11.6	.8	13	0	FC35		886	6-25	0872	"	11.1	4.63	1.60	5.70	7.4	.6	10	0	"	
872	3-19	0880	WADDICOR	11.3	6.08	1.71	5.88	10.4	.6	10	0	FC37		887	7-2	0877	"	11.0	4.51	1.57	5.70	7.1	.8	10	0	"	
873	3-26	0877	"	11.5	6.08	1.76	5.86	10.7	.6	10	0	"		888	7-9	0893	"	11.0	4.32	1.55	5.66	6.7	.8	10	0	"	
874	4-2	0818	WADDICOR-LINDSAY	11.7	5.83	1.77	5.84	10.3	.6	10	0	"		889	7-16	0896	WADDICOR-HASKELL	10.9	4.06	1.48	5.66	6.0	.6	13	0	"	
875	4-9	0817	WADDICOR	11.6	5.67	1.80	5.82	10.2	.6	11	0	"		890	7-23	0895	WADDICOR	10.7	3.70	1.57	5.64	5.8	.6	8	0	"	
876	4-16	0855	"	11.8	5.63	1.79	5.82	10.1	.6	10	0	"		891	7-30	0912	"	10.7	3.81	1.50	5.64	5.7	.6	12	0	"	
877	4-23	0850	"	11.0	5.70	1.77	5.82	10.1	.6	9	0	"		892	8-6	0889	GODFREY-WADDICOR	10.6	3.83	1.33	5.64	5.1	.6	12	0	"	
878	4-30	0807	"	11.7	6.05	1.75	5.86	10.6	.6	10	0	"		893	8-13	1330	WADDICOR	9.8	3.40	1.56	5.63	5.3	.6	11	0	"	
879	5-7	0819	"	11.5	5.33	1.72	5.79	9.2	.6	10	0	"		894	8-20	1029	GODFREY	10.4	3.47	1.35	5.64	4.7	.6	12	0	FC28	
880	5-14	0888	"	11.5	5.22	1.65	5.77	8.6	.6	10	0	"		895	8-20	1118	"	10.6	3.64	1.37	5.64	5.0	.6	12	0	"	
881	5-21	0810	"	11.4	5.03	1.69	5.76	8.5	.6	10	0	FC29		896	8-27	1000	"	10.3	3.46	1.44	5.62	5.0	.6	12	0	"	
882	5-28	0810	"	11.4	4.96	1.67	5.75	8.3	.6	10	0	FC37		897	9-2	0898	WADDICOR	10.6	3.44	1.34	5.60	4.6	.6	10	0	FC37	
883	6-4	0810	"	11.4	4.87	1.64	5.74	8.0	.6	10	0	"		898	9-11	0870	"	9.0	2.94	1.56	5.58	4.6	.5	10	0	"	
884	6-11	0824	WADDICOR-THOMAS	11.2	4.60	1.68	5.72	7.7	.6	13	0	"		899	9-18	0830	"	10.2	3.35	1.43	5.59	4.8	.6	9	0	"	
885	6-18	0842	WADDICOR	11.1	4.57	1.49	5.70	6.8	.6	10	0	"		900	9-25	0895	"	10.4	3.80	1.31	5.64	5.0	.6	10	0	"	

FORM F. C. Dist. 3-38

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FB3-R

Daily discharge, in second-feet of MISSION CREEK at San Gabriel Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	a 5.8	4.7	f 5.5	a 6.5	10	11	11	12	8.1	9.1	7.7	6.4		
2	a 5.9	4.6	a 5.6	a 6.5	10	10	11	12	8.6	9.0	7.7	6.4		
3	a 6.1	4.5	a 5.6	6.5	a 10	10	11	12	9.0	9.0	7.6	6.4		
4	f 6.3	4.4	a 5.7	6.5	a 10	11	11	12	9.5	8.9	7.6	6.3		
5	f 5.7	4.4	a 5.8	6.4	a 10	11	11	12	10	8.8	7.5	6.3		
6	a 5.5	4.3	f 5.8	6.4	a 10	11	11	11	9.8	8.8	7.4	6.4		
7	a 5.3	4.3	f 5.9	6.4	f 9.8	20	12	11	9.8	8.9	7.4	6.3		
8	a 5.2	4.1	f 6.2	6.4	f 9.8	12	13	11	9.7	8.8	7.5	6.4		
9	a 4.9	4.2	f 6.4	6.4	9.9	12	12	11	9.6	9.8	7.4	6.5		
10	a 4.9	4.3	f 6.4	6.4	9.9	12	12	11	9.5	8.7	7.5	6.6		
11	a 4.8	4.3	f 6.6	7.0	9.9	12	12	11	9.4	8.8	7.7	6.5		
12	a 4.9	4.5	a 6.7	8.5	10	12	12	11	9.3	8.7	7.9	6.3		
13	a 4.9	4.6	f 6.8	7.5	10	12	12	11	9.1	8.6	8.0	6.3		
14	a 5.0	4.7	f 7.0	7.4	10	11	12	11	9.0	8.4	7.8	6.2		
15	a 5.2	4.8	f 7.0	16	9.9	14	11	11	8.9	8.2	7.5	6.2		
16	a 5.2	a 4.9	a 7.0	10	9.8	15	11	11	8.8	8.1	7.3	6.1		
17	a 5.3	5.0	a 7.0	f 19	9.8	12	11	11	8.8	8.0	7.1	a 6.0		
18	a 5.1	5.1	a 7.1	35	9.7	11	11	11	8.7	8.0	7.0	5.9		
19	a 5.0	5.2	a 7.1	12	9.5	12	11	11	8.6	8.0	7.0	6.0		
20	a 4.9	5.2	a 7.1	11	9.5	12	11	11	8.6	8.0	6.9	6.1		
21	a 4.8	5.3	a 7.1	11	9.4	11	12	11	8.7	8.0	6.4	6.2		
22	a 4.7	a 5.3	6.7	10	9.4	11	12	11	8.9	8.0	6.6	6.1		
23	a 4.5	a 5.3	6.5	10	9.4	11	12	10	9.0	8.0	6.6	6.2		
24	a 4.5	5.4	f 6.2	10	9.5	11	12	9.8	9.1	7.8	6.5	6.1		
25	a 4.5	5.4	a 6.1	11	9.6	11	12	9.1	9.2	7.7	6.5	6.1		
26	a 4.6	5.5	a 6.0	10	9.8	11	12	8.6	9.3	7.7	6.5	6.2		
27	a 4.6	5.5	a 5.9	10	9.8	10	12	7.9	9.3	7.7	6.5	6.4		
28	a 4.5	5.4	f 5.8	10	9.9	11	12	7.2	9.3	7.6	6.6	6.5		
29	a 4.6	5.5	f 7.1	10	10	11	12	6.5	9.3	7.5	6.4	6.6		
30	a 4.6	5.4	f 7.4	10	10	11	12	7.0	9.2	7.6	6.4	6.7		
31	a 4.7	5.2	a 6.5	10	10	11	12	7.6	9.2	7.7	6.4	6.7		
156.7														
145.7			309.8			284.3			349.0			274.3		
220.9			256.9			320.7			220.9			188.7		
MEAN	5.05	4.86	6.43	9.99	9.80	11.7	11.6	10.3	9.14	8.29	7.13	6.29		
ACRE-FOOT	311.	289.	395.	614.	564.	722.	692.	636.	544.	510.	438.	374.		

Remarks:

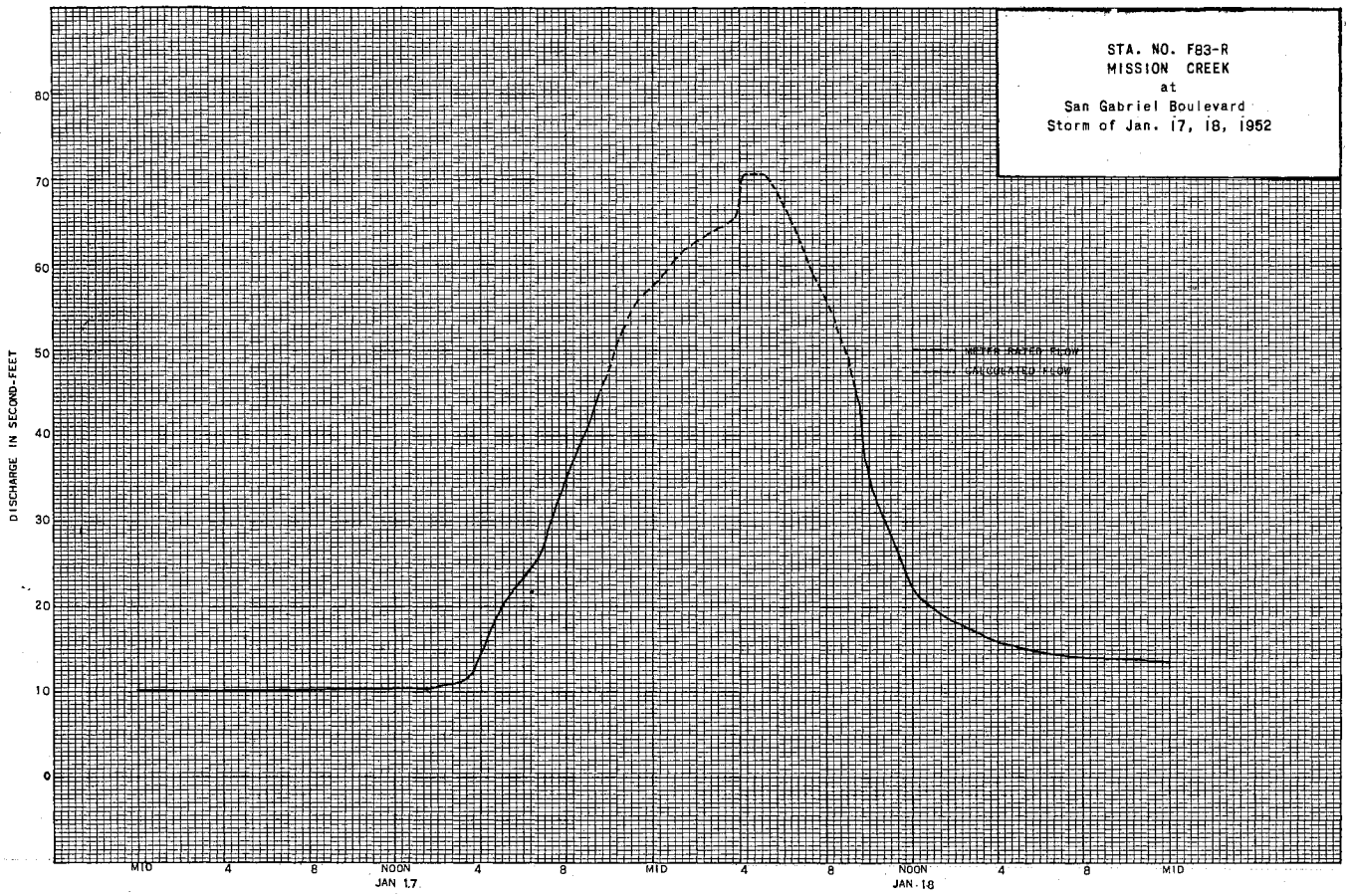
YEAR OR PERIOD MEAN ACRE-FOOT 8.39 6090.

ND7AM, P. O. Div. 51 2-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F83-R

MISSION CREEK at San Gabriel Boulevard												for the year ending September 30, 1953						
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.						
1	6.6	8.1	10	12	12	11	10	11	8.0	7.1	5.6	4.7						
2	6.7	8.1	9.2	12	12	11	10	10	8.0	7.0	5.6	4.6						
3	6.7	8.2	7.8	12	12	11	10	10	7.8	7.0	5.4	4.7						
4	6.7	8.2	7.8	12	12	11	10	10	7.8	7.0	5.3	4.7						
5	6.7	8.0	8.1	12	12	11	10	9.8	7.7	7.0	5.2	4.7						
6	6.7	8.1	8.3	12	12	11	10	9.5	7.9	6.8	5.2	4.6						
7	6.6	8.2	8.7	13	12	11	10	9.2	7.9	6.8	5.2	4.7						
8	6.6	8.3	9.1	12	12	11	10	9.0	7.9	6.8	5.2	4.7						
9	6.5	8.3	9.5	12	12	12	10	8.8	7.9	6.6	5.2	4.6						
10	6.5	8.4	9.9	12	12	12	10	8.9	7.8	6.5	5.2	4.6						
11	6.5	8.4	10	12	12	12	10	8.7	7.7	6.5	5.3	4.6						
12	6.7	8.4	10	12	12	12	10	8.7	7.5	6.4	5.3	4.6						
13	6.8	8.4	10	12	11	11	10	8.6	7.4	6.3	5.4	4.6						
14	7.0	9.0	10	12	11	11	10	8.6	7.2	6.2	5.5	4.7						
15	7.1	12	10	12	11	11	10	8.6	7.1	6.1	5.3	4.7						
16	7.2	9.4	10	12	11	11	10	8.6	7.0	6.0	5.3	4.7						
17	7.2	8.9	10	12	11	11	9.9	8.6	7.0	6.0	5.2	4.7						
18	7.0	8.5	10	12	11	10	9.9	8.6	6.8	5.9	5.2	4.7						
19	7.0	8.3	9.9	12	11	10	10	8.5	6.8	6.0	5.1	4.7						
20	7.0	8.1	11	12	11	10	10	8.5	7.0	5.9	5.0	4.8						
21	7.0	8.2	10.8	12	11	10	10	8.5	7.0	5.8	5.0	5.2						
22	7.0	8.6	9.8	12	12	11	10	8.5	7.1	5.8	5.0	5.2						
23	7.0	9.2	9.6	12	12	11	10	8.5	7.2	5.8	5.1	5.2						
24	7.0	9.1	9.6	13	11	11	10	8.5	7.4	5.8	5.0	5.1						
25	7.1	9.3	9.4	13	11	11	9.9	8.4	7.4	5.8	5.0	5.1						
26	7.3	9.4	9.4	12	11	11	9.9	8.4	7.4	5.8	5.0	5.1						
27	7.6	9.4	9.5	12	11	11	9.9	8.3	7.3	5.7	5.0	5.0						
28	7.9	9.2	10	12	11	10	11	8.3	7.3	5.7	5.0	5.0						
29	8.1	9.4	9.8	12	10	11	11	8.3	7.3	5.6	4.8	4.9						
30	8.2	9.4	12	12	10	11	11	8.2	7.2	5.7	4.8	4.9						
31	8.1	9.5	12	12	10	10	11	8.0	7.2	5.7	4.7	4.9						
218.1												300.8	321	302.5	222.8	160.1		
262.7												375	337	274.1	192.9	144.1		
MEAN	7.04	8.76	9.70	12.1	11.5	10.9	10.1	8.84	7.43	6.22	5.16	4.80						
ACRE- FEET	433.	521.	597.	744.	637.	668.	600.	544.	442.	383.	318.	286.						
Remarks:												YEAR OR PERIOD		MEAN ACRE- FEET		8.52 6170.		



STATION F22-R
MONROVIA CREEK above Sawpit Creek

LOCATION: WATER STAGE RECORDER, LAT 34°10'28", LONG. 117°59'22", ON THE RIGHT (WEST) BANK OF MONROVIA CREEK 200 FEET UPSTREAM FROM SAWPIT CREEK AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF ZERO GAGE HEIGHT 1152.86 FEET.

DRAINAGE AREA: 1.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - ROCK AND GRAVEL. CONTROL - NATURAL CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED NOVEMBER 10, 1927 IN A CONCRETE RUBBLE HOUSE OVER A 4 FT. X 3 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: MONROVIA PIPE LINE DIVERTS WATER ABOVE GAGE.

RECORDS AVAILABLE: NOVEMBER 10, 1927 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 82 SECOND-FOOT JANUARY 16.
MINIMUM 0.01 SECOND-FOOT IN OCTOBER
1952-53
MAXIMUM 80 SECOND-FOOT DECEMBER 1.
MINIMUM 0.01 SECOND-FOOT IN AUGUST.
1927-53
MAXIMUM DISCHARGE NOT DETERMINED MARCH 2, 1938.
MAXIMUM ESTIMATED 380 SECOND-FOOT JANUARY 23, 1943.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF MONROVIA CREEK
above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. DD	HEAD SEC. NO.	S. INT. DIAMETER TOTAL	METER NO.
738	10-31	1217	MOON	0.9	0.06	0.33	3.58	0.02	5	2	0	FC48	
737	11-20	1532	"	1.2	0.12	0.42	3.61	0.05	5	2	0	"	
738	12-5	1818	"	2.0	0.48	0.73	3.71	0.35	5	5	0	"	
739	12-19	1956	MOON-MURPHY	1.4	0.15	0.66	3.66	0.10	5	6	0	"	
740	12-29	1889	"	4.0	1.67	2.81	3.89	4.7	6	5	+01	FC22	
741	12-30	1629	"	6.0	2.58	2.79	3.91	7.2	6	7	+01	"	
742	1-1	1206	"	4.5	0.98	1.12	3.65	1.1	5	6	0	"	
743	1-10	1338	MOON	1.2	0.05	1.00	3.50	0.05	6	2	0	FC48	
744	1-12	1321	MOON-MURPHY	8.0	5.83	3.15	4.14	18.4	6	6	+03	FC22	
745	1-13	1312	"	5.0	1.20	2.58	3.76	3.1	5	5	0	"	
746	1-15	1342	"	3.5	0.58	2.76	3.77	1.6	FLOATS	3	0	"	
747	1-16	0035	"	14.0	12.3	3.62	5.10	44.5	6	6	0	FC22	
748	1-17	1845	"	6.0	1.67	3.23	5.08	5.4	5	5	0	"	
749	1-18	1150	"	9.0	4.30	3.42	4.11	14.7	5	6	0	"	
750	1-21	1227	"	3.0	1.65	1.52	3.76	2.5	6	4	0	"	
751	1-28	1139	MOON	2.5	0.44	1.04	3.64	0.46	5	6	0	"	
752	2-7	1259	"	1.3	0.10	0.80	3.57	0.08	6	2	0	FC48	
753	2-14	1139	"	1.0	0.08	1.00	3.58	0.08	6	2	0	"	
754	2-27	1446	"	1.2	0.07	1.14	3.57	0.08	6	3	0	"	
755	3-7	0755	MOON-MURPHY	4.1	0.98	1.63	3.78	1.6	6	7	0	FC22	
756	3-7	1153	"	5.2	2.08	2.45	3.94	5.1	6	7	0	"	
757	3-13	1885	MOON	3.2	0.81	0.94	3.66	0.76	6	6	0	"	
758	3-15	1222	MOON-MURPHY	4.0	1.53	1.83	3.79	2.8	6	6	+02	"	
759	3-16	1451	"	5.5	2.14	2.33	3.87	5.0	6	7	0	"	
760	3-25	1446	MOON	2.5	0.42	1.02	3.60	0.43	6	6	0	"	
761	4-7	1214	"	2.0	0.30	0.70	3.56	0.21	6	5	0	"	
762	4-17	0829	"	1.1	0.13	1.69	3.58	0.22	6	3	0	"	
763	4-30	1189	"	1.4	0.14	1.50	3.58	0.21	6	2	0	"	
764	5-8	1132	"	1.0	0.08	0.75	3.56	0.06	6	3	0	"	
765	5-14	1819	"	1.3	0.08	0.75	3.56	0.06	6	3	0	"	
766	5-28	1389	"	1.0	0.06	1.17	3.58	0.07	6	3	0	"	
767	6-11	1424	"	1.5	0.11	1.36	3.61	0.15	6	3	0	FC48H	
768	6-26	0857	"	1.6	0.29	1.00	3.67	0.29	5	8	0	"	
769	7-9	1448	KASIMOFF	1.6	0.14	0.78	3.64	0.11	SURE	7	0	"	
770	7-16	1815	"	1.8	0.19	0.79	3.65	0.15	5	7	0	"	
771	7-31	1402	MOON	1.8	0.21	0.90	3.67	0.19	5	7	0	"	
772	8-7	1215	"	1.8	0.21	0.86	3.66	0.18	5	7	0	"	
773	8-21	1550	DE MARS-MOON	1.5	0.13	1.07	3.65	0.14	5	5	0	"	
774	8-28	1322	MOON	1.5	0.14	1.07	3.65	0.15	5	5	0	"	
775	9-4	1298	MOON-LINDSAY	1.7	0.20	0.70	3.66	0.14	5	7	0	"	
776	9-18	1319	MOON	1.4	0.10	1.00	3.62	0.10	5	3	0	"	

DISCHARGE MEASUREMENTS OF MONROVIA CREEK
above Sawpit Creek DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. DD	HEAD SEC. NO.	S. INT. DIAMETER TOTAL	METER NO.
777	10-1	1107	MOON	1.3	0.10	0.80	3.61	0.08	.5	2	0	FC48	
778	10-17	0795	WHISLER	1.6	0.13	0.38	3.60	0.05	.5	7	0	"	
779	10-29	1120	MOON	1.5	0.09	0.95	3.62	0.05	.5	3	0	"	
780	11-13	1424	"	1.4	0.06	1.17	3.60	0.07	.5	2	0	"	
781	11-15	1227	MOON-MURPHY	4.0	0.97	1.44	3.88	1.4	.6	6	0	FC29	
782	11-20	1042	MOON	1.4	0.10	1.20	3.65	0.12	.5	3	0	"	
783	12-1	2308	MOON-MURPHY	12.0	4.60	5.50	4.19	25.3	.6	8	-.03	"	
784	12-2	1202	MOON	3.0	0.69	1.45	3.67	1.0	.6	7	0	"	
785	12-18	1306	"	1.5	0.14	0.57	3.59	0.08	.5	6	0	FC48	
786	12-20	0912	MOON-MURPHY	3.5	0.81	1.17	3.71	0.95	.6	8	0	FC29	
787	12-26	1133	MOON	3.0	0.47	0.72	3.65	0.34	.5	9	0	FC48	
788	12-31	0900	"	3.0	0.47	1.00	3.66	0.47	.5	8	0	FC29	
789	1-8	1255	MOON-MURPHY	2.0	0.24	1.62	3.71	0.39	.6	3	0	"	
790	1-14	1327	MOON	1.30	0.09	1.33	3.64	0.12	.5	3	0	"	
791	1-22	1132	"	1.30	0.10	0.70	3.61	0.07	.5	7	0	FC48	
792	1-28	1504	"	1.0	0.06	1.17	3.61	0.07	.5	3	0	"	
793	2-5	1202	"	1.0	0.07	0.86	3.61	0.06	.5	3	0	"	
794	2-16	1354	"	1.0	0.06	0.66	3.61	0.04	.5	3	0	"	
795	2-25	1417	"	1.0	0.07	1.00	3.61	0.07	.5	3	0	"	
796	3-4	1410	"	1.1	0.08	0.62	3.61	0.05	.5	3	0	"	
797	3-11	1419	"	1.0	0.05	1.20	3.60	0.06	.5	3	0	"	
798	3-18	1252	"	1.0	0.06	0.83	3.60	0.05	.5	2	0	"	
799	3-25	1400	"	1.1	0.08	1.25	3.57	0.10	.5	3	0	"	
800	4-1	1512	"	1.1	0.07	1.43	3.57	0.10	.5	2	0	"	
801	4-9	1126	"	1.0	0.08	1.12	3.56	0.09	.6	3	0	"	
802	4-15	1253	"	1.0	0.05	1.40	3.56	0.07	.5	3	0	"	
803	4-23	1134	"	1.0	0.06	1.17	3.56	0.07	.5	3	0	"	
804	5-7	1302	"	1.0	0.05	1.00	3.57	0.05	.5	3	0	"	
805	5-14	1555	"	1.0	0.06	0.83	3.57	0.05	.5	3	0	"	
806	5-20	1133	WADDICOR	0.89	0.05	0.60	3.56	0.03	.5	3	0	"	
807	6-3	1202	MOON	0.90	0.04	0.75	3.57	0.03	.5	3	0	"	
808	6-18	1147	"	0.90	0.04	0.75	3.58	0.03	.5	3	0	"	
809	6-25	1402	MOON-LINDSAY	1.0	0.08	0.39	3.57	0.03	.5	6	0	"	
810	7-2	1352	MOON	0.90	0.05	0.40	3.56	0.02	.5	3	0	"	
811	7-9	1302	GODFREY-MOON	0.90	0.04	0.50	3.56	0.02	.5	3	0	"	
812	7-23	1357	MOON	0.80	0.05	0.40	3.56	0.02	.5	3	0	"	
813	8-6	1236	"	0.80	0.05	0.40	3.55	0.02	.5	3	0	"	
814	8-27	1217	"	0.80	0.03	0.33	3.55	0.01	.5	3	0	"	
815	9-10	1212	"	0.80	0.05	0.40	3.55	0.02	.5	3	0	"	

SD14M P. C. Dist. 22 4-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F22-R

Daily discharge, in second-feet of MONROVIA CREEK above Sawdit Creek for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.02	0.06	1.4	0.3	0.09	0.8	0.2	0.00	0.02	0.02	0.2
2	0.01	0.02	0.05	0.0	0.3	0.08	0.7	0.1	0.00	0.02	0.02	0.2
3	0.01	0.02	0.07	0.0	0.3	0.08	0.6	0.0	0.00	0.02	0.02	0.2
4	0.01	0.02	0.08	0.0	0.2	0.08	0.3	0.0	0.00	0.02	0.02	0.2
5	0.01	0.02	1.3	0.0	0.1	0.08	0.3	0.0	0.00	0.02	0.02	0.2
6	0.01	0.02	0.2	0.0	0.09	0.09	0.3	0.0	0.00	0.02	0.02	0.2
7	0.01	0.03	0.5	0.09	0.08	2.0	2.1	0.07	0.00	0.02	0.02	0.2
8	0.01	0.03	0.6	0.09	0.08	0.8	1.5	0.06	0.00	0.02	0.02	0.2
9	0.01	0.03	0.6	0.07	0.09	0.3	0.3	0.07	0.00	0.02	0.02	0.2
10	0.01	0.03	0.6	0.06	0.09	1.0	0.4	0.07	0.00	0.02	0.02	0.2
11	0.01	0.03	0.6	0.06	0.09	0.8	0.5	0.07	0.00	0.02	0.02	0.2
12	0.01	0.04	0.9	0.4	0.09	0.7	0.3	0.07	0.00	0.02	0.02	0.2
13	0.01	0.04	0.3	1.5	0.09	0.6	0.2	0.06	0.00	0.02	0.02	0.2
14	0.01	0.04	0.3	2.0	0.09	6.1	0.1	0.06	0.00	0.02	0.02	0.2
15	0.01	0.04	0.2	7.7	0.09	6.3	0.2	0.06	0.00	0.02	0.02	0.2
16	0.01	0.04	0.2	5.1	0.09	3.4	0.2	0.06	0.00	0.02	0.02	0.1
17	0.01	0.02	0.2	15.1	0.09	2.6	0.2	0.06	0.00	0.02	0.02	0.1
18	0.01	0.02	0.2	7.7	0.09	2.2	0.3	0.06	0.00	0.02	0.02	0.1
19	0.01	0.04	0.1	4.6	0.09	1.9	0.3	0.06	0.00	0.02	0.02	0.1
20	0.01	0.05	0.1	3.4	0.09	1.2	0.2	0.06	0.00	0.02	0.02	0.1
21	0.01	0.05	0.1	2.6	0.09	1.0	0.2	0.06	0.00	0.02	0.02	0.1
22	0.01	0.05	0.1	2.2	0.09	0.8	0.2	0.06	0.00	0.02	0.02	0.1
23	0.01	0.04	0.1	1.4	0.09	0.6	0.2	0.06	0.00	0.02	0.02	0.1
24	0.01	0.04	0.1	1.4	0.09	0.6	0.2	0.06	0.00	0.02	0.02	0.1
25	0.01	0.04	0.1	0.8	0.09	0.5	0.2	0.06	0.00	0.02	0.02	0.1
26	0.02	0.04	0.1	0.6	0.09	0.5	0.2	0.06	0.00	0.02	0.02	0.1
27	0.02	0.04	0.1	0.5	0.09	0.5	0.2	0.06	0.00	0.02	0.02	0.1
28	0.02	0.05	0.1	0.5	0.09	0.5	0.2	0.06	0.00	0.02	0.02	0.1
29	0.02	0.05	0.2	0.5	0.09	0.5	0.2	0.06	0.00	0.02	0.02	0.1
30	0.02	0.06	0.3	0.3	0.09	0.7	0.2	0.06	0.00	0.02	0.02	0.1
31	0.02	0.6	2.3	0.3	0.09	0.8	0.2	0.06	0.00	0.02	0.02	0.1
	0.46	1.07	21.37	79.77	3.45	3.76	11.7	2.33	5.92	5.80	6.2	5.6

MEAN	0.02	0.04	0.70	2.57	0.12	1.21	0.39	0.08	0.19	0.19	0.20	0.19
ACRE- FEET	0.9	2.1	43.	158.	6.8	74.	23.	4.6	12.	12.	12.	11.
Remarks:	YEAR OR PERIOD MEAN ACRES-FEET 0.50 359.											

SD14M Qb 12-53

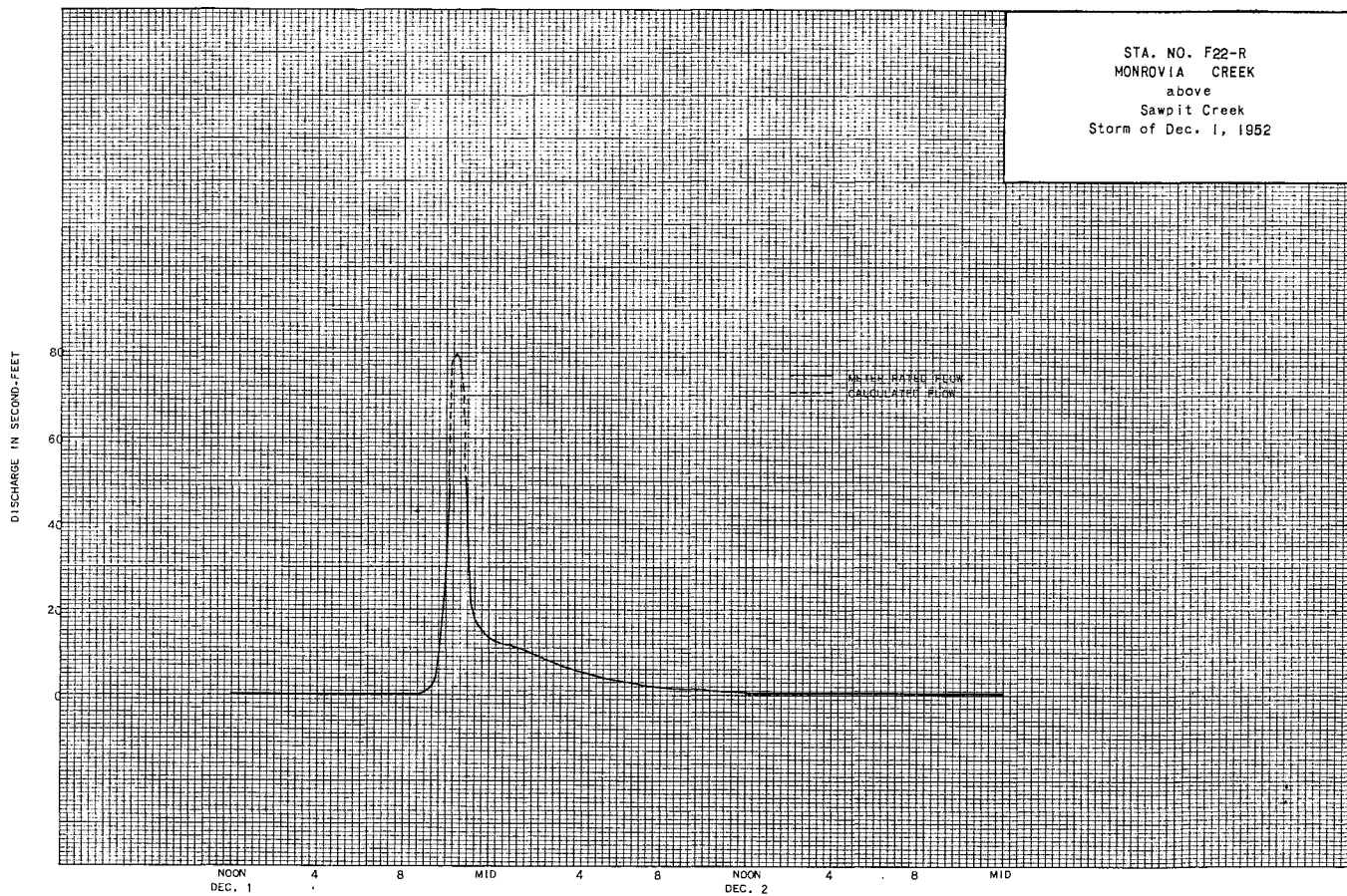
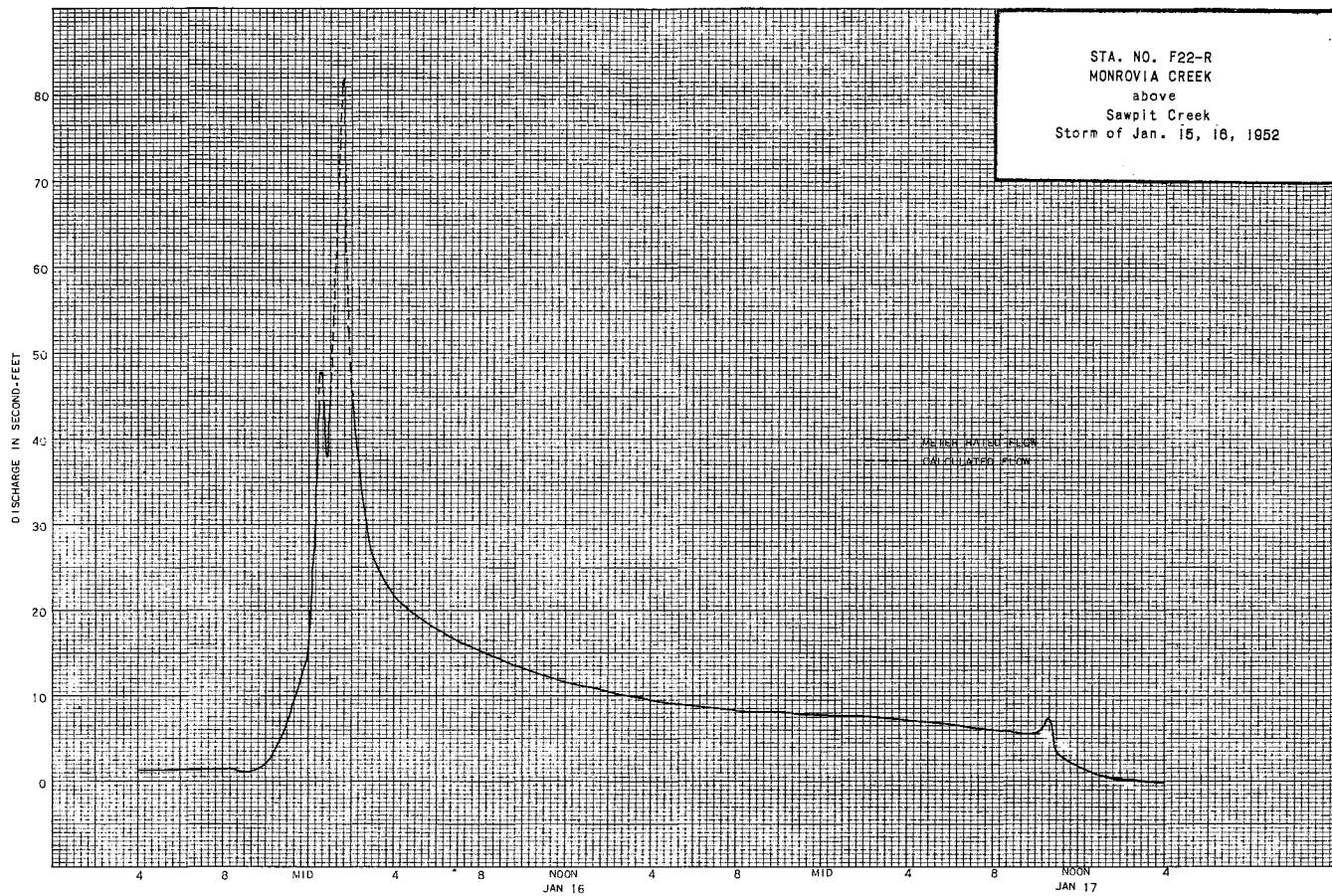
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F 22-R

Daily discharge, in second-feet of MONROVIA CREEK above Sawdit Creek for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.08	0.06	4.7	0.5	0.07	0.06	0.1	0.06	a 0.03	0.02	0.02	0.01
2	0.09	0.06	3.5	0.5	0.06	0.05	0.2	0.06	a 0.03	0.02	0.02	0.01
3	0.09	0.06	0.7	0.6	0.06	0.05	0.2	0.05	a 0.03	0.03	0.02	0.02
4	0.08	0.06	0.6	0.3	0.06	0.05	0.2	0.05	a 0.03	0.03	0.02	0.02
5	0.08	0.06	0.5	0.2	0.06	0.05	0.2	0.05	a 0.03	0.03	0.02	0.02
6	0.08	0.06	0.3	0.2	0.06	0.05	0.2	0.05	a 0.03	0.03	0.02	0.02
7	0.06	0.07	0.2	0.7	0.06	0.06	0.1	0.05	a 0.03	0.03	0.02	0.02
8	0.06	0.1	0.2	0.5	0.05	0.06	0.1	0.05	a 0.03	0.02	0.02	0.02
9	0.06	0.1	0.1	0.2	0.05	0.07	0.1	0.05	a 0.03	0.02	0.02	0.02
10	0.06	0.09	0.1	0.07	0.04	0.06	0.1	0.05	a 0.03	0.02	0.02	0.02
11	0.06	0.07	0.09	0.05	0.04	0.06	0.08	0.05	a 0.03	0.02	0.02	0.02
12	0.05	0.07	0.08	0.05	0.04	0.06	0.08	0.05	a 0.03	0.02	0.02	0.02
13	0.05	0.07	0.08	0.07	0.04	0.06	0.08	0.05	a 0.03	0.02	0.02	0.02
14	0.05	0.2	0.08	0.2	0.03	0.06	0.07	0.05	a 0.03	0.02	0.02	0.02
15	0.05	0.5	0.08	0.1	0.03	0.05	0.07	0.05	a 0.03	0.02	0.02	0.02
16	0.05	0.3	0.08	0.1	0.03	0.05	0.07	0.05	a 0.03	0.02	0.02	0.02
17	0.05	0.1	0.08	0.1	0.03	0.05	0.07	0.05	a 0.03	0.02	0.02	0.02
18	0.05	0.1	0.08	0.1	0.04	0.05	0.07	0.04	a 0.03	0.02	0.02	0.02
19	0.05	0.1	0.08	0.2	0.05	0.07	0.07	0.03	a 0.03	0.02	0.02	0.02
20	0.05	0.1	0.5	0.2	0.06	0.07	0.07	0.03	a 0.03	0.02	0.02	0.02
21	0.04	0.1	0.3	0.09	0.07	0.2	0.07	0.03	a 0.03	0.02	0.02	0.02
22	0.04	0.1	0.3	0.09	0.07	0.1	0.07	0.04	a 0.03	0.02	0.02	0.02
23	0.04	0.2	0.3	0.09	0.07	0.1	0.07	0.04	a 0.03	0.02	0.02	0.02
24	0.04	0.3	0.3	0.09	0.08	0.1	0.07	a 0.04	a 0.03	0.02	0.02	0.02
25	0.04	0.3	0.3	0.09	0.07	0.1	0.07	a 0.04	a 0.03	0.02	0.02	0.02
26	0.04	0.3	0.2	0.09	0.07	0.1	0.07	0.04	a 0.03	0.02	0.02	0.02
27	0.04	0.3	0.2	0.09	0.07	0.1	0.06	0.03	a 0.03	0.02	0.02	0.02
28	0.05	0.3	0.4	0.07	0.06	0.1	0.07	0.03	a 0.03	0.02	0.02	0.02
29	0.05	0.3	0.3	0.07	0.07	0.1	0.07	0.03	a 0.03	0.02	0.02	0.02
30	0.05	0.5	0.5	0.07	0.07	0.1	0.06	0.03	a 0.03	0.02	0.02	0.02
31	0.05	0.6	0.6	0.07	0.07	0.1	0.06	0.03	a 0.03	0.02	0.02	0.02
	1.73	4.83	15.84	5.86	1.53	2.93	2.93	1.36	0.90	0.76	0.47	0.58

MEAN	0.06	0.16	0.51	0.19	0.05	0.09	0.10	0.04	0.03	0.025	0.105	0.019
ACRE- FEET	3.4	9.6	31.	12.	3.0	5.5	5.8	2.7	1.8	1.5	0.9	1.2
Remarks:	YEAR OR PERIOD MEAN ACRES-FEET 0.11 78.											



STATION F195-R
MONROVIA STORM DRAIN at Peck Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'27", LONG. 118°00'13", ON THE LEFT (EAST) WING WALL OF APPROACH TO CONCRETE OUTLET CHANNEL OF MONROVIA STORM DRAIN INTO PECK ROAD AND ABOUT 1 MILE SOUTH OF MONROVIA. ELEVATION OF GAGE 383.88 FEET.

DRAINAGE AREA: 4.5 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL UPSTREAM FROM STILLING WELL. CONCRETE CHANNEL STARTS AT WELL. CONTROL - CONCRETE SILL AT BEGINNING OF CONCRETE LINED CHANNEL - 22.5 FEET WIDE X 3.2 FEET DEEP.

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

RECORDER: INSTALLED APRIL 25, 1932 OVER AN 18- INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: APRIL 25, 1932 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 884 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 917 SECOND-FEET DECEMBER 1.
MINIMUM NO FLOW MOST OF YEAR.

1932-53
MAXIMUM 1200 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN
AT Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 1952

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. DIS.	METH. DIS.	MEAN REC. NO.	D. FT. CHANGE TOTAL	METER NO.		
38	2-29	1802 1812	MOON	25.2	23.2	4.57	1.65	108.				.6	8	-10	FC22

DISCHARGE MEASUREMENTS OF MONROVIA STORM DRAIN
AT Peck Road DURING THE YEAR ENDING SEPTEMBER 30, 1953

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. DIS.	METH. DIS.	MEAN REC. NO.	D. FT. CHANGE TOTAL	METER NO.		
39	12-20	0811 0818	MOON-MURPHY	23.0	13.0	3.88	1.12	46.6				.6	10	-.03	FC29

HYDRAULIC F. C. DIST. 58 9-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195-R

Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.4	0	0	2.7	0	0	0			
2	0	0	1.2	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0			
4	0	0	3.4	0	0	0	0	0	0			
5	0	0	1.1	0	0	0	0	0	0			
6	0	0	0	0.5	0	2.0	0	0	0			
7	0	0	0	5.6	0	7.4	2.7	0	0			
8	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	0			
10	0	0	0	0	0	5.0	3.7	0	0			
11	0	0	6.5	0	0	0	0	0	0			
12	0	0	16.6	2.5	0	8.9	0	0	0			
13	0	0	0	5.4	0	0	0	0	0			
14	0	0	0	0	0	0	0	0	0			
15	0	0	0	6.0	0	4.1	0	0	0			
16	0	0	0	1.9	0	5.2	0	0	0			
17	0	0	0	6.6	0	0.1	0	0	0			
18	0	0	0	3.2	0	0	0	0	0			
19	0	8.6	1.3	1.2	0	0.6	10.8	0	0			
20	0	1.5	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0			
24	0	0	0	0.3	0	0	0	0	0			
25	7.9	0	0	4.6	0	0	4.6	0	0			
26	0	0	0	0	0	0	0	0	0			
27	0	0	0	0	0	0	0	0	0			
28	0	0	0	0	0	0	0.4	0	0			
29	0	0	3.9	0	13.3	0	0.1	0	0			
30	0	0	14.7	0	0	0	0	0	0			
31	0	0	0	0	0	0	0	0	0			
	7.9		95.2		13.3		46.6		0			

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
MEAN	0.25	0.34	3.07	12.3	0.46	4.50	1.55	0	0			
ACRE- FEET	16.	20.	139.	787.	26.	277.	92.	0	0			

Remarks:

YEAR OR PERIOD MEAN 1.94
ACRE-FEET 1410.

FORM F. C. Div. 52 2-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F195-R

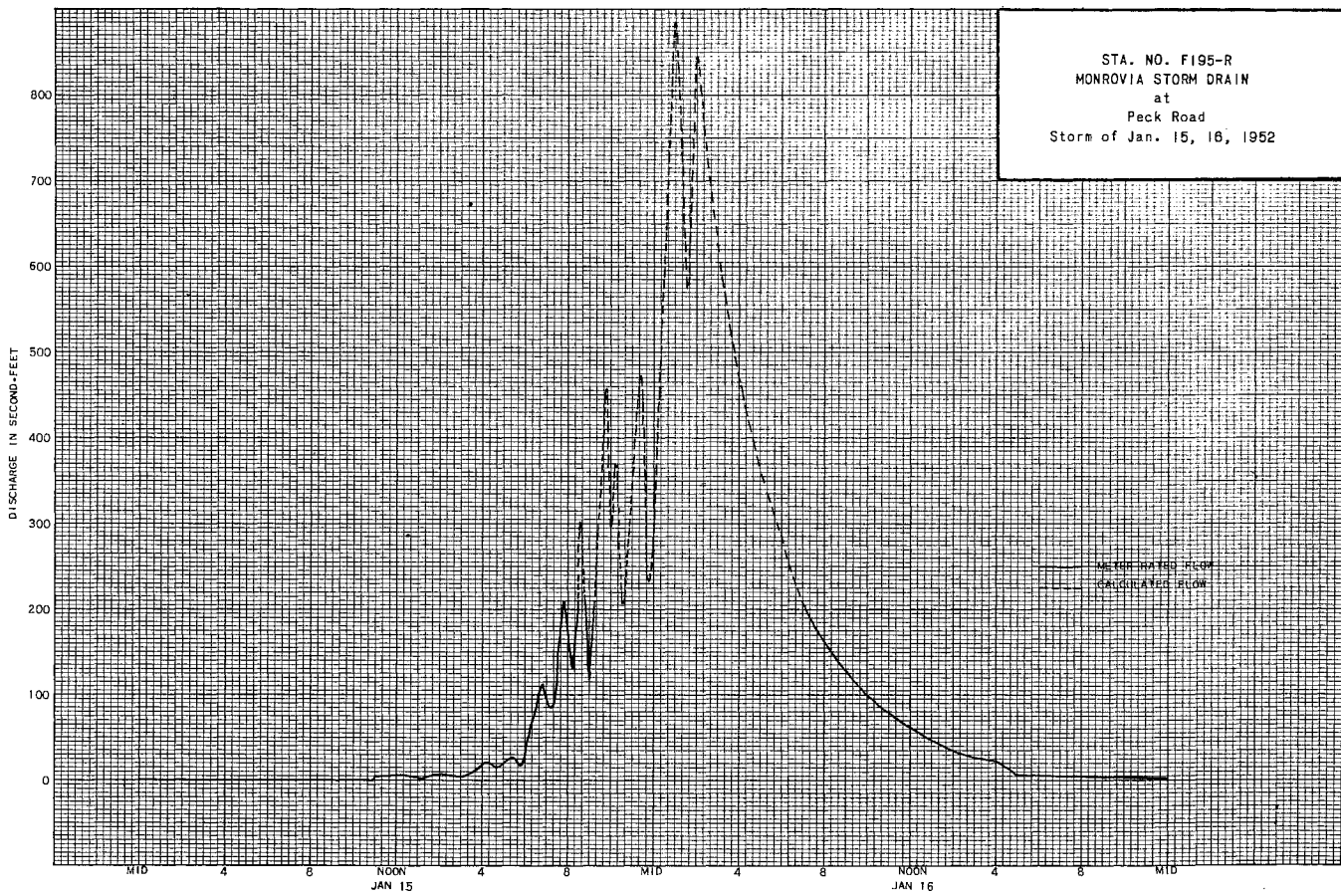
Daily discharge, in second-feet of MONROVIA STORM DRAIN at Peck Road for the year ending September 30, 1952

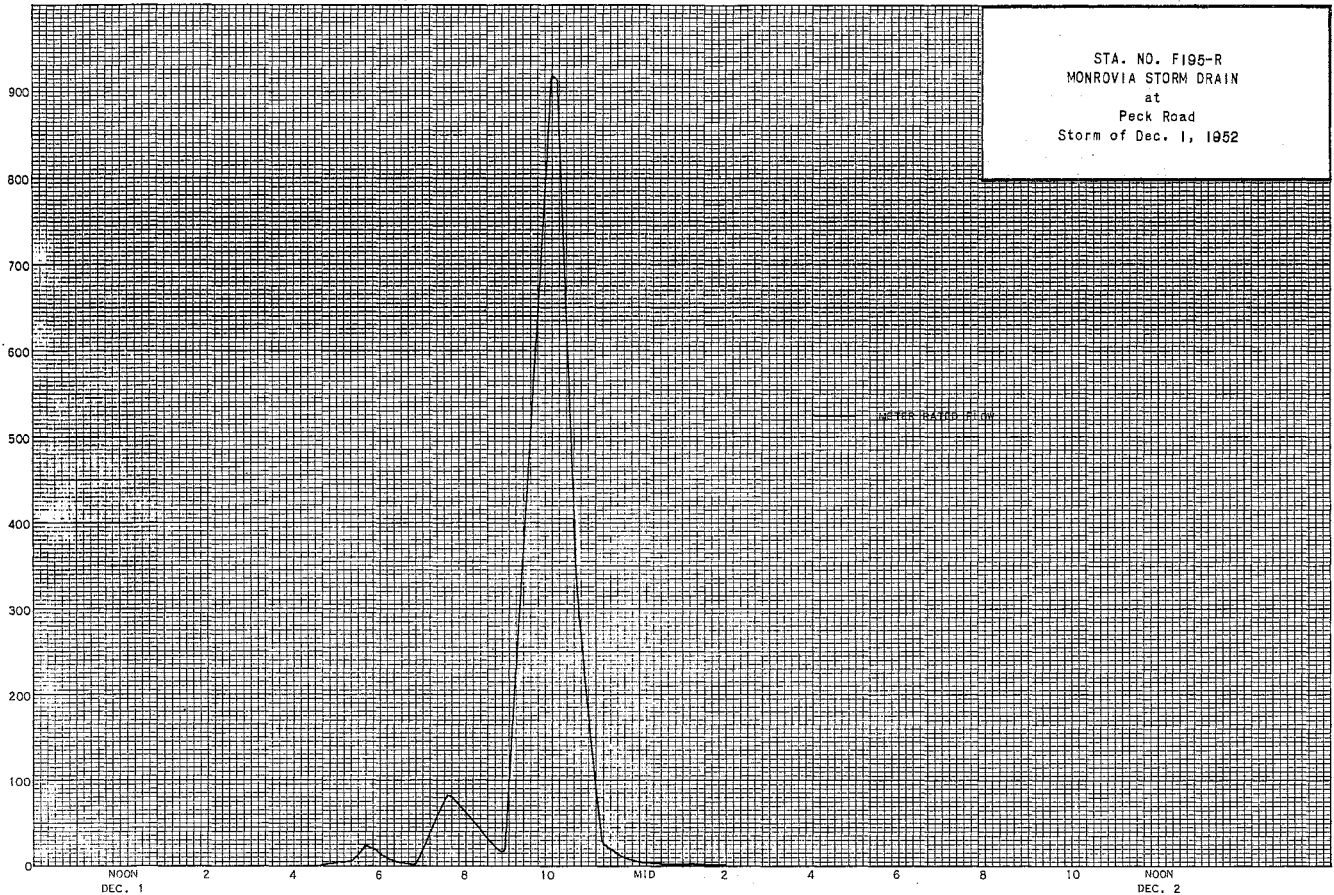
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.0	0	0	0	0	0	0
2	0	0	0.2	0	0	+	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	2.4	0	0	0	0	0	0	0	0
7	0	0	0	2.4	0	0	0	0	0	0	0	0
8	0	3.2	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	2.9	0	0	0	0	0	0	0	0
14	0	2.0	0	+	0	0	0	0	0	0	0	0
15	0	3.5	0	0	0	0	0	0	0	0	0	0
16	0	0.5	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1.6	0	0	0	0	0	0
20	0	0	3.4	0	0	1.9	0.3	0	0	0	0	0
21	0	0	0	0	0	0	0.5	0	0	0	0	0
22	0	6.7	0	0	0	0	0	0	0	0	0	0
23	0	0.1	0	0	1.3	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	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	3.9	0	0	0	0	0
28	0	0	0	0	0.1	0	+	0	0	0	0	0
29	0	2.5	0	0	0	0	0	0	0	0	0	0
30	0	0.4	9.0	0	0	0	0	0	0	0	0	0
31	0	0	0.1	0	0	0	0	0	0	0	0	0
		68.4	94.3	7.7	1.4	4.5	4.7	0	0	0	0	0

MEAN	0	2.28	3.04	0.25	0.05	0.15	0.16	0	0	0	0	0
ACRE- FEET	0	136.	187.	15.	2.8	8.9	9.2	0	0	0	0	0

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

YEAR OR PERIOD MEAN C.F.S. ACRE-FEET 249.





STATION F191-R
MONTEBELLO STORM DRAIN above Rio Hondo

LOCATION: WATER-STAGE RECORDER, LAT. $33^{\circ}59'59''$, LONG. $116^{\circ}06'17''$, ON THE RIGHT (SOUTH) WING WALL OF THE STORM DRAIN OUTLET, 200 FEET EAST OF THE EAST END OF MINES AVENUE AND 220 FEET WEST OF WEST BANK OF THE RIO HONDO NEAR MONTEBELLO. ELEVATION OF ZERO GAGE HEIGHT, 161.97 FEET.

DRAINAGE AREA: 9.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - CONCRETE APRON WITH WING WALLS BELOW A 14 FT. X 10 FT. CONCRETE-COVERED DRAIN. A DROP-OFF EXISTS JUST BELOW THE STATION. ON APRIL 11, 1935, A DIVERSION WALL 4 INCHES HIGH WAS BUILT ACROSS THE DRAIN 20 FEET ABOVE THE STATION. THE STAGE-DISCHARGE RELATION MAY BE AFFECTED BY BACKWATER FROM THE RIO HONDO DURING FLOOD FLOWS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING AT OUTLET. HIGH FLOWS MEASURED FROM HEAD WALL AT END OF COVERED SECTION.

RECORDER: INSTALLED JANUARY 21, 1932 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE PRIOR TO APRIL 11, 1935. SUBSEQUENT TO APRIL 11, 1935, A GATED TWELVE-INCH PIPE DIVERTS THE SUMMER FLOW FROM A POINT 20 FEET ABOVE THE STATION TO THE RIO HONDO. NO DIVERSIONS DURING THE WINTER MONTHS.

RECORDS AVAILABLE: JANUARY 12, 1932 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52

MAXIMUM 1010 SECOND-FOOT MARCH 7.

MINIMUM 0.1 SECOND-FOOT AT VARIOUS TIMES.

1952-53

MAXIMUM 770 SECOND-FOOT NOVEMBER 15.

MINIMUM 0.1 SECOND-FOOT AUGUST AND SEPTEMBER.

1931-53

MAXIMUM 1400 SECOND-FOOT, ESTIMATED MARCH 2, 1938.

MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR. LOW FLOWS USUALLY ESTIMATED DUE TO COMMUNICATION BEING OBSTRUCTED BY SAND.

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

FORM F. C. Div. 5 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	e 0.1	0.9	4.6	0.3	0.1	6.7	0.3	0.1	0.3	a 0.1	a 0.1	a 0.2
2	e 0.1	0.7	1.2	0.3	0.1	0.7	0.3	0.1	0.3	0.1	0.1	0.3
3	e 0.1	0.3	0.1	0.3	0.1	0.7	0.9	0.1	0.3	0.1	0.1	0.5
4	e 0.1	0.3	9.7	0.3	0.1	0.7	0.9	0.1	0.3	0.1	0.1	0.7
5	e 0.7	0.3	6.7	0.3	0.1	0.5	0.9	0.3	0.5	0.1	0.1	0.9
6	0.3	0.5	0.1	1.2	0.1	7.1	0.9	0.7	0.5	0.1	0.1	1.0
7	0.3	0.5	0.1	5.8	0.1	302	28	0.5	0.7	0.1	0.1	0.1
8	0.3	0.7	0.1	1.9	0.1	1.3	1.5	0.3	0.5	0.1	0.1	1.1
9	0.5	0.7	0.1	1.5	0.1	0.3	0.3	0.3	0.7	0.1	0.1	1.2
10	0.5	0.5	0.1	1.5	0.1	10.8	25	0.3	0.9	0.1	0.1	a 1.3
11	0.3	0.5	5.5	1.7	0.1	0.3	0.9	0.3	0.7	0.1	0.1	1.3
12	0.5	0.3	20	5.3	e 0.1	2.3	0.5	0.3	0.3	0.1	0.1	1.3
13	0.5	0.5	0.3	22	e 0.1	1.3	0.3	0.3	0.3	0.1	0.1	1.5
14	0.7	0.3	0.3	4.1	e 0.1	0.3	0.3	0.5	0.2	0.1	0.2	1.3
15	0.5	0.3	0.1	12.5	0.1	17.4	0.3	0.5	0.2	0.1	0.2	0.9
16	0.7	e 0.1	0.1	111	e 0.1	25	0.3	0.5	0.2	0.1	0.2	0.7
17	0.5	e 0.1	0.1	195	0.1	0.3	0.3	0.9	0.1	0.1	0.2	0.9
18	0.5	e 0.1	0.1	160	0.1	0.3	0.3	0.5	0.1	0.1	0.2	0.9
19	0.5	16.0	2.9	5.5	0.1	b 4.6	a 0.3	0.3	0.1	0.1	0.2	2.3
20	0.5	17.0	0.3	4.1	0.1	0.3	0.3	0.5	0.1	0.1	0.2	2.1
21	0.5	0.7	0.3	4.1	0.1	0.3	0.3	1.1	0.1	0.1	0.2	0.7
22	0.3	0.1	0.1	3.2	0.1	0.3	0.1	0.7	0.1	0.1	0.2	0.5
23	0.3	0.1	0.1	2.3	0.1	0.1	0.1	0.7	0.1	0.1	0.2	0.3
24	0.4	0.1	0.3	1.9	0.1	0.1	0.1	0.5	0.1	0.1	0.2	0.3
25	4.6	e 0.1	0.3	4.2	0.7	0.1	7.6	0.5	0.1	0.1	0.2	3.5
27	0.7	e 0.1	0.1	1.3	0.1	0.3	0.1	0.3	0.1	0.1	0.2	4.6
28	0.3	e 0.1	0.1	1.1	0.1	0.1	0.1	0.3	0.1	0.1	0.2	2.6
29	0.3	0.1	0.1	0.9	0.1	0.3	0.9	0.3	0.1	0.1	0.2	1.5
29	0.5	0.1	8.3	0.3	14.4	0.3	0.7	0.5	0.1	0.1	0.2	1.3
30	0.3	0.1	37	0.1	0.3	0.3	0.1	0.5	a 0.1	0.1	0.2	1.3
31	0.3	0.3	0.3	0.1	0.3	0.3	0.5	0.5	a 0.1	a 0.1	a 0.2	1.3
	16.7		174.2		18.0		73.1		8.3		4.9	
		42.0		752.1		541.8		13.3		3.1		37.5
MEAN	0.54	1.40	5.62	24.3	0.62	17.5	2.44	0.43	0.28	0.10	0.16	1.25
ACRE- FEET	33.	83.	346.	1490.	36.	1070.	145.	26.	16.	6.1	7.7	74.
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	2.60 3330.

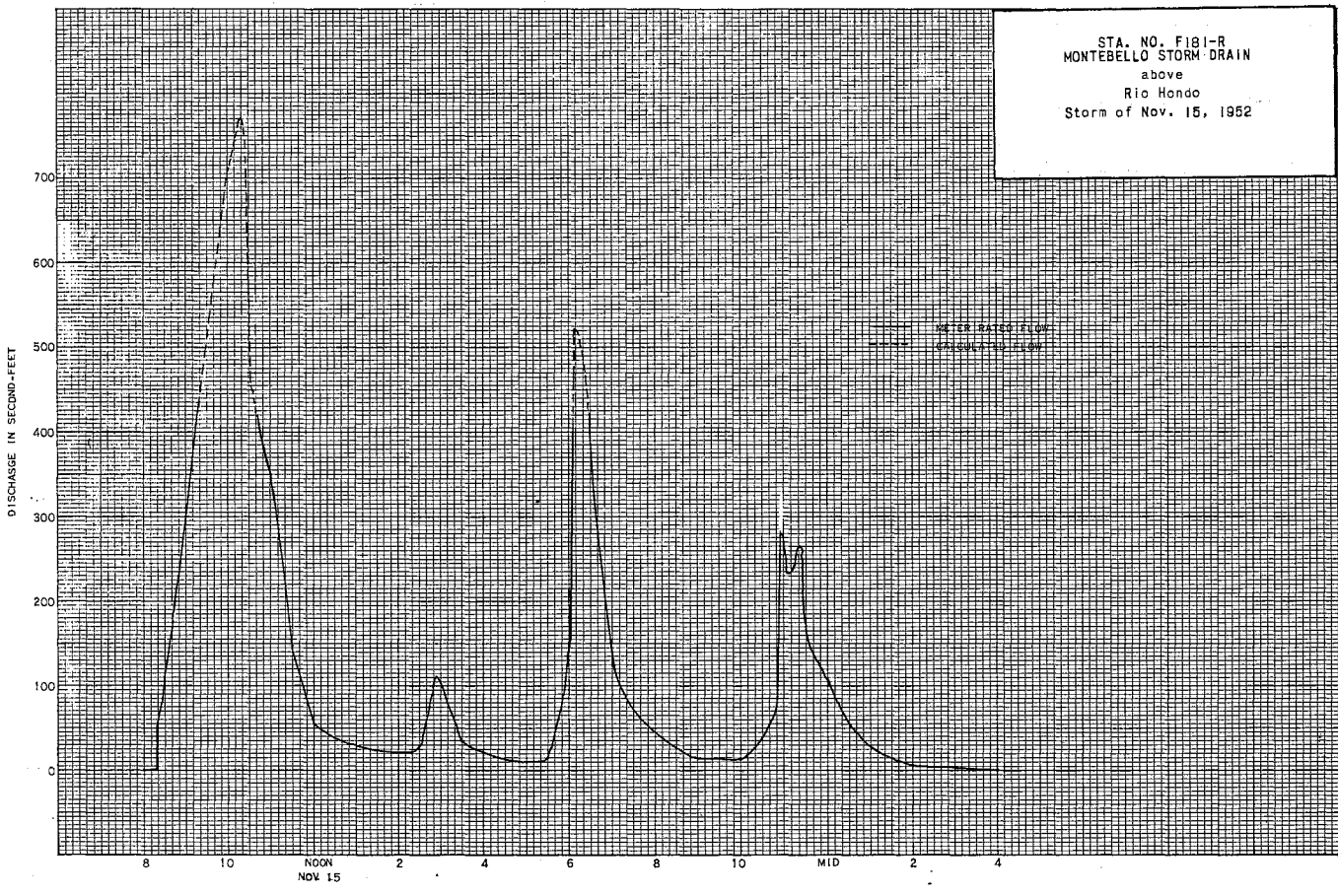
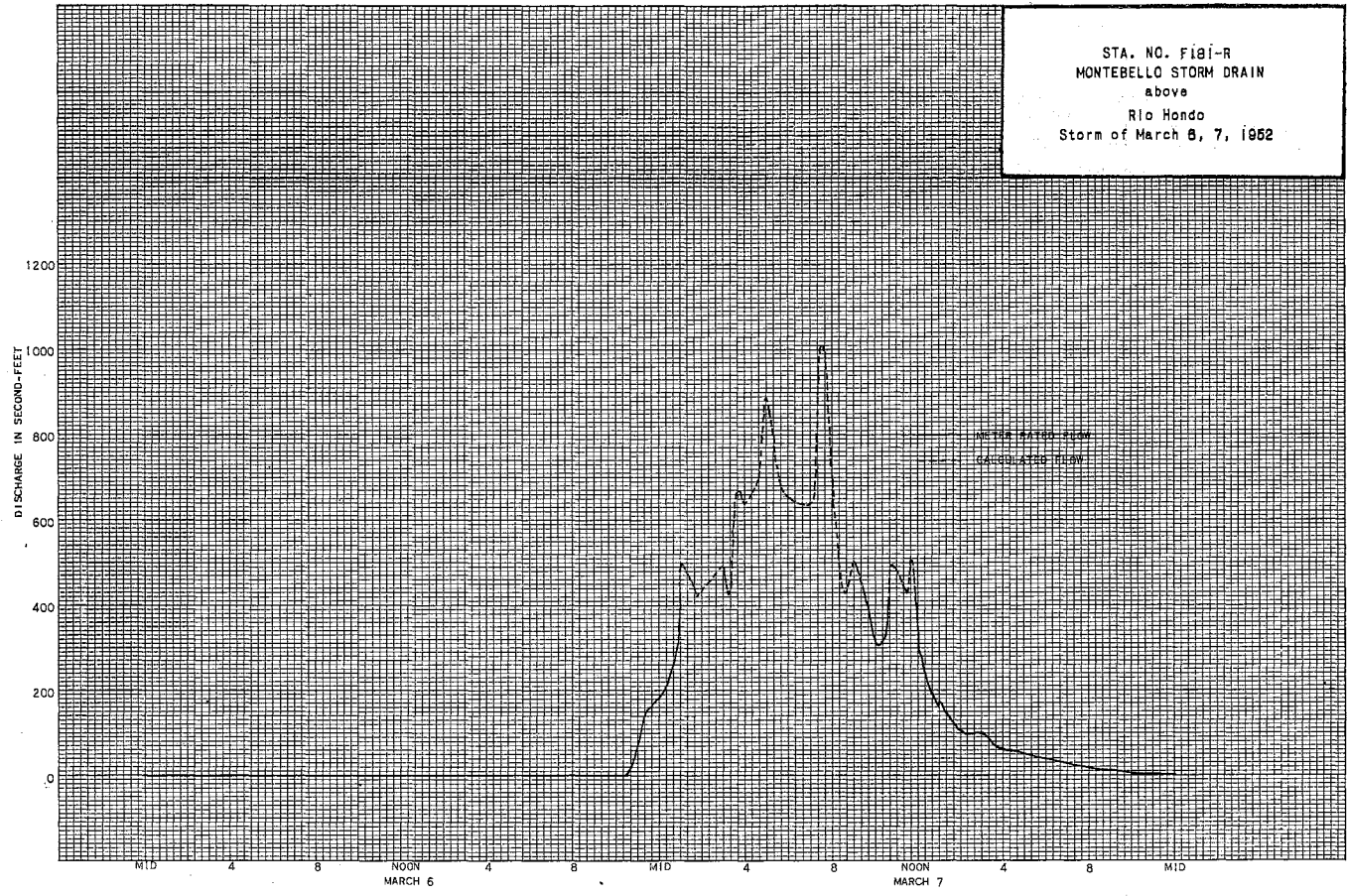
FORM F. C. Div. 5 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of MONTEBELLO STORM DRAIN above Rio Hondo for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	a 0.6	8.2	0.2	0.3	8.3	0.7	0.7	e 0.3	e 0.2	e 0.2	e 0.1
2	1.1	0.5	2.5	0.2	0.2	1.5	0.1	0.9	0.2	0.2	0.2	0.1
3	1.1	0.5	0.9	0.1	0.2	0.9	0.3	0.9	0.2	0.2	0.2	0.1
4	1.1	0.4	0.3	0.1	0.2	0.9	0.3	0.9	0.2	0.2	0.2	0.1
5	1.1	0.4	1.0	0.1	0.2	0.9	0.3	1.1	0.2	0.3	0.2	0.1
6	0.9	0.3	2.6	12.3	0.3	0.7	0.2	e 0.3	0.3	0.3	e 0.2	0.1
7	0.9	a 0.3	0.1	14.0	0.9	0.9	0.2	0.3	0.2	0.3	0.2	0.1
8	0.7	3.7	0.1	7.4	0.3	0.9	0.3	0.3	0.3	0.3	0.2	0.1
9	0.7	0.9	0.1	0.7	0.9	0.9	0.9	0.3	0.3	0.4	0.2	0.1
10	0.9	0.7	0.1	0.7	0.3	0.9	1.3	0.2	0.3	0.4	0.2	0.1
11	0.9	0.7	0.1	0.7	0.2	1.1	0.7	0.2	0.3	0.4	0.1	0.1
12	0.7	0.7	0.1	0.7	0.9	1.1	0.3	0.2	0.3	0.4	0.1	0.1
13	0.5	0.7	0.1	2.3	0.7	1.1	0.7	0.2	0.3	0.5	0.1	0.1
14	0.5	3.9	0.1	1.1	0.3	0.9	0.7	0.2	0.2	0.5	0.1	0.1
15	0.5	9.7	0.1	0.9	0.3	0.7	0.9	0.2	0.2	0.5	0.1	0.1
16	0.7	4.6	0.1	0.7	0.3	1.1	1.1	0.1	0.1	0.5	0.1	0.1
17	0.7	0.9	3.3	0.7	0.3	0.3	1.1	0.1	0.1	0.5	0.1	0.1
18	0.7	0.9	0.1	0.9	0.3	0.2	0.9	0.1	0.1	0.5	0.1	0.1
19	0.9	0.9	0.1	1.1	0.9	4.4	0.5	0.1	0.1	0.5	0.1	0.1
20	0.7	0.7	6.2	1.1	0.9	8.7	10.9	0.1	0.1	0.5	e 0.1	0.1
21	0.7	0.7	0.2	1.3	0.5	0.2	2.6	0.1	0.1	0.4	0.1	0.1
22	0.7	3.3	0.2	1.1	0.5	0.3	0.5	0.1	0.1	0.4	0.1	0.1
23	0.7	3.2	0.5	0.9	0.9	3.7	0.3	0.5	0.1	0.4	0.1	0.1
24	0.9	1.1	0.7	0.7	0.5	0.2	0.7	0.2	0.1	0.4	0.2	0.1
25	a 0.2	1.1	0.7	0.5	0.7	0.3	1.1	0.2	0.1	0.4	e 0.2	e 0.1
26	0.9	1.1	0.9	0.5	0.9	0.5	0.9	0.3	0.1	0.3	0.2	0.1
27	0.8	1.5	0.7	0.3	0.7	0.7	3.5	0.3	0.1	0.3	e 0.2	0.1
28	0.8	1.5	2.6	0.3	2.3	0.2	1.1	0.4	0.1	0.3	0.2	0.1
28	0.7	9.6	0.5	0.7	0.3	0.3	0.5	0.4	0.1	0.3	0.2	0.1
29	0.7	4.2	2.9	0.7	0.3	0.3	0.5	0.3	e 0.1	0.3	0.2	0.1
30	0.7											
31	a 0.6		1.8	0.5	0.5	0.5	0.3	0.3	e 0.3	e 0.3	0.2	0.1
	25.0		21.7		51.6		65.7		5.2		4.9	
		211.4		74.2		40.2		10.1		11.4		3.0
MEAN	0.81	7.05	7.00	2.39	1.84	1.30	2.19	0.33	0.17	0.37	8.16	0.10
ACRE- FEET	50.	419.	430.	147.	102.	80.	130.	20.	10.	23.	9.7	6.0
Remarks:										YEAR OR PERIOD	MEAN ACRE-FEET	1.97 1430.



STATION F118B-R
PACOIMA CREEK below Pacoima Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°20'07", LONG. 118°23'50", 4 MILES NORTH-EAST OF SAN FERNANDO, AND ABOUT 500 FEET DOWNSTREAM FROM PACOIMA DAM; FORMER STATION F118-R WAS APPROXIMATELY 450 FEET DOWNSTREAM, FORMER STATION U13-R WAS APPROXIMATELY 0.5 MILE DOWNSTREAM, ELEVATION OF GAGE, ABOUT 1650 FEET.

DRAINAGE AREA: 28.2 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - GRAVEL AND BOULDERS ABOVE AND BELOW FLUME, CONTROL - A 10-FOOT SAN DIMAS TYPE RUBBLE AND CONCRETE FLUME. A 90° V-NOTCH WEIR CAN BE DROPPED TO MEASURE LOW FLOWS.

DISCHARGE MEASUREMENTS: FROM FOOTBRIDGE OVER FLUME.

RECORDER: INSTALLED AT STATION F118-R ON MARCH 24, 1933. REMOVED FEBRUARY 1, 1935. INSTALLED AT STATION F118B-R ON FEBRUARY 9, 1935; REMOVED APRIL 28, 1937. RE-INSTALLED JUNE 25, 1937. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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 FERNAND, 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, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 634 SECOND-FOOT JANUARY 18.
MINIMUM NO FLOW AT VARIOUS TIMES.
1952-53
MAXIMUM 163 SECOND-FOOT NOVEMBER 17.
MINIMUM NO FLOW AT VARIOUS TIMES.
1916-29 (STATION U13-R)
MAXIMUM 1,860 SECOND-FOOT FEBRUARY 16, 1927.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-53 (STATIONS F118-R, F118B-R AND PARSHALL FLUME AND DAM RECORDS.)
MAXIMUM 685 SECOND-FOOT MARCH 2, 1938.
MINIMUM 2060 SECOND-FOOT MARCH 3, 1938. INCLUDING SPILLWAY DISCHARGE.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: EXCELLENT FOR LIMITS OF FLOW.

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

DISCHARGE MEASUREMENTS OF PACOIMA CREEK
below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. IN	METH. USED	REAR. REC. NO.	R. CHG. TOTAL	METER NO.
555	10-3	0920	TURNER				1.35	5.3		V-NOTCH WEIR			
556	10-10	1215	"				0.48	0.41	"	"	"		
557	1-13	1190 1115	TURNER-ROGERS	10.0	7.94	7.35	0.72	58.4	.6	11	0	FC43	
558	1-14	0845 0830	"	10.0	15.7	9.36	1.62	147.	.6	11	0	"	
559	1-16	1648 1658	"	10.0	11.6	8.56	1.20	99.3	.6	11	0	"	
560	1-19	1425 1435	"	10.0	25.5	11.0	2.86	280.	.6	11	0	"	
561	1-20	1015 1025	"	10.0	26.1	11.3	2.90	294.	.6	11	0	"	
562	1-21	1250 1308	"	10.0	29.0	10.8	2.90	313.	.8	7	0	"	
563	1-24	0848 0830	TURNER-HYDE	10.0	22.7	9.56	2.27	217.	.6	11	-0.02	"	
564	1-30	1355 1404	TURNER	10.0	7.04	8.27	0.79	58.2	.6	11	0	"	
565	2-1	1515 1527	TURNER-BARR	10.0	12.2	8.93	1.33	108.	.6	11	0	"	
566	2-19	0759 0770	TURNER	10.0	11.7	9.06	1.21	106.	.6	13	0	"	
567	2-21	1655 1710	"	10.0	4.24	6.12	0.37	25.9	.6	13	0	"	
568	2-22	1450 1505	"	10.0	7.00	1.69	0.19	11.8	.6	13	0	"	
569	2-27	1805 1815	TURNER-CANAVAN	10.3	8.24	1.38	0.20	11.4	.6	8	0	"	
570	3-5	1455 1455	TURNER	10.9	8.51	1.33	0.20	11.3	.6	8	0	"	
571	3-9	1357 1409	TURNER-BARR	10.0	11.6	7.76	1.16	90.0	.6	12	0	"	
572	3-11	0917 0929	TURNER	10.0	13.8	7.97	1.36	110.	.6	12	0	"	
573	3-16	1340 1350	TURNER-ROGERS	10.0	16.5	8.66	1.65	143.	.6	12	0	"	
574	3-26	0830 0840	TURNER	10.0	11.3	7.81	1.13	88.2	.6	12	0	"	
575	4-2	1330 1340	TURNER-BARR	10.0	9.70	7.16	0.97	69.5	.6	12	0	"	
576	4-8	0950 1000	TURNER	10.0	10.4	7.58	1.04	78.8	.6	12	0	FC45	
577	4-8	1005 1015	"	10.0	10.4	7.44	1.04	77.4	.6	12	0	"	
578	4-23	1503	"				0.25	0.08		V-NOTCH WEIR			
579	5-7	1605	"				0.28	0.11	"	"	"		
580	5-15	1635	"				0.30	0.13	"	"	"		
581	5-22	1102	"				0.33	0.16	"	"	"		
582	6-4	1630	"				1.30	4.8	"	"	"		
583	6-11	0820	"				1.32	5.0	"	"	"		
584	6-18	1255	"				1.34	5.2	"	"	"		
585	6-25	1530	"				1.30	4.8	"	"	"		
586	7-9	1630	"				1.21	4.0	"	"	"		
587	7-16	1655	"				1.18	3.8	"	"	"		
588	7-23	1400	"				1.17	3.7	"	"	"		
589	8-6	1650	"				1.32	5.0	"	"	"		
590	8-14	1020	"				1.34	5.2	"	"	"		
591	9-5	1530	"				1.36	5.4	"	"	"		

DISCHARGE MEASUREMENTS OF PACOIMA CREEK
below Pacoima Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. IN	METH. USED	REAR. REC. NO.	R. CHG. TOTAL	METER NO.
592	10-8	1605	TURNER				1.35	5.3		V-NOTCH WEIR			
593	10-15	1630	"				1.31	4.9		V-NOTCH WEIR			
594	10-22	0825	"				1.29	4.7		V-NOTCH WEIR			
595	11-5	1600	"				1.26	4.5		V-NOTCH WEIR			
596	11-17	0900 0915	TURNER-BARR	10.0	7.10	6.68	0.71	47.4	.6	13	0	FC43	
597	11-17	1114 1129	"	10.0	15.2	8.42	1.50	128.	.6	12	0	"	
598	11-17	1610 1612	"	10.0	18.3	8.91	1.83	163	.6	12	0	"	
599	11-19	1410 1425	TURNER-SCHONNING	10.0	17.2	8.66	1.72	149.	.6	12	0	"	
600	1-28	1003	BLAKELY				1.11	3.3		90° V-NOTCH WEIR			
601	2-4	1545	"				1.08	2.7		"			
602	2-11	1406	"				1.00	2.5		"			
603	2-18	1318	"				1.26	4.5		"			
604	2-25	1430	"				1.35	5.3		"			
605	3-4	1437	"				1.26	4.5		"			
606	3-11	1335	"				1.35	5.3		"			
607	3-18	1360	"				0.71	1.1		"			
608	3-25	1250	"				0.47	0.39		"			
609	4-8	1115	"				0.11	0.01		"			
610	4-17	1215	HYDE				0.12	0.01		"			
611	4-23	1505	BLAKELY				1.34	5.2		"			
612	5-7	1125	"				1.34	5.2		"			
613	5-14	1140	"				1.29	4.7		"			
614	5-22	1011	"				1.22	4.1		"			
615	9-3	1130	HYDE				1.23	4.2		"			

STATION FIG-R
PACOIMA WASH at Parthenia Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°13'42", LONG. 118°27'32", ON THE DOWN-STREAM SIDE OF PARTHENIA STREET BRIDGE APPROXIMATELY 3 MILES NORTHWEST OF VAN NUYS. ELEVATION OF ZERO GAGE HEIGHT, 812.94 FEET.

DRAINAGE AREA: 50.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - COMPOSED OF SAND AND GRAVEL. WEEDS AND BRUSH ALONG BANKS. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED DECEMBER 26, 1928 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 3, 1952. STATION DISCONTINUED. (SEE STATION FIG-R).

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: TWO SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO THE PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: DECEMBER 26, 1928 TO SEPTEMBER 3, 1952.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 2640 SECOND-FOOT JANUARY 17.
MINIMUM NO FLOW MOST OF YEAR.
- 1929-52
MAXIMUM 2640 SECOND-FOOT JANUARY 17, 1952.
MINIMUM NO FLOW MOST OF YEAR.

ACCURACY: FAIR.

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

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. INCH	METH. NO.	MEAN NO.	Q. MT. TOTAL	METER NO.
269	1-12	1924 1630	" "	32.0	29.0	5.38	4.56	156.		.6	9	0	"
270	1-15	1090 1045	" "	31.0	49.2	5.61	4.67	276.		.6	8	-.06	"
271	1-18	0730 0753	" "	43.0	93.2	8.03	5.36	748.		.6	9	-.03	"
272	1-19	1038 1047	" "	33.0	22.2	4.55	4.67	101.		.6	11	0	"
273	1-20	1348 1400	TURNER	34.5	30.4	5.36	4.84	163.		.6	11	0	"
274	1-21	0824 0843	TURNER-ROGERS	59.0	38.9	4.47	4.92	174.		.6	14	0	"
275	1-22	0830 0900	TURNER	75.0	49.6	4.86	5.36	231.		.6	17	0	"
276	1-23	0912 0924	TURNER-HOYE	36.0	25.1	4.86	5.05	122.		.6	11	0	"
277	1-24	1035 1045	" "	34.5	24.5	4.61	5.06	113.		.6	11	0	"
278	1-25	1410 1416	" "	30.5	10.1	2.82	4.67	28.5		.6	11	0	"
279	3-7	0543 0653	TURNER	40.0	66.6	7.19	5.20	478.		.6	9	-.16	"
280	3-7	1000 1005	TURNER-ROGERS	31.0	11.6	2.12	4.17	24.5		.6	9	0	"
281	3-9	0654 0900	TURNER	28.0	8.63	2.06	4.08	17.8		.6	9	-.04	"
282	3-9	0921 0930	"	31.0	7.87	2.11	4.12	16.6		.6	10	-.04	"
283	3-10	1235 1238	"	4.0	0.87	1.38	3.88	1.2		.6	5	-.03	"
284	3-15	1242 1246	TURNER-ROGERS	35.0	20.9	3.54	4.51	74.1		.6	11	+1.10	"
285	3-15	1342 1354	" "	45.0	83.0	10.1	5.19	835.		.6	11	+0.06	"
286	3-15	2257 2306	" "	36.0	30.5	4.10	4.37	125.		.6	12	-.13	"
287	3-16	1144 1150	" "	34.0	7.70	1.90	4.08	14.6		.6	10	-.05	"
288	3-17	1505 1512	TURNER	36.0	13.1	3.14	4.40	41.2		.6	11	-.10	FC29
288	3-18	0905 0913	"	36.5	22.0	4.59	4.48	101.		.6	10	0	"
290	3-19	1010 1018	"	36.0	20.6	4.12	4.56	84.8		.6	10	-.06	"
291	3-19	1027 1033	"	34.8	13.7	3.54	4.48	48.5		.6	8	-.35	"
292	3-24	0912 0920	BLAKELY	34.5	11.9	3.19	4.71	38.0		.5	11	0	FC24
293	3-25	0930 0940	TURNER	TWO	CHANNELS		4.42	4.1		.6	12	-.04	FC43
294	3-26	1722 1728	"	8.5	2.45	2.21	4.35	5.4		.6	7	0	"
295	4-2	1704 1710	"	12.5	2.34	1.54	4.41	3.6		.6	7	0	"

PACOIMA WASH

DURING THE YEAR ENDING SEPTEMBER 30, 1952

WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	MEAN NO.	Q. MT. TOTAL	METER NO.
18.0	6.26	2.11	3.80	13.2	.5	7	-.08	FC43	"
25.0	9.62	3.53	3.94	34.0	.6	9	+0.01	"	"
24.5	11.1	3.35	4.00	37.2	.6	9	0	"	"
30.0	23.4	4.62	4.23	108.	.6	9	-.01	"	"
26.0	12.7	3.04	4.22	38.6	.5	9	-.02	"	"
20.0	5.22	2.28	3.95	11.9	.5	10	-.02	"	"
TWO	CHANNELS		3.76	4.5	.6	8	+0.03	"	"

F. C. DIST. 52 9-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

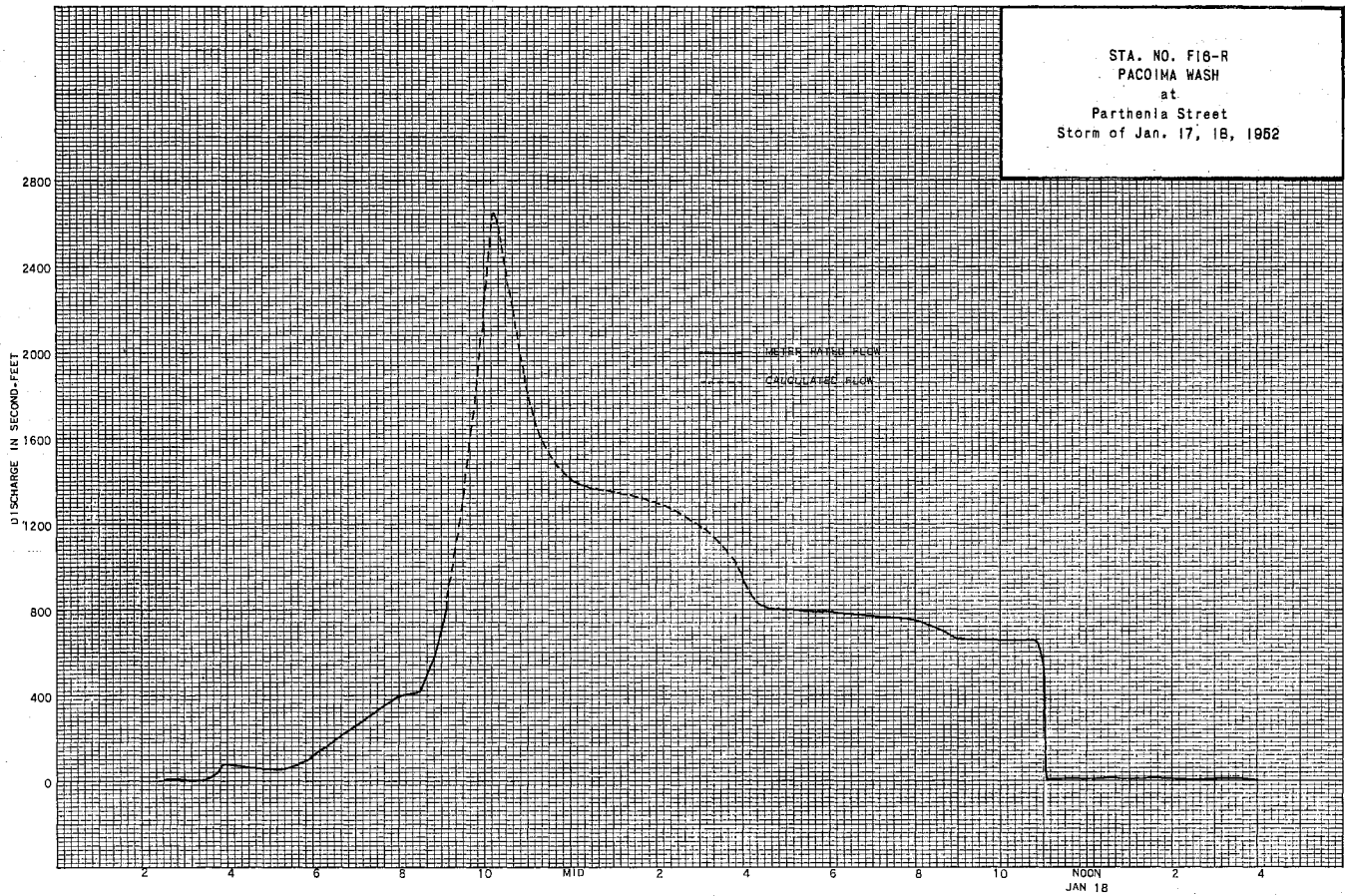
Sta. No. FIG-R

Discharge, in second-feet of PACOIMA WASH at Parthenia Street for the year ending September 30, 1952

Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
0	0	0.3	0	0	0.1	2.6	0				
0	0	0.8	0	0	0	3.6	0				
0	0	4.4	0	0	0	1.2	0				
0	0	2	0	0	0	0	0				
0	0	0	0	0	3.2	0	0				
0	0	0	0.2	0	13.6	8.0	0				
0	0	0	0	0	7.1	0	0				
0	0	0	0	0	1.2	0	0				
0	0	0	0	0	0.7	0.1	0				
0	0	0	0	0	8.3	0	0				
0	0	2.0	2.5	0	4.4	0	0				
0	0	0	0.7	0	1.5	0	0				
0	0	0	0	0	0.1	0	0				
0	0	0	a 4.7	0	16.9	0	0				
0	0	0	a 2.02	0	3.6	0	0				
0	0	0	a 2.68	0	5.1	0	0				
0	0	0	a 4.64	0	7.2	0	0				
0	0	0	a 1.41	0	6.0	0	0				
0	0	0	a 1.75	0	5.6	0	0				
0	0	0	1.84	0	5.1	0	0				
0	0	0	1.61	0	4.4	0	0				
0	0	0	1.0	0	4.2	0	0				
0	0	0	9.4	0	3	0	0				
0	0	0	4.3	0	9.6	1.8	0				
0	0	0	0	0	5.8	0	0				
0	0	0	0	0	7.5	0	0				
0	0	0	0	0	4.3	0	0				
0	0	0	0	0	0.1	0	0				
0	0	4.1	0	1.1	2.3	0	0				
0	0	9.5	0	0	4.5	0	0				
0.1											
9.9		8.3	1.8	6.6	2	1.1	8.1	8			
0.003	0.33	2.69	60.2	.038	26.4	0.68	0	0	0	0	0
D.2	20.	165.	3700.	2.2	1620.	40.	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRM-FEET 7.64
5550.



STA. NO. F16-R
 PACOIMA WASH
 at
 Parthenia Street
 Storm of Jan. 17, 18, 1952

STATION F15-R
 PACOIMA WASH at Van Nuys Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°12'24", LONG. 118°26'55", ON THE RIGHT (SOUTH) BANK OF THE CHANNEL, 60 FEET ABOVE VAN NUYS BOULEVARD BRIDGE, AND AT UPSTREAM END OF TRANSITION TO CONCRETE-LINED CHANNEL. ELEVATION OF ZERO GAGE HEIGHT 754.12 FEET.

DRAINAGE AREA: 51.5 SQUARE MILES.

CHANNEL AND CONTROL: SAND BOTTOM WITH PIPE AND WIRE SIDES 30 FEET WIDE AND 10 FEET DEEP. TRANSITION TO CONCRETE-LINED CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM FOOTBRIDGE ON UPSTREAM SIDE OF VAN NUYS BOULEVARD BRIDGE.

RECORDER: AN H.C.F. RECORDER WAS INSTALLED OCTOBER 14, 1952 OVER A 3 FT. X 3 FT. STILLING WELL AND WAS IN SERVICE TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY PACOIMA DAM AND PACOIMA SPREADING GROUNDS.

DIVERSIONS: SMALL DIVERSIONS FOR IRRIGATION NEAR MOUTH OF CANYON. WATER DIVERTED TO PACOIMA SPREADING GROUNDS DURING SPREADING OPERATIONS.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1953. RECORDS FOR STATION F16-R, PACOIMA WASH AT PARTHENIA STREET, AVAILABLE FROM DECEMBER 26, 1928 TO SEPTEMBER 9, 1952.

EXTREMES OF DISCHARGE:
 1952-53
 MAXIMUM 785 SECOND-FEET NOVEMBER 15.
 MINIMUM NO FLOW MOST OF YEAR.

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

DISCHARGE MEASUREMENTS OF PACOIMA WASH
 AT Van Nuys Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SECT. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAV. INS.	METH. USED	MEAS. NO.	D. CHG. TOTAL	METER NO.
1	11-14	1307 1315	TURNER-THOMAS	22.0	26.6	5.38	2.62	143.	.6	7	-.16	FC43	
2	11-15	0945	TURNER-MILLS	22.0	50.0	8.08	3.45	404		SURF FLOAT	1	0	
3	11-15	1144 1152	TURNER	22.0	46.7	8.80	3.65	411.		SURF	8	-.21	FC43
4	11-15	1432 1440	"	22.0	7.99	3.15	2.27	25.2	.6	8	-.02	"	
5	12-20	0700 0738	TURNER-ROGERS	28.0	32.2	6.71	3.14	216.	.6	8	-.03	"	
6	12-20	0832 0839	"	26.0	13.9	4.47	2.44	62.1	.6	10	-.07	"	
7	4-27	1940 1944	BLAKELY	27.0	16.0	4.65	2.38	74.4	.6	9		FC24	
8	4-27	2122 2145	GODFREY-BRITZMAN	23.5	5.18	1.93	2.02	10.0	.6	12	-.07	FC28	
9	4-27	2200 2212	"	22.8	3.95	1.44	1.96	5.7	.5	12	-.03	"	
10	4-27	2238 2258	"	22.3	2.89	0.59	1.90	1.6		SURF	12	-.04	"

FORM C-12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F15-R

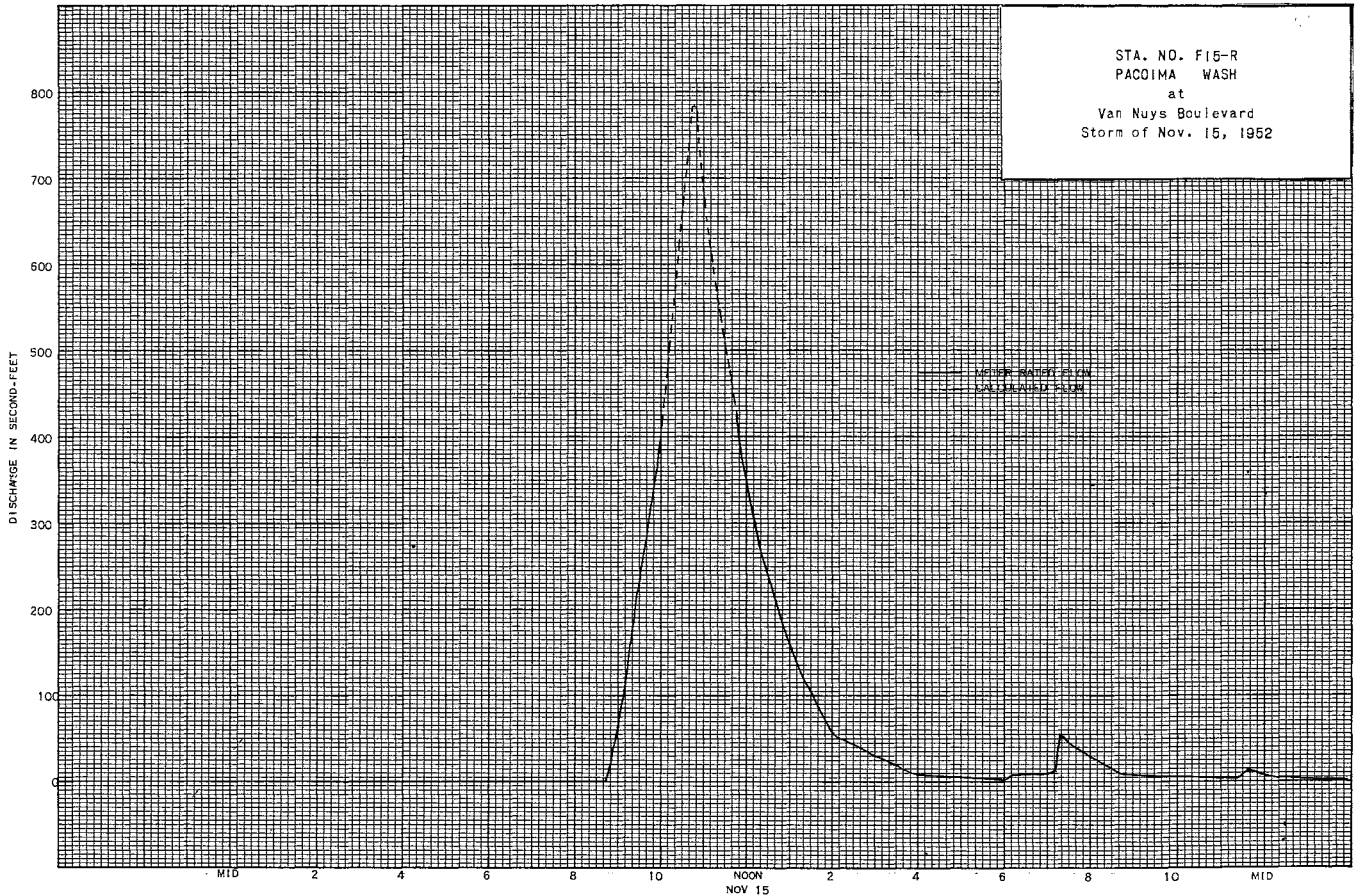
Daily discharge, in second-feet of PACOIMA WASH at Van Nuys Boulevard for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	37	0	0	0	0	0	0	0	0	0
2	0	0	2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	6.9	0	0	0	0	0	0	0	0	0	0
15	0	80.9	0	0	0	0	0	0	0	0	0	0
16	0	0.5	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	4.0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	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	0.3	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0.4	2.2	0	0	0	0	0	0	0	0	0
31	0	0	0.1	0	0	0	0	0	0	0	0	0
	0	87.8	108.6	0	0	0	3.0	0	0	0	0	0

MEAN	0	2.93	3.50	0	0	0	0.10	0	0	0	0	0
ACRE-FOOT	0	174.	215.	0	0	0	6.0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FOOT
0.55
395.



STATION F135-R
PLACERITA CREEK at Ridge Route Highway

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'52", LONG. 118°32'34", ON THE RIGHT (EAST) BANK AND ON THE UPSTREAM SIDE OF RIDGE ROUTE HIGHWAY BRIDGE, ABOUT 700 FEET WEST OF RIDGE ROUTE AND HIGHWAY 6 JUNCTION.

DRAINAGE AREA: 40.9 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL, SAND AND GRAVEL WITH BRIDGE PIERS ACTING AS A CONTROL FOR HIGH FLOWS.

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

RECORDER: INSTALLED SEPTEMBER 9, 1947 OVER A 24-INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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

DIVERSIONS: NONE.

RECORDS AVAILABLE: SEPTEMBER 9, 1947 TO SEPTEMBER 30, 1953. FOR PREVIOUS MEASUREMENTS AND RECORDS SEE STAFF GAGE STATION F135-S, NEWHALL CREEK, IN THE LOS ANGELES FLOOD CONTROL DISTRICT FILES.

EXTREMES OF DISCHARGE:

- 1951-52
 - MAXIMUM 6800 SECOND-FEET JANUARY 15.
 - MINIMUM NO FLOW MOST OF YEAR.
- 1952-53
 - MAXIMUM 1050 SECOND-FEET DECEMBER 1.
 - MINIMUM NO FLOW MOST OF YEAR.
- 1947-53
 - MAXIMUM 6800 SECOND-FEET JANUARY 15, 1952.
 - MINIMUM NO FLOW MOST OF EACH YEAR.

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

DISCHARGE MEASUREMENTS OF PLACERITA CREEK
AT Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAY- ING	METH- OD	MEAS. SEC. NO.	S. H. CHANGE TOTAL	METER NO.
31	12-29	1225 1240	LUCE	28.0	17.5	4.08	3.47	70.5			.6 11	+ .01	FC39
32	1-1	0825 0830	"	1.5	0.57	1.78	1.20	1.0			.6 4	0	"
33	1-13	0945 0955	LUCE-BLAKE	20.5	10.4	3.68	1.70	38.3			.6 12	.11	"
34	1-14	0930 0934	" "	7.0	2.10	2.43	1.17	5.1			.5 9	0	"
35	1-17	1080 1080	" "	11.5	6.07	4.04	1.26	24.5			.6 9	0	"
36	1-18	0845 0910	" "	61.0	84.0	7.45	3.10	626.			.6 15	-.03	FC41
37	3-7	0810 0840	" "	57.0	94.1	9.39	3.67	883.			.6 13	+ .02	"
38	3-7	1950 1710	" "	45.5	26.8	4.14	2.62	111.			.6 16	-.07	"
39	3-13	1045 1050	LUCE	2.6	0.58	0.79	1.96	0.46			.6 6	0	"
40	3-15	1115 1145	LUCE-BLAKE	65.0	165.	11.9	4.54	1960.			.6 14	+ .10	"
41	3-15	1325 1355	" "	70.0	182.	10.9	4.56	1980.			.6 15	-.52	"
42	3-16	1010 1040	" "	53.7	41.6	4.86	2.87	202.			.6 19	-.03	"
43	3-18	1445 1455	LUCE	14.5	5.33	2.74	2.24	14.6			.6 10	-.01	"
44	3-20	1435 1440	"	1.9	0.33	1.18	2.03	0.39			.6 5	0	"

DISCHARGE MEASUREMENTS OF PLACERITA CREEK
AT Ridge Route Highway DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAY- ING	METH- OD	MEAS. SEC. NO.	S. H. CHANGE TOTAL	METER NO.
45	4-20	0938 0944	TURNER	12.5	1.59	1.26	2.39	2.0			.6 8	-.02	FC43

FORM 7-C, Dist. 18 8-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1.0	0.1	0	0	0	0	0	0	0
2	0	0	0	+	0.1	0	0	0	0	0	0	0
3	0	0	0	0	0.1	0	0	0	0	0	0	0
4	0	0	0	0	0.1	0	0	0	0	0	0	0
5	0	0	7.1	0	0.1	0	0	0	0	0	0	0
6	0	0	0	+	0.1	0.8	0	0	0	0	0	0
7	0	0	0	3.8	0.1	4.1	2.4	0	0	0	0	0
8	0	0	0	0.1	0.1	8.2	0.7	0	0	0	0	0
9	0	0	0	+	0.1	1.2	0	0	0	0	0	0
10	0	0	0	0	0.1	0.8	+	0	0	0	0	0
11	0	0	0	0	0.1	0.6	0	0	0	0	0	0
12	0	0	0.1	49.1	+	0.6	0	0	0	0	0	0
13	0	0	1.4	12.5	+	0.6	0	0	0	0	0	0
14	0	0	0.1	4.6	0	0.4	0	0	0	0	0	0
15	0	0	+	14.1	0	0.6	0	0	0	0	0	0
16	0	0	0	4.3	0	9.5	0	0	0	0	0	0
17	0	0	0	8.2	0	2.4	0	0	0	0	0	0
18	0	0	0	9.0	0	5.2	0	0	0	0	0	0
19	0	0	0	2.8	0	2.0	0	0	0	0	0	0
20	0	0	0	1.7	0	3.6	0	0	0	0	0	0
21	0	0	0	1.4	0	0.6	0	0	0	0	0	0
22	0	0	0	0.7	0	0.1	0	0	0	0	0	0
23	0	0	0	0.4	0	0.2	0	0	0	0	0	0
24	0	0	0	0.5	0	0.3	0	0	0	0	0	0
25	0	0	0	2.0	0	0.1	0	0	0	0	0	0
26	0	0	0	0.5	0	0.2	0	0	0	0	0	0
27	0	0	0	0	0	+	0	0	0	0	0	0
28	0	0	0	0	0	+	0	0	0	0	0	0
29	0	0	1.8	0	0	+	0	0	0	0	0	0
30	0	0	2.4	0	0	0	0	0	0	0	0	0
31	0	0	1.5	+	0	0	0	0	0	0	0	0
	0	0	64.5	431.7	1.1	1697.1	24.8	0	0	0	0	0
MEAN	0	0	2.09	139.	.038	54.7	0.83	0	0	0	0	0
ACRE- FEET	0	0	129.	8550.	2.2	3370.	49.	0	0	0	0	0

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

YEAR OR PERIOD MEAN 16.7
ACRE-FEET 12100.

FORM G4 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

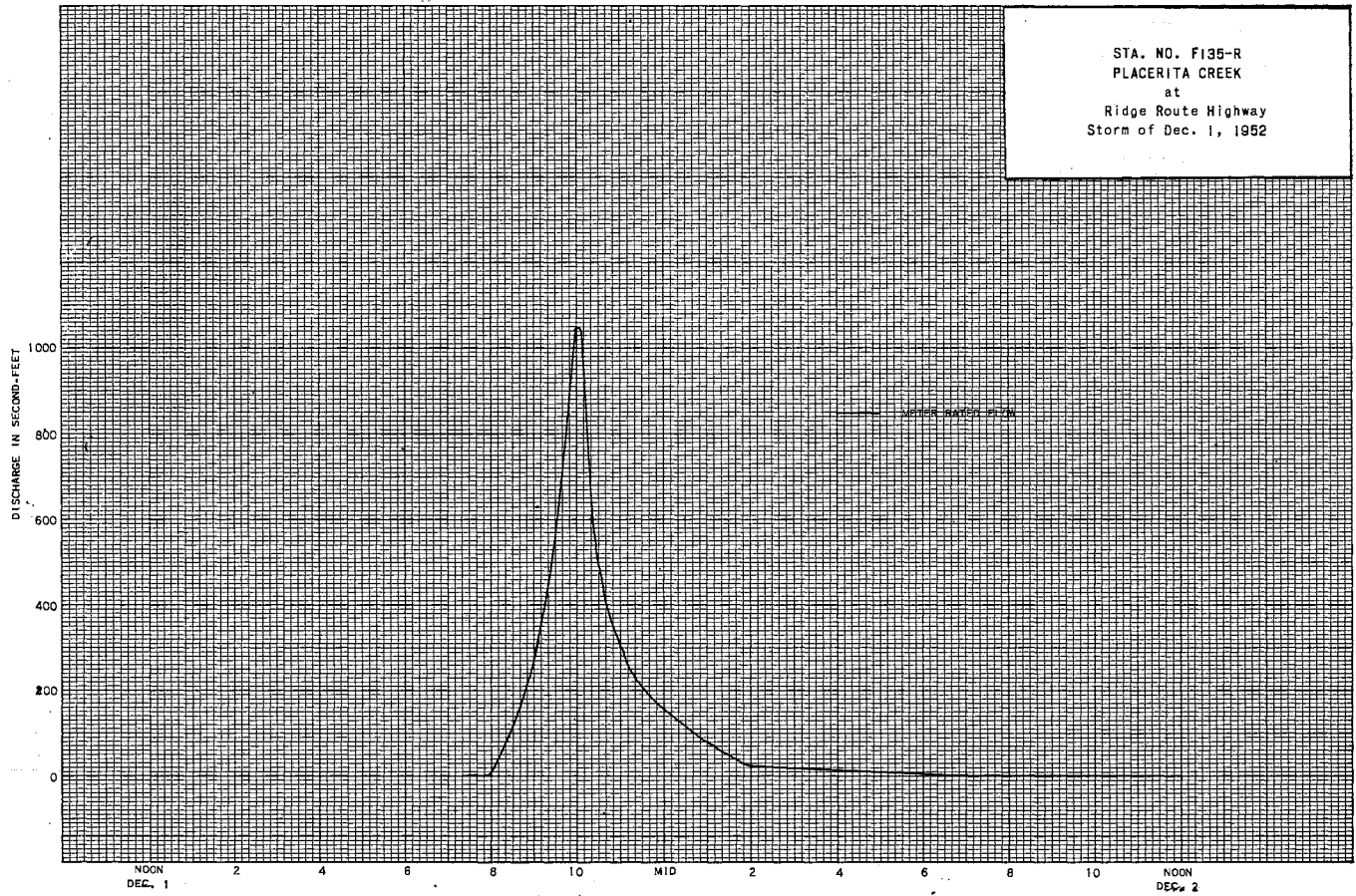
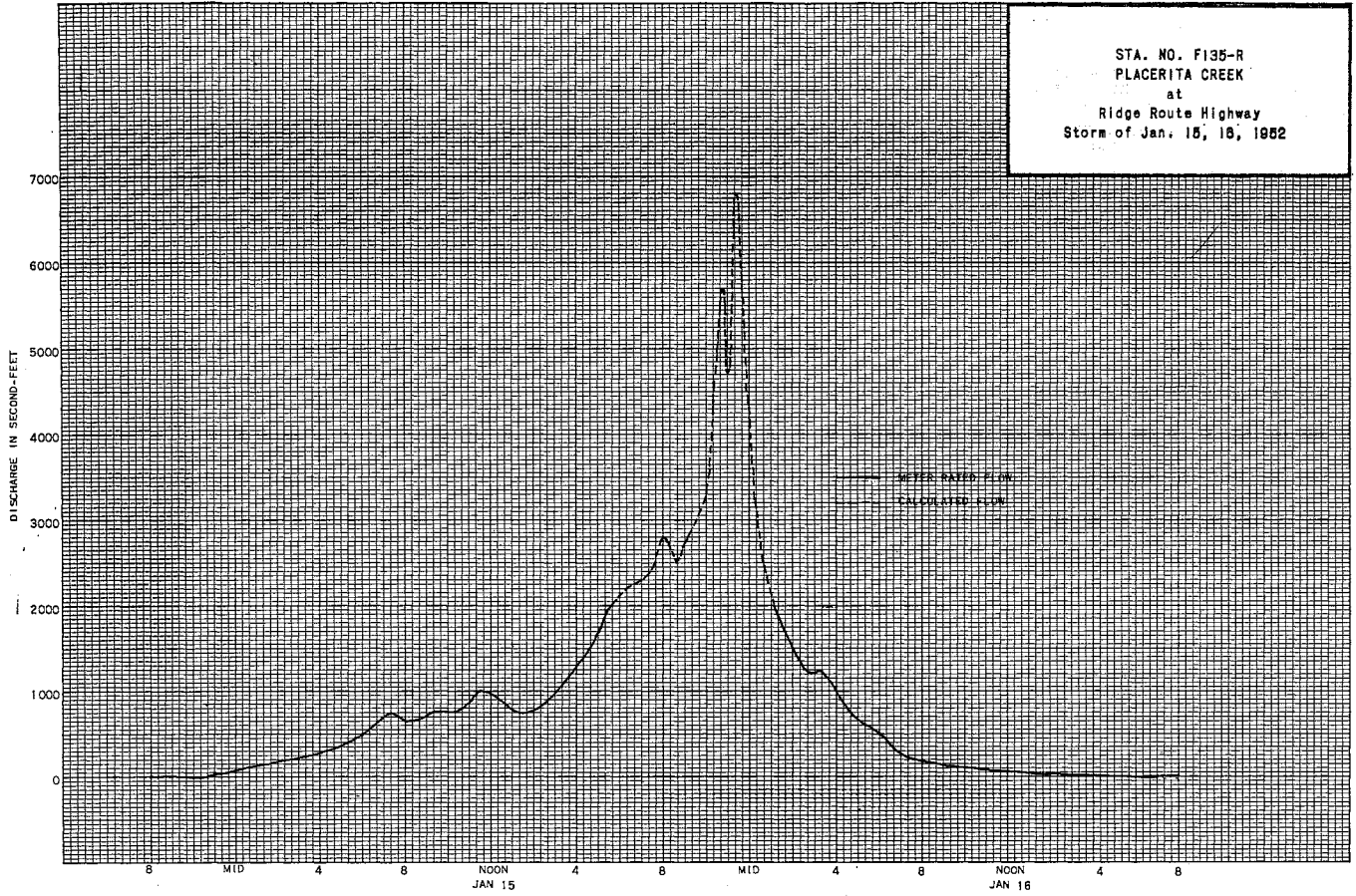
Sta. No. F135-R

Daily discharge, in second-feet of PLACERITA CREEK at Ridge Route Highway for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	7.1	0	0	0	0	0	0	0	0
2	0	0	1.1	0	0	0	0	0	0	0	0	0
3	0	0	1.0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	5.0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	+	0	0	0	0	0	0	0	0	0	0
18	0	0	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	4.5	0	0	0	0.2	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	1.6	0	0	0	1.6	+	0	0	0	0
29	0	0.1	0	0	0	0	0.4	0	0	0	0	0
30	0	2.6	8.9	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	52.7	137.5	5.3	0	0	2.2	+	0	0	0	0
MEAN	0	1.76	4.58	0.17	0	0	0.07	+	0	0	0	0
ACRE- FEET	0	105.	273.	11.	0	0	4.4	+	0	0	0	0

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

YEAR OR PERIOD MEAN 0.54
ACRE-FEET 390.



STATION F40-R
PUDDINGSTONE CREEK below Puddingstone Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'35", LONG. 117°48'38", ON THE RIGHT (EAST) BANK ABOUT 1000 FEET BELOW PUDDINGSTONE DAM NEAR SAN DIMAS. ELEVATION OF ZERO GAGE HEIGHT, 824.80 FEET.

DRAINAGE AREA: 32.3 SQUARE MILES, INCLUDING AREAS CONTROLLED BY SEVERAL DAMS IN THE MOUNTAIN TRIBUTARIES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND PUDDINGSTONE. CONTROL - REINFORCED CONCRETE CIPOLLETTI WEIR WITH A 25-FOOT CREST AND 3-FOOT DEPTH, AND A CIPOLLETTI WEIR NOTCH IN CENTER WITH A 24-INCH CREST AND 18-INCH DEPTH.

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

RECORDER: INSTALLED DECEMBER 28, 1927 IN A CONCRETE HOUSE OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW REGULATED BY PUDDINGSTONE DAM.

DIVERSIONS AND/OR REGULATIONS: SAN DIMAS CREEK, WHICH IS REGULATED BY SAN DIMAS DAM AND PUDDINGSTONE DIVERSION DAM, CAN BE DIVERTED TO PUDDINGSTONE RESERVOIR AT PUDDINGSTONE DIVERSION DAM, METROPOLITAN WATER DISTRICT AQUEDUCT OCCASIONALLY SPILLS FLOW INTO PUDDINGSTONE DIVERSION CHANNEL. SAN DIMAS WATER COMPANY DIVERTS OUTFLOW FROM DAM ABOVE THE STATION. INFLOW PARTIALLY REGULATED BY LIVE OAK DAM.

RECORDS AVAILABLE: DECEMBER 28, 1927 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 12 SECOND-FOOT JANUARY 16,
MINIMUM 0.01 SECOND-FOOT AT VARIOUS TIMES.

1952-53
MAXIMUM 3.7 SECOND-FOOT APRIL 20,
MINIMUM 0.01 SECOND-FOOT OCTOBER 4.

1929-53
MAXIMUM 287 SECOND-FOOT MARCH 4, 1943.
MINIMUM NO FLOW AUGUST 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. DO	MEAN REC. NO.	S. HT. CHAMBE TOTAL	METER NO.
679	10-4	1045 1048	STUNDEN	0.40	0.04	0.50	0.01	0.02					
680	10-25	0950 0953	"	0.80	0.12	0.08	0.01	0.01					
681	12-19	1505 1510	"	0.60	0.05	0.80	0.02	0.04					
682	1-3	1630 1635	"	0.50	0.05	0.80	0.02	0.04					
683	1-20	1332 1337	STUNDEN-CANAVAN	1.5	0.53	0.32	0.13	0.17	.5	4	0		FC36
684	1-24	1000 1005	STUNDEN	1.5	0.54	0.32	0.08	0.17	FLOWS		4	0	
685	1-31	0830 0835	"	1.5	0.48	0.25	0.06	0.12	.5	4	0		FC36
686	2-6	1000 1005	"	1.7	0.51	0.23	0.06	0.12	.5	5	0		FC50
687	2-13	1005 1010	"	1.6	0.49	0.42	0.06	0.21	.5	6	0		
688	2-21	0945 0950	"	0.60	0.10	1.00	0.06	0.10	FLOWS		4	0	
689	2-28	0935 0938	"	0.60	0.10	0.80	0.06	0.08	.5	4	0		FC50
690	3-6	0800	"	2' CIPOLLETTI WEIR			0.06	0.10					
691	3-13	1030	"				0.16	0.43					
692	3-24	1048	"				0.13	0.31					
693	4-2	1150	"				0.12	0.28					
694	4-10	1035	"				0.14	0.35					
695	4-16	1700	"				0.12	0.28					
696	4-24	0920	"				0.15	0.39					
697	5-1	1131 1135	"	1.0	0.24	0.83	0.19	0.20	FLOWS		3	0	
698	5-7	1600 1610	"	1.2	0.43	0.49	0.11	0.21	.6	5	0		FC50
699	5-15	0800 0805	"	1.4	0.49	0.49	0.12	0.24	.5	6	0		
700	5-21	1210 1215	"	1.0	0.40	1.05	0.15	0.42	.5	5	0		
701	6-13	1625	"	2.0	CIPOLLETTI WEIR		0.09	0.18					
702	6-18	1450 1455	"	1.4	0.39	0.18	0.08	0.07	.5	6	0		FC50
703	6-26	1525 1530	"	2.0	0.42	0.17	0.02	0.08	.5	6	0		
704	7-10	0950 0955	"	1.6	0.34	0.15	0.02	0.05	.5	5	0		
705	7-17	1510 1515	"	1.7	0.40	0.20	0.03	0.08	.5	5	0		
706	7-23	0950 0955	"	1.6	0.38	0.24	0.05	0.09	.5	6	0		
707	8-1	1500	"	2.0	CIPOLLETTI WEIR		0.02	0.02					
708	8-7	0900	"	2.0			0.02	0.02					
709	8-14	1700	"	2.0			0.02	0.03					
710	8-21	1215	"	2.0			0.02	0.03					
711	8-27	1150	"	2.0			0.01	0.01					

DISCHARGE MEASUREMENTS OF PUDDINGSTONE CREEK

below Puddingstone Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. DO	MEAN REC. NO.	S. HT. CHAMBE TOTAL	METER NO.
712	10-2	0630	STUNDEN	2.0			0.02	0.02					CIPOLLETTI WEIR
713	10-9	1530 1535	"	1.0	0.35	0.40	0.06	0.14	FLOWS		4	0	
714	10-17	1530	"	2.0			0.02	0.02					CIPOLLETTI WEIR
715	10-23	0920	"	2.0			0.06	0.10					

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INB	METH. DO	MEAN REC. NO.	S. HT. CHAMBE TOTAL	METER NO.
716	10-30	1100	"	2.0			0.04	0.05					
717	11-6	0925 0930	"	1.4	0.37	0.19	0.05	0.07	.5	6			FC50
718	11-12	1220	"	2.0			0.02	0.02					CIPOLLETTI WEIR
719	11-20	1145	"	2.0			0.07	0.12					
720	11-28	1430	"	2.0			0.07	0.12					
721	12-11	1050	WHISLER	2.0			0.04	0.05					
722	12-19	0830	STUNDEN	2.0			0.06	0.10					
723	12-26	0950	"	2.0			0.06	0.10					
724	12-31	0950	"	2.0			0.10	0.21					
725	1-8	0915	"	2.0			0.08	0.15					
726	1-14	0900	"	2.0			0.08	0.15					
727	1-21	1105 1110	"	1.5	0.69	0.83	0.23	0.57	.5	6	0		FC50
728	1-29	0920 0925	"	2.0	0.85	0.62	0.20	0.53	.5	7	0		
729	2-4	1330 1335	"	1.5	0.60	0.77	0.22	0.46	.5	5	0		
730	2-11	0843 0848	"	1.5	0.63	0.89	0.24	0.56	.5	7	0		
731	2-19	0630 0640	"	1.7	0.81	0.88	0.30	0.71	.5	6	0		
732	2-26	0947 0952	"	1.4	0.59	1.08	0.31	0.64	.5	5	0		
733	3-4	0930 0935	"	1.6	0.69	0.76	0.28	0.52	.5	6	0		
734	3-12	0925 0930	"	1.7	0.71	0.77	0.31	0.55	.5	6	0		
735	3-19	0935 0940	"	1.5	0.57	0.88	0.18	0.50	.5	6	0		
736	3-25	0800	"	2.0			0.09	0.18					CIPOLLETTI WEIR
737	4-2	1000	"	2.0			0.09	0.18					
738	4-9	0832 0837	"	1.6	0.81	1.00	0.37	0.82	.5	6			FC50
739	4-16	0635	"	2.0			0.09	0.18					CIPOLLETTI WEIR
740	4-22	1010	"	2.0			0.08	0.15					
741	4-30	0940	"	2.0			0.06	0.10					
742	4-30	0850 0855	"	1.0	0.30	0.33	0.06	0.10	.5	5	0		FC50
743	5-7	0920	"	2.0			0.12	0.28					CIPOLLETTI WEIR
744	5-14	0900	"	2.0			0.03	0.04					
745	5-21	0900	"	2.0			0.03	0.04					
746	5-28	0930	"	2.0			0.04	0.05					
747	6-4	0835	"	2.0			0.01	0.01					
748	6-11	0900	"	2.0			0.04	0.05					
749	6-17	0630	"	2.0			0.04	0.05					
750	6-25	1020	"	2.0			0.04	0.05					
751	7-2	0635	"	2.0			0.04	0.05					
752	7-16	1425	"	2.0			0.04	0.05					
753	7-21	1445 1450	STUNDEN-GODFREY	1.0	0.14	0.36	0.04	0.05	.5	5	0		FC50
754	7-23	1430	STUNDEN	2.0			0.04	0.05					CIPOLLETTI WEIR
755	7-30	0900	"	2.0			0.04	0.05					
756	8-6	1615	WHISLER	2.0			0.03	0.04					
757	8-27	1615 1625	"	1.1	0.12	0.42	0.04	0.05	.5	6	0		FC50
758	9-3	1330 1335	"	1.2	0.18	0.39	0.05	0.07	.5	6	0		
759	9-24	1000	STUNDEN	2.0			0.05	0.06					CIPOLLETTI WEIR

75756M P. C. Dist. 52 9-52

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	0.02	0.02	0.1	0.1	0.1	0.2	0.2	0.1	0.04	0.02	0.1
2	0.002	+	0.003	0.04	0.1	0.1	0.2	0.2	0.1	0.02	0.03	0.1
3	+	+	0.003	0.03	0.1	0.1	0.2	0.3	0.04	0.03	0.03	0.1
4	0.002	+	0.003	0.03	0.1	0.1	0.2	0.3	0.1	0.03	0.03	0.1
5	+	+	0.004	0.02	0.1	0.1	0.2	0.3	0.02	0.03	0.02	0.1
6	+	+	0.002	+	0.1	0.1	0.2	0.3	0.02	0.03	0.02	0.1
7	+	+	0.002	0.03	0.1	0.1	0.2	0.3	0.01	0.03	0.02	0.1
8	+	+	0.002	0.03	0.1	0.1	0.2	0.3	0.005	0.03	0.03	0.04
9	+	+	0.003	+	0.1	0.1	0.2	0.3	0.004	0.03	0.03	0.04
10	+	+	0.003	+	0.1	0.1	0.2	0.3	0.004	0.04	0.02	0.04
11	+	+	0.003	+	0.1	0.1	0.2	0.3	0.1	0.03	0.1	0.04
12	+	+	0.003	1.3	0.2	0.5	0.3	0.2	0.1	0.1	0.2	0.1
13	+	+	0.003	0.3	0.2	0.4	0.3	0.2	0.2	0.1	0.2	0.1
14	+	+	0.002	0.4	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.1
15	+	0.02	0.002	0.4	0.2	0.2	0.3	0.2	0.04	0.1	0.02	0.1
16	+	+	0.002	0.7	0.2	0.1	0.2	0.2	0.1	0.1	+	0.1
17	+	+	0.002	1.1	0.2	0.4	0.2	0.2	0.003	0.1	0.02	0.03
18	+	+	0.002	0.2	0.2	0.3	0.1	0.1	0.04	0.1	+	0.03
19	+	0.02	0.002	0.2	0.1	0.3	0.2	0.2	0.1	0.1	0.02	0.04
20	+	+	0.002	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.02	0.1
21	+	+	0.002	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.02	0.04
22	+	+	0.002	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.03	0.03
23	+	0.02	+	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.03	0.02
24	+	0.02	+	0.2	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.03
25	0.03	0.02	+	0.5	0.03	0.3	0.2	0.04	0.2	0.04	0.1	0.03
26	0.02	0.02	+	0.2	0.03	0.2	0.3	0.02	0.1	0.04	0.02	0.1
27	+	0.02	+	0.2	0.04	0.2	0.3	0.003	0.1	0.1	0.04	0.03
28	+	0.02	+	0.1	0.1	0.2	0.3	0.002	0.04	0.03	0.02	0.03
29	+	0.02	2.1	0.1	0.1	0.2	0.3	0.002	0.04	0.03	0.1	0.02
30	+	0.02	1.7	0.1	0.1	0.2	0.3	0.04	0.03	0.02	0.1	0.04
31	+	0.02	0.2	0.1	0.1	0.2	0.3	0.03	0.02	0.02	0.1	0.04
	0.11		4.56		3.80		8.10		2.80		1.76	
		0.22		9.57		14.60		5.02		2.13		1.93
MEAN	0.004	0.007	.147	0.31	0.131	0.47	0.27	0.162	0.093	0.069	0.06	.064
ACRE-FEET	0.22	0.40	9.04	19.	7.5	29.	16.	10.	5.6	4.2	3.5	3.8

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

YEAR OR PERIOD MEAN ACRE-FEET 0.15 108.

75756M P. C. Dist. 52 9-52

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.02	0.08	0.4	0.1	0.4	0.6	0.2	0.1	0.05	0.05	0.05	0.06
2	0.02	0.1	0.3	0.1	0.4	0.6	0.2	0.1	0.05	0.05	0.05	0.06
3	0.02	0.04	0.08	0.1	0.4	0.5	0.2	0.08	0.03	0.05	0.04	0.07
4	0.01	0.03	0.08	0.08	0.4	0.5	0.2	0.1	0.01	0.05	0.04	0.07
5	0.02	0.03	0.08	0.08	0.5	0.5	0.3	0.1	0.02	0.05	0.04	0.06
6	0.04	0.1	0.08	0.1	0.5	0.5	0.2	0.2	0.03	0.05	0.04	0.06
7	0.06	0.1	0.08	0.3	0.5	0.5	0.2	0.2	0.03	0.05	0.04	0.05
8	0.08	0.1	0.08	0.1	0.6	0.5	0.2	0.1	0.04	0.05	0.04	0.05
9	0.1	0.08	0.08	0.1	0.6	0.6	0.2	0.1	0.04	0.05	0.04	0.05
10	0.08	0.04	0.06	0.1	0.6	0.6	0.5	0.1	0.05	0.05	0.04	0.04
11	0.06	0.02	0.06	0.08	0.6	0.6	0.3	0.06	0.05	0.05	0.04	0.04
12	0.06	0.03	0.06	0.08	0.7	0.5	0.2	0.08	0.05	0.05	0.04	0.04
13	0.06	0.03	0.06	0.1	0.7	0.6	0.2	0.08	0.05	0.05	0.04	0.05
14	0.06	0.1	0.06	0.1	0.7	0.6	0.5	0.06	0.05	0.05	0.04	0.05
15	0.03	0.3	0.06	0.1	0.7	0.6	0.2	0.04	0.05	0.05	0.04	0.06
16	0.02	0.3	0.06	0.08	0.7	0.6	0.1	0.04	0.05	0.05	0.04	0.06
17	0.02	0.2	0.08	0.1	0.6	0.5	0.2	0.04	0.05	0.05	0.04	0.07
18	0.02	0.1	0.08	0.1	0.7	0.7	0.1	0.04	0.05	0.05	0.04	0.07
19	0.02	0.1	0.1	0.7	0.7	0.5	1.0	0.04	0.1	0.05	0.04	0.07
20	0.02	0.1	0.2	0.6	0.7	0.2	3.3	0.04	0.1	0.05	0.04	0.07
21	0.03	0.1	0.2	0.6	0.7	0.2	2.4	0.04	0.05	0.05	0.04	0.08
22	0.04	0.1	0.1	0.5	0.7	0.1	0.9	0.2	0.05	0.05	0.04	0.08
23	0.04	0.1	0.1	0.4	0.7	0.2	0.2	0.04	0.05	0.05	0.04	0.08
24	0.03	0.1	0.1	0.4	0.7	0.2	0.1	0.04	0.05	0.05	0.05	0.08
25	0.03	0.1	0.1	0.4	0.6	0.3	0.1	0.04	0.05	0.05	0.05	0.06
26	0.03	0.1	0.1	0.5	0.6	0.2	0.1	0.04	0.05	0.05	0.05	0.08
27	0.03	0.1	0.1	0.5	0.6	0.2	0.1	0.04	0.05	0.05	0.05	0.07
28	0.03	0.1	0.1	0.5	0.6	0.2	0.1	0.08	0.05	0.05	0.05	0.07
29	0.03	0.1	0.1	0.5	0.6	0.2	0.1	0.1	0.05	0.05	0.05	0.07
30	0.06	0.2	0.2	0.4	0.2	0.2	0.1	0.1	0.05	0.05	0.06	0.07
31	0.06	0.2	0.2	0.5	0.2	0.2	0.2	0.1	0.05	0.05	0.06	0.07
	1.21		3.56		16.9		13.3		1.45		1.36	
		3.08		8.8		12.8		2.52		1.55		1.90
MEAN	.039	.103	0.11	0.28	0.60	0.41	0.44	.081	.048	.050	.044	.063
ACRE- FEET	2.4	6.1	7.1	17.	34.	25.	26.	5.0	2.9	3.1	2.7	3.8

Remarks:

YEAR OR PERIOD MEAN ACRE- FEET 0.19 135.

STATION F280-R
SANTA FE CHANNEL below Santa Fe Dam
(Formerly Rio Hondo Diversion)

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}06'46''$, LONG. $117^{\circ}58'16''$, ON THE LEFT (SOUTH) BANK OF SANTA FE CHANNEL (THE DIVERSION CANAL), 400 FEET DOWN-STREAM FROM THE STILLING BASIN OUTLET AT SANTA FE DAM AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 401.94 FEET.

DRAINAGE AREA: CONTROLLED.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL - CONCRETE APRON 3 FEET WIDE, 10 FEET BELOW STATION.

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

RECORDER: INSTALLED MAY 12, 1944 OVER A 16-INCH DIAMETER IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW REGULATED BY 5 GATED OPENINGS FROM THE STILLING BASIN OUTLET OF SANTA FE DAM TO SANTA FE CHANNEL (RIO HONDO DIVERSION CANAL).

RECORDS AVAILABLE: OCTOBER 1, 1942 TO MAY 12, 1944. FLOW DETERMINED BY GATE OPENINGS AND MEASUREMENTS. RECORDER RECORDS FROM MAY 12, 1944 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 732 SECOND-FEET MARCH 16.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
MAXIMUM 839 SECOND-FEET NOVEMBER 3.
MINIMUM NO FLOW MOST OF YEAR.

1943-53
MAXIMUM 839 SECOND-FEET, NOVEMBER 3, 1952.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF RIO HONDO DIVERSION
below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. NO.	MEAN SEC. NO.	R. CH. TOTAL	METER NO.
59	3-5	0715 0745	STUNDEN	35.0	118	3.33	5.18	393		2 5	13	- .06	FC36
60	3-10	1922	MOON	26.5	41.3	1.95	3.00	80.1		6	15	0	FC22
61	3-11	0900 0915	STUNDEN	26.0	36.2	1.74	2.85	63.0		6	15	0	FC36
62	3-12	2030 2051	STUNDEN-KOCH	26.0	37.4	1.78	2.80	66.6		6	15	0	"
63	3-13	1330 1345	MOON	30.0	62.8	2.39	3.70	150		6	12	- .02	FC22
64	3-14	2033 2100	MOON-WADDICOR	33.0	87.3	3.06	4.35	267		6	12	0	"
65	3-16	0850 0950	STUNDEN-STEWART	29.0	62.8	2.45	3.65	154		6	16	0	FC36
66	3-16	1550 1815	"	38.0	150	3.81	5.72	572		2 8	20	+ .01	"
67	3-16	1820 1845	"	41.0	168	4.60	6.52	773		2 8	13	+ .02	"
68	3-18	1040 1100	MOON	41.0	164	4.06	6.40	666		6	14	0	FC22

DISCHARGE MEASUREMENTS OF SANTA FE CHANNEL (Rio Hondo Diversion)
below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. NO.	MEAN SEC. NO.	R. CH. TOTAL	METER NO.
69	10-14	1710 1735	STUNDEN-DE MARS	27.5	46.5	1.80	3.26	83.8		5 5	19	0	FC36
70	10-14	2004 2042	"	32.0	77.6	2.75	4.23	214		5 5	17	-.05	"
71	10-14	2210 2300	"	34.0	97.1	3.11	4.76	302		5 5	19	0	"
72	10-15	0850	"	33.0	95.4	3.40	4.81	323		FLOATS	10	0	
73	10-15	0953 1018	BLAKELY-KASIMOFF	35.0	99.2	3.14	4.82	311		2 5 5	10	0	FC24
74	10-16	0850 0915	STUNDEN	37.0	123	3.94	5.63	485		FLOATS	14	-.04	
75	10-16	1083 1101	STUNDEN-KASIMOFF	38.5	145	3.96	6.12	572		2 5 5	15	+ .03	FC36
76	10-16	1324	"	38.5	146	3.86	6.14	562		2 5 5	18	0	"
77	10-26	1845 1825	STUNDEN-WHISLER	31.0	71.2	2.60	4.00	186		2 5 5	15	0	"
78	10-28	0700 0820	"	43.5	185	4.27	7.10	790		2 5 5	24	+ .02	"
79	10-29	0827 0904	STUNDEN-BLAKELY	44.0	191	4.24	7.26	809		2 5 5	16	0	FC24

FD-724 (Rev. 7-0-58) Dist. 58 4-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of RIO HONDO DIVERSION below Santa Fe Dam for the year ending September 30, 19 52

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	71	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	25	0	0	0	0	0	0
11	0	0	0	0	0	29	0	0	0	0	0	0
12	0	0	0	0	0	12	0	0	0	0	0	0
13	0	0	0	0	0	51	0	0	0	0	0	0
14	0	0	0	0	0	40	0	0	0	0	0	0
15	0	0	0	0	0	225	0	0	0	0	0	0
16	0	0	0	0	0	274	0	0	0	0	0	0
17	0	0	0	0	0	41	0	0	0	0	0	0
18	0	0	0	0	0	381	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1149	0	0	0	0	0	0

MEAN	0	0	0	0	0	37.1	0	0	0	0	0	0
ACRE-FOOT	0	0	0	0	0	2280.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 3.15
ACRE-FOOT 2280.

FD-724 (Rev. 7-0-58) Dist. 58 4-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F280-R

Daily discharge, in second-feet of SANTA FE CHANNEL (RIO HONDO DIVERSION) below Santa Fe Dam for the year ending September 30, 19 53

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	372	0	0	0	0	0	0	0	0	0	0
3	0	472	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	67	0	0	0	0	0	0	0	0	0	0	0
15	289	0	0	0	0	0	0	0	0	0	0	0
16	480	0	11	0	0	0	0	0	0	0	0	0
17	333	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	11	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	592	0	0	0	0	0	0	0	0	0	0	0
29	819	0	0	0	0	0	0	0	0	0	0	0
30	450	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	3041	844	11	0	0	0	0	0	0	0	0	0

MEAN	98.1	28.1	0.36	0	0	0	0	0	0	0	0	0
ACRE-FOOT	6030.	1670.	22.	0	0	0	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 10.7
ACRE-FOOT 7720.

STATION F192-R
RIO HONDO at Lower Azusa Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°05'33", LONG. 116°01'52", ON THE DOWN-STREAM SIDE OF THE LOWER AZUSA ROAD BRIDGE, ABOUT 1.5 MILES NORTH OF EL MONTE. ELEVATION OF ZERO GAGE HEIGHT, 285.37 FEET.

DRAINAGE AREA: 40.9 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

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

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

RECORDER: INSTALLED MARCH 29, 1932 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, ALSO SPILLWAY AND DIVERSION AT SANTA FE DAM.

DIVERSIONS: THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE:
FEBRUARY 22, 1932 TO MARCH 29, 1932 - STREAM MEASUREMENTS ONLY.
RECORDER RECORDS FROM MARCH 29, 1932 TO SEPTEMBER 30, 1953. (FOR RECORDS PRIOR TO MARCH 29, 1932, SEE STATE DIVISION OF WATER RIGHTS BULLETIN.)

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 2180 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 944 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW FOR MOST OF YEAR.
1932-53
MAXIMUM 31,000 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW MOST OF YEAR FOR SEVERAL YEARS.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF RIO HONDO
AT Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. CO	MEAN SEC. NO.	HT. CHANGE TOTAL	METER NO.
656	12-30	1435 1435	WADDICOR-VAN BUREN	50.0	51.0	5.30	3.86	270.		.6	11	-.10	FC37
657	1-12	1748 1601	LANG-PAYNE	23.0	27.4	5.70	3.60	156.		.6	11	-.16	FC12
658	1-13	1027 1035	WADDICOR-PAYNE	5.0	1.44	1.39	2.18	2.0		.5	6	0	FC37
659	1-15	1018 1025	WADDICOR-VAN BUREN	6.0	4.18	0.69	2.31	2.9		.6	5	0	"
660	3-1	1040 1048	"	12.3	6.42	1.43	2.57	9.2		.6	8	-.03	"
661	3-7	1425 1433	"	23.5	21.7	2.94	2.72	63.8		.6	8	-.02	"
662	3-15	1305 1322	"	TWO	CHANNELS		3.88	392		.6	12	0	"
663	3-17	1505 1515	WADDICOR	21.5	7.90	1.28	1.82	10.1		.6	12	-.02	"
664	4-8	1335 1345	"	14.0	5.00	1.82	1.22	9.1		.6	8	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO
AT Lower Azusa Road DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. CO	MEAN SEC. NO.	HT. CHANGE TOTAL	METER NO.
665	10-15	1119 1130	BLAKELY-KASIMOFF	43.5	39.5	3.92	2.52	155.		.6	12	0	FC24
666	10-15	1525 1532	"	24.0	8.40	2.20	1.61	18.5		.5	10	-.06	"
667	10-15	1545 1600	WADDICOR-THOMAS	CHANNELS			3.28	447.		.6	13	+.01	FC37
668	10-17	1315 1345	"	"			3.12	429.		.6	15	+.01	"
669	10-28	0630 0700	WADDICOR-HYDE	46.0	63.4	4.24	2.54	269.		.6	12	+.12	"
670	10-28	0830 0850	"	CHANNELS			3.45	570.		.6	16	+.04	"
671	10-28	1335 1435	"	73.0	125.	4.90	3.68	613.		.6	18	-.03	"
672	10-29	0922 1018	WADDICOR	CHANNELS			3.49	798.		.6	20	-.02	"
673	10-30	0912 0940	"	64.0	142.	5.30	3.03	759.		.6	15	0	"
674	11-2	1635 1700	WADDICOR-WHISLER	63.0	131.	5.79	2.63	759.		.6	15	0	"
675	11-2	1712 1725	"	64.0	129.	5.10	2.63	653.		.6	9	0	"
676	11-3	1315 1332	"	66.0	175.	4.37	2.56	767.		.6	10	-.02	"
677	11-14	1445 1456	WADDICOR	20.0	23.8	1.60		38.1		.6	8		"
678	12-23	0935 0945	WADDICOR-ROBINSON	37.0	15.8	2.86	4.03	45.1		.6	10	-.07	"

FD-147 F. C. Div. 28 8-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192-R

Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.5	0	0	3.8	0	0				
2	0	0	0.5	0	0	0	0	0				
3	0	0	0	0	0	0	0	0				
4	0	0	2.2	0	0	0	1.5	0				
5	0	0	7.8	0	0	0	0	0				
6	0	0	0	0	0	1.4	0	0				
7	0	0	0	0	0	22.8	24	0				
8	0	0	0	0	0	0	8.8	0				
9	0	0	0	0	0	0	9.4	0				
10	0	0	0	0	0	0	1.8	0				
11	0	0	6.5	0	0	0	0	0				
12	0	0	16	a 5.7	0	1.0	0	0				
13	0	0	0	10	0	2.2	0	0				
14	0	0	0	22	0	1.1	0	0				
15	0	0	0	24.1	0	2.8	2.1	0				
16	0	0	0	75.3	0	22.9	0	0				
17	0	0	0	46.0	0	1.6	0	0				
18	0	0	0	36.9	0	2.0	0	0				
19	0	2.0	0	0	0	0	3.5	0				
20	0	1.3	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	1.1	0	0	0	0	0	0	0				
26	0	0	0	0	0	0	0	0				
27	0	0	0	0	0	0	0	0				
28	0	0	0	0	0	0	0	0				
29	0	0	0	0	1.1	0	0	0				
30	0	0	a 1.0	0	0	0	0	0				
31	0	0	a 3.7	0	0	0	0	0				
	11.0	21.3	170.5	1912.0	11.0	972.7	98.8	0				0

MEAN	0.35	0.71	5.5	61.7	0.38	31.4	3.29	0				0
ACRE-FOOT	22.	42.	338.	3790.	22.	1930.	196.	0				0

Remarks:

YEAR OR PERIOD MEAN ACRES-FOOT 8.74 6340.

FD-147 F. C. Div. 28 8-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F192-R

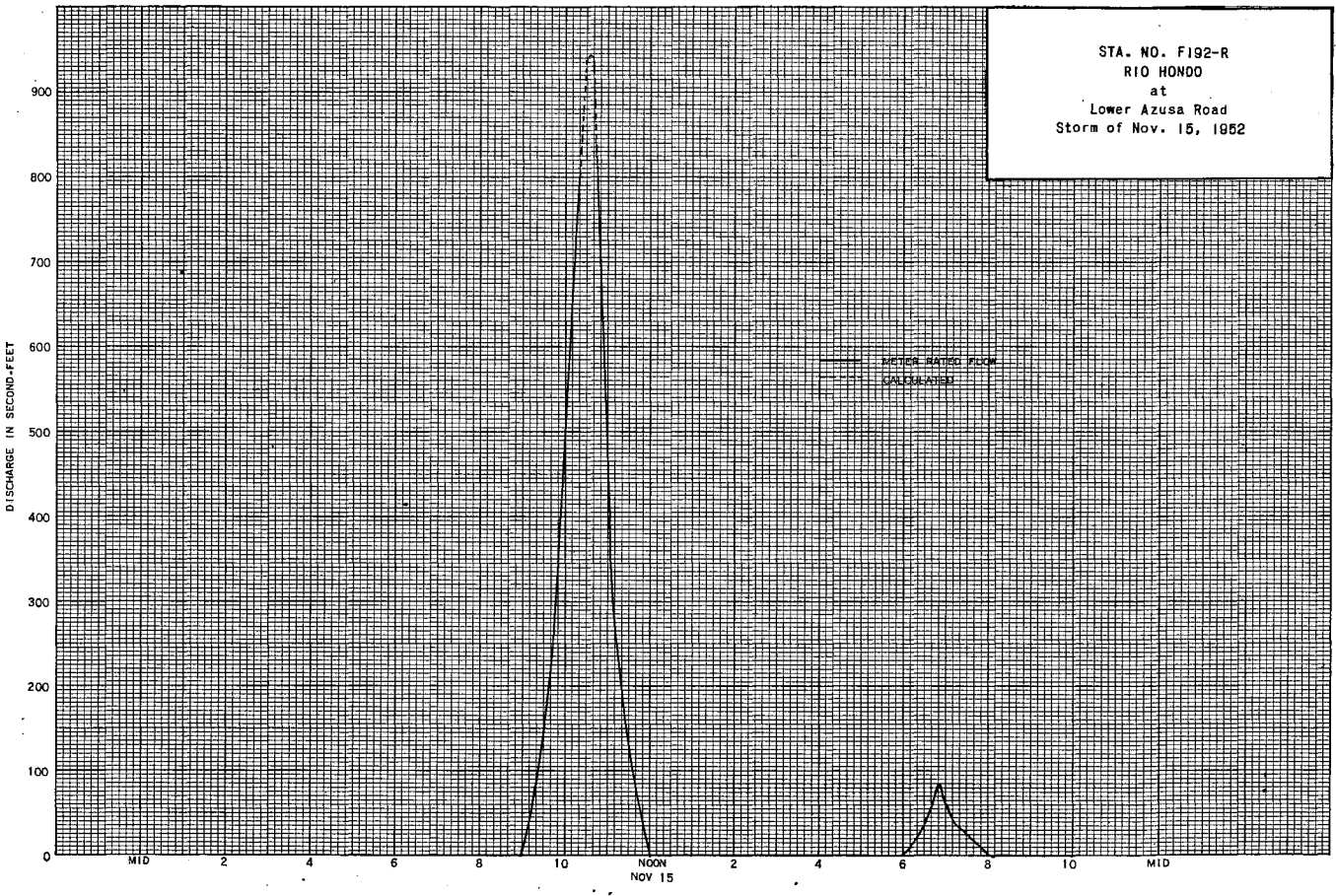
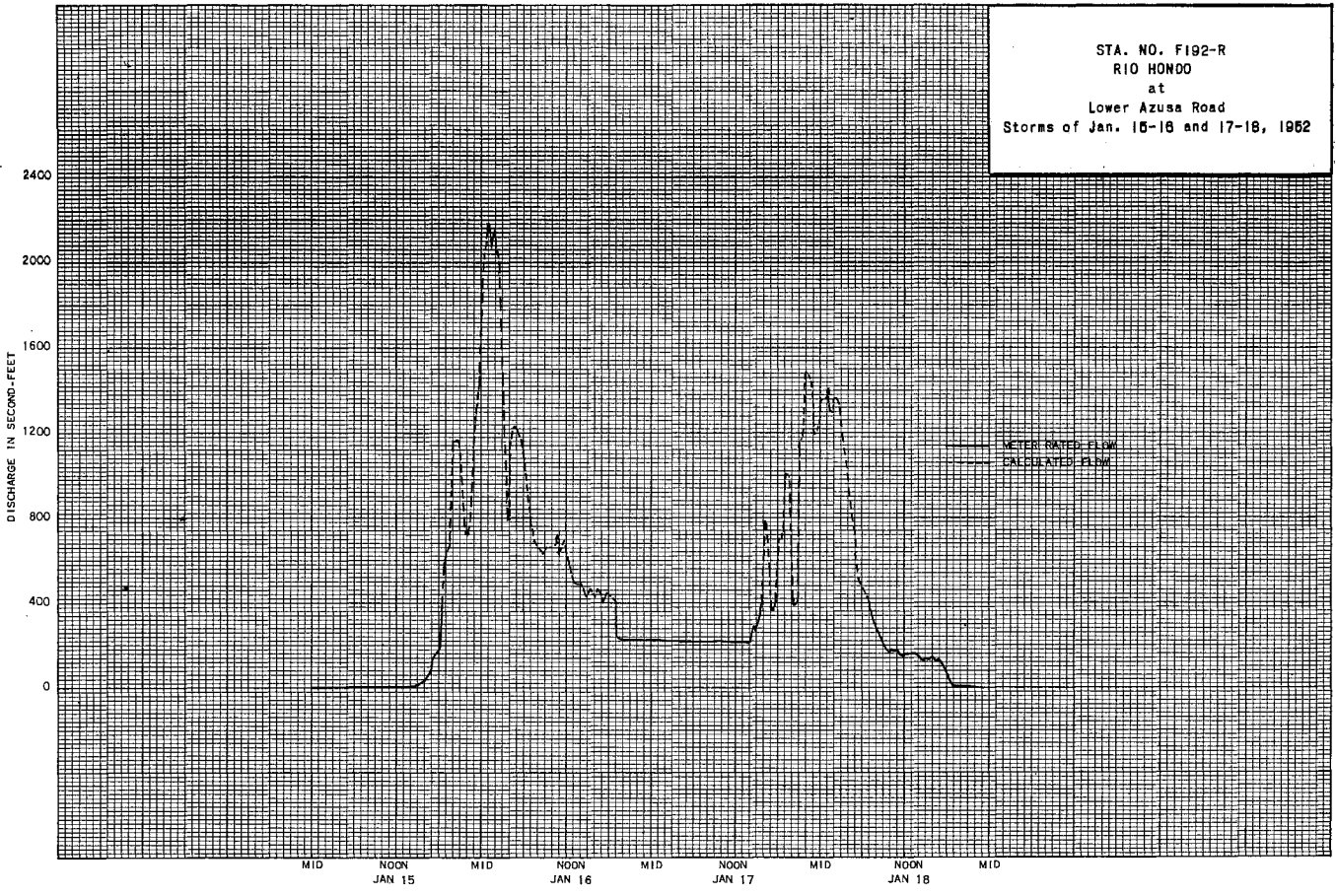
Daily discharge, in second-feet of RIO HONDO at Lower Azusa Road for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	4.1	0	0	+	0	0	0	0	0	0
2	0	2.6	0.9	0	0	0	0	0	0	0	0	0
3	0	4.4	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	+	0	0	0	0	0	0	0	0
7	0	0	0	+	0	0	0	0	0	0	0	0
8	0	0	0	+	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	4.3	1.5	0	0	0	0	0	0	0	0	0	0
15	11.9	6.2	0	0	0	0	0	0	0	0	0	0
16	3.3	0	0	0	0	0	0	0	0	0	0	0
17	2.8	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	+	0	0	0	0	0	0
20	0	0	6.7	0	0	0	0	0	0	0	0	0
21	0	+	0	0	0	0	0	0	0	0	0	0
22	0	+	0	0	0	0	0	0	0	0	0	0
23	0	+	0	0	+	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	+	0	0	0	0	0
28	4.3	+	0	0	+	0	0	0	0	0	0	0
29	7.8	0	+	0	0	0	0	0	0	0	0	0
30	4.3	+	+	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	24.0	3	108.9	+	+	+	+	0	0	0	0	0

MEAN	77.0	26.0	3.51	+	+	+	+	0	0	0	0	0
ACRE-FOOT	4760.	1570	216.	+	+	+	+	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRES-FOOT 9.04 6550.



STATION F64-R
RIO HONDO above Mission Bridge

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'57", LONG. 118°04'18" ON THE RIGHT (WEST) BANK APPROXIMATELY 1000 FEET ABOVE MISSION (SAN GABRIEL BOULEVARD) AND 2 MILES NORTHEAST OF MONTEBELLO. THIS SUPPLEMENTS THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS AT MISSION BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 194.63.

DRAINAGE AREA: 115 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR 60 FEET BELOW STATION.

RECORDER: INSTALLED IN JULY 1928, REMOVED ABOUT 10 P.M. MARCH 2, 1938. REINSTALLED ON MARCH 6 AT A TEMPORARY STATION F64B-R ON MISSION BRIDGE. REMOVED ON MARCH 26, 1938. REINSTALLED AT STATION F64-R IN A 48-INCH DIAMETER CORRUGATED IRON PIPE WHICH SERVES BOTH AS A STILLING WELL AND SHELTER HOUSE. A STEVENS TYPE A-35 CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, LAS FLORES AND RUBIO DEBRIS BASINS, AND SANTA FE DAM.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING GROUNDS.

RECORDS AVAILABLE: JULY 1928 TO SEPTEMBER 30, 1953. (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:

1981-82
MAXIMUM 8980 SECOND-FOOT JANUARY 17.
MINIMUM 1.8 SECOND-FOOT OCTOBER 7.
1952-53
MAXIMUM 5330 SECOND-FOOT NOVEMBER 15.
MINIMUM 2.5 SECOND-FOOT AUGUST 7.
1928-53
MAXIMUM 28000 SECOND-FOOT, ESTIMATED MARCH 2, 1928.
MINIMUM 1.6 SECOND-FOOT SOME DAYS IN OCTOBER 1951.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF RIO HONDO
above Mission Bridge
DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. ING	MEAN. REG. NO.	D. HY. CHANGE TOTAL	METER NO.
1448	10-4	0830 0840	WADDICOR	10.0	3.27	0.73	2.53	2.4	.5	9	0	FC37
1449	10-11	0845 0855	"	10.0	3.29	0.82	2.53	2.7	.5	9	0	"
1450	10-18	0854 0854	"	12.5	5.31	0.53	2.55	2.8	.5	8	0	"
1451	10-25	0845 0900	"	43.0	29.6	1.57	3.09	46.4	.6	11	-.06	"
1452	11-1	0852 0902	"	7.2	2.23	1.52	2.41	3.4	.5	8	0	"
1453	11-8	0839 0847	WADDICOR-HOLLERON	7.5	2.16	1.57	2.40	3.4	.5	7	0	"
1454	11-15	0835 0845	WADDICOR	6.0	2.35	1.57	2.43	3.7	.5	8	0	"
1455	11-20	0713 0728	WADDICOR-VAN BUREN	70.0	131	3.72	4.50	488	.6	9	-.10	"
1456	11-20	0730 0745	"	70.0	108	3.07	4.21	332	.6	9	-.48	"
1457	11-20	1352 1407	"	TWO CHANNELS		3.50	155		.6	10	+.16	"
1458	11-20	1417 1417	"	65.0	75.5	2.53	3.63	191	.6	9	-.05	"
1459	11-23	0904 0914	WADDICOR	TWO CHANNELS		2.39	5.0		.6	11	0	"
1460	11-29	0830 0840	"	13.5	6.31	0.78	2.40	4.9	.5	9	0	"
1461	12-4	2230 2255	WADDICOR-VAN BUREN	80.0	152	4.07	4.85	618	.6	9	+.30	"
1462	12-4	2325 2325	"	80.0	172	4.46	5.07	767	.6	9	-.14	"
1463	12-5	1030 1040	"	24.5	18.7	1.33	2.68	24.8	.6	8	-.01	"
1464	12-6	0900 0912	WADDICOR	12.0	4.35	1.40	2.40	6.1	.6	9	0	"
1465	12-12	1000 1015	WADDICOR-VAN BUREN	54.0	55.1	2.72	3.35	150	.6	7	-.05	"
1466	12-12	1022 1032	"	45.0	45.6	2.41	3.26	111	.6	7	-.08	"
1467	12-13	0833 0843	WADDICOR	17.5	9.31	0.92	2.55	8.6	.6	8	0	"
1468	12-19	0835 0845	WADDICOR-VAN BUREN	50.0	58.5	2.31	3.44	135	.6	7	-.02	"
1469	12-19	1610 1620	WADDICOR	20.0	7.80	1.20	2.62	9.4	.6	8	0	"
1470	12-20	0910 0920	"	19.5	5.44	1.05	2.49	5.7	.5	9	0	"
1471	12-27	0853 0920	"	18.5	5.38	0.98	2.46	5.3	.5	8	0	"
1472	12-29	0920 0940	WADDICOR-VAN BUREN	80.0	210	5.28	5.47	1110	.6	9	+.15	"
1473	12-29	1016 1028	"	82.0	251	6.34	5.64	1590	.6	10	+.04	"
1474	12-30	0758 0810	"	70.0	144	4.11	4.55	592	.6	9	-.19	"
1475	12-31	1012 1022	"	15.0	7.02	1.75	2.54	12.3	.6	7	+.01	"
1476	1-3	1003 1013	WADDICOR	15.0	5.41	1.29	2.40	7.0	.6	10	0	"
1477	1-7	0155 0220	WADDICOR-VAN BUREN	90.0	252	5.00	4.63	1260	.6	9	+.22	"
1478	1-7	1131 1131	"	15.0	11.4	2.14	2.75	24.4	.6	7	-.04	"
1479	1-10	0805 0815	WADDICOR	14.0	5.56	1.17	2.46	6.5	.6	9	0	"
1480	1-12	1440 1455	LANG	66.0	110	4.30	4.28	474	.6	13	+.33	FC12
1481	1-12	1530 1530	LANG-PAYNE	66.0	120	4.27	4.85	514	.6	9	+.30	"
1482	1-12	1545 1600	"	72.0	176	7.78	5.60	1370	.6	9	+.50	"
1483	1-12	2055 2130	"	88.0	300	7.76	6.16	2330	.6	10	-.43	"
1484	1-12	2140 2140	"	88.0	281	6.80	6.02	1910	.6	10	+.05	"
1485	1-15	1305 1325	WADDICOR-VAN BUREN	65.0	86.8	2.82	3.71	245	.6	12	-.08	FC37
1486	1-15	1530 1545	"	70.0	126	3.71	4.25	467	.6	9	+.20	"
1487	1-15	1630 1655	"	76.0	179	5.29	5.05	947	.6	10	0	"
1488	1-15	2022 2130	"	125	436	10.2	6.92	4480	.6	11	-.25	"
1489	1-16	0854 0854	"	81.0	245	4.57	4.50	1120	.6	9	0	"
1490	1-16	0897 0897	"	81.0	235	4.54	4.40	090	.6	9	0	"
1491	1-16	1414 1430	"	71.0	189	4.41	4.10	746	.6	9	0	"
1492	1-16	1435 1450	"	71.0	158	4.50	4.05	711	.6	9	0	"

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. ING	MEAN. REG. NO.	D. HY. CHANGE TOTAL	METER NO.
1493	1-17	0855 0810	"	69.0	77.9	2.32	2.85	181	.6	9	0	"
1494	1-17	1930 2022	"	141	578	11.3	8.17	8530	.6	12	+.18	"
1495	1-18	1403 1418	"	100	156	3.20	3.76	500	.6	12	+.03	"
1496	1-19	1120 1158	WADDICOR	97.0	88.6	2.84	3.08	252	.6	12	0	"
1497	1-20	1055 1055	WADDICOR-VAN BUREN	41.0	45.6	2.28		104	.6	6	0	"
1498	1-25	0743 0800	"	96.0	98.4	2.50	2.80	236	.6	12	-.05	"
1499	1-30	1400 1425	LANG	32.5	10.0	1.25		12.5	.5	6	18	FC12
1500	2-7	0845 0855	WADDICOR	17.5	7.29	1.37		10.0	.6	10		FC37
1501	2-14	0837 0852	"	17.0	7.32	1.15		8.4	.6	10		"
1502	2-21	0847 0847	"	16.5	6.43	1.15	1.98	7.4	.6	11	0	"
1503	2-28	0830 0847	"	16.3	6.79	1.08	1.97	7.3	.5	8	12	0
1504	2-29	1800 1830	"	100	161	4.99	3.53	804	.6	12	-.01	"
1505	3-1	0825 0857	WADDICOR-VAN BUREN	96.0	86.7	3.10	3.10	269	.6	16	+.61	"
1506	3-6	0857 0857	WADDICOR	13.0	6.19	1.23	1.97	7.6	.5	6	9	0
1507	3-7	0205 0232	WADDICOR-VAN BUREN	104	364	7.44	5.40	2710	.6	13	-.10	"
1508	3-7	0542 0610	"	108	423	9.22	6.25	3800	.6	13	-.20	"
1509	3-7	1135 1157	"	104	334	7.70	5.41	2570	.6	13	-.18	"
1510	3-8	1418 1418	"	26.0	14.9	1.15	2.32	17.1	.6	10	0	"
1511	3-14	0816 0825	WADDICOR	37.5	10.4	1.14	2.15	11.9	.6	11	0	"
1512	3-15	0908 0923	WADDICOR-VAN BUREN	102	228	5.83	4.07	1330	.6	13	-.15	"
1513	3-15	1610 1630	"	104	283	6.90	4.67	1950	.6	13	-.15	"
1514	3-15	2022 2022	"	105	378	7.54	5.20	2850	.6	13	-.31	"
1515	3-17	1310 1310	WADDICOR	50.0	34.1	1.85	2.64	63.2	.6	14	0	"
1516	3-19	1110 1122	"	34.0	23.0	1.92	2.47	44.2	.6	11	0	"
1517	3-27	1010 1020	"	31.0	10.4	1.33		13.8	.6	10		"
1518	4-3	0822 0835	"	25.0	7.90	1.06	2.11	8.4	.5	12	0	"
1519	4-10	0848 0848	"	25.0	10.9	1.46	2.32	15.9	.6	10	0	"
1520	4-10	1635 1655	"	100	130	3.11	3.44	404	.6	12	+.04	"
1521	4-17	0755 0805	"	13.0	5.87	1.35	2.17	7.9	.5	10	0	"
1522	4-19	1726 1741	WADDICOR-VAN BUREN	101	180	5.56	3.70	1000	.6	12	-.04	"
1523	4-24	0840 0850	WADDICOR	TWO CHANNELS		2.24	7.8		.5	14	0	"
1524	5-1	0910 0920	"	21.0	8.12	1.01	2.21	8.2	.5	11	0	"
1525	5-8	0858 0908	"	14.0	5.33	1.39	2.17	7.4	.5	10	0	"
1526	5-15	0825 0835	"	15.0	5.30	1.32	2.17	7.0	.5	9	0	"
1527	5-22	0836 0846	"	15.0	5.09	1.16	2.14	5.9	.5	9	0	"
1528	5-29	0650 0700	"	14.0	4.00	1.42	2.12	5.7	.5	8	0	"
1529	6-5	0848 0858	"	18.5	5.16	1.18	2.12	5.6	.5	11	0	"
1530	6-12	0900 0910	"	18.0	5.21	1.11	2.03	5.8	.5	11	0	"
1531	6-19	0843 0853	"	20.0	5.42	0.90	2.01	4.9	.5	10	0	"
1532	6-26	0849 0900	"	16.0	4.92	1.06	2.03	5.2	.5	11	0	"
1533	7-3	0838 0848	"	15.4	4.25	1.13	2.00	4.8	.5	10	0	"
1534	7-10	0853 0903	"	15.0	4.40	1.04	1.99	4.6	.5	9	0	"
1535	7-17	0845 0855	"	14.0	3.92	1.22	1.97	4.8	.5	9	0	"
1536	7-24	0858 0858	"	14.7	3.83	1.12	1.97	4.3	.5	10	0	"
1537	7-31	0842 0842	"	13.7	3.72	1.05	1.97	3.9	.5	9	0	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1538	8-7	0835 0845	"	12.7	4.12	1.00	2.01	4.1		5	8	0	"
1539	8-14	0824 0846	LANG-WADDICOR	17.8	5.42	1.07	2.07	5.8		5	16	0	"
1540	8-21	0818 0838	LANG	9.4	4.26	1.27	2.05	5.4		5	14	0	FC12
1541	8-28	0825 0850	"	13.1	3.93	1.14	2.03	4.5		5	16	0	"
1542	9-4	0850 0900	WADDICOR	12.0	3.42	1.11	2.02	3.8		5	9	0	FC37
1543	9-11	0833 0844	WADDICOR-DE MARS	10.7	3.44	1.08	2.06	3.7		6	10	0	"
1544	9-18	0832 0842	WADDICOR	11.0	3.52	1.14	2.07	4.0		5	11	0	"
1545	9-25	0850 0900	"	10.0	3.91	1.12	2.07	4.4		5	10	0	"

DISCHARGE MEASUREMENTS OF RIO HONDO
above Mission Bridge DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1546	10-2	0827 0832	WADDICOR	11.2	3.94	1.17	2.09	4.6		5	9	0	FC37
1547	10-9	0850 0900	"	10.9	3.67	1.25	2.05	4.6		6	10	0	"
1548	10-15	1310 1330	BLAKELY-KASIMOFF	87.0	68.4	1.75	3.18	120.		6	21	+0.2	FC24
1549	10-16	1045 1133	BONDI-MAN-DE MARS	97.0	107.	1.66	3.27	177.		6	16	0	FC19
1550	10-16	1445 1455	"	100.	150.	2.49	3.75	374.		6	12	0	"
1551	10-16	1734 1754	"	100.	148.	2.47	3.76	358.		6	12	0	"
1552	10-17	1250 1340	"	100.	134.	2.99	3.79	401.		6	13	-0.2	"
1553	10-17	1359 1408	"	100.	136.	3.15	3.80	428.		6	13	0	"
1554	10-17	1450 1505	WADDICOR-THOMAS	100.	147.	2.82	3.80	416.		6	12	0	FC37
1555	10-20	0830 0840	WADDICOR	9.3	4.23	1.35	2.12	5.7		6	8	0	"
1556	10-23	1150 1200	"	8.0	3.29	1.37	2.10	4.5		6	9	0	"
1557	10-28	1155 1240	WHISLER-DE MARS	101.	180.	3.28	4.06	591.		6	16	+0.5	FC5
1558	10-28	1420 1444	BONDI-MAN-DE MARS	100.	183.	3.77	4.12	690.		6	13	0	FC19
1559	10-28	1530 1535	WADDICOR-HYDE	102.	192.	3.33	4.16	638.		6	12	0	FC37
1560	10-29	0830 1034	BONDI-MAN	100.	186.	4.17	4.22	775.		6	13	-0.1	FC46
1561	10-29	1241 1300	BONDI-MAN-DE MARS	100.	186.	4.09	4.25	760.		6	13	0	FC19
1562	10-29	1327 1342	BONDI-MAN	100.	182.	4.01	4.24	730.		6	13	-0.1	"
1563	10-29	1448 1512	WADDICOR-BONDI-MAN	102.	183.	3.73	4.21	682.		6	15	-0.2	FC27
1564	10-29	1514 1546	"	132.	192.	3.66	4.21	703.		6	15	0	"
1565	10-30	1039 1059	WADDICOR	101.	178.	3.84	4.22	684.		6	13	-0.2	"
1566	11-1	1142 1152	WADDICOR-WHISLER	16.	8.76	0.76	2.41	6.7		6	9	0	"
1567	11-3	0808 0837	"	102.	176.	4.06	4.31	714.		6	14	+0.1	"
1568	11-3	0842 1000	"	102.	180.	3.90	4.31	703.		6	11	-0.1	"
1574	11-15	1125 1135	"	111.	382.	7.85	6.55	3000	F	GAUGES	9	-1.30	"
1575	11-15	1513 1540	"	100.	150.	2.62	3.78	392.		6	11	+4.5	FC37
1576	11-16	0842 0852	"	14.	10.0	1.71	2.58	17.1		6	9	0	"
1577	11-20	1030 1050	"	14.	5.62	1.10		6.2		6	9	0	"
1578	11-26	1105 1120	"	18.5	6.28	0.95	2.20	6.60		6	10	0	"
1579	12-1	2015 2035	WADDICOR-ROBINSON	100.	193.	4.80	4.27	926.		6	11	+0.5	"
1580	12-1	2210 2227	"	107.	519.	10.2	6.80	5320.		6	9	0	"
1581	12-2	0805 0825	"	18.	15.0	1.37	2.45	20.6		6	10	-0.1	"
1582	12-4	0850 0900	WADDICOR	14.	4.81	1.25	2.42	6.0		6	9	0	"
1583	12-11	0812 0842	"	12.7	7.40	1.14	2.21	8.4		6	10	0	"
1584	12-18	0842 0858	"	13.0	7.56	0.97		7.4		6	12	0	"
1585	12-20	0712 0732	WADDICOR-ROBINSON	104.	290.	6.97	5.20	2140.		6	12	0	"
1586	12-26	0815 0825	WADDICOR	14.0	6.40	1.45	2.15	9.3		6	10	0	"
1587	12-30	1748 1805	WADDICOR-WHISLER	101.	153.	4.32	3.88	662.		6	12	-0.22	"
1588	12-31	0929 0942	WADDICOR	13.0	7.48	1.38	2.28	10.3		6	12	0	"
1589	1-7	0855 0910	"	11.0	13.5	1.88	2.39	22.4		6	11	-0.32	"
1569	11-3	1507 1517	BONDI-MAN-DE MARS	132.	154.	4.33	4.24	677.		6	10	-0.05	FC19
1570	11-6	0848 0858	WADDICOR	18.0	9.60	0.76	2.50	7.3		6	10	0	FC37
1571	11-13	1108 1118	"	13.0	5.23	1.01	2.43	5.3		6	9	0	"
1572	11-14	1228 1247	"	106.	362.	8.70	5.97	3150.		6	11	-1.14	"
1573	11-15	0840 0850	"	14.	5.92	2.13	2.61	12.6		6	8	0	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAT. INS	METH. DO	MEAN REC. NO.	D. HT. CHANGE TOTAL	METER NO.
1590	1-8	0850 0905	"	90.0	50.2	1.61	2.77	80.9					
1591	1-15	0844 0859	WADDICOR-WHISLER	20.7	5.67	1.19	2.17	7.0					"
1592	1-22	0834 0848	WADDICOR	23.7	6.39	1.20	2.17	7.7					"
1593	1-29	0830 0848	"	25.2	6.27	1.00	2.16	6.3					"
1594	2-5	0833 0848	"	24.8	6.07	1.05	2.16	6.4					"
1595	2-11	0844 0859	WADDICOR-GODFREY	24.3	6.08	0.97	2.15	5.9					"
1596	2-19	0835 0850	WADDICOR	25.1	5.86	0.97	2.15	5.7					"
1597	2-24	0845 0850	"	13.0	5.54	1.23	2.17	6.8					"
1598	2-26	0825 0837	WADDICOR-HYDE	18.0	5.27	1.21	2.15	6.4					"
1599	3-5	0828 0842	WADDICOR	13.3	4.74	1.24	2.14	5.9					"
1600	3-12	1022 1029	HYDE	26.0	6.44	1.07	2.19	6.9					FC35
1601	3-19	0845 0850	WADDICOR	13.7	5.44	1.07	2.15	5.6					FC37
1602	3-26	0845 0930	"	20.3	5.66	1.19	2.15	7.0					"
1603	4-2	0843 0857	WADDICOR-LINDSAY	12.0	4.46	1.17	2.12	5.2					"
1604	4-9	0846 0858	WADDICOR	12.6	4.49	1.20	2.11	5.4					"
1605	4-16	0829 0840	"	13.1	4.48	1.18	2.10	5.3					"
1606	4-20	0845 0850	"	93.0	88.4	1.61	2.89	142.					-0.08
1607	4-23	0827 0837	"	11.0	3.64	1.43	2.09	5.2					"
1608	4-30	0840 0855	"	14.0	4.88	1.29	2.13	6.3					"
1609	5-7	0845 0930	"	13.2	4.36	1.10	2.07	4.8					"
1610	5-14	0838 0848	"	13.3	4.29	1.12	2.07	4.2					"
1611	5-21	0845 0850	"	13.5	4.72	1.04	2.09	4.9					FC29
1612	5-28	0842 0857	"	13.2	4.66	0.92	2.11	4.1					FC37
1613	6-4	0845 0900	"	16.0	4.33	0.97	2.12	4.2					"
1614	6-11	0844 0859	WADDICOR-THOMAS	16.0	4.44	0.96	2.14	4.2					"
1615	6-18	0841 0853	WADDICOR	15.5	4.17	0.94	2.13	3.9					"
1616	6-25	0841 0853	"	11.0	3.67	1.04	2.12	3.8					"
1617	7-2	0845 0858	"	10.2	3.87	1.16	2.10	4.5					"
1618	7-9	0842 0857	"	10.0	3.23	1.24	2.06	4.0					"
1619	7-16	0830 0845	WADDICOR-MASKELL	10.0	3.41	1.12	2.04	3.8					"
1620	7-23	0842 0852	WADDICOR	12.2	2.97	1.18	2.01	3.5					"
1621	7-30	0850 0902	"	12.0	3.09	1.26	2.05	3.9					"
1622	8-6	0853 0906	GODFREY-WADDICOR	10.2	2.91	1.18	2.04	3.3					"
1623	8-13	1230 1242	WADDICOR	8.0	2.30	1.30	2.24	3.0					"
1624	8-20	0912 0940	GODFREY	9.5	2.79	1.11	2.12	3.1					FC28
1625	8-27	0842 0918	"	8.0	2.98	1.07	2.03	3.2					"
1626	9-2	0840 0											

FD724 C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FB4-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.			
1															
2	2.6	3.4	2.2	8.2	1.2	7.5	9.4	7.0	5.4	4.9	4.2	3.9			
3	2.5	3.3	2.5	7.8	1.2	8.0	8.5	6.7	5.7	4.9	4.1	3.9			
4	2.5	3.2	4.8	7.0	1.2	7.8		6.5	5.7	4.4	4.7	3.8			
5	2.6	3.3	5.6	7.0	1.1	7.7	1.2	6.5	5.7	5.7	4.1	3.8			
6			25.4	7.0	1.1	7.6	1.0	6.5	5.7	4.4	3.9	4.2			
7	2.4	3.3	5.8	7.0	1.0	2.7	9.0	6.7	5.7	4.4	4.1	3.6			
8	2.2	3.4	4.9	23.8	1.0	1.740		7.0	5.6	5.7	4.2	3.4			
9	2.2	3.5	4.8	1.5	9.8	4.0	6.2	7.0	5.6	4.4	4.4	3.4			
10	2.3	3.5	4.7	6.6	9.6	1.8	1.6	7.0	5.5	4.4	4.2	3.8			
11	2.6	3.6	4.7	6.2	9.3	8.3	1.1	6.7	5.5	4.4	4.2	3.6			
12	2.7	3.5	3.5	6.6	9.1	1.7	1.3	6.7	5.4	4.4	4.9	3.8			
13	2.8	3.5	3.3	7.8	8.8	5.4	1.2	6.7	5.4	4.7	4.7	3.9			
14	2.7	3.6	5.4	1.79	8.6	2.3	1.0	6.7	5.2	4.7	5.2	3.8			
15	2.6	3.7	5.0	9.79	8.2	1.510	9.8	6.7	4.9	4.9	5.4	3.9			
16	2.6	3.6	4.9	9.36	8.1	5.77	8.0	6.7	4.7	4.9	4.9	4.2			
17	2.7	3.6	4.9	1.840	7.9	1.12	8.0	6.7	4.7	4.9	5.2	3.9			
18	3.0	3.4	4.8	1.640	7.8	2.76	7.5	6.7	4.9	4.7	4.9	3.9			
19	2.7		4.9	2.53	7.6	2.8	2.78	6.5	4.9	4.7	5.2	7.2			
20	2.7	2.0	1.70	5.8	7.5	1.5	8.5	6.5	5.7	4.7	4.9	5.2			
21	2.9	1.3	5.0	3.4	7.5	1.5	8.5	6.5	4.9	4.2	4.9	4.2			
22	2.8	5.8	5.0	1.7	7.5	1.5	8.5	6.0	4.9	4.7	4.7	4.2			
23	2.8	5.0	5.0	1.7	7.5	1.5	8.5	6.0	4.9	4.7	4.7	4.2			
24	2.9	4.9	5.0	1.8	7.0	1.4	8.0	5.7	4.9	4.1	4.7	4.4			
25	1.2	4.9	5.0	1.50	7.0	1.4	5.7	5.7	5.2	4.1	4.4	1.0			
26	3.6	4.9	5.4	1.7	7.0	1.4	7.5	5.7	6.0	4.1	4.2	6.0			
27	3.6	4.9	5.4	1.6	7.0	1.4	6.5	5.7	4.9	4.1	4.2	4.9			
28	3.6	4.9	6.2	1.5	7.0	1.3	2.3	5.7	4.9	3.9	4.2	5.2			
29	3.5	4.8	9.28	1.4	2.53	1.2	1.5	5.4	4.9	3.8	4.2	4.7			
30	3.5	4.8	4.02	1.3	1.3	1.1	6.7	5.4	4.7	4.2	4.2	4.2			
31	3.4		1.6	1.3	1.3	1.0	3.2	5.2		4.1	4.1				
256.7															
2227.5															
499.2															
971.3															
157.8															
141.8															
550.1															
7369.4															
4783.1															
196.9															
140.3															
132.7															
MEAN	8.28	18.3	71.9	238.	17.2	154.	32.4	6.35	5.26	4.53	4.57	4.42			
ACRE- FEET	509.	1090.	4420.	14620.	990.	9490.	1930.	390.	313.	278.	281.	263.			
Remarks:												YEAR OR PERIOD	MEAN ACRE-FEET	47.6	34570.

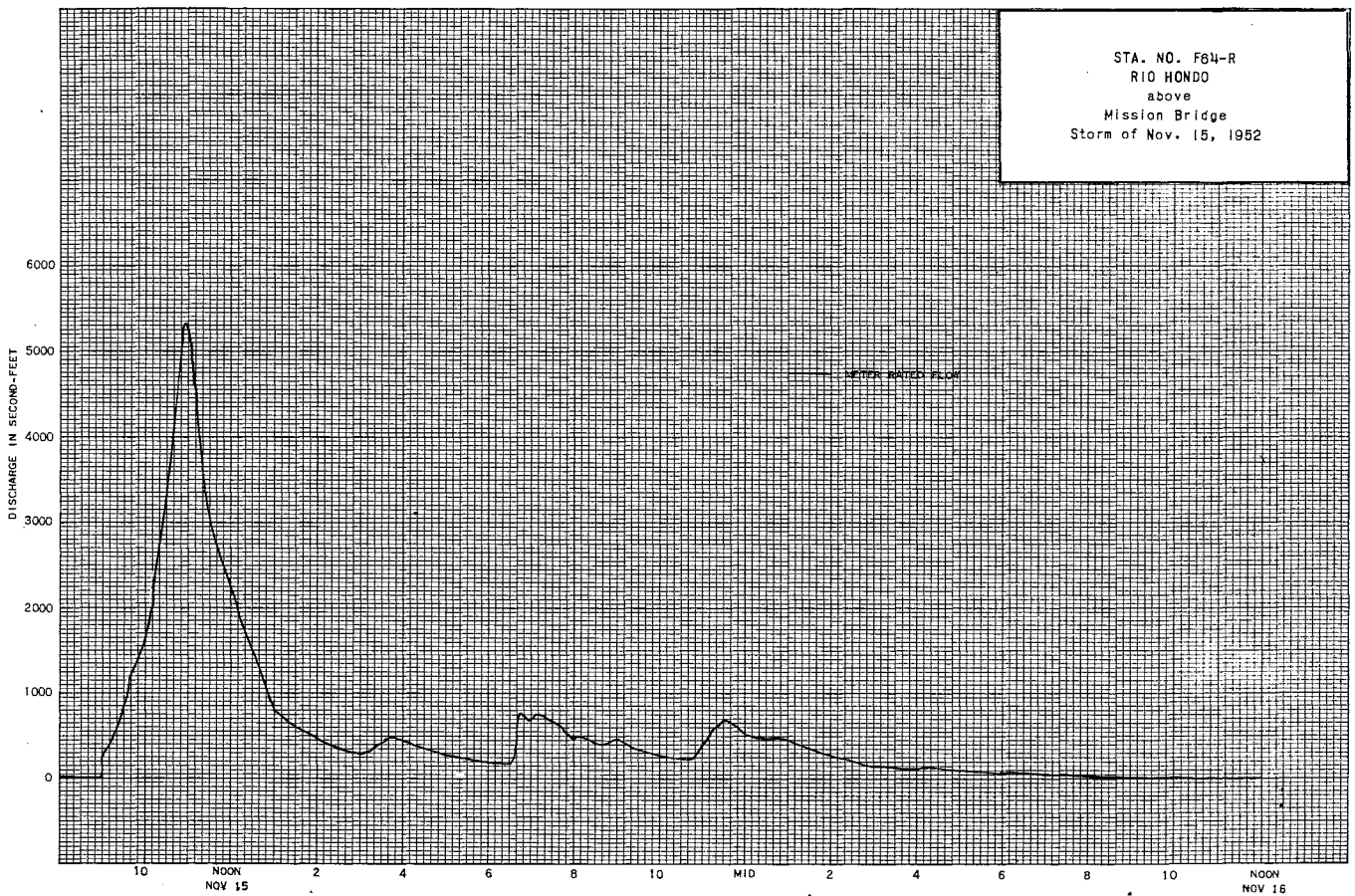
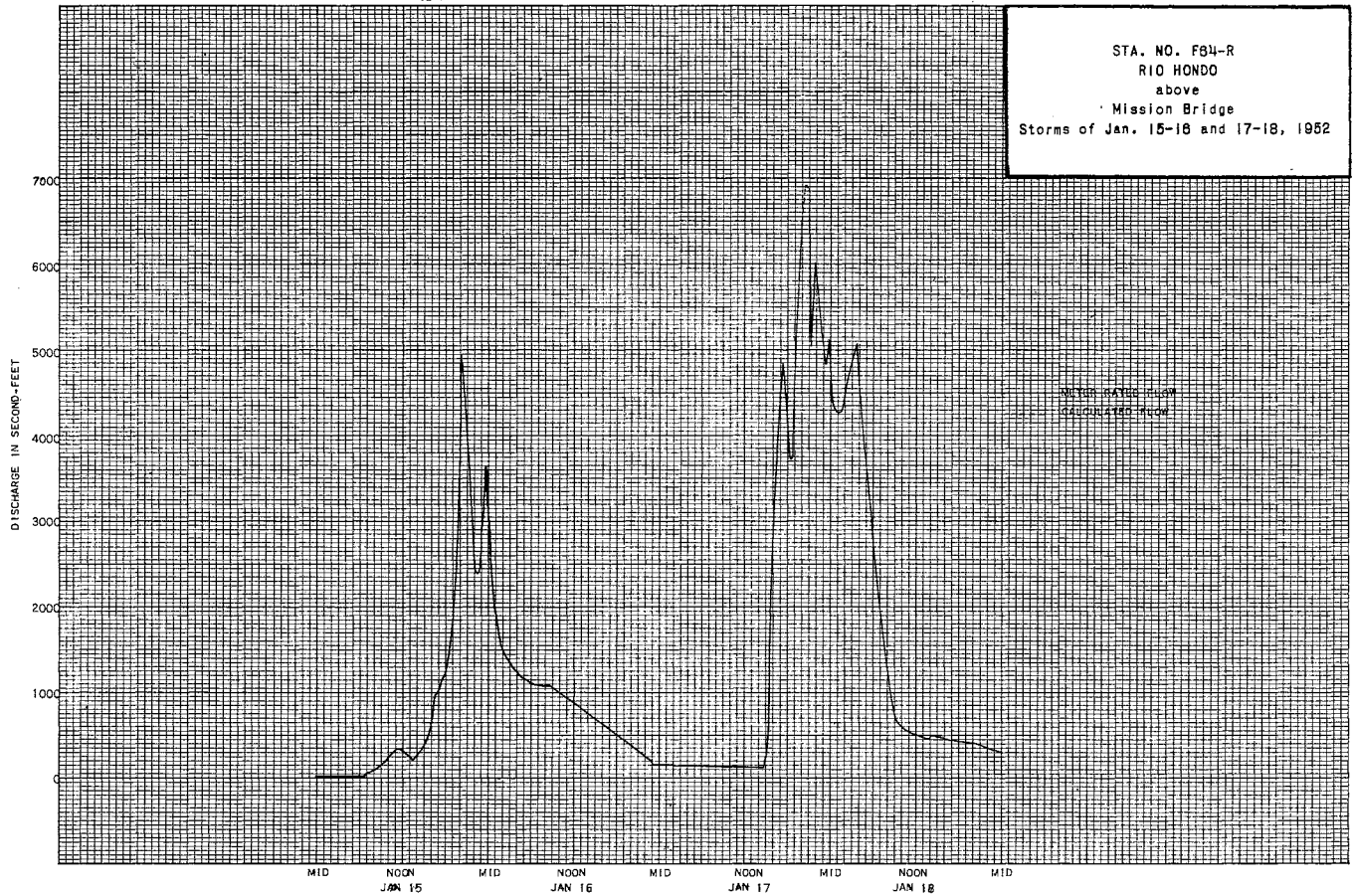
FD724 C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FB4-R

Daily discharge, in second-feet of RIO HONDO above Mission Bridge for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.			
1	4.2	6.7	5.58	1.0	6.0	3.8	5.2	6.0	4.1	3.9	4.1	3.3			
2	4.2	1.98	1.19	1.0	6.2	1.1	5.2	5.4	4.2	4.1	3.9	3.1			
3	4.2	4.71	8.0	9.5	6.5	6.5	5.4	4.9	4.1	3.9	3.7	3.1			
4	4.1	1.2	6.0	9.5	6.7	6.2	5.2	4.9	4.1	3.8	3.5	3.3			
5	4.2	8.0	6.4	1.0	6.5	6.0	5.4	4.9	4.2	4.6	3.3	3.3			
6	4.4	8.0	6.8	2.7	6.5	5.7	6.7	4.9	4.4	3.8	3.1	3.3			
7	4.4	7.0	7.2	7.9	6.2	5.7	6.0	4.9	4.4	3.9	3.0	3.5			
8	4.7	7.0	7.5	3.7	6.2	5.7	5.7	4.9	4.4	3.8	3.1	3.4			
9	4.7	5.2	7.8	1.1	6.0	5.7	5.4	4.4	4.2	3.9	3.0	3.4			
10	4.4	5.2	8.2	1.0	6.0	5.7	5.4	4.4	4.2	3.9	3.3	3.6			
11	4.4	5.2	8.4	9.5	6.0	6.2	5.4	4.2	4.1	3.6	3.9	3.6			
12	4.4	5.2	8.6	1.0	6.0	6.2	5.2	4.4	3.9	3.6	3.2	3.6			
13	4.7	5.2	8.2	8.7	6.0	6.2	5.4	4.4	3.8	3.4	3.0	3.6			
14	4.9		7.9	1.4	6.0	5.7	5.4	4.7	3.8	3.4	3.1	3.6			
15	7.9	3.0	5.5	7.8	7.5	6.0	5.7	5.4	4.7	3.6	3.4	3.4			
16	2.73	6.6	7.3	7.0	5.7	5.7	5.2	4.7	3.8	3.5	3.1	3.6			
17	2.9	6.5	7.1	7.4	7.0	5.7	5.7	4.9	4.1	3.8	3.0	3.4			
18	9.5	6.2	7.4	7.4	7.0	6.0	5.2	4.7	4.1	3.8	3.1	3.4			
19	6.2	6.2	7.4	7.5	5.7	2.8	4.9	4.7	4.4	3.6	3.3	3.6			
20	5.7	6.2	4.79	7.5	5.7	8.1	5.1	4.9	4.1	3.6	3.3	3.4			
21	5.4	6.2	1.7	7.5	6.0	7.5	1.3	4.9	3.9	3.6	3.3	3.4			
22	5.2	1.32	1.3	7.5	5.7	6.7	6.0	4.7	3.8	3.6	3.3	3.3			
23	4.7	4.3	1.1	7.0	8.7	6.2	5.2	4.4	3.8	3.3	3.3	3.4			
24	4.7	6.7	9.5	6.7	7.0	6.5	5.2	4.4	3.8	3.3	3.3	3.4			
25	4.9	6.2	8.0	6.5	6.7	6.5	5.2	4.2	3.9	3.3	3.3	3.6			
26	4.9	6.0	1.0	6.5	6.2	6.5	4.9	4.2	3.8	3.3	3.3	3.6			
27	4.9	6.0	1.0	6.5	6.2	6.5	1.20	4.2	3.6	3.4	3.3	3.9			
28	3.4	6.0	1.67	6.5	6.2	6.5	1.6	4.2	3.6	3.4	3.3	3.8			
29	6.99	1.3	1.3	6.5	6.5	6.5	6.0	4.2	3.6	3.8	3.4	3.8			
30	4.75	4.2	1.48	6.5	6.5	8.5	6.6	4.2	3.8	4.2	3.3	3.4			
31	9.0		2.5	6.2	6.2	5.4		4.2	3.8	4.2	3.4				
2297.0															
1717.0															
253.0															
341.7															
119.8															
120.6															
2140.5															
460.9															
325.6															
143.5															
115.4															
103.9															
MEAN	74.1	71.4	55.4	14.9	9.04	10.5	11.4	4.63	3.99	3.72	3.31	3.46			
ACRE- FEET	4560.	4250.	3410.	914.	502.	646.	678.	285.	237.	229.	204.	206.			
Remarks:												YEAR OR PERIOD	MEAN ACRE-FEET	22.2	16120.



STATION F45B-R
RIO HONDO at Stewart and Gray Road

LOCATION: WATER-STAGE RECORDER, LAT. 33°56'46", LONG 118°09'44", ON THE LEFT (EAST) BANK OF CHANNEL, 0.6 MILE UPSTREAM FROM JUNCTION OF RIO HONDO AND LOS ANGELES RIVER AND ABOUT 1.5 MILES WEST OF DOWNEY. THIS STATION IS NEAR LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 91.4 FEET.

DRAINAGE AREA: 140 SQUARE MILES. (EXCLUDES DRAINAGE ABOVE SANTA FE DAM.)

CHANNEL AND CONTROL: CHANNEL - CONCRETE, 100 FEET WIDE WITH 2.25:1 RIPRAPPED SLOPES, CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING NEAR GAGE. HIGH FLOWS MEASURED FROM CABLE CAR 30 FEET ABOVE STATION.

RECORDER: INSTALLED MARCH 1, 1928 AT STATION F45-R. REMOVED APRIL 18, 1951 FOR CHANNEL CONSTRUCTION. REINSTALLED AT STATION F45B-R ON OCTOBER 31, 1951 OVER A 48" INCH DIAMETER CONCRETE STILLING WELL. AN AU CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY SIERRA MADRE DAM, BIG SANTA ANITA DAM, SAWPIT DAM, EATON DAM, SANTA FE DAM, LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: THE CITY OF PASADENA DIVERTS WATER FROM EATON CREEK. THE CITY OF MONROVIA DIVERTS WATER FROM MONROVIA CREEK AND SAWPIT CREEK. THE CITY OF SIERRA MADRE DIVERTS WATER FROM LITTLE SANTA ANITA CANYON. THERE ARE ALSO SEVERAL DIVERSIONS FOR IRRIGATION AND SPREADING. FLOW FROM SAN GABRIEL RIVER BELOW SANTA FE DAM IS OCCASIONALLY DIVERTED TO RIO HONDO.

RECORDS AVAILABLE: MARCH 1928 TO APRIL 18, 1951, AND FROM OCTOBER 31, 1951 TO SEPTEMBER 30, 1953. (FOR RECORDS PRIOR TO MARCH, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 9040 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW AT VARIOUS TIMES.
1952-53
MAXIMUM 4600 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW AT VARIOUS TIMES.
1929-53
MAXIMUM 24,400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF RIO HONDO
above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN SEC. NO.	D. CHG. TOTAL	MEYER NO.	
1	11-20	0134 0136	HOLLERON-BONADIMAN	102.	69.8	3.30	0.84	230.		SURF .5	9	-.12	FC19	
2	12-12	0348 0352	" "	49.0	7.50	1.51	0.22	11.3		SURF .5	7	0	"	
3	12-12	0654 0710	BONADIMAN	92.0	78.8	3.35	0.83	264.		SURF .5	7	0	"	
4	12-29	1220 1235	LANG	105.	170.	6.06	1.74	1030.		FLOATS	8	+27	"	
5	12-29	1315 1325	"	110.	224.	6.70	2.20	1500.		FLOATS	8	0	"	
6	12-29	1528 1528	"	107.	195.	6.77	2.02	1320.			6	+05	FC12	
7	12-29	1605 1625	"	111.	236.	7.29	2.37	1720.		FLOATS	8	+02	"	
8	1-7	0500 0510	BONADIMAN-LANG	23.0	1.67	0.66	0.12	1.1		SURF	7	0	FC19	
9	1-12	2028 2042	BONADIMAN-HOLLERON	108.	245.	9.18	2.52	2250.			6	+32	"	
10	1-15	1458 1458	LANG	27.5	9.16	1.98	0.33	18.1			5	0	FC12	
11	1-16	0948 1014	"	110.5	185.	6.27	2.44	1160.			6	-13	"	
12	1-17	0854 0912	BONADIMAN	TWO	CHANNELS		0.50	85.0			6	14	0	FC19
13	1-17	1920 2000	LANG-CLARK	124.	529.	11.5	5.20	6060.			6	+10	FC12	
14	1-18	0026 0057	" "	128.	605.	11.7	6.23	7090.			6	-14	"	
15	1-18	0628 0650	" "	121.	400.	8.75	5.19	3500.			6	-52	"	
16	1-19	1020 1032	BONADIMAN - WRIGHT	108.	84.8	1.77	0.88	150.			6	8	0	FC19
17	3-7	0452 0505	BONADIMAN-HYDE	117.	304.	8.55	4.12	2600.			6	+22	"	
18	3-7	0805 0823	LANG-CLARK	121.	420.	9.98	4.85	4190.			6	+16	FC12	
19	3-7	1255 1310	" "	118.	321.	8.08	4.18	2590.			6	-15	"	
20	3-15	1450 1502	BONADIMAN-HYDE	115.	300.	8.57	4.20	2570.			6	+30	FC19	
21	3-16	1105 1120	" "	105.	107.	1.71	2.27	183.			6	-02	"	

DISCHARGE MEASUREMENTS OF RIO HONDO
above Stewart and Gray Road DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. NO.	MEAN SEC. NO.	D. CHG. TOTAL	MEYER NO.	
22	11-15	1325 1337	BONADIMAN-DE MARS	114.	290.	7.52	4.02	2180.			6	-35	FC19	
23	11-23	0826 0826	"	107.	109.	2.54	2.52	277.			6	-10	"	
24	12-2	0100 0114	"	115.	257.	7.08	3.72	1820.			6	-55	"	
25	12-2	1041 1048	"	20.0	7.04	0.68	1.56	4.8			6	7	0	"
26	12-20	1015 1021	"	110.	161.	5.60	2.96	902.			6	-19	"	
27	12-28	0247 0300	"	105.	67.5	2.38	2.28	154.			6	+15	"	
28	12-30	2100 2125	DE MARS-BRITZMAN	105.	88.2	3.18	2.26	281.			6	+03	FC34	
29	12-31	1045 1060	"	14.0	4.20	0.50	1.60	2.1		SURF	5	0	"	
30	1-7	0825 0833	BONADIMAN-GODFREY	34.0	18.6	1.47	1.86	27.4			6	-02	FC19	
31	1-8	0917 0920	"	9.0	2.03	0.79	1.58	1.6			6	5	0	"
32	2-23	1250 1250	BONADIMAN-DE MARS	31.0	13.9	0.96	1.68	13.4			6	-02	"	
33	4-27	2000 2008	"	24.0	11.5	1.55	1.74	17.8			5	7	0	"

FD-144 F. C. Dist. 53 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F458-R

Daily discharge, in second-feet of RIO HONDO above Stewart & Gray Road for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.2	0	0	1.8	0	0	0	0	0	0
2	0	0	0.5	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	0.8	0	0	0	0	0	0	0	0	0
5	0	0	7.1	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	5.2	0	168.0	0.3	0	0	0	0	0
8	0	0	0	0.2	0	1.3	1.8	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	3.9	2.9	0	0	0	0	0
11	0	0	0.2	0	0	0.5	7.4	0	0	0	0	0
12	0	0	5.8	4.8	0	0	0	0	0	0	0	0
13	0	0	0	2.3	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	5.6	0	10.3	0	0	0	0	0	0
16	0	0	0	24.3	0	4.1	0	0	0	0	0	0
17	0	0	0	21.9	0	1.7	0	0	0	0	0	0
18	0	0	0	24.0	0	1.7	0	0	0	0	0	0
19	0	1.4	1.0	2.3	0	0.5	1.4	0	0	0	0	0
20	0	4.5	0	0	0	0	4.8	0	0	0	0	0
21	0	0.5	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	8.4	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	4.8	0	1.0	0	0	0	0	0	0	0
30	0	0	2.9	0	0	0	0	0	0	0	0	0
31	0	0	1.4	0	0	0	0	0	0	0	0	0
	0	46.9	908.1	8712.4	109	3294.0	60.9	0	0	0	0	0

MEAN	0	1.56	29.3	281.	3.76	106.	2.03	0	0	0	0	0
ACRE- FEET	0	93.	1800.	17280.	216	6530.	121.	0	0	0	0	0

Remarks:

YEAR MEAN 35.9
OR PERIOD ACRE- FEET 26040.

FD-144 F. C. Dist. 53 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F458-R

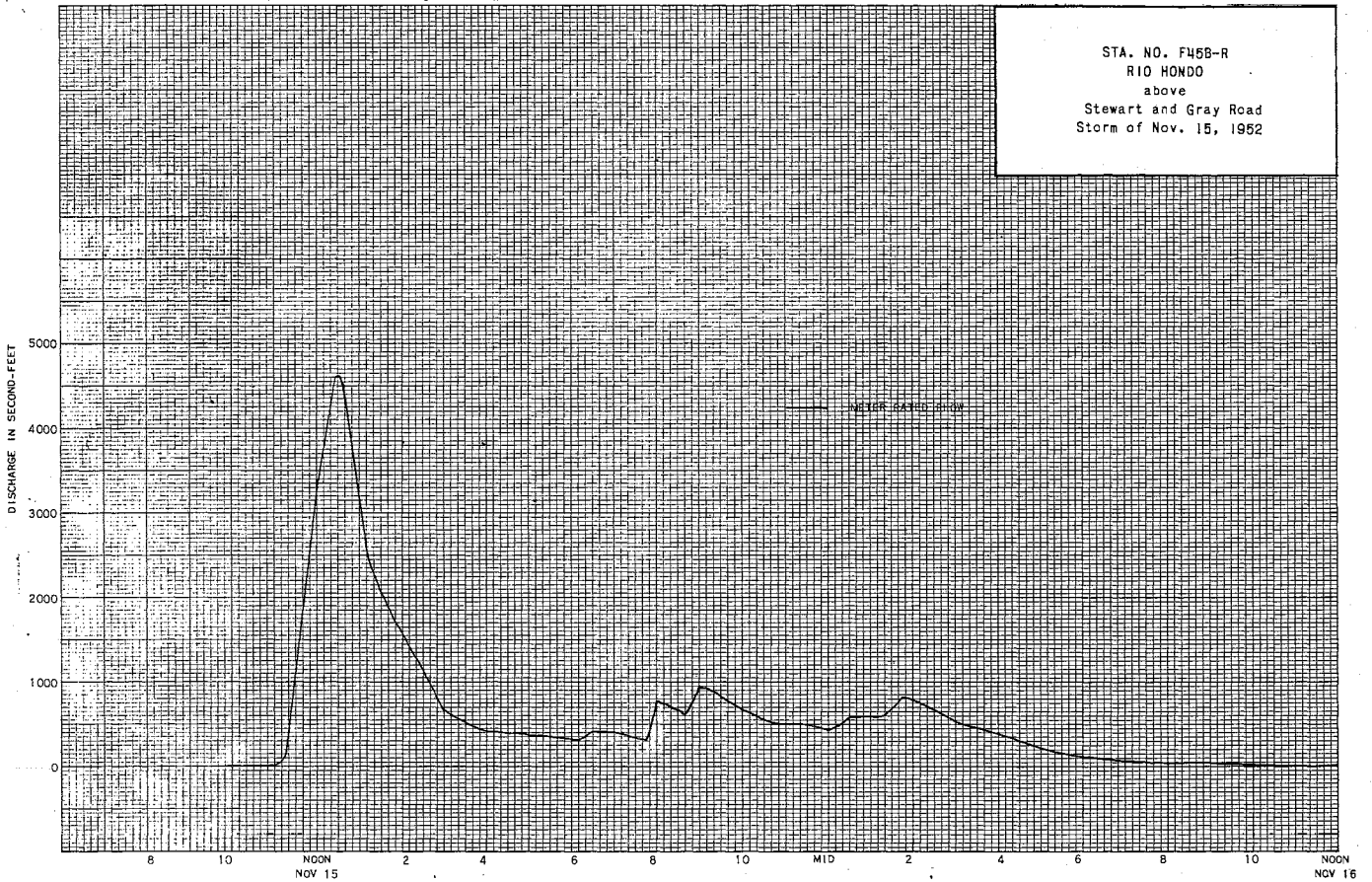
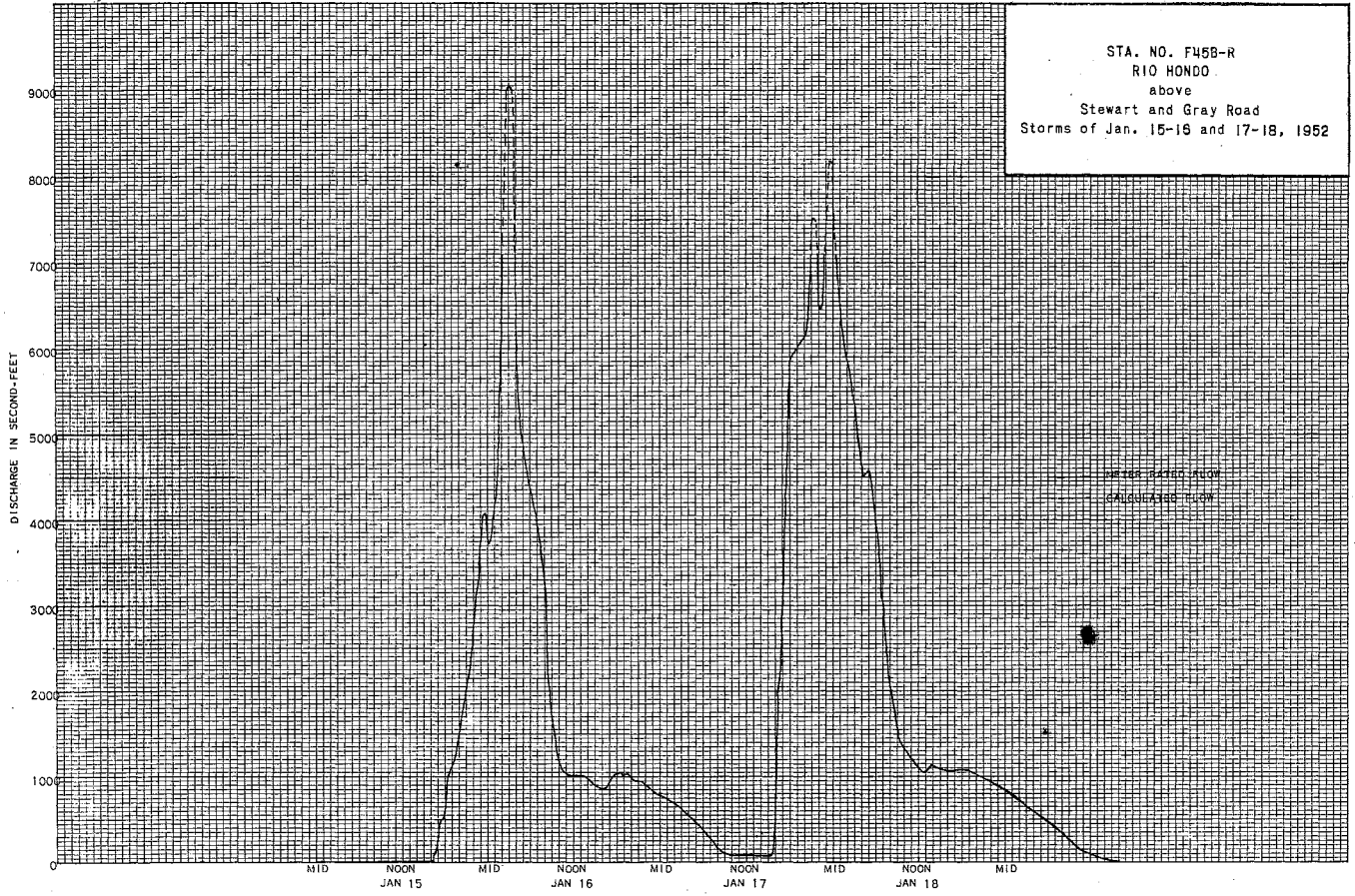
Daily discharge, in second-feet of RIO HONDO above Stewart and Gray Road for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.5	0	0	0	0	0	0	0	0	0
2	0	0	26.0	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	1.5	0	0	0	0	0	0	0	0
7	0	0	0	7.6	0	0	0	0	0	0	0	0
8	0	0	0	0.4	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	5.5	0	0	0	0	0	0	0	0
14	0	b 5.9	0	5.0	0	0	0	0	0	0	0	0
15	0	5.7	0	a 0	0	0	0	0	0	0	0	0
16	0	1.2	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	26.6	0	0	3.1	+	0	0	0	0	0
21	0	0	1.3	0	0	0	0	0	0	0	0	0
22	0	0	0	a 0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	2.8	0	0	16.6	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	5.7	0	0	0	0	0
28	0	0	3.5	0	0	0	7.1	0	0	0	0	0
29	0	0	0.8	0	0	0	0	0	0	0	0	0
30	0	0	5.3	0	0	0	0	0	0	0	0	0
31	0	0	2.7	0	0	0	0	0	0	0	0	0
	0	78.5	899.1	21.1	16.6	3.1	12.8	0	0	0	0	0

MEAN	0	26.2	29.0	0.68	0.59	0.10	0.43	0	0	0	0	0
ACRE- FEET	0	1560.	1780.	42.	33.	6.1	25.	0	0	0	0	0

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

YEAR MEAN 4.76
OR PERIOD ACRE- FEET 3450.



STATION U14-R
ROCK CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'10", LONG. 117°50'17", IN NE 1/4 SEC. 20, T.4N., R.9W., ON LEFT BANK 0.2 MILE UPSTREAM FROM PUNCHBOWL CANYON AND 0.9 MILE (REVISED) 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 1953.

AVERAGE DISCHARGE: 29 YEARS (1923-37, 1938-53) 15.3 SECOND-FEET

EXTREMES:

1951-52
MAXIMUM DISCHARGE 224 SECOND-FEET DECEMBER 30. (GAGE HEIGHT 3.00 FEET.)
MINIMUM 0.7 SECOND-FEET NOVEMBER 5.

1952-53
MAXIMUM DISCHARGE 17 SECOND-FEET DECEMBER 1. (GAGE HEIGHT 2.24 FEET.)
MINIMUM 2.0 SECOND-FEET SEPTEMBER 29 - 30.

1923-53
MAXIMUM DISCHARGE 8300 SECOND-FEET MARCH 2, 1938. BY SLOPE-AREA METHOD.
MINIMUM 0.7 SECOND-FOOT NOVEMBER 5, 1951.

REMARKS: RECORDS FAIR, NO DIVERSIONS ABOVE STATION.

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

DISCHARGE MEASUREMENTS OF ROCK CREEK

above Mouth of Canyon

DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH- OD	HEAR. SEC. NO.	R. FT. CHARGE TOTAL	METER NO.	GAGE		
														NO.	HT.	
990	10-1		USGS	3.7	1.83	0.49	1.87	0.89	.6	14	0					
991	10-3	1435 1445	LUCE	6.0	2.28	0.53	1.88	1.2	.6	8	0	FC41				
992	10-11		USGS	3.6	1.98	0.54	1.88	1.07	.6	10	0					
993	10-17	1450 1455	LUCE	5.5	2.11	0.47	1.87	1.0	.6	8	0	FC41				
994	10-30		USGS	3.6	1.97	0.52	1.89	1.02	.6	13	0					
995	10-31	0930 0940	LUCE	5.9	2.45	0.49	1.89	1.2	.6	9		FC41				
996	11-15	0900 0910	"	5.9	2.54	0.51	1.91	1.3	.6	8		"				
997	11-28		USGS	3.6	2.17	0.53	1.93	1.15	.6	13	0					
998	11-29	1235 1245	LUCE	6.0	2.65	0.57	1.93	1.5	.6	9	0	FC41				
999	12-14	1015 1025	"	4.9	3.65	1.26	2.07	4.6	.6	12		"				
1000	12-14	0950 1000	"	6.6	3.56	1.38	2.07	4.9	.6	9		"				
1001	12-14		USGS	4.9	3.68	1.21	2.08	4.38	.6	12	0					
1002	12-26	0935 0945	LUCE	5.0	3.23	0.74	2.00	2.4	.6	7		FC41				
1003	12-27		USGS	4.9	3.19	0.73	2.00	2.34	.6	11	0					
1004	12-30	1010 1020	LUCE	56.0	39.6	4.47	2.86	177.	.6	15	-.04	FC39				
1005	12-31		USGS	14.0	9.80	2.39	2.32	23.4	.6	15	0					
1006	1-10	1135 1145	LUCE	13.0	7.63	1.19	2.10	9.0	.6	12	0	FC39				
1007	1-14		USGS	18.0	6.90	2.54	2.18	17.5	.6	19	0					
1008	1-23	1710 1720	LUCE-BLAKE	15.0	9.16	2.17	2.22	19.9	.6	12	0	FC39				
1009	1-30		USGS	14.0	9.08	1.98	2.24	18.0	.6	15	0					
1010	2-13	0930 0940	LUCE	13.5	10.1	1.94	2.23	19.6	.6	12	0	FC39				
1011	2-18		USGS	14.0	8.82	1.64	2.20	14.4	.6	15	0					
1012	2-27	1450 1500	LUCE	12.9	8.46	1.46	2.15	12.4	.6	11	0	FC39				
1013	2-28		USGS	14.0	8.22	1.51	2.17	12.4	.6	15	0					
1014	3-12	1250 1305	LUCE	13.6	8.61	1.87	2.23	16.1	.6	12	0	FC41				
1015	3-19		USGS	15.0	9.59	2.84	2.32	27.2	.6	16	0					
1016	3-26	0850 0900	LUCE	18.0	15.0	3.06	2.52	45.9	.6	12	0	FC41				
1017	3-28		USGS	17.0	15.0	3.98	2.64	59.6	.6	17	0					
1018	4-9	0940 0955	LUCE	21.8	18.8	4.11	2.70	77.2	.6	13	0	FC41				
1019	4-15		USGS	17.5	15.4	3.15	2.57	48.5	.6	19	0					
1020	4-24		"	20.0	18.1	3.39	2.64	61.4	.6	21	0					
1021	4-25	0930 0940	LUCE	20.0	18.8	3.42	2.68	64.3	.6	12		FC41				
1022	5-7	1450 1505	"	19.5	17.4	4.04	2.60	70.2	.6	12		"				
1023	5-8		USGS	20.0	16.5	3.04	2.58	50.2	.6	21	0					
1024	5-16		"	20.0	17.1	3.06	2.57	52.3	.6	21	0					
1025	5-21	1305 1320	LUCE	19.5	18.8	3.14	2.60	59.0	.6	15	0	FC41				
1026	5-27		USGS	20.0	17.2	3.10	2.61	53.4	.6	21	0					
1027	6-4	1245 1300	LUCE	20.3	16.9	2.85	2.56	48.1	.6	14	0	FC41				
1028	6-18		USGS	20.0	15.6	2.56	2.50	40.0	.6	21	0					
1029	6-18	1515 1530	LUCE	19.0	15.3	2.73	2.47	41.7	.6	16	0	FC28				
1030	6-27		USGS	17.0	12.5	2.37	2.42	29.6	.6	18	0					
1031	7-2	1600 1610	LUCE	16.0	12.4	2.31	2.39	28.6	.6	11	0	FC41				
1032	7-15		USGS	18.0	11.0	2.42	2.34	26.6	.6	19	0					
1033	7-18	1141 1153	TURNER	17.0	11.5	2.16	2.33	24.8	.6	13	0	FC43				
1034	7-31		USGS	16.0	10.2	2.20	2.31	22.4	.6	17	0					
1035	7-31	1510 1525	LUCE	16.4	10.7	1.98	2.28	21.2	.6	12	0	FC41				
1036	8-12		USGS	16.0	10.7	1.64	2.26	17.6	.6	17	0					
1037	8-13	1520 1530	LUCE	15.1	9.32	1.82	2.24	17.0	.6	14		FC41				
1038	8-28		USGS	14.4	9.24	1.47	2.19	13.6	.6	16	0					
1039	8-28	0930 0935	LUCE	15.5	9.10	1.68	2.21	15.3	.6	13	0	FC41				
1040	9-10	1417 1427	"	14.4	8.82	1.56	2.16	13.8	.6	11	0	"				
1041	9-16		USGS	14.5	8.50	1.33	2.15	11.3	.6	16	0					
1042	9-24	1335 1345	LUCE	14.5	8.30	1.38	2.14	11.6	.6	12	0	FC41				
1043	9-30		USGS	14.0	7.76	1.44	2.13	11.2	.6	14	0					

DISCHARGE MEASUREMENTS OF ROCK CREEK

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	HAULS MEASUREMENT FEET	DISCHARGE CFS	RAT-INS	METH-OD	MEAN. REC. NO.	HT. GUAGE TOTAL	METER NO.
1044	10-8	1245 1300	LUCE	14.0	8.02	1.10	2.11	8.8	.6	12	0	FC41	
1045	10-16		USGS	14.0	7.53	1.21	2.09	9.06	.5	15	0		
1046	10-22	0900 0855	LUCE	14.0	7.91	1.07	2.10	8.5	.6	12	0	FC41	
1047	10-30		USGS	13.3	7.41	1.10	2.09	8.16	.5	15	0		
1048	11-5	1520 1535	LUCE	13.0	7.36	1.14	2.08	8.4	.6	12	0	FC41	
1049	11-12		USGS	13.3	7.55	1.04	2.08	7.82	.5	15	0		
1050	11-22	1015 1025	LUCE	13.3	8.11	1.23	2.10	10.0	.6	11	0	FC41	
1051	11-24		USGS	13.0	7.24	1.04	2.10	7.56	.5	14	0		
1052	12-3	0900 0815	LUCE	12.7	7.59	1.17	2.13	8.9	.6	11	0	FC41	
1053	12-17		USGS	13.3	8.24	1.12	2.12	9.22	.5	15	+01		
1054	12-22	1000 1010	LUCE	13.3	8.51	1.20	2.13	10.2	.6	11	0	FC41	
1055	12-31		USGS	14.0	8.58	1.10	2.12	9.41	.5	15	0		
1056	1-7	1315 1325	LUCE	13.7	9.00	1.13	2.15	11.7	.6	11	0	FC41	
1057	1-14		USGS	14.0	9.13	1.14	2.13	10.4	.5	15	0		
1058	1-14	1230 1235	HYDE+LUCE	14.0	9.36	1.34	2.13	12.5	.6	10	0	FC35	
1059	1-21	1410 1420	LUCE	13.5	8.31	1.07	2.11	8.9	.6	12	0	FC41	
1060	1-29		USGS	14.0	8.65	1.10	2.11	9.52	.5	15	0		
1061	1-29	1310 1318	TURNER+LUCE	14.0	8.25	1.25	2.11	10.3	.6	10	0	FC41	
1062	2-5	1325 1337	TURNER	13.9	8.36	1.33	2.09	11.1	.6	10	0	FC43	
1063	2-13		USGS	13.9	7.86	1.16	2.07	9.1	.6	11	0		
1064	2-17		"	13.9	7.66	1.04	2.06	8.00	.5	15	0		
1065	2-19	1245 1255	TURNER	13.8	7.48	1.22	2.06	9.1	.6	9	0	FC43	
1066	2-26		USGS	14.0	7.56	1.07	2.06	8.10	.5	15	0		
1067	2-26	1225 1235	TURNER	13.8	7.64	1.16	2.06	8.9	.6	11	0	FC43	
1068	3-5	1225 1230	"	13.7	7.82	1.00	2.06	7.8	.6	11	0	"	
1069	3-12	1225 1237	"	13.8	7.55	1.03	2.06	7.8	.6	11	0	"	
1070	3-19		USGS	14.0	7.05	1.06	2.06	7.49	.5	14	0		
1071	3-26	1220 1235	TURNER	13.7	7.96	.93	2.07	7.4	.6	15	0	FC43	
1072	3-31		USGS	14.0	7.81	0.94	2.07	7.37	.5	15	0		
1073	4-2	1215 1230	TURNER	13.9	8.18	1.03	2.06	8.4	.6	15	0	FC43	
1074	4-9	1225 1230	"	13.7	8.05	.99	2.07	8.0	.6	15	0	"	
1075	4-16		USGS	14.0	7.34	1.03	2.05	7.58	.5	15	0		
1076	4-23	1300 1315	TURNER	13.8	7.59	1.00	2.06	7.6	.6	14	0	FC43	
1077	4-29		USGS	13.5	4.66	.93	2.06	7.11	.5	15	0		
1078	5-7	1310 1320	TURNER+BOLLINGER	13.3	7.49	.89	2.04	6.7	.6	13	0	FC43	
1079	5-20	1230 1245	TURNER	13.4	6.88	.81	2.02	5.6	.6	14	0	"	
1080	5-29		USGS	13.0	6.49	.84	2.02	5.43	.5	13	0		
1081	6-4	1420 1435	TURNER	13.1	6.79	.75	2.00	5.1	.6	14	0	FC43	
1082	6-16		USGS	13.0	6.70	.64	1.99	4.32	.5	14	0		
1083	6-17	1120 1135	TURNER	12.8	6.34	.76	2.00	4.8	.6	14	0	FC43	
1084	6-26	1300 1315	"	12.8	6.14	.65	1.97	4.0	.6	14	0	"	
1085	6-29		USGS	4.5	2.04	2.13	1.98	4.34	.6	10	0		
1086	7-8	1034 1043	TURNER	4.4	2.18	1.79	1.97	3.9	.6	7	0	FC43	
1087	7-15		USGS	4.5	2.09	1.87	1.97	3.91	.5	12	0		
1088	7-23	1250 1300	TURNER	4.4	1.92	1.51	1.94	2.9	.6	7	0	FC43	
1089	7-30		USGS	4.5	2.00	1.56	1.95	3.13	.6	10	0		
1090	8-6	1310 1315	TURNER	4.4	1.88	1.44	1.95	2.7	.6	7	0	FC43	
1091	8-13		USGS	4.5	1.95	1.49	1.94	2.91	.5	10	0		
1092	8-20	1255 1305	TURNER	4.4	1.72	1.33	1.92	2.3	.6	7	0	FC43	
1093	8-31		USGS	4.5	1.91	1.45	1.94	2.77	.5	10	0		
1094	9-3	1240 1250	TURNER	4.4	1.74	1.32	1.93	2.3	.6	7	0	FC43	
1095	9-15		USGS	4.5	1.91	1.42	1.95	2.71	.6	10	0		
1096	9-24	1251 1300	TURNER	4.4	1.72	1.28	1.93	2.2	.5	7	0	FC43	
1097	9-30		USGS	4.5	1.87	1.26	1.94	2.36	.6	10	0		

INDIANE P. C. Dist. 58 P-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 1111-R

Daily discharge, in second-feet of ROCK CREEK above mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	1.1	1.1	1.2	2.0	1.6	6.9	5.9	5.0	3.2	2.0	1.5
2	1.1	1.1	1.3	9.0	2.4	1.4	7.1	6.5	5.2	3.1	1.9	1.2
3	1.1	0.9	1.1	9.0	2.5	1.3	7.7	7.1	5.2	3.0	1.9	1.2
4	1.1	0.9	1.1	8.4	2.5	1.3	8.2	6.5	5.0	2.8	1.9	1.2
5	1.1	0.7	1.6	8.4	2.5	1.3	8.8	5.7	5.0	3.0	1.9	1.3
6	1.1	0.9	4.3	8.4	2.4	1.3	9.8	5.5	5.0	3.0	1.8	1.3
7	1.1	0.9	4.0	9.0	2.3	1.4	9.8	5.3	5.0	2.8	1.8	1.3
8	1.1	0.9	3.3	8.4	2.2	1.3	8.6	4.8	4.8	2.8	1.7	1.3
9	1.1	0.9	2.8	9.0	2.1	1.4	7.7	4.7	4.8	2.8	1.7	1.3
10	1.1	0.9	2.5	8.4	2.0	1.9	7.1	4.5	4.7	2.7	1.7	1.3
11	1.1	1.1	2.8	7.8	1.8	1.9	6.1	4.7	4.7	2.7	1.7	1.3
12	1.1	1.1	8.4	1.9	1.7	1.7	5.5	4.7	4.5	2.7	1.7	1.3
13	0.9	1.1	6.4	3.2	1.7	1.7	5.5	4.8	4.4	2.8	1.7	1.3
14	0.9	1.1	4.0	1.8	1.7	1.7	5.3	5.0	4.2	2.7	1.7	1.2
15	0.9	1.1	3.0	2.0	1.7	4.4	5.0	5.0	4.0	2.7	1.6	1.2
16	0.9	1.1	2.8	5.0	1.5	3.6	4.8	5.2	3.8	2.7	1.6	1.1
17	0.9	1.1	2.2	3.3	1.5	3.1	5.0	5.2	3.8	2.6	1.7	1.1
18	0.9	1.1	2.0	2.8	1.4	3.0	5.3	5.2	3.8	2.5	1.6	1.1
19	0.9	1.3	2.5	2.4	1.4	2.8	5.7	5.5	3.8	2.5	1.6	1.2
20	0.9	1.2	2.2	2.2	1.3	2.8	5.7	5.9	3.7	2.5	1.6	1.3
21	0.9	1.3	2.5	2.1	1.3	2.7	5.7	6.3	3.7	2.4	1.6	1.2
22	0.9	1.3	2.5	2.0	1.3	2.5	5.7	6.1	3.6	2.4	1.5	1.1
23	0.9	1.3	2.2	1.9	1.3	2.5	5.9	5.9	3.6	2.3	1.5	1.1
24	0.9	1.3	2.2	2.0	1.2	2.6	5.5	5.7	3.6	2.3	1.5	1.1
25	1.6	1.3	2.2	2.5	1.2	3.5	7.1	5.5	3.5	2.2	1.6	1.2
26	1.3	1.1	2.2	2.3	1.2	5.2	5.9	5.5	3.2	2.2	1.6	1.2
27	1.3	1.1	2.2	2.1	1.2	6.7	5.0	5.3	3.1	2.2	1.5	1.1
28	1.1	1.1	2.2	2.1	1.3	6.1	4.8	5.2	3.1	2.3	1.4	1.1
29	1.1	1.1		1.8	1.4	6.3	5.2	5.2	3.1	2.3	1.4	1.1
30	1.1	1.1	2.1	1.7		6.7	5.5	5.2	3.1	2.2	1.3	1.1
31	1.1	1.1	2.2	1.7		6.7	5.5	5.2	3.1	2.2	1.3	1.1
32	4		9		500		1917		1240		510	

MEAN	1.05	1.09	8.58	18.2	17.2	29.9	63.9	54.5	41.3	26.0	16.5	12.0
ACRE-FOOT	64.	65.	527.	1120.	992.	1840.	3800.	3350.	2460.	1600.	1010.	716.
Remarks:												
YEAR OR PERIOD	24.2											
MEAN ACRES-FOOT	1750.											

74071M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U14-R

Daily discharge, in second-feet of ROCK CREEK above Mouth of Canyon for the year ending September 30, 1953												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	7.4	9.1	9.7	9.7	8.0	7.0	7.0	5.6	4.4	3.1	2.6
2	11	8.0	11	9.7	9.7	8.0	7.0	7.0	6.0	4.4	2.8	2.6
3	10	8.0	9.1	9.7	9.7	8.0	7.0	7.0	6.0	4.4	2.8	2.6
4	9.7	8.0	8.8	9.7	9.7	8.0	7.0	6.4	6.0	4.0	2.8	2.6
5	9.7	8.6	8.6	9.7	9.7	8.0	7.0	6.4	6.0	4.0	2.8	2.3
6	9.1	8.6	8.6	9.7	9.1	8.0	7.4	6.4	6.0	4.0	2.8	2.3
7	9.1	9.1	8.6	10	9.1	8.0	7.4	6.4	5.6	4.0	2.6	2.3
8	9.1	11	8.6	12	9.1	8.0	8.0	6.4	5.6	4.0	2.6	2.3
9	9.1	9.1	8.0	14	9.1	8.0	8.0	6.4	5.6	4.0	2.6	2.6
10	9.1	8.6	8.0	12	9.1	8.0	8.0	6.4	5.2	4.0	2.8	2.6
11	9.1	8.0	8.0	11	8.6	8.0	7.4	6.4	4.8	4.0	3.1	2.6
12	9.1	8.0	8.0	11	8.6	8.0	7.4	6.4	4.8	4.0	3.1	2.6
13	9.1	8.0	7.4	10	8.6	8.0	7.4	6.4	4.8	4.0	3.1	2.6
14	9.1	8.6	7.0	10	8.6	8.0	7.4	6.4	4.8	4.0	3.1	2.6
15	9.1	9.7	7.0	10	8.0	8.0	7.4	6.4	4.8	3.7	2.8	2.3
16	8.6	9.1	7.0	10	8.0	7.4	7.4	6.4	4.8	3.7	2.6	2.3
17	8.6	9.1	9.1	9.7	8.0	7.4	7.4	6.0	4.8	3.7	2.6	2.3
18	8.6	8.6	9.1	9.1	7.4	7.4	7.4	6.0	4.8	3.7	2.6	2.3
19	8.6	7.4	8.6	9.1	7.4	7.4	7.4	6.0	4.4	3.4	2.6	2.3
20	8.6	7.4	1.3	9.1	7.4	7.4	7.4	6.0	4.4	3.4	2.6	2.3
21	8.6	7.4	1.1	9.1	7.4	7.4	7.4	6.0	4.4	3.1	2.6	2.3
22	8.0	7.4	10	9.1	7.4	7.4	7.4	5.6	4.4	3.1	2.6	2.3
23	8.0	7.4	9.7	9.1	7.4	7.4	7.4	5.6	4.4	3.1	2.6	2.3
24	8.0	7.4	9.7	9.1	7.4	7.4	7.4	5.6	4.4	3.1	2.6	2.3
25	7.4	7.4	9.7	9.1	8.0	7.4	7.4	5.6	4.4	2.8	2.6	2.3
26	7.4	7.4	9.7	9.7	8.6	7.4	7.0	5.6	4.4	2.8	2.6	2.3
27	8.0	7.4	9.7	9.7	8.6	7.4	7.0	5.6	4.0	2.8	2.6	2.3
28	8.0	7.4	9.7	9.7	8.0	7.4	7.0	5.6	4.0	2.8	2.6	2.3
29	8.0	7.4	9.7	9.7	7.4	7.4	7.0	5.6	4.0	2.8	2.8	2.0
30	7.4	8.6	10	9.7	7.4	7.4	7.0	5.6	4.4	3.1	2.8	2.0
31	7.4	9.7	9.7	9.7	7.4	7.4	7.0	5.6	4.4	3.1	2.8	2.0
	271.6		281.2		237.4		219.8		147.6		85.1	
		245.5		308.9		238.4		190.2		111.4		71.1
MEAN	8.76	8.18	9.07	9.96	8.48	7.69	7.33	6.14	4.92	3.59	2.75	2.37
ACRE- FEET	539	487	558	613	471	473	436	377	293	221	169	141
Remarks:	YEAR OR PERIOD MEAN ACRE-FOOT 6.50 4780											

STATION U6-R
ROGERS CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'55", LONG. 117°54'20", IN NW 1/4 NW 1/4 SEC. 23, T.1N., R.10W., 0.5 MILE UPSTREAM FROM MOUTH AND 2.5 MILES NORTH OF AZUSA. ALTITUDE OF GAGE ABOUT 800 FEET.

DRAINAGE AREA: 6.4 SQUARE MILES.

RECORDS AVAILABLE: MAY 1916 TO JUNE 1917. (DISCHARGE MEASUREMENTS ONLY.)
OCTOBER 1917 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 36 YEARS, 3.10 SECOND- FEET

EXTREMES OF DISCHARGE:

1851-52
MAXIMUM DISCHARGE 867 SECOND- FEET JANUARY 16. (GAGE HEIGHT 7.68 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.

1952-53
MAXIMUM DISCHARGE 115 SECOND- FEET DECEMBER 1. (GAGE HEIGHT 4.40 FEET.)
MINIMUM NO FLOW DURING SOME MONTHS.

1917-53
MAXIMUM DISCHARGE ABOUT 2600 SECOND- FEET APRIL 7, 1926.
MINIMUM NO FLOW DURING PART OF EACH YEAR.

REMARKS: RECORDS GOOD. ONE SMALL DIVERSION ABOVE STATION FOR IRRIGATION.

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

DISCHARGE MEASUREMENTS OF ROGERS CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE MED. FT.	RAT- ING	METH- OD	MEAN RED. NO.	D. HT. CHARGE TOTAL	METER NO.
1540	12-5		USGS	11.8	8.08	1.31	3.13	10.6	.6	23	-03		
1541	12-7		"	3.0	1.10	0.80	2.66	0.83	.5	8	0		
1542	12-29		"	17.0	15.2	2.11	3.67	32.0	.6	18	+10		
1543	12-30		"	23.0	26.0	3.11	4.34	98.8	.6	36	-14		
1544	12-31		"	14.0	10.1	1.68	3.24	17.0	.6	27	-01		
1545	1-7		"	3.6	1.72	1.71	2.77	2.94	.6	16	0		
1546	1-13		"	11.5	13.8	2.43	3.49	33.5	.6	25	+02		
1547	1-14	0940 0950	MOON	5.0	2.75	1.96		5.4	.6	7		FC22	
1548	1-16		USGS	30.0	32.1	8.88	5.44	285.	.6	11	-05		
1549	1-17		"	20.0	9.35	5.33	3.97	49.8	.6	15	+01		
1550	1-19		"	14.0	17.4	4.22	3.56	73.5	.6	15	-02		
1551	1-22		"	16.0	10.3	1.87	3.36	19.3	.6	19	-01		
1552	1-25	1303 1310	MOON-MURPHY	10.4	7.51	2.73	3.32	20.5	.6	9	0	FC22	
1553	1-30		USGS	9.5	8.27	1.11	3.12	9.22	.6	17	0		
1554	1-31	1159 1209	MOON	10.4	5.82	1.86	3.12	10.8	.6	6	0	FC22	
1555	2-6		USGS	8.8	5.92	0.47	3.00	2.81	.6	17			
1556	2-7	0936 0942	MOON	9.0	4.47	1.25	2.99	5.6	.6	6	0	FC22	
1557	2-14		USGS	7.9	4.66	0.92	2.92	4.28	.6	19	0		
1558	2-21	1102 1114	MOON	5.5	2.75	1.75	2.86	4.8	.6	8	0	FC22	
1559	2-27		USGS	9.1	4.32	0.69	2.84	2.97	.6	19	0		
1560	2-28	1500 1510	MOON	4.4	2.31	1.48	2.82	3.4	.6	7	0	FC22	
1561	3-7		USGS	17.0	17.8	3.96	3.99	70.5	.6	18	-02		
1562	3-11	1305 1317	MOON-HYDE	19.0	13.4	2.53	3.49	33.9	.6	11		FC22	
1563	3-13		USGS	12.3	10.2	2.75	3.42	28.0	.6	17	0		
1564	3-16		"	15.0	22.6	4.67	4.19	105.	.6	15	0		
1565	3-24	1327 1337	MOON	12.5	10.2	2.16	3.26	22.0	.6	9		FC22	
1566	3-26		USGS	13.9	11.0	1.78	3.22	19.6	.6	25	0		
1567	4-4		"	11.7	8.63	1.30	3.00	11.2	.6	21	0		
1568	4-17		"	12.0	6.39	1.21	2.94	7.71	.6	19	0		
1569	4-17	1520 1530	MOON	12.0	6.42	1.17	2.94	7.5	.6	8		FC22	
1570	4-23	1545 1600	"	10.6	4.73	1.25	2.91	5.9	.6	12		"	
1571	4-28		USGS	12.0	6.26	1.15	2.96	7.23	.6	18	0		
1572	4-30	1515 1530	MOON	9.5	5.83	1.15	2.93	6.7	.6	11		FC22	
1573	5-2		USGS	11.7	5.88	1.01	2.91	5.91	.6	19	0		
1574	5-7	1522 1545	MOON	9.2	4.29	1.10	2.87	4.7	.6	11		FC22	
1575	5-15	1355 1410	"	9.5	4.15	0.99	2.85	4.1	.6	11		"	
1576	5-16		USGS	11.7	4.96	0.85	2.83	4.20	.6	18	0		
1577	5-22	1525 1535	MOON	8.5	3.92	0.77	2.79	3.0	.6	10		FC22	
1578	5-23	1500 1510	"	8.5	3.91	0.69	2.74	2.7	.6	11		"	
1579	6-5	1607 1620	"	8.7	3.83	0.65	2.75	2.5	.6	11		"	
1580	6-10		USGS	11.7	4.53	0.47	2.77	2.13	.6	17	0		
1581	6-12	1337 1347	MOON	6.5	3.37	0.56	2.80	1.9	.6	8		FC22	
1582	6-19	1430 1440	"	6.7	2.99	0.69	2.77	2.0	.6	9		FC48	
1583	6-25		USGS	11.3	5.13	0.45	2.80	2.33	.6	18	0		
1584	6-26	1319 1330	MOON	6.7	3.15	0.83	2.81	2.6	.6	9		FC48	
1585	7-2		USGS	11.3	5.47	0.25	2.76	1.35	.6	13	0		
1586	7-3	1335 1347	MOON	6.5	2.73	0.62	2.74	1.7	.5	8	0	FC48	
1587	7-15		USGS	11.3	6.14	0.14	1.71	0.84	.6	17	-01		
1588	7-17	1540 1550	KASHAHOFF	6.1	1.46	0.75	2.71	1.1	.5	8		FC47	
1589	7-31		USGS	4.5	0.79	0.65	2.68	0.52	.6	17	0		
1590	8-14		"				2.65	0.17				FLUME	
1591	8-28		"				2.53	0.10				FLUME	
1592	9-11		"	2.1	2.10	0.52	2.51	0.11	.5	8	+01		
1593	9-26		"	2.2	0.33	0.42	2.49	0.14	.5	13	-01		

DISCHARGE MEASUREMENTS OF ROGERS CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE MED. FT.	RAT- ING	METH- OD	MEAN RED. NO.	D. HT. CHARGE TOTAL	METER NO.
1594	10-17		USGS	1.5	0.39	0.34	2.48	0.13	.5	10	0		
1595	10-31		"				2.52	0.18		FLUME			
1596	11-7	1046 1058	WHISLER	2.2	0.37	0.57	2.50	0.21	.6	6	0	FC5	
1597	11-15		USGS	10.9	6.98	1.66	3.19	11.6	.6	23	-02		
1598	11-26	0852 0857	MOON	1.6	0.64	1.17	2.68	0.75	.5	5	0	FC29	
1599	11-29		USGS	1.9	0.64	1.26	2.68	0.78	.6	11	0		
1600	12-2		"	11.0	5.09	1.45	3.03	7.39	.6	25	-01		
1601	12-3	1136 1147	MOON	12.0	3.08	0.81	2.86	2.5	.5	9	0	FC29	
1602	12-11	1350 1358	"	3.2	0.65	1.17	2.74	0.76	.5	6	0	FC48	
1603	12-11		USGS	5.0	1.94	0.46	2.74	0.90	.6	18	0		
1604	12-20		"	12.8	6.91	1.96	3.20	13.5	.6	14	0		
1605	12-23	1545 1555	MOON	5.5	2.16	0.74	2.79	1.6	.5	9	0	FC48	
1606	12-31	1125 1135	"	6.5	2.43	1.19	2.88	2.9	.5	9	0	FC29	
1607	1-8	1518 1528	"	7.0	2.27	1.19	2.89	2.7	.6	9	0	"	
1608	1-13		USGS	5.0	2.34	1.01	2.82	2.37	.6	19	0		
1609	1-16	1300 1312	MOON	6.5	1.93	0.83	2.80	1.6	.5	9	0	FC48	
1610	1-23	1515 1515	"	7.0	1.66	0.78	2.77	1.3	.5	9	0	"	
1611	1-27		USGS	5.3	2.07	0.52	2.74	1.09	.6	20	0		
1612	1-29	1500 1510	MOON	5.3	2.14	0.51	2.74	1.1	.5	8	0	FC48	
1613	2-5	1544 1554	"	5.5	2.12	0.46	2.73	0.97	.5	8	0	"	
1614	2-11	1538 1546	"	4.7	1.77	0.46	2.72	0.82	.5	7	0	"	
1615	2-26	1440 1450	"	4.7	1.67	0.50	2.73	0.83	.5	8	0	"	
1616	2-26		USGS	4.7	1.53	0.47	2.73	0.72	.5	15	0		
1617	3-12	1440 1455	MOON	4.2	1.05	0.69	2.74	0.73	.5	11	0	FC48	
1618	3-12		USGS	4.5	1.03	0.62	2.74	0.64	.5	14	0		
1619	3-12	1440 1450	MOON	3.6	0.82	0.63	2.74	0.52	.5	9	0	FC46	
1620	3-26		USGS	3.3	0.95	0.75	2.74	0.71	.5	13	0		
1621	4-2	1430 1440	MOON	3.3	0.92	0.75	2.72	0.69	.5	8	0	FC48	
1622	4-9		USGS	3.3	0.88	0.52	2.71	0.46	.5	13	0		
1623	4-16	1400 1410	MOON	3.0	0.67	0.81	2.69	0.54	.5	7	0	FC48	
1624	4-22		USGS	3.0	0.79	0.73	2.72	0.58	.5	12	0		
1625	4-30	1510 1520	MOON	3.2	1.02	0.98	2.75	1.0	.5	8	0	FC29	
1626	5-7		USGS	3.3	0.72	0.49	2.66	0.35	.5	13	0		
1627	5-14	1402 1412	MOON	3.3	0.61	0.31	2.64	0.19	.5	8	0	FC48	
1628	5-21		USGS	3.3	0.79	0.49	2.67	0.39	.5	13	0		
1629	5-28	1545 1553	MOON	3.1	0.84	0.62	2.68	0.52	.5	8	0	FC48	
1630	6-4		USGS	2.0	0.45	0.49	2.62	0.22		11	0		
1631	6-11	1544 1551	MOON	2.0	0.48	0.52	2.60	0.25	.5	5	0	FC29	
1632	6-16		USGS				CHANNELS	2.50	0.14				
1633	6-24		"					2.20	0.05	EST.			

FD-724 (R. O. Dist. 55) 9-46

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	6.9	9.1	8.8	13	6.2	2.8	1.3	0.4	0.1
2	0	0	1.5	3.7	8.1	5.6	12	5.9	2.8	1.3	0.4	0.1
3	0	0	1.4	2.6	7.2	4.5	11	5.6	2.6	1.6	0.2	0.1
4	0	0	1.2	2.0	6.9	4.2	11	5.1	2.4	1.5	0.2	0.1
5	0	0	1.0	1.6	6.2	4.0	11	5.1	2.6	1.3	0.2	0.1
6	0	0	1.7	1.5	5.6	4.0	11	4.8	2.6	1.3	0.2	0.1
7	0	0	0.9	2.8	5.6	5.0	11	4.8	2.4	0.9	0.2	0.1
8	0	0	0.6	1.8	5.4	3.1	9.8	4.5	2.2	0.9	0.2	0.1
9	0	0	0.4	1.5	5.4	2.2	9.8	4.2	2.2	0.7	0.2	0.1
10	0	0	0.3	1.3	4.8	3.2	9.8	4.0	2.4	0.7	0.2	0.1
11	0	0	0.3	1.0	4.8	3.6	9.4	3.7	2.0	0.6	0.2	0.1
12	0	0	3.7	2.3	4.5	3.2	9.1	3.4	1.6	0.6	0.2	0.1
13	0	0	2.7	4.3	4.2	2.7	8.8	3.4	1.6	0.6	0.2	0.1
14	0	0	1.4	5	3.7	2.3	8.5	3.4	1.8	0.6	0.1	0.1
15	0	0	1.0	5	3.7	6.8	8.5	3.7	1.8	0.6	0.1	0.1
16	0	0	0.7	3.6	3.7	10.1	8.5	4.5	2.0	0.7	0.1	0.1
17	0	0	0.7	8.3	3.4	7.3	7.8	4.0	2.0	0.7	0.1	0.1
18	0	0	0.5	15.5	3.4	6.0	7.8	3.7	2.2	0.7	0.1	0.1
19	0	0	0.9	6.8	3.4	4.9	8.8	3.4	2.2	0.6	0.1	0.1
20	0	0	0.7	4.1	3.4	4.1	7.8	3.2	2.0	0.6	0.1	0.1
21	0	0	0.7	2.9	3.2	3.4	7.5	3.2	2.0	0.6	0.1	0.1
22	0	0	0.5	1.9	3.2	2.8	7.2	3.2	2.0	0.6	0.1	0.1
23	0	0	0.4	1.8	3.2	2.4	6.6	3.2	2.0	0.5	0.1	0.1
24	0	0	0.4	1.8	3.0	2.2	6.2	3.2	2.0	0.5	0.1	0.1
25	0	0	0.3	1.8	3.0	2.0	7.8	3.2	2.4	0.5	0.1	0.2
26	0	0	0.3	1.7	3.0	1.9	7.2	3.2	2.4	0.5	0.1	0.2
27	0	0	0.3	1.5	2.8	1.8	6.2	3.2	2.0	0.5	0.1	0.2
28	0	0	0.2	1.3	2.8	1.6	6.9	3.2	2.0	0.5	0.1	0.2
29	0	0	1.6	1.2	6.4	1.5	7.5	3.0	1.8	0.5	0.1	0.3
30	0	0	5.1	1.1		1.5	6.6	3.0	1.3	0.5	0.1	0.3
31	0	0	1.5	1.0		1.4		2.8		0.5	0.1	
0			115.7		133.1		264.1		63.9		4.8	
MEAN	0	0	3.73	30.2	4.59	29.1	8.80	3.90	2.13	0.76	0.15	0.13
ACRE- FEET	0	0	229.	1860.	264.	1790.	524.	240.	127.	47.	9.5	7.5

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 7.01 5100.

FD-724 (R. O. Dist. 55) 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U6-R

Daily discharge, in second-feet of ROGERS CREEK above Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	1.0	2.2	1.0	0.7	0.7	0.7	0.3	0	0	0
2	0.1	0.4	1.0	1.8	1.0	0.7	0.7	0.4	0.3	0	0	0
3	0.1	0.4	2.4	1.5	1.0	0.7	0.6	0.4	0.2	0	0	0
4	0	0.3	1.5	1.3	1.0	0.7	0.6	0.4	0.2	0	0	0
5	0	0.2	1.3	1.3	1.0	0.7	0.7	0.3	0.2	0	0	0
6	0	0.2	1.0	1.8	1.0	0.6	0.9	0.2	0.4	0	0	0
7	0	0.3	1.0	5.2	1.0	0.6	0.7	0.2	0.4	0	0	0
8	0	2.0	0.9	3.0	1.0	0.6	0.6	0.3	0.4	0	0	0
9	0.1	0.5	0.9	2.6	1.0	0.6	0.6	0.3	0.4	0	0	0
10	0.1	0.2	0.7	2.4	1.0	0.6	0.5	0.2	0.2	0	0	0
11	0.1	0.1	0.7	2.2	1.0	0.6	0.5	0.1	0.2	0	0	0
12	0.2	0.1	0.6	2.2	0.9	0.6	0.5	0.1	0.1	0	0	0
13	0.2	0.1	0.6	2.2	0.9	0.6	0.5	0.1	0.1	0	0	0
14	0.2	3.3	0.6	2.6	0.9	0.6	0.5	0.1	0.1	0	0	0
15	0.2	5.4	0.6	2.0	0.9	0.6	0.5	0.2	0.1	0	0	0
16	0.1	3.4	0.6	1.6	0.7	0.6	0.5	0.3	0.2	0	0	0
17	0.1	1.0	0.6	1.5	0.6	0.6	0.5	0.4	0.4	0	0	0
18	0.1	0.5	0.6	1.3	0.5	0.6	0.5	0.3	0.7	0	0	0
19	0.1	0.4	0.6	1.3	0.5	0.7	0.5	0.2	0.9	0	0	0
20	0.1	0.3	6.0	1.3	0.5	4.0	0.7	0.2	1.0	0	0	0
21	0.1	0.3	2.4	1.3	0.6	1.8	1.0	0.4	0.5	0	0	0
22	0.1	0.5	1.8	1.0	0.6	1.3	0.7	0.2	0.3	0	0	0
23	0.1	1.3	1.6	1.0	1.0	1.0	0.6	0.2	0.2	0	0	0
24	0.1	0.5	1.3	1.0	1.0	0.9	0.5	0.2	0.1	0	0	0
25	0.2	0.7	1.3	1.0	0.7	0.9	0.4	0.2	0.1	0	0	0
26	0.2	0.7	1.3	1.0	0.7	0.7	0.4	0.2	0	0	0	0
27	0.1	0.7	1.0	1.0	0.7	0.7	1.3	0.2	0	0	0	0
28	0.1	0.7	2.0	1.0	0.7	0.7	2.0	0.4	0	0	0	0
29	0.1	1.3	1.3	1.0	0.7	0.7	1.0	0.4	0	0	0	0
30	0.1	2.2	2.4	1.0	0.7	0.7	0.9	0.3	0	0	0	0
31	0.1		3.0	1.0	0.7	0.7		0.2		0	0	
0	3.3		60.6		23.4		20.6		8.0	0	0	0
MEAN	0.11	0.95	1.95	1.70	0.84	0.84	0.69	0.27	0	0	0	0
ACRE- FEET	6.5	56	120	104	46	52	41	17	16	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 0.53 458

STATION FB2C-R
RUBIO WASH at Glendon Way

LOCATION: WATER-STAGE RECORDER, LAT. 34°04'27", LONG. 118°04'35", ON THE LEFT (EAST) SIDE OF CHANNEL 10 FEET SOUTH OF THE WESTERLY EXTENSION OF GLENDON WAY, ROSEMEAD. ELEVATION OF ZERO GAGE HEIGHT, 274.06 FEET.

DRAINAGE AREA: 13.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 48.1 FT. WIDE X 10.5 FT. DEEP TO BOTTOM OF 0.5 FT. INVERT WITH 0.5 FT. FILLETS AT VERTICAL SIDE WALLS.

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

RECORDER: INSTALLED NOVEMBER 6, 1936 OVER A 4 FT. X 3 FT. CONCRETE WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY LAS FLORES AND RUBIO DEBRIS BASINS.

DIVERSIONS: NONE.

RECORDS AVAILABLE: NOVEMBER 6, 1936 TO SEPTEMBER 30, 1953. FOR PREVIOUS RECORDS ON RUBIO WASH SEE STATIONS FB2-R, F107-R, FB2B-R, IN PREVIOUS REPORTS.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 3020 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW PART OF YEAR.

1952-53
MAXIMUM 2200 SECOND-FEET NOVEMBER 15.
MINIMUM NO FLOW PART OF YEAR.

1930-53 (STATIONS FB2-R, FB2B-R, FB2C-R)
MAXIMUM 3020 SECOND-FEET JANUARY 16, 1952
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: 6000.

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.

FD-754 F. C. Dist. 52 2-55

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FB2C-R

Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	6.4	1.0	0.2	19	0.1	1.0	a +	a 0.1	a +	a +
2	0.1	0.1	8.2	0.2	0.1	1.4	0.1	0.2	+	0.1	+	+
3	0.1	+	0.4	0.1	0.1	0.2	0.1	0.2	+	0.1	+	+
4	0.1	+	2.5	0.1	0.1	0.2	0.1	0.2	+	0.1	+	+
5	0.1	0.1	4.3	+	0.1	0.2	0.1	0.1	+	0.1	+	+
6	0.1	+	1.0	10.2	0.1	16.2	0.1	0.1	+	0.1	+	+
7	0.1	+	0.2	27	0.1	241	63	0.1	+	0.1	+	+
8	0.1	0.1	0.1	1.9	0.1	12.6	6.0	0.1	+	0.1	+	+
9	0.1	0.1	0.1	0.4	0.2	3.6	1.4	0.1	+	0.1	+	+
10	0.1	0.1	0.1	0.2	0.2	2.0	1.4	0.1	+	0.1	+	+
11	0.1	0.1	2.2	0.2	0.1	6.0	6.0	0.1	+	0.1	+	+
12	0.1	0.1	5.5	18.5	0.1	14.2	1.0	0.1	+	0.1	+	+
13	0.1	0.1	1.9	2.8	0.1	12.1	0.4	0.1	+	0.1	+	+
14	0.1	0.1	0.4	4.8	0.1	6.0	0.1	0.1	+	0.1	+	+
15	0.1	0.1	0.2	2.54	0.1	2.22	0.1	0.1	+	0.1	+	+
16	0.2	0.1	0.2	2.37	0.1	2.9	0.1	0.1	+	+	+	+
17	0.1	0.1	0.2	3.35	0.1	8.2	0.1	0.1	+	+	+	0.1
18	0.1	0.1	0.2	1.09	0.1	3.6	0.1	0.1	+	+	+	0.1
19	0.1	8.3	12.4	7.1	0.1	1.9	4.0	0.1	+	+	+	0.2
20	0.1	4.2	0.4	2.5	0.1	1.0	4.8	0.1	+	+	+	0.2
21	0.1	7.6	0.1	1.0	0.1	0.4	1.0	0.1	+	+	+	0.2
22	0.1	1.0	0.1	0.2	0.1	0.2	0.4	0.1	+	+	+	0.2
23	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	+	+	+	0.2
24	3.8	0.1	0.1	1.3	0.1	0.1	0.1	0.1	+	+	+	0.2
25	3.7	0.1	0.1	2.8	0.1	0.1	14.4	0.2	+	+	+	0.2
26	0.2	0.1	+	1.4	0.1	0.1	6.0	0.2	+	+	+	0.2
27	0.1	+	0	0.4	0.1	0.1	1.4	0.2	+	+	+	0.2
28	0.1	0.1	0	0.2	0.1	0.1	7.8	+	+	+	+	0.2
29	0.1	0.1	13.4	0.1	4.4	0.1	9.4	+	+	+	+	0.2
30	0.1	0.2	7.9	0.1	0.1	0.2	2.5	+	a +	a +	a +	0.2
31	0.1	6.0	0.2	0.2	0.2	0.2	0.2	+	+	+	+	0.2
	43.9	135.9	396.9	1236.8	471	620.1	182.3	4.2	+	1.5	+	2.6

MEAN	1.42	4.53	12.8	39.9	1.62	20.0	6.98	.135	+	.028	+	.097
NO. DAYS	87.	270.	787.	2450.	93.	1220.	362.	8.3	+	3.0	+	5.2
REMARKS: + = 0.95 c.f.s. or less												
YEAR OR PERIOD	MEAN 7.30											
	ACRE-FEET 5300.											

Form 7, F. C. Dist. 22 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

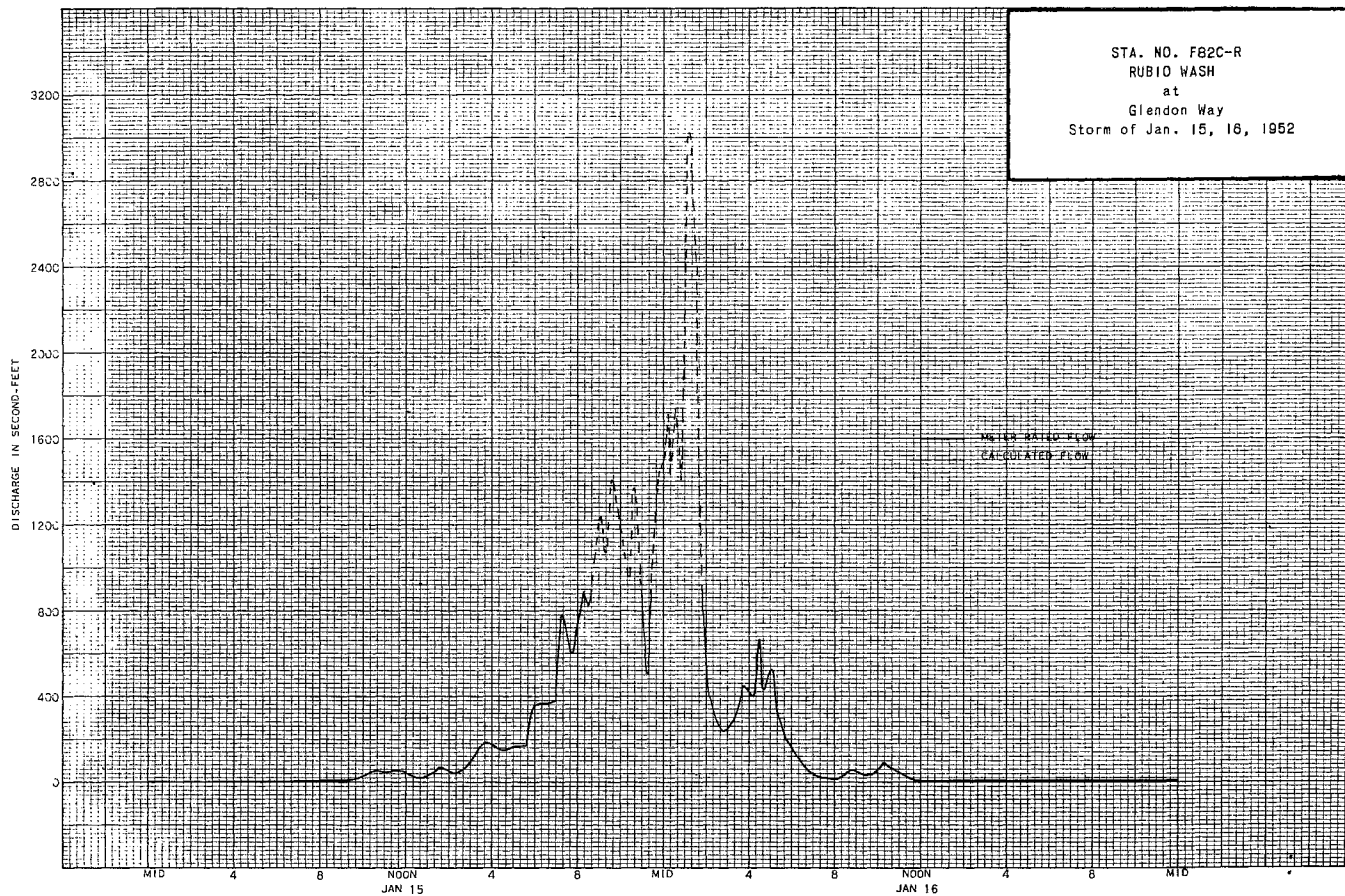
Sta. No. FB2C-R

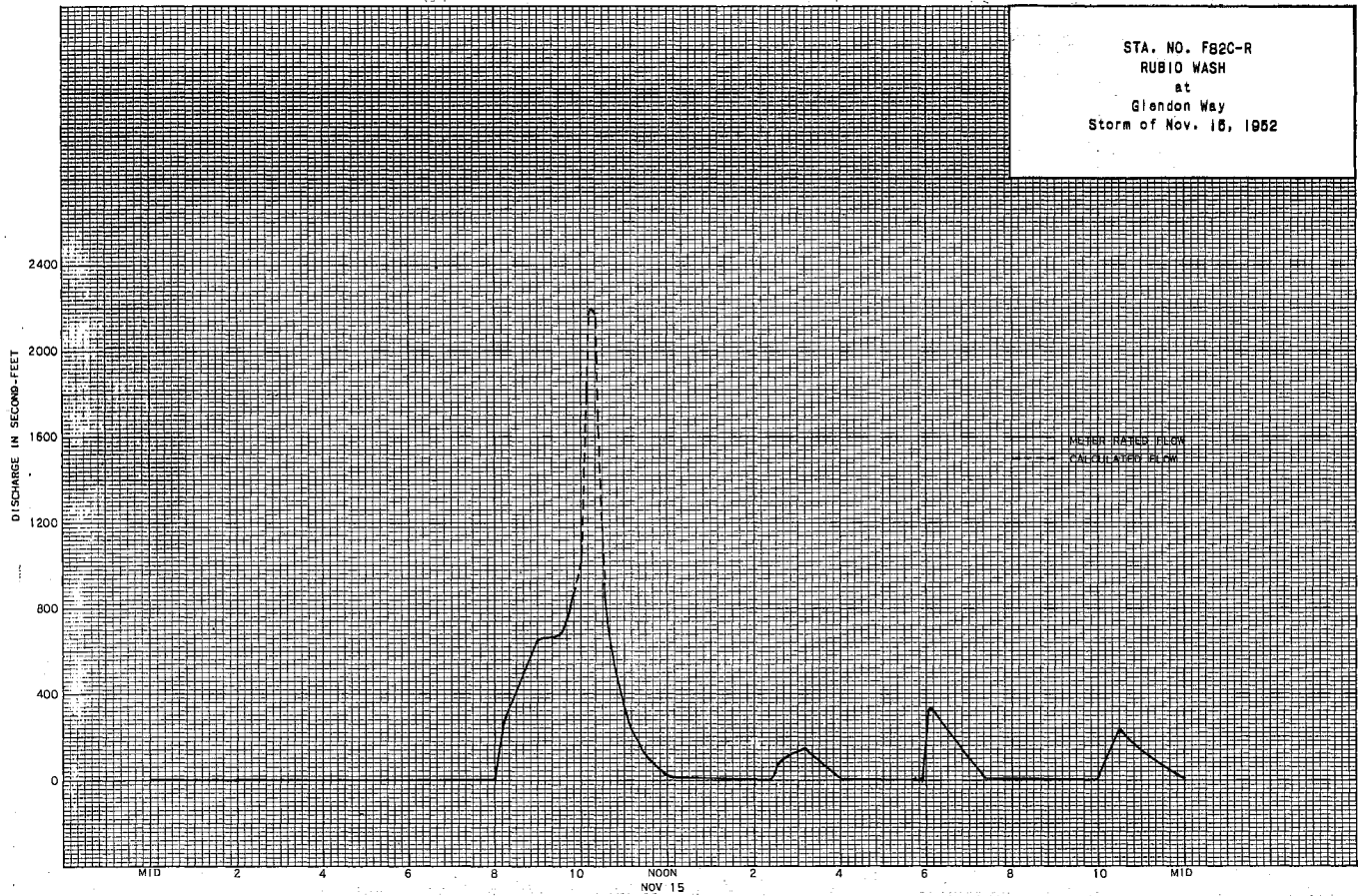
Daily discharge, in second-feet of RUBIO WASH at Glendon Way for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	9.4	b	+	12.0	0.2	+	+	+	+	+
2	0.1	0.1	b	+	+	0.6	0.2					
3	0.1	0.1	+	+	+	0.6	0.2					
4	0.1	+	+	+	+	0.2	0.2					
5	0.1	+	+	b	+	0.2	0.2					
6	0.1	0.1	+	5.6	+		0.4					
7	0.1	0.7	+	1.1	+		0.2					
8	0.1	2	+	1.5	+		0.2					
9	0.1	0.1	+	+	+		0.2					
10	0.1	0.1	+	b	+		0.2					
11	0.1	0.1	+	b	+		0.1					
12	0.1	+	+	b	+		0.1					
13	0.1	+	+	13.7	+		0.1					
14	0.1	7.5	+	0.1	+		0.1					
15	0.1	13.3	+	b	+		0.2					
16	0.2	5.0	+	+	+		0.2	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer
17	0.2	1.0	+	+	+		0.2					
18	0.2	0.2	+	+	+		0.2					
19	0.2	0.1	b	+	+		0.2					
20	0.2	0.1	10.3	+	+	21.0	1.0					
21	0.1	+	0.2	+	+	0.2	4.0	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer
22	0.1	3.6	+	+	b	0.1	0.2					
23	0.1	+	+	+	+	+	+					
24	0.1	1.4	b	+	2.5	0.2	+	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer	Stopped for Summer
25	0.1	0.2	+	+	0.6	0.2	+					
26	0.1	0.1	+	+	0.4	0.1	+					
27	0.1	+	b	+	0.2	0.2	2.5					
28	0.1	+	3.8	+	3.5	0.2	0.2					
29	0.1	0.2	+	+	+	0.2	+					
30	0.1	0.8	b	+	+	0.2	+					
31	0.1	+	4.4	0.1	+	0.2	+					
	3.5		279.3		29.9		53.2	+	+	+	+	+
		283.3		32.8		36.2						
MEAN	0.11	9.44	9.01	1.06	1.07	1.81	1.77	+	+	+	+	+
ACR-PEAK	6.9	562.	554.	65.	59.	111.	106.	+	+	+	+	+

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

YEAR OR PERIOD MEAN ACR-PEET 2.02 1460.





STATION U15-R
SAN ANTONIO CREEK below Edison Co. Power Plant

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. $34^{\circ}12'50''$, LONG. $117^{\circ}40'00''$, IN NW 1/4 SE 1/4 SEC. 26, T.2N., R.8W., 0.5 MILE UP-STREAM FROM SOUTHERN CALIFORNIA EDISON COMPANY'S SIERRA POWER PLANT AND 8 MILES NORTHEAST OF CLAREMONT. ALTITUDE OF GAGE ABOUT 3400 FEET.

DRAINAGE AREA: 16.9 SQUARE MILES.

RECORDS AVAILABLE: MARCH 1901 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 36 YEARS (1917-53), 9.99 SECOND-FEET. AVERAGE COMBINED DISCHARGE OF CREEK AND CONDUIT: 36 YEARS (1917-53), 22.5 SECOND FEET;

EXTREMES OF DISCHARGE:

1951-52

MAXIMUM DISCHARGE DURING YEAR 74 SECOND-FEET APRIL 7. GAGE HEIGHT 2.26 FEET.

MINIMUM PRACTICALLY NO FLOW OCTOBER 17 - 21.

1952-53

MAXIMUM DISCHARGE DURING YEAR 24 SECOND-FEET DECEMBER 1. GAGE HEIGHT 1.80 FEET.

MINIMUM 0.2 SECOND-FOOT AUGUST 26-29, SEPTEMBER 7 - 27.

1917-53

MAXIMUM DISCHARGE 21400 SECOND-FEET MARCH 2, 1938. (REVISED BY HYDRO-LOGIC STUDIES.)

MINIMUM PRACTICALLY NO FLOW AUGUST 24-27, 31, SEPTEMBER 1, OCTOBER 17-21, 1951

REMARKS: RECORDS FAIR. SOUTHERN CALIFORNIA EDISON COMPANY'S CONDUIT DIVERTS WATER ABOVE STATION AND COMBINED FLOW IS PUBLISHED HEREWITH.

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

DIBCHARGE MEASUREMENTS OF SAN ANTONIO CREEK
 below Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REG.	GAUGE HEIGHT FEET	DIBCHARGE REG. FT.	RAT. NO.	METH. NO.	MEAN REG. NO.	D. CHARGE TOTAL	METER NO.
1247	10-4		USGS				0.64	0.10		FLUME			
1248	10-11	1230 1223	STUNDEN	1.3	0.12	0.75	0.64	0.09		.5	6		FC50
1249	10-18		USGS				0.64	0.04		FLUME			
1250	10-25	1243 1248	STUNDEN	1.3	0.16	1.18	0.70	0.19		.5	7		FC50
1251	11-2		USGS				0.65 0.69	0.12		FLUME			
1252	11-8	1050 1055	STUNDEN	1.3	0.11	1.27	0.66	0.14		.5	5		FC50
1253	11-13		USGS				0.67	0.15		FLUME			
1254	11-23	1230 1235	STUNDEN	1.4	0.25	2.04	0.74	0.51		.5	6		FC50
1255	11-27		USGS	1.4	0.33	0.97	0.72	0.32		.5	8		
1256	12-5	1150 1155	STUNDEN	1.5	0.26	1.81	0.77	0.47		.5	6		FC50
1257	12-11		USGS	2.4	0.47	0.70	0.72	0.33		.5	13	0	
1258	12-12	1080 1085	STUNDEN	1.5	0.36	2.52	0.85	0.91		.5	5	0	FC36
1259	12-27	1150 1155	"	1.4	0.20	1.60	0.72	0.32		.5	6	0	FC50
1260	12-28		USGS	1.5	0.26	1.15	0.73	0.30		.5	9	0	
1261	12-30		"	13.4	7.88	1.34	1.40	10.5		.5	20	-.02	
1262	1-3	1145 1150	STUNDEN	1.9	0.51	2.55	0.88	1.3		.5	6		FC36
1263	1-17		USGS	14.0	6.63	2.19	1.61	14.5		.5	15	-.01	
1264	1-19		"	14.0	8.42	2.46	1.80	20.7		.5	15	0	
1265	1-29		"	14.0	6.55	0.96	1.17	6.26		.5	15	0	
1266	2-7		"	13.5	5.42	0.85	1.05	4.6		.6	18	0	
1267	2-21		"	14.0	4.20	0.95	1.01	3.97		.5	19	0	
1268	3-12	1115 1120	STUNDEN	2.1	0.64	2.81	0.91	1.8		.5	5	0	FC36
1269	3-21		USGS	14.4	6.06	0.86	1.07	5.23		.5	29	0	
1270	3-26	1150 1200	STUNDEN	3.0	2.09	3.88	1.32	8.1		.6	7	0	FC36
1271	4-9	1225 1245	"	13.0	14.3	3.86	2.13	55.2		.6	12	0	"
1272	4-12		USGS	17.1	17.2	3.15	2.14	54.2		.6	22	0	
1273	4-18		"	17.2	16.2	3.13	2.07	50.7		.5	24	0	
1274	4-23	0850 1000	STUNDEN	15.0	14.4	3.56	2.09	51.2		.6	12		FC36
1275	5-1		USGS	17.4	16.4	2.88	2.04	47.2		.5	23	0	
1276	5-14	1325 1340	STUNDEN	16.5	14.9	3.21	2.15	47.9		.5	13	0	FC36
1277	5-20		USGS	17.4	16.2	2.78	2.09	45.0		.5	20	-.01	
1278	5-29	1100 1110	STUNDEN	16.0	13.5	2.79	2.03	37.7		.6	12		FC36
1279	6-10		USGS	16.7	13.2	2.11	1.88	27.9		.5	19	0	
1280	6-25		"	16.5	12.4	1.23	1.54	14.9		.5	19	0	
1281	6-26	1320 1330	STUNDEN	13.5	10.1	1.20	1.52	12.1		.6	12		FC36
1282	7-7		USGS	14.5	7.65	0.69	1.17	5.29		.5	19	0	
1283	7-9	1315 1325	STUNDEN	13.5	7.68	0.59	1.09	4.5		.5	10	0	FC50
1284	7-21		USGS	14.3	6.24	0.38	0.94	2.35		.5	17	0	
1285	8-6		"	1.8	0.47	3.06	0.88	1.45		.5	10	0	
1286	8-7	1338 1343	STUNDEN	1.7	0.43	2.56	0.87	1.0		.5	7	0	FC50
1287	8-22		USGS	1.7	0.38	2.74	0.83	1.05		.5	9	0	
1288	9-11		"	1.6	0.39	2.72	0.84	1.06		.5	9	0	
1289	9-25	1135 1155	WHISLER	1.6	0.40	1.65	0.87	0.66		.5	8	0	FC5
1290	9-29		USGS	1.7	0.40	2.25	0.87	0.91		.5	10	-.01	

DIBCHARGE MEASUREMENTS OF SAN ANTONIO CREEK
 below Edison Company Power Plant DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC REG.	GAUGE HEIGHT FEET	DIBCHARGE REG. FT.	RAT. NO.	METH. NO.	MEAN REG. NO.	D. CHARGE TOTAL	METER NO.
1291	10-21		USGS	1.8	0.67	1.14	0.90	0.76		.6	11	-.01	
1292	10-31		"	2.3	0.64	1.11	0.94	0.71		.5	6	13	0
1293	11-14		"	3.5	1.70	0.65	0.96	1.11		.6	19	+.02	
1294	11-28		"	2.4	1.05	0.86	0.82	0.90		.6	14	0	
1295	12-2		"	1.8	0.57	3.74	0.92	2.13		.5	6	10	-.02
1296	12-4	1435 1440	WHISLER	1.7	0.40	2.75	0.91	1.1		.5	7	0	FC5
1297	12-9		USGS	2.3	0.88	1.16	0.84	1.06		FLUME	6	14	0
1298	12-19		"	2.2	0.81	1.21	0.83	0.98		FLUME	6	13	0
1299	1-7		"				0.90	1.25		.6	13	0	
1300	1-8	1140 1145	STUNDEN	2.0	0.52	2.69	0.94	1.4		.5	5	0	FC36
1301	1-15		USGS				0.93	1.15		.5	13	0	
1302	1-29	1128 1133	STUNDEN	2.0	0.59	1.34	0.97	0.79		.5	8	0	FC50
1303	2-4		USGS	2.1	0.81	1.15	0.97	0.97		.5	FLUME	13	0
1304	2-10	1050 1055	STUNDEN	1.6	0.32	2.44	0.82	0.78		.5	6	0	FC50
1305	2-16		USGS	2.1	0.74	1.07	0.84	0.79		FLUME	5	10	0
1306	2-25	1333 1343	STUNDEN	2.3	0.99	0.80	0.85	0.70		.5	6	0	FC50
1307	3-4		USGS				0.87	0.90		.6	FLUME	11	0
1308	3-11		"				0.85	0.83		.5	11	0	
1309	3-12	1135 1140	STUNDEN	2.5	0.90	0.89	0.80	0.80		.5	6	0	FC50
1310	3-19		USGS				0.79	0.82		.5	11	0	
1311	3-25	1105 1110	STUNDEN	2.0	0.69	1.15	0.80	0.79		.5	6	0	FC50
1312	4-1		USGS				0.79	0.70		.5	11	0	
1313	4-8	1200 1210	STUNDEN	2.9	0.94	0.92	0.79	0.86		.5	7	0	FC50
1314	4-15		USGS	1.8	0.63	1.08	0.76	0.68		.6	11	0	
1315	4-22	1200 1210	STUNDEN	2.0	0.71	0.90	0.79	0.84		.5	6	0	FC50
1316	4-29		USGS	1.30	0.51	1.67	0.80	0.85		.6	9	0	
1317	5-7	1155 1205	STUNDEN	2.3	0.81	0.57	0.75	0.46		.5	7	0	FC50
1318	5-13		USGS	1.2	0.47	1.28	0.75	0.60		.6	8	0	
1319	5-20	1335 1340	STUNDEN	2.0	0.65	0.86	0.77	0.57					FC50
1320	5-27		USGS				0.76	0.59		.6	8	0	
1321	6-4	1140 1145	STUNDEN	2.4	0.92	0.65	0.77	0.60					FC50
1322	6-10		USGS	1.3	0.47	1.11	0.73	0.52		.6	9		
1323	6-18	1015 1025	STUNDEN	1.3	0.19	2.50	0.74	0.48		.5	5	0	FC50
1324	6-24		USGS	1.2	0.37	0.96	0.71	0.36		.5	6	0	
1325	7-2	1140 1145	STUNDEN	1.2	0.15	2.27	0.70	0.34		.5	5	0	FC50
1326	7-8		USGS				0.68	0.27					
1327	7-16	1100 1110	STUNDEN	1.4	0.14	1.79	0.69	0.25		.5	6	0	FC50
1328	7-22		USGS				0.68	0.23					-.01
1329	7-30	1200 1210	STUNDEN	1.5	0.23	1.30	0.70	0.30		.5	6	0	FC50
1330	8-5		USGS	1.3	0.31	1.04	0.73	0.32		.5	9	0	
1331	8-13	1200 1210	WHISLER	1.7	0.29	0.86	0.73	0.25		.5	7	0	FC50
1332	8-19		USGS	1.2	0.30	0.74	0.72	0.22		.5	8	0	
1333	8-27	1435 1445	WHISLER	1.5	0.25	0.84	0.68	0.21		.5	7	0	FC50
1334	9-2		USGS	1.2	0.31	0.92	0.71	0.28		.5	8	-.03	
1335	9-10	1320 1325	WHISLER	2.0	0.47	0.43	0.66	0.20		.5	7	0	FC50
1336	9-16		USGS	1.1	0.33	0.60	0.65	0.20		.5	7	0	
1337	9-24	1200 1205	STUNDEN	1.3	0.12	1.92	0.67	0.23		.5	5	0	FC50
1338	9-30		USGS	1.0	0.32	0.75	0.67	0.24		.6	7	+.005	

SDFORM F. C. Dist. 58 8-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U15-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	0.1	0.3	0.2	3.6	4.3	3.4	3.3	4.9	3.3	9.2	1.7	1.0		
2	0.1	0.2	0.3	2.0	4.6	2.4	3.5	5.1	3.4	3.4	1.5	1.0		
3	0.1	0.1	0.3	1.4	4.6	1.9	3.5	5.5	3.2	8.0	1.5	1.0		
4	0.1	0.1	0.3	1.4	4.6	2.0	4.0	5.6	3.2	7.4	1.5	1.0		
5	0.1	0.1	1.0	1.3	4.6	2.0	4.5	6.1	3.1	7.0	1.5	1.0		
6	0.1	0.1	0.5	1.1	4.7	1.9	4.9	6.5	3.0	6.4	1.5	1.0		
7	0.1	0.1	0.7	1.1	4.6	2.1	5.6	6.1	3.0	5.8	1.5	1.0		
8	0.1	0.1	0.7	1.0	5.0	1.9	5.8	6.0	2.9	5.2	1.4	1.0		
9	0.1	0.1	0.4	0.8	5.0	1.9	5.8	5.7	2.8	5.2	1.3	1.0		
10	0.1	0.1	0.4	0.7	4.8	3.7	5.8	5.5	2.7	5.0	1.3	1.0		
11	0.1	0.2	0.4	0.6	5.0	2.7	5.6	5.0	2.7	4.4	1.2	1.1		
12	0.1	0.2	0.8	5.7	5.0	2.0	5.2	5.1	2.5	4.2	1.2	1.1		
13	0.1	0.1	0.8	5.2	5.0	1.7	5.1	5.0	2.3	3.7	1.2	1.0		
14	0.1	0.1	1.3	3.2	5.2	1.6	5.1	5.0	2.1	3.0	1.1	1.0		
15	0.1	0.1	1.0	4.6	5.2	1.1	5.2	5.0	1.9	2.8	1.1	1.0		
16	0.1	0.1	0.6	2.1	5.4	1.2	5.1	5.2	1.9	2.7	1.1	0.9		
17	0	0.1	0.6	1.8	6.0	9.5	5.1	5.1	1.8	2.2	1.1	0.9		
18	0	0.1	0.5	2.5	5.8	7.4	5.0	5.6	1.6	2.1	1.1	0.9		
19	0	0.2	0.5	2.1	5.0	5.6	5.2	5.0	1.6	2.0	1.1	1.0		
20	0	0.4	0.4	1.8	4.6	5.2	5.1	4.9	1.5	1.9	1.1	1.1		
21	0	0.3	0.4	1.4	4.2	5.0	5.1	5.1	1.4	2.0	1.1	1.0		
22	0.1	0.4	0.4	1.2	4.2	4.6	5.1	5.2	1.4	2.0	1.1	1.0		
23	0.1	0.5	0.4	1.2	3.7	4.4	5.1	4.9	1.4	1.9	1.0	1.0		
24	0.1	0.4	0.4	9.2	3.4	4.8	5.2	4.5	1.3	1.9	1.0	1.0		
25	0.3	0.4	0.4	9.6	3.0	5.3	5.3	4.3	1.3	1.8	1.1	1.1		
26	0.1	0.3	0.4	9.0	2.7	1.1	5.6	4.2	1.3	1.7	1.1	1.1		
27	0.2	0.3	0.3	8.2	2.2	1.6	5.3	3.9	1.2	1.5	1.1	1.0		
28	0.2	0.3	0.3	7.4	2.2	1.9	5.3	3.8	1.1	1.6	1.1	1.0		
29	0.2	0.3	1.7	6.2	2.4	2.3	5.2	3.9	1.0	1.9	1.1	1.0		
30	0.3	0.2	8.4	5.5	2.8	2.8	5.0	3.5	9.6	2.0	1.1	1.0		
31	0.3	7.4	5.5	5.5	2.9	2.9	3.2	3.2	1.9	1.9	1.0	1.0		
3.6 6.2 32.4 235.3 127.0 233.4 1508 1544 628.6 116.8 37.9 30.2														
MEAN	0.12	0.21	1.04	7.99	4.38	7.53	50.3	49.8	21.0	3.77	1.22	1.01		
ACRE- FEET	7.1	12.	64.	467.	252.	463.	2990.	3060.	1250.	232.	75.	60.		
Remarks:												YEAR OR PERIOD	MEAN ACRE-FEET	12.3 3930.

SDFORM F. C. Dist. 58 8-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

COMBINED Daily discharge, in second-feet of SAN ANTONIO CREEK and Southern California Edison Company's Conduit for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	3.5	3.7	3.6	1.5	2.5	2.4	5.4	7.0	5.4	3.0	2.2	1.6		
2	3.5	3.5	3.7	1.2	2.6	2.3	5.6	7.2	5.5	2.9	2.2	1.6		
3	3.5	3.5	3.7	1.1	2.6	2.3	5.6	7.6	5.3	2.9	2.2	1.6		
4	3.5	3.5	3.7	1.0	2.6	2.3	6.1	7.7	5.3	2.8	2.2	1.6		
5	3.3	3.5	4.9	9.7	2.6	2.3	6.6	8.2	5.2	2.8	2.2	1.6		
6	3.1	3.5	4.4	9.2	2.6	2.3	7.0	8.6	5.1	2.7	2.2	1.6		
7	3.3	3.5	4.6	9.5	2.6	2.3	7.7	8.2	5.1	2.7	2.2	1.6		
8	3.3	3.5	4.6	1.0	2.6	2.3	7.9	8.1	5.0	2.6	2.1	1.6		
9	3.3	3.5	4.3	1.1	2.6	2.3	7.9	7.8	4.9	2.6	2.1	1.5		
10	3.3	3.5	4.3	1.2	2.6	2.3	7.9	7.6	4.8	2.6	2.1	1.6		
11	3.3	3.6	4.3	1.3	2.6	2.3	7.7	7.1	4.8	2.5	2.0	1.6		
12	3.3	3.5	5.7	1.8	2.6	2.3	7.3	7.2	4.8	2.5	2.0	1.7		
13	3.3	3.5	5.7	2.1	2.6	2.3	7.4	7.1	4.4	2.5	1.9	1.6		
14	3.3	3.5	5.7	2.0	2.6	2.3	7.2	7.1	4.2	2.4	1.9	1.5		
15	3.3	3.5	5.6	2.3	2.6	2.3	7.3	7.1	4.0	2.4	1.9	1.5		
16	3.3	3.5	5.7	4.2	2.6	2.3	7.2	7.3	4.0	2.4	1.9	1.5		
17	3.2	3.5	5.3	3.9	2.7	2.3	7.2	7.2	3.9	2.3	1.9	1.5		
18	3.2	3.5	5.2	4.6	2.7	2.8	7.1	7.7	3.7	2.3	1.9	1.5		
19	3.2	3.6	5.2	4.2	2.6	2.7	7.3	7.1	3.7	2.3	1.9	1.5		
20	3.2	3.6	5.1	4.9	2.6	2.6	7.2	7.0	3.6	2.3	1.9	1.5		
21	3.2	3.6	4.9	4.9	2.6	2.6	7.2	7.2	3.5	2.3	1.8	1.5		
22	3.2	3.6	4.9	3.3	2.6	2.6	7.2	7.3	3.5	2.3	1.8	1.5		
23	3.3	4.1	4.9	3.3	2.5	2.5	7.2	7.0	3.5	2.3	1.8	1.5		
24	3.3	4.0	4.9	3.0	2.4	2.6	7.3	6.6	3.4	2.3	1.8	1.5		
25	3.9	4.0	4.9	3.1	2.4	2.7	7.4	6.4	3.4	2.3	1.8	1.5		
26	3.3	3.9	4.9	3.0	2.4	3.2	7.7	6.3	3.4	2.3	1.7	1.5		
27	3.4	3.7	4.8	2.9	2.3	3.7	7.4	6.0	3.3	2.3	1.7	1.6		
28	3.4	3.7	4.8	2.8	2.3	4.0	7.4	5.9	3.2	2.3	1.7	1.6		
29	3.5	3.6	1.0	2.7	2.3	4.4	7.3	6.0	3.1	2.3	1.7	1.6		
30	3.7	3.6	1.7	2.7	2.6	4.9	7.1	5.6	3.1	2.3	1.7	1.5		
31	3.7	2.6	2.6	2.6	2.6	5.0	5.3	5.3	3.1	2.3	1.7	1.5		
104.2 111.7 741.4 885 2138 2195 768 467														
MEAN	3.36	3.72	5.76	23.9	25.4	28.5	71.3	70.8	42.0	24.8	19.4	15.6		
ACRE- FEET	207.	222.	354.	1470.	1460.	1760.	4240.	4350.	2500.	1520.	1190.	926.		
Remarks:												YEAR OR PERIOD	MEAN ACRE-FEET	27.8 20200.

REPORT Ck 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 015-R

Daily discharge, in second-feet of SAN ANTONIO CREEK below Edison Company Power Plant for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.8	2.6	1.0	0.9	0.8	0.7	0.8	0.5	0.4	0.3	0.3
2	1.0	0.8	3.0	1.0	0.9	0.9	0.7	0.7	0.5	0.4	0.3	0.3
3	1.0	0.7	2.4	1.0	1.0	0.9	0.7	0.7	0.5	0.4	0.3	0.3
4	1.0	0.7	2.0	1.0	1.0	0.9	0.8	0.5	0.5	0.4	0.3	0.3
5	0.9	0.7	1.6	1.0	1.0	0.9	0.8	0.5	0.5	0.4	0.4	0.3
6	0.8	0.7	1.5	1.0	0.9	0.8	0.9	0.5	0.5	0.3	0.3	0.3
7	0.7	0.9	1.3	1.4	0.9	0.8	0.9	0.5	0.5	0.3	0.3	0.2
8	0.8	1.4	1.3	1.6	0.9	0.9	0.9	0.5	0.5	0.3	0.3	0.2
9	0.8	1.0	1.2	1.6	0.9	0.9	0.9	0.5	0.6	0.3	0.3	0.2
10	0.7	1.0	1.1	1.4	0.8	0.9	0.9	0.5	0.6	0.3	0.3	0.2
11	0.8	1.0	1.0	1.3	0.7	0.9	0.8	0.5	0.6	0.3	0.4	0.2
12	0.9	0.8	1.0	1.3	0.7	0.8	0.8	0.6	0.5	0.3	0.4	0.2
13	1.0	0.8	1.7	1.3	0.7	0.8	0.8	0.6	0.5	0.3	0.3	0.2
14	0.9	1.6	0.8	1.1	0.8	0.8	0.7	0.7	0.5	0.3	0.3	0.2
15	0.9	2.0	0.9	1.1	0.9	0.8	0.7	0.7	0.5	0.3	0.3	0.2
16	0.8	1.7	0.9	1.1	0.8	0.9	0.7	0.7	0.4	0.3	0.3	0.2
17	0.9	1.2	1.0	1.0	0.8	0.9	0.7	0.7	0.4	0.3	0.3	0.2
18	0.8	1.0	1.0	1.0	0.8	0.9	0.7	0.7	0.5	0.3	0.3	0.2
19	0.7	1.0	1.0	1.0	0.7	0.9	0.5	0.6	0.5	0.3	0.3	0.2
20	0.7	0.9	1.8	1.0	0.8	1.0	0.6	0.5	0.5	0.3	0.3	0.2
21	0.7	0.9	1.5	1.0	0.8	1.0	0.6	0.5	0.5	0.3	0.3	0.2
22	0.7	0.9	1.5	0.8	0.8	1.0	0.6	0.5	0.4	0.3	0.3	0.2
23	0.7	0.9	1.2	0.8	0.8	1.0	0.6	0.5	0.4	0.3	0.3	0.2
24	0.7	1.2	1.0	0.8	0.8	0.9	0.6	0.6	0.4	0.3	0.3	0.2
25	0.7	0.8	1.0	0.8	0.8	0.8	0.6	0.6	0.4	0.3	0.3	0.2
26	0.7	0.8	1.0	0.9	0.8	0.8	0.5	0.6	0.4	0.3	0.2	0.2
27	0.7	0.8	1.0	0.7	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.2
28	0.7	0.8	1.1	0.7	0.7	0.8	0.7	0.6	0.4	0.3	0.2	0.2
29	0.7	1.0	1.0	0.7	0.7	0.7	0.9	0.6	0.4	0.3	0.2	0.3
30	0.7	1.3	1.0	0.7	0.7	0.7	0.9	0.6	0.4	0.3	0.2	0.3
31	0.7	1.3	1.0	0.7	0.9	0.7	0.9	0.5	0.4	0.3	0.3	0.3
	24.8		41.4		23.1		22.0		14.2		9.2	

MEAN	30.1	32.0	26.6	18.2	9.8	6.9						
ACRE-Feet	49	60	82	63	46	53	44	36	28	19	18	14

Remarks: YEAR OR PERIOD MEAN ACRE-Feet 0.71 512

REPORT Ck 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

COMBINED Daily discharge, in second-feet of SAN ANTONIO CREEK and SO. CALIF. EDISON CO.'S CONDUIT for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	13	15	14	14	14	12	12	12	8.4	7.7	7.1
2	15	13	15	13	14	13	12	12	12	8.4	7.7	7.1
3	15	13	14	13	14	13	12	12	12	8.4	7.7	7.1
4	15	12	14	13	14	13	12	12	10	8.4	7.7	7.1
5	15	13	13	13	14	13	12	12	10	8.1	7.7	7.1
6	15	13	12	13	14	13	12	12	12	8.0	7.4	7.1
7	14	12	12	14	14	13	12	12	12	8.0	7.4	6.8
8	14	13	13	15	14	13	12	12	10	8.0	7.4	6.8
9	14	13	13	15	14	13	12	12	11	8.0	7.4	6.8
10	14	13	13	14	14	13	12	12	11	8.0	7.4	7.0
11	14	13	12	13	14	13	12	12	11	8.0	7.5	7.0
12	13	13	12	13	14	13	12	12	10	8.0	7.5	7.0
13	13	13	13	14	14	13	12	12	10	8.0	7.4	7.0
14	13	14	13	13	14	13	12	12	10	8.3	7.4	7.0
15	13	15	12	13	14	13	12	12	10	8.3	7.3	7.0
16	13	15	12	13	13	13	12	12	10	8.3	7.1	7.0
17	13	13	12	13	13	13	12	12	10	8.3	7.1	7.0
18	13	13	12	13	13	13	12	12	10	8.3	7.1	7.0
19	13	13	12	13	13	13	12	12	9.8	8.2	7.1	6.8
20	13	13	15	13	13	13	12	12	9.5	8.2	7.1	6.8
21	13	13	14	13	13	13	12	12	9.2	8.2	7.1	6.8
22	13	13	14	13	13	13	12	12	8.9	8.0	7.1	6.8
23	13	13	13	13	13	12	12	12	8.8	7.9	7.1	6.8
24	13	12	13	14	13	12	12	12	8.8	7.7	6.9	6.5
25	13	13	13	14	13	12	12	12	8.8	7.7	6.9	6.5
26	13	13	13	14	13	12	12	12	8.8	7.7	6.8	6.5
27	13	13	13	14	13	12	13	12	8.8	7.7	6.8	6.5
28	13	13	13	14	13	12	12	12	8.8	7.7	6.8	6.6
29	13	12	13	14	12	12	12	12	8.8	7.7	7.0	6.6
30	13	12	13	14	12	12	12	12	8.8	7.7	7.1	6.6
31	13	12	13	14	12	12	12	12	8.8	7.7	7.1	6.6
	420		404		379		361		300.8		224.8	

MEAN	13.5	13.0	13.0	13.5	13.5	12.7	12.0	12.0	10.0	8.04	7.25	6.86
ACRE-Feet	833	774	801	831	752	780	716	738	597	494	446	408

Remarks: YEAR OR PERIOD MEAN ACRE-Feet 11.3 8170

STATION F151-R
SAN ANTONIO CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'20", LONG. 117°40'54", ON THE RIGHT (WEST) BANK, UPSTREAM FROM ALL HEADGATES OF POMONA VALLEY PROTECTIVE ASSOCIATION SPREADING GROUNDS AND ABOUT 4 MILES NORTHEAST OF CLAREMONT, ELEVATION OF ZERO GAGE HEIGHT, 2081.66 FEET.

DRAINAGE AREA: 26.5 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: FLOWS UP TO 300 SECOND-FEET MEASURED BY WADING. NO FACILITIES FOR MEASURING HIGHER FLOW.

RECORDER: INSTALLED FEBRUARY 20, 1931 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. STATION WAS OUT OF SERVICE FROM MARCH 2, 1938 TO MARCH 30, 1938 AND FROM JANUARY 24, 1943 TO JULY 1, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO MAY 5, 1952 WHEN STATION WAS MOVED TO A TEMPORARY LOCATION ABOUT 500 FEET UPSTREAM. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM MAY 7, 1952 TO FEBRUARY 9, 1953. AN H.C.F. RECORDER INSTALLED AT ORIGINAL LOCATION ON FEBRUARY 9, 1953 AND IN SERVICE TO SEPTEMBER 1953.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION AND POWER DEVELOPMENT.

RECORDS AVAILABLE: FEBRUARY 20, 1931 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 299 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW FOR MOST OF YEAR.
- 1952-53
MAXIMUM 36 SECOND-FEET DECEMBER 2.
MINIMUM NO FLOW MOST OF YEAR.
- 1933-53
MAXIMUM 23,400 SECOND-FEET, ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW FOR SEVERAL MONTHS EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 52

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. NO.	Q. HT. CHANGE TOTAL	METER NO.
533	12-5	1115 1120	STUNDEN	2.0	0.64	0.45	7.23	0.29	LOGS	7	-03	
534	12-29	1540 1530	"	20.0	6.90	1.59	8.11	11.0		.5 11	+01	FC36
535	12-29	2120 2130	STUNDEN-STEWART	8.5	5.80	2.09	8.04	12.1		.5 10	0	"
536	12-30	1240 1250	"	14.0	7.51	2.21	8.10	16.6		.5 9	0	"
537	12-31	1420 1428	STUNDEN	10.0	2.53	0.91	7.99	2.3		.5 7	0	"
538	1-12	2249 2303	STUNDEN-LINDSAY	22.5	10.5	2.91	8.27	30.6		.6 12	+06	"
539	1-13	1291 1216	STUNDEN-TREAT	17.0	8.00	2.28	8.10	18.2		.6 9	0	"
540	1-15	2220 2230	STUNDEN-CANAVAN	18.0	11.2	2.70	8.25	30.2		.5 8	+01	"
541	1-16	2400 2015	"	19.0	14.2	3.84	8.45	54.5		.6 8	+03	"
542	1-16	0145 0215	"	TWO CHANNELS			8.78	120.		.6 17	+05	"
543	1-20	1825 1835	STUNDEN	15.0	11.0	2.79	8.13	30.7		.6 10	+05	"
544	1-21	1015 1025	"	17.0	11.0	2.11	8.10	23.2		.6 11	0	"
545	1-23	1235 1245	"	15.0	7.72	1.82	7.96	14.1		.5 11	0	"
546	1-25	0950 1005	"	13.0	7.08	2.03	7.96	14.4		.6 9	0	"
547	1-31	0825 0835	"	14.5	5.09	1.04	7.79	5.3		.5 10	-01	"
548	2-7	1115 1125	"	13.0	4.42	0.95	7.73	4.2		.5 9	0	"
549	2-14	1045 1055	"	14.0	4.97	0.98	7.76	4.9		.5 10	0	"
550	2-21	1210 1220	"	14.0	5.17	1.00	7.80	5.2		.5 11	0	"
551	2-28	1310 1320	"	14.5	4.39	0.86	7.71	3.8		.5 10	0	FC50
552	3-1	1235 1245	"	15.0	5.72	1.03	7.81	5.9		.5 11	0	FC36
553	3-6	1045 1055	"	15.0	4.21	1.78	7.88	7.5		.5 11	0	"
554	3-7	0825 0835	STUNDEN-STEWART	16.0	9.77	2.30	8.07	22.5		.6 11	+08	"
555	3-7	0940 0945	"	16.0	11.4	2.74	8.19	31.2		.6 9	0	"
556	3-7	1345 1355	"	16.0	13.2	3.20	8.23	42.2		.6 11	0	"
557	3-9	1055 1115	PULLARD-STUNDEN	15.0	6.05	1.19	7.85	7.2		.5 10	0	"
558	3-12	1235 1245	STUNDEN	13.0	6.75	1.63	7.92	11.0		.5 9	0	"
559	3-15	1505 1515	TREAT-STEWART	19.0	18.6	3.67	8.48	68.3		.6 10	+09	FC28

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. NO.	Q. HT. CHANGE TOTAL	METER NO.
560	3-17	1205 1215	STUNDEN	16.0	12.1	2.36	8.12	28.6		.5 8	9	0 FC36
561	3-21	1610 1620	STUNDEN-HYDE	15.5	10.7	2.29	8.09	24.5		.6 11	-08	"
562	3-26	1115 1125	STUNDEN	15.0	9.51	2.34	8.04	22.2		.6 12	0	"
563	4-3	0930 0945	"	16.0	13.7	3.28	8.20	44.9		.6 12	0	"
564	4-9	1020 1030	"	24.5	19.7	3.40	8.41	67.0		.6 25	0	"
565	4-16	1120 1145	"	24.5	18.9	3.06	8.33	57.9		.6 22	0	"
566	4-24	1020 1050	STUNDEN-BOBICK	25.0	17.8	3.17	8.33	56.4		.6 20	0	"
567	4-30	1250 1320	STUNDEN	24.5	16.1	3.34	8.29	53.6		.6 19	-02	"
568	5-8	1430 1450	"	14.0	15.2	4.26	1.34	64.8		.6 16	-02	"
569	5-14	1155 1215	"	15.0	15.2	3.61	1.31	54.9		.6 16	0	"
570	5-21	1500 1520	"	13.5	13.4	3.38	1.28	44.6		.6 15	0	"
571	5-29	0925 0950	"	14.0	12.6	3.06	1.19	38.6		.5 15	0	"
572	6-4	1240 1255	"	13.5	9.92	3.00	1.07	29.8		.5 15	0	"
573	6-12	0750 0805	"	12.5	7.93	2.53	0.96	20.1		.6 14	0	"
574	6-19	1045 1100	"	11.5	6.06	1.68	0.85	10.2		.6 13	0	"
575	6-26	1225 1240	"	11.5	5.27	1.63	0.75	8.6		.6 13	0	"
576	7-3	0950 1000	"	9.5	4.14	0.92	0.61	3.8		.6 10	0	"
577	7-9	1250 1255	"	1.5	0.57	0.65	0.36	0.37		.6 5	-01	FC50
578	7-17	1010 1015	"	2.0	1.30	1.08	0.49	1.4		.6 4	+09	"
579	12-2	0038 0048	STUNDEN-WHISLER	14.0	11.8	3.02	1.23	35.6		.6 10	0	FC36
580	12-2	1150 1200	STUNDEN	1.0	0.48	0.81	0.39	0.39		FLATS	4	0
581	12-31	1066 1100	"	0.50	0.05	1.20	0.28	0.06		"	2	0

DISCHARGE MEASUREMENTS OF SAN ANTONIO CREEK

AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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. NO.	Q. HT. CHANGE TOTAL	METER NO.
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FORM F. C. Dist. 11 1-34

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F181-R

Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0.5	3.2	5.6	4.0	5.0	3.4	3.6	0	0
2	0	0	0	0	3.1	5.3	4.1	5.2	3.3	0.8	0	0
3	0	0	0	0	3.4	4.7	4.4	5.4	3.1	1.0	0	0
4	0	0	0	0	3.2	5.0	4.8	5.4	3.9	0.2	0	0
5	0	0	1.3	0	3.2	5.6	5.0	5.9	2.9	+	0	0
6	0	0	0	0	3.4	7.4	5.3	6.2	2.9	+	0.5	0
7	0	0	0	0	3.8	2.6	6.3	6.5	2.7	0.3	0	0
8	0	0	0	0	4.1	1.4	7.2	6.7	2.6	0.4	0	0
9	0	0	0	0	4.7	7.8	6.6	6.0	2.5	0.3	0	0
10	0	0	0	0	4.7	1.4	7.0	5.9	2.4	0.2	0	0
11	0	0	0	0	4.1	1.7	6.6	5.7	2.0	0	0	0
12	0	0	0	3.0	4.1	1.4	6.4	5.6	2.0	+	0	0
13	0	0	0	2.2	4.1	1.2	6.2	5.6	1.7	0	0	0
14	0	0	0	7.7	4.1	1.1	6.2	5.5	1.5	0	0	0
15	0	0	0	1.1	4.4	4.2	5.9	5.1	1.2	0	0	0
16	0	0	0	1.24	5.0	4.2	5.6	5.0	0.9	0	0	0
17	0	0	0	3.9	4.7	2.9	5.4	4.9	8.6	0.3	0	0
18	0	0	0	9.4	5.0	2.3	5.4	4.6	7.8	0	0	0
19	0	0	0	4.2	4.7	2.4	5.8	4.4	8.2	0	0	0
20	0	0	0	3.1	5.1	2.3	5.8	4.2	9.1	0	0	0
21	0	0	0	2.4	5.0	2.2	5.6	4.3	9.5	0	0	0
22	0	0	0	1.8	4.7	2.1	5.6	4.2	1.0	0	0	0
23	0	0	0	1.5	4.7	2.0	5.4	4.0	9.5	0	0	0
24	0	0	0	1.4	4.1	2.0	5.4	3.9	9.5	0	0	0
25	0	0	0	1.4	4.1	2.1	5.1	3.8	8.2	0	0	0
26	0	0	0	1.2	3.8	2.2	6.2	3.8	7.8	0	0	0
27	0	0	0	1.0	3.8	2.5	6.0	3.8	5.0	0	0	0
28	0	0	0	7.8	3.8	2.8	5.8	3.7	1.1	0	0	0
29	0	0	0	6.2	4.1	3.0	5.8	3.7	0.3	0	0	0
30	0	0	1.9	5.3	3.4	5.3	3.7	3.7	2.2	0	0	0
31	0	0	6.1	5.0	3.7	3.7	3.6	3.6	0	0	0	0
	0	0	30.8	505.5	120.2	612.4	171.2	151.3	477.7	7.1	0.5	0

MEAN	0	0	0.99	16.3	4.14	19.8	57.1	48.8	15.9	0.23	.016	0
ACRE-FOOT	0	0	61.	1000.	238.	1210.	3400.	3000.	948.	14.	1.0	0

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

YEAR OR PERIOD MEAN 12.6
ACRE-FOOT 9870.

FORM F. C. Dist. 11 1-34

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F151-R

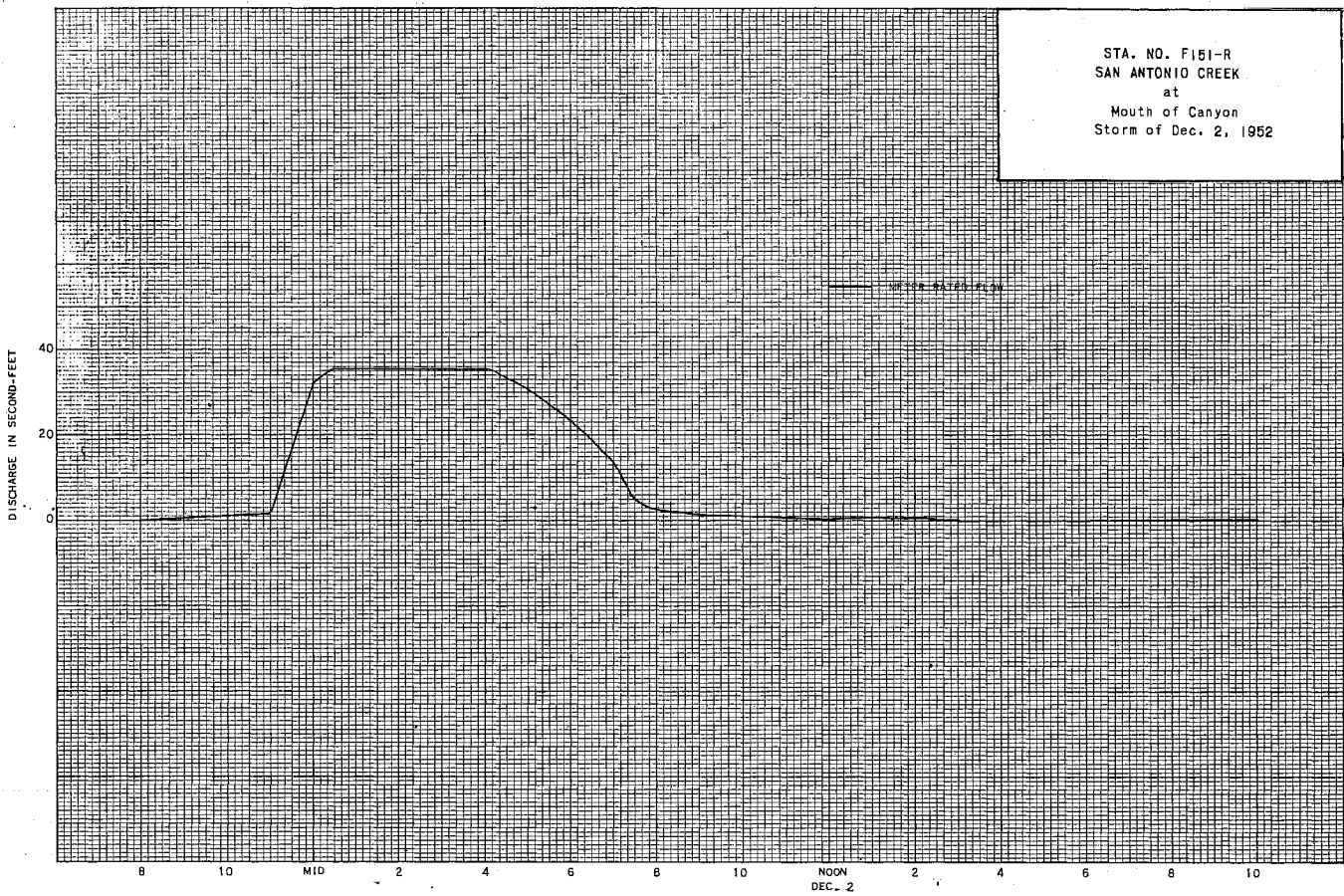
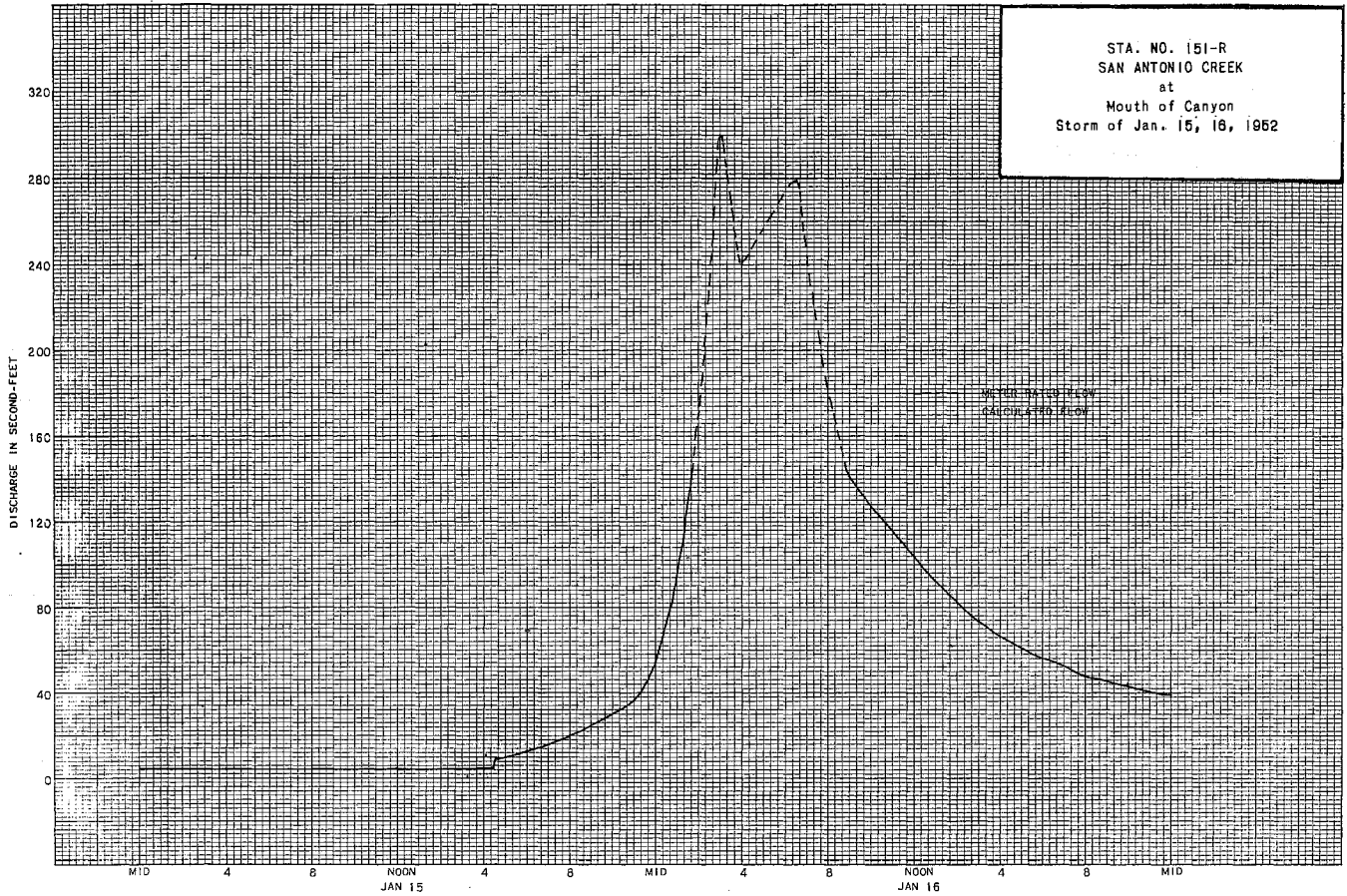
Daily discharge, in second-feet of SAN ANTONIO CREEK at Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.8	0	0	0	0	0	0	0	0	0
2	0	0	9.8	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	1.3	0	0	0	0	0	0	0	0	0
6	0	0	0	+	0	0	0	0	0	0	0	0
7	0	0	0	+	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	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
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
22	0	+	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	+	0	0	0	0	0	0	0	0	0
	0	+	11.9	+	0	0	0	0	0	0	0	0

MEAN	0	+	0.38	+	0	0	0	0	0	0	0	0
ACRE-FOOT	0	+	* 24.	+	0	0	0	0	0	0	0	0

Remarks: * = Spread in Main Channel
+ = 0.05 c.f.s. or less

YEAR OR PERIOD MEAN .033
ACRE-FOOT 24.



DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK

below San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	WEIR END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	BAR. INCH	WIND. SP.	HEAR. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
56	10-2	1350 1306	STUNDEN-BLEEMERS	6.3	5.09	0.83	0.73	4.2	1.8	11	0	FC50	
57	10-9	1340 1350	STUNDEN	6.5	5.37	0.82	0.73	4.4	.6	10	0	"	
58	10-17	1340	"				0.73	4.8			0	"	
59	10-23	1430 1420	"	7.4	5.48	0.84	0.72	4.6	.6	12	0	FC50	
60	10-30	1375 1350	"				0.57	2.1	.6	10	0	"	
61	11-16	1440	"				0.56	1.5			0	"	
62	11-13	1520	"				0.56	1.5			0	"	
63	11-20	1450	"				0.34	0.09			0	"	
64	11-28	1145	"				0.35	0.09			0	"	
65	12-4	1200	WHISLER				0.37	0.12			0	"	
66	12-11	1355	"				0.37	0.12			0	"	
67	12-19	1040	STUNDEN				0.36	0.10			0	"	
68	12-26	1115 1120	"	1.5	0.17	0.65	0.37	0.11	.5	6	0	FC50	
69	12-31	1200	"				0.37	0.11			0	"	
70	1-8	1355 1300	"	2.0	0.14	0.78	0.37	0.11	.5	5	0	FC50	
71	1-15	1315 1305	"	1.5	0.14	0.79	0.37	0.11	.5	5	0	"	
72	1-22	1090	"				0.36	0.11			0	"	
73	1-29	1505 1510	"	2.0	0.18	0.56	0.36	0.10	.5	5	0	FC50	
74	2-5	1350	"	1.5	0.11	0.82	0.29	0.09	.5	5	0	"	
75	2-11	1245 1250	"	2.0	0.16	0.56	0.31	0.09	.5	6	0	"	
76	2-19	1355 1405	"	6.0	5.03	0.87	0.66	4.4	.6	10	0	"	
77	2-26	1150 1137	"	3.3	1.18	1.18	0.50	1.4	.5	8	0	"	
78	3-5	1137	"	0.60	0.06	1.50	0.31	0.09	.5	4	0	"	
79	3-12	1415 1420	"	0.80	0.08	1.00	0.31	0.08	.5	4	0	"	
80	3-19	1240 1250	"	6.5	6.05	1.01	0.76	6.1	.6	13	0	"	

NO.	DATE	WEIR END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	BAR. INCH	WIND. SP.	HEAR. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
81	3-26	0915 0925	"	6.5	4.74	0.57	0.62	2.7	.6	12	0	"	
82	4-2	1230	"				0.68	3.6					
83	4-9	1125 1125	"	6.5	4.81	0.79	0.68	3.8	.6	13	0	FC50	
84	4-16	1045 1106	"	4.4	3.40	0.79	0.63	2.7	.6	9	0	"	
85	4-22	1400 1410	"				0.63	2.6					
86	4-30	1205 1215	"	2.4	0.56	1.28	0.46	0.72	.5	8	0	FC50	
87	5-8	1000	"				0.67	2.8					
88	5-14	1240 1255	"	6.0	4.87	0.55	0.67	2.7	.6	11	0	FC50	
89	5-21	1155	"				0.67	2.7					
90	5-28	1345 1355	"	5.2	2.32	1.25	0.66	2.9	.5	11	0	FC36	
91	6-4	1430	"				0.65	2.6					
92	6-11	1235	"				0.63	2.6					
93	6-17	1150	"				0.62	2.6					
94	6-25	1240	"				0.73	4.3					
95	7-2	1430	"				0.71	4.1					
96	7-10	1200	MOON				0.68	3.6					
97	7-16	1330 1340	STUNDEN	1.5	0.18	0.78	0.35	0.14	.5	6	0	FC50	
98	7-23	1305 1310	"	1.3	0.18	0.78	0.35	0.14	.5	5	0	"	
99	7-30	1340 1350	"	1.5	0.14	0.93	0.35	0.13	.5	6	0	"	
100	8-6	1200 1210	WHISLER	1.5	0.16	0.86	0.36	0.14	.5	6	0	"	
101	8-12	1125 1130	"	1.7	0.17	0.82	0.34	0.14	.5	6	0	"	
102	8-20	1040 1050	WHISLER-FALST	1.7	0.17	0.76	0.36	0.13	.5	8	0	"	
103	8-27	1040 1050	WHISLER	1.5	0.16	0.94	0.37	0.15	.5	8	0	"	
104	9-3	0945 0955	"	1.5	0.16	0.94	0.31	0.15	.5	7	0	"	
105	9-10	0915 0925	"	1.6	0.17	0.94	0.32	0.16	.5	8	0	"	
106	9-17	1040 1050	"	1.6	0.18	0.94	0.33	0.17	.5	8	0	"	
107	9-24	1515 1520	STUNDEN	2.0	0.14	0.86	0.33	0.12	.5	6	0	"	

TD14K F. C. DIST. 52 3-50

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	+	12.4	6.8	2.0	1.2	1.2	3.2	3.9	3.7	3.2
2	+	+	+	4.2	6.1	2.1	1.2	1.1	3.9	3.9	3.7	3.2
3	+	+	+	+	6.1	2.0	1.1	1.0	4.7	3.9	3.7	3.2
4	+	+	+	+	6.1	1.9	1.1	1.1	5.0	3.9	3.7	3.2
5	+	+	+	+	6.1	1.9	1.1	1.1	5.0	3.9	3.7	3.2
6	+	+	+	+	6.1	2.1	1.1	1.2	5.0	3.7	3.9	3.2
7	+	+	+	0.1	6.1	3.3	1.1	1.1	5.0	3.7	3.9	3.2
8	+	+	+	0.1	6.1	6.0	1.1	1.1	5.0	3.7	3.9	3.2
9	+	+	+	0.1	6.1	2.2	1.1	2.2	5.4	3.6	3.9	3.2
10	+	+	+	+	6.5	5.4	1.1	5.4	5.4	3.6	3.7	3.2
11	+	+	+	+	6.5	5.4	1.1	4.3	5.4	3.6	3.7	3.2
12	+	+	+	0.1	6.5	5.4	1.1	4.3	5.4	3.6	3.7	4.2
13	+	+	+	5.1	6.5	5.4	1.1	4.3	5.4	3.6	3.7	3.2
14	+	+	+	2.7	5.0	5.4	1.1	4.3	5.7	3.7	3.6	3.2
15	+	+	+	14.8	4.3	4.4	1.1	4.3	5.7	3.7	3.6	3.2
16	+	+	+	12.3	4.3	17.1	1.1	4.3	5.4	4.0	3.5	3.2
17	+	+	+	14.8	4.3	15.3	1.1	4.7	5.4	4.0	3.5	3.2
18	+	+	+	14.2	4.2	6.5	1.2	5.0	5.4	4.0	3.5	3.3
19	+	+	+	6.9	3.9	3.8	1.2	5.4	5.4	4.0	3.5	3.5
20	+	+	+	2.7	3.9	2.5	1.2	5.4	5.4	3.9	3.5	3.5
21	+	+	+	18.7	3.2	2.5	1.2	5.7	5.4	3.7	3.5	3.3
22	+	+	+	12.4	2.4	2.5	1.2	5.7	5.4	3.6	3.5	3.3
23	+	+	+	12.4	2.4	2.5	1.1	5.7	5.4	3.6	3.5	3.3
24	+	+	+	10.1	2.2	1.8	1.1	5.7	5.0	3.6	3.5	3.3
25	+	+	+	10.7	2.0	9.6	1.1	5.7	5.0	3.6	3.5	3.3
26	+	+	+	10.7	2.0	9.6	1.2	5.7	5.0	3.7	3.3	3.7
27	+	+	+	10.1	1.9	9.6	1.2	4.6	4.7	3.7	3.3	3.7
28	+	+	+	9.6	2.0	10.1	1.2	3.5	4.7	3.7	3.3	3.7
29	+	+	0.4	9.6	2.0	10.1	1.2	3.5	4.3	3.7	3.3	3.6
30	+	+	20.9	9.0	9.0	10.1	1.2	3.5	4.0	3.7	3.2	3.6
31	+	+	30.6	9.0	9.0	4.5	3.3	3.3	3.7	3.7	3.2	3.6
				751.8	131.3	806.2	34.2	115.4	150.8	116.4	110.9	101.5

MEAN	+	+	0.99	24.3	4.53	26.0	1.14	3.72	5.03	3.75	3.58	3.38
LOG-VECT	+	+	60.7	1490.	260.	1600.	68.	229.	299.	231.	220.	201.

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

YEAR OR PERIOD MEAN ACRES-FOOT 6.42 4660.

FORM F. C. 604.23 9-54

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. E303-R

Daily discharge, in second-feet of SAN DIMAS CREEK below San Dimas Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.		
1	3.9	1.9	0.2	0.1	0.1	0.2	3.6	0.7	2.6	4.2	0.1	0.2		
2	4.2	1.9	0.2	0.1	0.1	0.2	3.6	0.7	2.5	4.2	0.1	0.2		
3	4.2	1.7	0.1	0.1	0.1	0.2	3.6	0.7	2.5	4.0	0.1	0.2		
4	4.2	1.6	0.1	0.1	0.1	0.1	3.6	0.7	2.5	3.9	0.1	0.2		
5	4.2	1.6	0.1	0.1	0.1	0.1	3.6	1.9	2.6	3.9	0.1	0.2		
6	4.3	1.5	0.1	0.1	0.1	0.1	3.7	2.7	2.6	3.9	0.1	0.2		
7	4.3	1.5	0.2	0.1	0.1	0.1	3.7	2.7	2.6	3.7	0.1	0.2		
8	4.3	1.5	0.2	0.1	0.1	0.1	3.7	2.8	2.6	3.7	0.1	0.2		
9	4.3	1.5	0.1	0.1	0.1	0.1	3.4	2.8	2.6	3.7	0.1	0.2		
10	4.3	1.5	0.1	0.1	0.1	0.1	2.7	2.8	2.6	3.6	0.1	0.2		
11	4.3	1.5	0.1	0.1	0.1	0.1	2.7	2.8	2.6	3.6	0.1	0.2		
12	4.2	1.5	0.1	0.1	0.1	0.1	2.7	2.7	2.6	3.6	0.1	0.2		
13	4.7	1.5	0.1	0.1	0.1	0.1	2.7	2.7	2.6	1.7	0.1	0.2		
14	4.7	1.0	0.1	0.1	0.1	0.1	2.7	2.7	2.6	0.1	0.1	0.2		
15	4.7	0.3	0.1	0.1	0.1	0.1	2.7	2.7	2.6	0.1	0.1	0.2		
16	4.7	0.3	0.1	0.1	1.0	1.7	2.7	2.7	2.6	0.1	0.1	0.2		
17	4.7	0.2	0.1	0.1	1.8	4.8	2.7	2.7	2.6	0.1	0.1	0.2		
18	4.7	0.1	0.1	0.1	3.2	6.1	2.7	2.7	2.6	0.1	0.1	0.2		
19	4.7	0.1	0.1	0.1	4.3	6.1	2.7	2.7	2.6	0.1	0.1	0.2		
20	4.7	0.1	0.2	0.1	4.7	9.9	2.6	2.7	2.6	0.1	0.1	0.2		
21	4.7	0.1	0.1	0.1	4.7	2.7	2.6	2.7	2.6	0.1	0.1	0.2		
22	4.7	0.2	0.1	0.1	4.7	2.7	2.6	2.7	2.6	0.1	0.1	0.2		
23	4.7	0.2	0.1	0.1	2.1	2.7	2.6	2.7	2.6	0.1	0.1	0.2		
24	4.7	0.2	0.1	0.1	0.1	2.7	2.6	2.7	3.6	0.1	0.1	0.2		
25	4.3	0.2	0.1	0.1	0.1	2.7	2.6	2.8	4.3	0.1	0.1	0.2		
26	4.3	0.2	0.1	0.1	0.8	2.7	2.6	2.8	4.3	0.1	0.1	0.2		
27	4.3	0.1	0.1	0.1	1.8	4.1	2.6	2.9	4.3	0.1	0.2	0.2		
28	4.3	0.1	0.1	0.1	2.4	4.2	1.1	2.9	4.3	0.1	0.2	0.2		
29	3.4	0.1	0.1	0.1			0.7	2.8	4.3	0.1	0.2	0.2		
30	2.1	0.1	0.1	0.1			0.7	2.7	4.2	0.1	0.2	0.2		
31	2.0	0.1	0.1	0.1			3.6	2.6		0.1	0.2	0.2		
131.8														
24.4														
3.7														
33.2														
82.6														
38.9														
3.6														
6.0														
MEAN	4.25	0.81	.119	.100	1.19	1.93	2.75	2.45	2.96	1.60	0.12	0.20		
AREA FEET	261.	48.	7.3	6.1	66.	118.	164.	151.	176.	98.	7.1	12.		
REMARKS:												YEAR OR PERIOD	MEAN	1.54
												ACRE-FEET		1110.

STATION U10-R
SAN DIMAS CREEK at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL. LAT. 34°08'45" LONG. 117°46'35". IN SW 1/4 NE 1/4 SEC. 25. T.1N., R.7W., AT MOUTH OF SAN DIMAS CANYON, 0.7 MILE DOWNSTREAM FROM FLOOD CONTROL RESERVOIR AND 3 MILES NORTHEAST OF SAN DIMAS. ALTITUDE OF GAGE, ABOUT 1245 FEET.

DRAINAGE AREA: 18.3 SQUARE MILES.

RECORDS AVAILABLE: APRIL TO SEPTEMBER 1916. (DISCHARGE MEASUREMENTS ONLY.) DECEMBER 1916 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 36 YEARS (1917-53) 4.58 SECOND- FEET.

EXTREMES OF DISCHARGE:

1951-52

MAXIMUM DISCHARGE 292 SECOND- FEET MARCH 16. GAGE HEIGHT 2.66 FEET. MINIMUM NO FLOW DURING SEVERAL DAYS IN OCTOBER, NOVEMBER AND DECEMBER.

1952-53

MAXIMUM DISCHARGE 7.3 SECOND- FEET JULY 6. GAGE HEIGHT 0.68 FEET. MINIMUM DAILY DISCHARGE 0.1 SECOND- FOOT ON MANY DAYS.

1916-53

MAXIMUM DISCHARGE (REVISED) 5000 SECOND- FEET MARCH 2, 1938. FROM RECORDS OF RELEASE AT SAN DIMAS FLOOD CONTROL DAM AND COMPUTED INFLOW BETWEEN DAM AND GAGING STATION.

MINIMUM NO FLOW DURING PARTS OF MANY YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY SAN DIMAS DAM ABOVE STATION. SAN DIMAS WATER COMPANY DIVERTS WATER JUST BELOW GAGE FOR IRRIGATION.

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

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK
AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	MEAN STG. HGT.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAV. INCH	METH. USED	WIND NO.	W. CHARGE TOTAL	METER NO.
2123	10-4	0950 083	STUNDEN	0.5	0.02	1.00	0.00	0.02	FLOAT	1	0		
2124	10-26		USGS				0.005	0.014	FLOAT				
2125	11-23	1145 1148	STUNDEN	0.4	0.04	0.50	0.005	0.02	.5	3	0	FC50	
2126	11-27		USGS				-0.01	0.005	EST.				
2127	12-6	1200 1204	STUNDEN	0.5	0.05	0.80	0.06	0.04	FLOAT	4			
2128	12-7		USGS				0.03	0.025	FUME				
2129	12-12	1445 1450	STUNDEN	0.8	0.06	1.33	0.06	0.08	.5	5	0	FC50	
2130	12-19	1405 1408	"	0.6	0.06	1.67	0.05	0.10	FLOAT	4	0		
2131	12-27	1340 1344	"	0.4	0.04	1.00	0.07	0.04	.5	5	0	FC50	
2132	1-4	1080 1085	"	2.0	0.19	1.79	0.08	0.34	.5	6	0	"	

SAN DIMAS CREEK

DISCHARGE MEASUREMENTS OF Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. IRR.	METH. NO.	MEAN. NO. OF OBS.	HT. CHANGE TOTAL	METER NO.
2133	1-7		USGS	1.4	0.38	1.37	0.07	0.52	.5	8	0		
2134	1-10	1500	STUNDEN	2.0	0.18	1.28	0.06	0.23	.5	7	0	FC50	
2135	1-13		USGS	20.	35.5	1.84	1.88	65.4	.6	19	0		
2136	1-14	0805 0815	STUNDEN	17.	33.6	1.79	1.85	60.1	.6	10	-.01	FC36	
2137	1-16		USGS	40.	45.5	4.02	2.48	183.	.6	22	0		
2138	1-29		"	20.	12.4	0.93	0.77	11.5	.6	21	+.01		
2139	1-31	1430 1430	STUNDEN	16.	14.0	0.69	0.65	9.7	.6	10	0	FC36	
2140	2-7	1048	"	15.	11.6	0.58	0.43	6.7	.6	9	0	"	
2141	2-7		USGS	16.	12.7	0.49	0.42	6.2	.6	17	0		
2142	2-14	1300	STUNDEN	4.8	2.26	1.90	0.40	4.3	.5	7	+.01	FC36	
2143	2-21	1514	"	5.0	2.03	2.12	0.39	4.3	.6	8	0	"	
2144	2-28	1219	"	2.3	0.59	3.90	0.25	2.3	.5	6	0	"	
2145	3-6	1400 1405	"	4.5	1.52	1.12	0.29	1.7	.6	7	0	"	
2146	3-13	1425 1435	"	2.5	2.02	3.17	0.58	6.4	.6	6	0	"	
2147	3-16		USGS	30.	37.9	2.8	2.11	108.	.6	22	-.02		
2148	3-26		"	22.5	1.57	0.73	0.81	11.5	.6	20	0		
2149	3-27	1045 1045	STUNDEN	2.5	1.80	5.16	0.81	9.3	.6	6	0	FC36	
2150	4-3		USGS	10.7	5.98	0.32	0.20	1.93	.5	14	0		
2151	4-10	1200 1210	STUNDEN	2.5	0.63	3.18	0.25	2.0	.5	6	+.01	FC36	
2152	4-12		USGS	11.7	5.62	0.33	0.23	1.85	.6	18	0		
2153	4-17	1245 1255	STUNDEN	2.0	0.40	2.12	0.18	0.85	.5	5	0	FC36	
2154	4-17		USGS	10.8	5.02	0.28	0.18	1.40	.5	20	0		
2155	4-24	1320 1325	STUNDEN	2.0	0.43	2.56	0.20	1.1	.5	5	0	FC36	
2156	4-24		USGS	11.3	5.31	0.26	0.20	1.40	.5	16	0		
2157	5-1	1245 1255	STUNDEN	2.0	0.49	2.00	0.22	0.98	.5	5	0	FC36	
2158	5-1		USGS	12.4	6.38	0.24	0.20	1.53	.5	18	0		
2159	5-9	1018 1028	STUNDEN	2.7	0.84	2.02	0.21	1.7	.5	7	0	FC50	
2160	5-15	1400 1412	"	4.5	1.78	2.19	0.45	3.9	.5	10	0	FC36	
2161	5-16		USGS	13.4	9.06	0.51	0.47	4.58	.6	18	0		
2162	5-22	1330 1330	STUNDEN	5.5	2.64	2.20	0.62	5.8	.6	12	0	FC36	
2163	5-22	1345 1355	"	5.5	2.64	2.20	0.62	5.8	.6	12	0	"	
2164	5-27		USGS	13.6	8.44	0.41	0.46	3.5	.5	18	0		
2165	5-29	1530 1530	STUNDEN	4.0	1.46	2.33	0.46	3.4	.6	9	0	FC36	
2166	6-5	1210 1210	"	5.0	2.16	2.36	0.66	5.1	.6	9	0	"	
2167	6-10		USGS	5.5	2.04	2.54	0.69	5.4	.5	15	0		
2168	6-10		"	5.6	2.64	2.06	0.69	5.84	.5	15	0		
2169	6-10		"	5.7	2.76	2.07	0.69	6.0	.5	17	0		
2170	6-13	1315 1325	STUNDEN	5.0	2.53	2.17	0.69	5.5	.6	11	0	FC36	
2171	6-17		USGS	6.6	3.34	1.65	0.55	5.51	.6	17	0		
2172	6-19	1400 1410	STUNDEN	4.7	1.94	2.63	0.54	5.1	.5	10	0	FC36	
2173	6-25		USGS	5.5	3.09	1.72	0.60	5.30	.6	16	0		
2174	6-25		"	6.2	3.51	1.42	0.60	5.0	.6	17	0		
2175	6-26	1100 1110	STUNDEN	5.0	3.00	1.83	0.62	5.5	.6	11	0	FC36	
2176	7-3	1225 1235	"	4.8	2.45	1.59	0.54	3.9	.5	10	0	"	
2176	7-7		USGS	6.2	3.04	1.19	0.52	3.61	.5	18	-.01		
2177	7-7		"	6.3	3.49	1.14	0.52	3.98	.5	17	0		
2178	7-10	1250 1305	STUNDEN	5.0	2.75	1.35	0.52	3.8	.5	11	0	FC36	
2179	7-17	1305 1305	STUNDEN-L. LINDSAY	4.5	2.44	1.56	0.57	3.8	.5	10	0	"	
2180	7-21		USGS	6.5	3.50	1.10	0.56	3.85	.5	22	0		
2181	7-22		"	2.4	0.99	3.20	0.45	3.16	.5	13	0		
2182	7-24	1105 1115	STUNDEN	5.0	2.98	1.24	0.47	3.7	.5	11	0	FC50	
2183	8-1	1350 1400	"	4.5	2.44	1.45	0.55	3.6	.5	9	0	FC36	
2184	8-6		USGS	2.4	1.18	2.91	0.50	3.43	.5	13	0		
2185	8-8	0845 1000	WHISLER	5.4	2.97	1.25	0.51	3.7	.5	12	0	FC36	
2186	8-14	1315 1315	STUNDEN	5.0	2.80	1.40	0.48	3.9	.5	11	-.01	"	
2187	8-21		USGS	2.3	0.83	4.10	0.39	3.40	.5	13	0		
2188	8-28	1149 1149	WHISLER	5.5	2.76	1.01	0.40	2.8	.5	12	0	FC36	
2189	9-4	1013 1013	"	5.8	2.75	1.09	0.33	3.0	.6	12	0	"	
2190	9-11		USGS	2.2	0.78	3.10	0.35	2.69	.5	12	0		
2191	9-11	0940 0950	WHISLER	5.5	1.86	1.88	0.35	3.5	.5	11	0	FC36	
2192	9-18	0850 0850	"	5.4	1.99	1.46	0.36	2.9	.5	11	0	"	
2193	9-25	0830 0830	"	5.6	2.23	1.79	0.44	4.0	.5	11	0	"	
2194	9-26		USGS	2.4	1.02	4.16	0.44	4.24	.6	13	+.01		

SAN DIMAS CREEK

DISCHARGE MEASUREMENTS OF at Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. IRR.	METH. NO.	MEAN. NO. OF OBS.	HT. CHANGE TOTAL	METER NO.
2195	10-2	1430 1445	STUNDEN	4.7	2.06	1.99	0.48	4.1	.5	9	0	FC50	
2196	10-9	1425 1435	"	5.5	2.14	1.96	0.48	4.2	.5	12	0	"	
2197	10-17	1415 1425	"	4.7	2.05	2.35	0.53	4.9	.5	9	0	FC36	
2198	10-21		USGS	2.5	1.22	3.75	0.53	4.33	.6	14	-.01		
2199	10-23	1500 1510	STUNDEN	5.4	2.23	2.11	0.48	4.7	.5	11	0	FC36	
2200	10-30	1215 1225	"	4.1	1.28	1.57	0.28	2.0	.5	9	0	FC50	
2201	10-31		USGS	2.2	0.62	2.95	0.28	11.84	.5	13	0		
2202	11-6	1315 1325	STUNDEN	3.3	1.56	0.90	0.25	1.4	.5	8	0	FC50	
2203	11-13	1440 1450	"	3.3	1.32	1.21	0.23	1.6	.5	7	0	"	
2204	11-14		USGS	2.3	0.67	2.63	0.23	1.76	.5	13	+.01		
2205	11-20	1410 1415	STUNDEN	1.0	0.19	0.47	0.05	0.09	.5	6	0	FC50	
2206	11-26		USGS				0.06	0.11				FLUME	
2207	11-28	1100 1115	STUNDEN	0.70	0.18	0.56	0.05	0.10	.5	4	0	FC50	
2208	12-4	1120 1128	"	2.8	0.43	0.58	0.09	0.25	.5	7	0	"	
2209	12-10		USGS	2.2	0.56	0.39	0.06	0.22	.5	13	-.02		
2210	12-11	1335 1335	STUNDEN	2.0	0.18	1.39	0.06	0.25				FLOAT	5
2211	12-19	1020 1025	"	2.0	0.17	0.82	0.06	0.14				FLOAT	5
2212	12-19		USGS				0.06	0.16				FLUME	
2213	12-26	1050 1055	STUNDEN	1.5	0.31	0.97	0.08	0.30	.5	6	0	FC50	
2214	12-31	1215 1225	"	2.0	0.20	1.20	0.10	0.24	.5	7	0	"	
2215	1-7		USGS	2.1	0.34	1.79	0.10	0.61	.5	13	0		
2216	1-15	1257 1302	STUNDEN	2.0	0.21	1.33	0.08	0.28	.5	6	0	FC50	
2217	1-22		USGS				0.07	0.25				FLUME	
2218	1-29	1530 1535	STUNDEN	2.0	0.18	1.17	0.07	0.21	.5	6	0	FC50	
2219	2-5		USGS	1.5	0.22	1.27	0.07	0.27	.5	10	0		
2220	2-11	1150 1155	STUNDEN	1.5	0.28	0.86	0.07	0.24	.5	6	0	FC50	
2221	2-19		USGS	2.4	0.98	4.24	0.41	4.16	.5	14	-.01		
2222	2-19		"	6.3	4.95	0.92	0.41	4.56	.5	19	0		
2223	2-26	1040 1045	STUNDEN	1.5	0.30	0.93	0.09	0.28	.5	6	0	FC50	
2224	2-26	1425 1435	"	2.2	0.81	1.73	0.15	1.4	.5	7	0	"	
2225	3-4		USGS				0.06	0.20				FLUME	
2226	3-12		"				0.06	0.18				FLUME	
2227	3-19	1300 1310	STUNDEN	2.3	1.07	5.80	0.50	6.2	.5	6	0	FC36	
2228	3-25		USGS	6.4	4.50	0.77	0.30	3.46	.5	19	0		
2229	4-2	1205 1210	STUNDEN	2.3	0.74	4.86	0.33	3.6	.5	6	0	FC36	
2230	4-8		USGS	6.3	5.28	0.81	0.32	4.27	.6	18	-.01		
2231	4-16	1015 1030	STUNDEN	6.3	4.71	0.59	0.31	2.8	.5	11	0	FC50	
2232	4-23		USGS	2.6	1.58	1.86	0.33	2.94	.5	11	0		
2233	4-30	1230 1240	STUNDEN	1.8	0.48	1.27	0.10	.61	.5	6	0	FC50	
2234	5-6		USGS	2.6	1.58	1.84	0.34	2.91	.6	15	0		
2235	5-14	1315 1325	STUNDEN	2.5	1.46	1.85	0.34	2.7	.6	7	0	FC50	
2236	5-20		USGS	2.6	1.6	1.69	0.31	2.74	.5	14	0		
2237	5-28	1415 1420	STUNDEN	2.5	1.45	2.00	0.32	2.9	.5	6	0	FC36	
2238	6-3		USGS										

FD-114 F. C. Dist. 24 1-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U10-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	9.9	8.1	2.6	4.3	1.7	5.8	4.1	3.6	2.7
2	0	0	0	3.6	7.3	2.2	4.3	1.6	4.3	4.1	3.7	3.0
3	0	0.1	0	0.4	7.0	1.8	3.1	1.6	5.1	3.9	3.8	3.1
4	0	0	0	0.4	6.8	1.5	2.2	1.5	5.3	4.1	3.9	3.1
5	0	0	0	0.4	6.7	1.4	1.8	1.5	5.3	4.2	4.1	3.1
6	0	0	0	0.4	6.7	1.6	1.8	1.6	5.4	4.2	3.7	2.7
7	0	0	0	0.5	6.4	3.4	2.2	1.6	5.4	4.1	3.6	2.5
8	0	0	0	0.4	6.2	5.8	2.3	1.6	5.5	3.9	3.6	2.4
9	0	0	0	0.3	6.2	2.3	1.9	2.9	5.7	3.8	3.7	2.4
10	0	0	0	0.2	5.7	6.8	1.9	4.7	5.7	3.8	3.8	2.5
11	0	0	0.1	0.2	5.5	6.4	2.0	4.3	5.8	3.8	3.9	3.5
12	0	0	0.1	1.1	5.3	6.4	1.8	4.2	5.7	3.8	4.1	3.8
13	0	0	0	5.0	5.1	6.2	1.5	4.1	5.7	3.8	4.2	3.1
14	0	0	0	2.3	4.7	6.1	1.5	3.9	5.7	3.7	4.2	3.1
15	0	0	0	1.3	4.6	4.9	1.4	4.1	5.4	3.7	3.8	3.1
16	0	0	0	14.4	4.6	19.0	1.2	4.3	5.4	3.7	3.4	3.0
17	0	0	0	15.9	4.6	18.0	1.1	5.0	5.5	3.9	3.1	3.0
18	0	0	0	14.8	4.6	20.0	1.1	5.8	5.3	4.2	3.0	3.2
19	0	0	0.1	7.1	4.5	4.9	2.0	5.8	5.1	4.2	3.7	3.7
20	0	0.2	0.1	2.7	4.5	3.4	1.6	5.8	5.1	4.3	3.3	3.7
21	0	0.1	0.1	2.1	3.9	3.3	1.5	5.8	4.7	4.3	3.5	3.7
22	0	0	0	1.8	3.0	3.3	1.4	5.8	4.7	3.5	3.4	3.7
23	0	0	0	1.4	2.6	3.3	1.3	5.8	4.7	3.6	3.3	3.8
24	0	0	0	1.2	2.5	2.4	1.3	5.8	4.8	3.7	3.3	3.9
25	0	0	0	1.3	2.4	1.2	1.5	5.1	4.8	3.7	3.2	4.1
26	0	0	0	1.2	2.4	1.2	1.6	5.1	5.5	3.7	3.1	4.3
27	0	0	0	1.2	2.3	1.2	1.6	4.3	5.7	3.7	3.0	4.2
28	0	0	0	1.0	2.3	1.2	1.6	3.6	5.7	3.8	3.0	4.2
29	0	0	0.1	1.0	2.3	1.2	1.6	3.6	5.8	3.8	3.0	4.2
30	0	0	0	1.1	9.7	1.2	1.7	3.7	5.4	3.9	3.0	3.7
31	0	0	0	1.9	9.9	7.0	1.7	3.7	5.4	3.9	3.0	3.7
	0		31.7		138.8		56.3		158.0		108.4	

	0.4		796.4		944.0		119.9		120.9		100.3	
MEAN	0	0.01	1.02	25.7	4.79	30.5	1.83	3.87	5.27	3.90	3.50	3.34
ACRE-FEET	0	0.8	63.	1580.	275.	1870.	112.	238.	313.	240.	215.	199.

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 7.04 5110.

FD-114 G. 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. U10-R

Daily discharge, in second-feet of SAN DIMAS CREEK at Mouth of Canyon for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	1.9	0.3	0.3	0.3	0.6	3.7	0.7	2.7	3.9	0.1	0.1
2	4.3	1.9	0.8	0.3	0.3	0.4	3.7	0.8	2.8	3.7	0.1	0.1
3	4.3	1.5	0.4	0.3	0.3	0.3	3.9	0.9	2.8	3.6	0.1	0.1
4	4.1	1.4	0.3	0.3	0.3	0.2	4.1	0.8	2.8	3.9	0.1	0.1
5	4.1	1.4	0.3	0.3	0.3	0.2	4.1	2.0	2.8	3.7	0.1	0.1
6	4.2	1.3	0.3	0.4	0.3	0.2	4.2	3.0	2.8	4.0	0.1	0.1
7	4.5	1.3	0.3	0.7	0.2	0.2	4.3	3.0	2.8	3.3	0.1	0.1
8	4.5	1.6	0.3	0.5	0.2	0.2	4.3	3.0	2.7	3.4	0.1	0.1
9	4.5	1.6	0.3	0.4	0.2	0.2	3.9	2.8	2.8	3.4	0.1	0.1
10	4.5	1.6	0.2	0.4	0.2	0.2	3.6	3.0	2.5	3.6	0.1	0.1
11	4.5	1.6	0.2	0.3	0.2	0.2	3.3	2.8	2.4	3.8	0.2	0.1
12	4.3	1.6	0.2	0.3	0.2	0.2	3.2	2.7	2.4	3.8	0.2	0.1
13	4.5	1.6	0.2	0.3	0.2	0.2	3.1	2.6	2.4	1.8	0.1	0.1
14	5.0	1.6	0.2	0.3	0.2	0.2	3.0	2.6	2.5	0.2	0.1	0.1
15	4.8	0.8	0.2	0.3	0.3	0.2	2.8	2.7	2.7	0.2	0.1	0.1
16	4.8	0.5	0.2	0.3	1.0	1.2	2.7	2.7	2.5	0.3	0.1	0.1
17	5.0	0.4	0.2	0.3	2.2	4.5	2.8	2.8	3.0	0.3	0.1	0.1
18	5.0	0.1	0.2	0.3	3.4	6.2	2.6	2.6	3.2	0.4	0.1	0.1
19	4.7	0.1	0.2	0.3	4.3	6.2	3.0	2.6	3.3	0.3	0.1	0.1
20	4.6	0.1	0.4	0.3	3.9	4.5	3.0	2.7	3.4	0.3	0.1	0.1
21	4.1	0.1	0.4	0.3	4.1	3.3	3.0	2.7	3.3	0.2	0.1	0.1
22	4.5	0.1	0.4	0.3	4.1	3.4	3.0	2.6	3.0	0.2	0.1	0.1
23	4.7	0.1	0.4	0.3	2.0	3.3	3.0	2.6	3.0	0.1	0.1	0.1
24	4.5	0.1	0.4	0.3	0.4	3.3	3.0	2.5	3.7	0.1	0.1	0.1
25	4.6	0.1	0.4	0.3	0.4	3.4	3.0	2.5	4.2	0.1	0.1	0.1
26	5.0	0.1	0.3	0.3	0.9	3.4	2.8	2.5	4.2	0.1	0.1	0.1
27	5.0	0.1	0.3	0.3	1.7	3.4	3.0	2.6	4.2	0.1	0.1	0.2
28	4.8	0.1	0.4	0.3	2.0	4.5	1.6	2.6	4.2	0.1	0.2	0.2
29	3.4	0.1	0.4	0.3	3.7	3.7	0.4	2.6	4.2	0.1	0.2	0.2
30	2.0	0.2	0.4	0.2		3.8	0.6	2.7	4.1	0.1	0.2	0.2
31	1.8		0.4	0.2		3.8		2.7		0.1	0.1	
	134.5		9.9		34.1		93.1		93.5		3.6	

	25.1		9.9		65.9		75.5		49.2		3.4	
MEAN	4.34	0.84	0.32	0.32	1.22	2.13	3.10	2.44	3.12	1.59	0.12	0.11
ACRE-FEET	267.	50	20	20	68	131	185	150	185	98	7.1	6.7

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 1.64 1190.

STATION F218-R
SAN DIMAS WASH below Puddingstone Diversion Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°07'52", LONG. 117°46'58", ON SAN DIMAS TYPE FLUME ABOUT 75 FEET WEST OF THE SOUTHERLY END OF PUDDINGSTONE DIVERSION DAM ABOUT 3.0 MILES NORTHWEST OF LA VERNE. ELEVATION OF ZERO GAGE HEIGHT, 1126.86 FEET.

DRAINAGE AREA: 18.8 SQUARE MILES. 16.2 SQUARE MILES CONTROLLED BY SAN DIMAS DAM AND 2.6 SQUARE MILES CONTROLLED BY PUDDINGSTONE DIVERSION DAM.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. CONTROL - 3 FT. X 3 FT. SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: LOW AND HIGH FLOWS MEASURED BY WADING.

RECORDER: INSTALLED NOVEMBER 28, 1945 IN A WOODEN HOUSE OVER A 2 FT. X 4 FT. CONCRETE STILLING WELL. A STEVENS TYPE "L" RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: FLOW ENTIRELY REGULATED BY PUDDINGSTONE DIVERSION DAM. SPILLWAY DISCHARGE ENTERS WASH BELOW THE STATION. INFLOW TO PUDDINGSTONE DIVERSION DAM IS REGULATED BY SAN DIMAS DAM. SAN DIMAS WATER COMPANY DIVERTS WATER FOR IRRIGATION.

RECORDS AVAILABLE: NOVEMBER 28, 1945 TO SEPTEMBER 30, 1953. SOME STREAM MEASUREMENTS FOR EARLIER YEARS ARE AVAILABLE.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 23 SECOND-FOOT MARCH 17.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
NO FLOW FOR ENTIRE YEAR.
1945-53
MAXIMUM 42 SECOND-FOOT APRIL 4, 1946.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAN DIMAS WASH

below Puddingstone Diversion Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	MEAN REC. NO.	Q. CHANGE TOTAL	METER NO.
41	1-14	0915 0920	STUNDEN	3.0	1.49	3.59	0.49	3.6	.5	7	0	FC36	
42	1-14	0950 0955	"	5.0	2.34	1.48	0.49	3.5	.6	11	0	"	
43	1-14	1017 1027	"	5.5	2.91	1.74	0.57	5.1	.5	12	0	"	
44	1-19	1453 1510	STUNDEN-CANAVAN	11.0	9.46	1.97	0.83	18.6	.5	11	-01	"	
45	1-21	1440 1450	STUNDEN-WHISLER	8.0	8.17	2.08	0.82	17.0	.6	9	0	"	
46	1-31	1500 1510	STUNDEN	6.5	2.73	1.91	0.36	5.2	.5	7	0	"	
47	2-7	0840 0845	"	5.5	1.86	1.13	0.13	2.1	.5	7	0	"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. CO.	MEAN REC. NO.	Q. CHANGE TOTAL	METER NO.
48	2-14	1330 1335	"	5.0	1.78	0.90	0.11	1.6	.5	9	0	"	
49	2-21	1520 1525	"	4.0	1.21	0.31	0.04	0.36	.5	5	0	"	
50	3-8	1455 1500	STUNDEN-STEWART	6.0	2.92	2.00	0.40	5.9	.6	9	0	"	
51	3-9	1450 1500	PULLARD-STUNDEN	6.5	2.95	2.14	0.39	6.3	.6	8	0	"	
52	3-13	1405 1415	STUNDEN	6.0	2.48	2.06	0.35	5.1	.5	8	0	"	
53	3-20	0850 0900	STUNDEN-HYDE	6.0	12.0	1.90	1.09	22.8	.6	8	0	"	
54	3-27	1140 1150	STUNDEN	6.0	7.20	1.00	0.56	7.2	.6	8	0	"	
55	4-3	1250 1255	"	3.0	0.06	1.33	0.02	0.08	ROWS	4	0	"	

18074M F. C. DIST. 52 2-50

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	5.2	0	2.7	0	0	0	0	0
2	0	0	0	0	5.0	0	0.5	0	0	0	0	0
3	0	0	0	0	4.1	0	0.2	0	0	0	0	0
4	0	0	0	0	2.3	0	0	0	0	0	0	0
5	0	0	0	0	2.2	0	0	0	0	0	0	0
6	0	0	0	0	2.2	0	0	0	0	0	0	0
7	0	0	0	0	2.0	+	0	0	0	0	0	0
8	0	0	0	0	1.8	3.3	0	0	0	0	0	0
9	0	0	0	0	1.8	6.2	0	0	0	0	0	0
10	0	0	0	0	1.8	6.2	0	0	0	0	0	0
11	0	0	0	0	1.8	5.8	0	0	0	0	0	0
12	0	0	0	+	1.6	5.2	0	0	0	0	0	0
13	0	0	0	0.9	1.6	5.0	0	0	0	0	0	0
14	0	0	0	4.4	1.5	5.0	0	0	0	0	0	0
15	0	0	0	4.2	1.0	5.2	0	0	0	0	0	0
16	0	0	0	1.8	0.8	1.2	8	0	0	0	0	0
17	0	0	0	0	0.7	2.3	0	0	0	0	0	0
18	0	0	0	0	0.6	2.3	0	0	0	0	0	0
19	0	0	0	8.9	0.6	2.3	0	0	0	0	0	0
20	0	0	0	17.8	0.5	16.2	0	0	0	0	0	0
21	0	0	0	17.0	0.4	9.8	0	0	0	0	0	0
22	0	0	0	17.0	+	9.6	0	0	0	0	0	0
23	0	0	0	9.1	0	9.3	0	0	0	0	0	0
24	0	0	0	0	0	9.1	0	0	0	0	0	0
25	0	0	0	1.9	0	8.4	0	0	0	0	0	0
26	0	0	0	6.7	0	8.0	0	0	0	0	0	0
27	0	0	0	6.7	0	7.5	0	0	0	0	0	0
28	0	0	0	6.4	0	7.3	0	0	0	0	0	0
29	0	0	0	6.0	0	7.1	0	0	0	0	0	0
30	0	0	0	5.8	0	6.9	0	0	0	0	0	0
31	0	0	0	5.3	0	6.7	0	0	0	0	0	0
0	0	0	0.1	120.6	39.5	229.6	3.4	0	0	0	0	0

MEAN	0	0	0.03	2.89	1.26	7.41	113	0	0	0.2	0	0
ACRE-FOOT	0	0	0.2	239.	78.	455.	6.7	0	0	0	0	0

Remarks: + = 1.05 c.f.s. or less

YEAR OR PERIOD MEAN 1.07
ACRE-FOOT 780.

STATION F209-R
SAN GABRIEL RIVER-WEST FORK below Cogswell Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'39", LONG. 117°57'25", ON THE LEFT (NORTHEAST) BANK OF THE WEST FORK OF THE SAN GABRIEL RIVER ABOUT 7 MILES ABOVE JUNCTION OF THE EAST AND WEST FORKS AND 0.5 MILE DOWNSTREAM FROM COGSWELL DAM. ELEVATION OF ZERO GAGE HEIGHT, 2089.37 FEET.

DRAINAGE AREA: 41.0 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND, GRAVEL AND BOULDERS. CONTROL - CONCRETE CONTROL WITH LOW FLOW NOTCH ABOUT 35 FEET BELOW THE STATION.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 6 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 8, 1933. WASHED OUT IN THE MARCH 2, 1938 STORM. REINSTALLED MARCH 10, 1938. REMOVED MAY 30, 1938. INSTALLED JULY 8, 1938 IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL IN THE SAME LOCATION AS THE OLD WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: 40.4 SQUARE MILES REGULATED BY COGSWELL DAM. 0.6 SQUARE MILES UNREGULATED.

DIVERSIONS: NONE.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 2000 SECOND-FOOT JANUARY 18.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES.

1952-53
MAXIMUM 328 SECOND-FOOT JANUARY 9.
MINIMUM 0.1 SECOND-FOOT SEPTEMBER 27.

1933-53
MAXIMUM 25,000 SECOND-FOOT, 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.

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, 1953.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

below San Gabriel Dam No. 2 DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. IND.	METH. CODE	MEAN. REC. NO.	HT. CHANGE TOTAL	METER NO.
2448	10-1	0806 0830	DE VORE	8.2	5.29	1.68	3.49	8.9	.6	14	0	FC32	
2449	10-1	0838 0856	MIDDLETON-DE VORE	3.6	1.06	0.94	3.13	1.0	.6	8	-.01	"	
2450	10-1	1105	MIDDLETON	8.1	5.50	1.80	3.53	9.9	.6	17	0	"	
2451	10-4	0817 0836	"	8.2	5.30	1.77	3.50	9.4	.6	17	0	FC26	
2452	10-8	1008 1034	DE VORE	8.2	5.08	1.69	3.46	8.6	.6	17	0	FC32	
2453	10-10	0911 0919	"	1.6	0.26	0.81	3.00	0.21	.5	5	0	"	
2454	10-18	1023 1029	MIDDLETON	1.3	0.26	0.69	3.00	0.18	.5	6	0	FC26	
2455	10-25	1038 1038	"	1.5	0.34	0.85	3.02	0.29	.6	6	0	"	
2456	11-1	0925 0935	WILSON	1.9	0.33	0.52	2.99	0.17	.6	9	0	FC32	
2457	11-7	0930 0940	"	8.0	3.80	1.32	3.35	5.0	.6	9	0	"	
2458	11-7	1311 1337	LANG	8.0	4.19	1.17	3.35	4.9	.6	17	0	FC12	
2459	11-8	1700	WILSON	8.0	5.25	2.25	3.51	11.8	.6	9	0	FC32	
2460	11-9	0822 0847	LANG	8.1	5.19	1.73	3.47	9.0	.6	18	0	FC12	
2461	11-14	1025 1033	MIDDLETON	3.6	0.75	0.59	3.06	0.44	.5	8	-.01	FC26	
2462	11-14	1135 1138	"	8.6	5.95	2.13	3.58	12.7	.6	18	0	"	
2463	11-14	1335	"	8.2	4.97	1.67	3.45	8.3	.6	17	0	"	
2464	11-23	1127	"	1.4	0.35	0.40	2.99	0.14	.6	6	0	"	
2465	11-29	1135 1134	"	1.4	0.31	0.45	2.99	0.14	.6	7	0	"	
2466	12-8	1118 1128	"	1.8	0.45	0.62	3.01	0.28	.6	8	0	"	
2467	12-10	1243 1258	"	7.6	2.84	0.74	3.19	2.1	.6	10	0	"	
2468	12-10	1430	"	7.6	3.98	1.30	3.35	5.2	.6	13	0	"	
2469	12-13	1237 1258	"	7.5	4.08	1.35	3.38	5.5	.6	16	0	"	
2470	12-17	1000 1022	"	7.8	5.04	1.68	3.47	8.5	.6	14	0	"	
2471	12-17	1106 1130	"	8.0	5.34	1.84	3.51	9.8	.6	16	0	"	
2472	12-20	1123	"	7.9	4.98	1.71	3.47	8.5	.6	17	0	"	
2473	12-27	1002	"	7.6	4.22	1.37	3.38	5.8	.6	16	0	"	
2474	1-3	1038 1088	"	2.4	0.70	0.67	3.07	0.47	.6	9	0	"	
2475	1-10	1104 1116	"	2.6	0.75	0.75	3.07	0.56	.6	9	0	"	
2476	1-13	0852 0900	DE VORE	10.8	4.78	1.30	3.40	6.2	.6	8	0	FC32	
2477	1-13	0938 0914	"	50.0	65.3	3.15	5.38	206	.6	12	0	"	
2478	1-13	1146 1216	"	60.0	124.	4.15	6.44	514	.6	13	0	"	
2479	1-14	1000 1022	"	48.7	61.7	2.79	5.23	172	.6	14	0	"	
2480	1-15	0802 0826	"	32.6	31.1	1.66	4.30	51.7	.6	12	0	"	
2481	1-16	0137	"	70.0	270	6.30	8.85	300	.6	15	0	"	
2482	1-16	1146 1210	"	55.0	133	4.23	6.30	563	.6	12	0	"	
2483	1-17	1329 1357	"	55.0	128	4.18	6.24	536	.6	13	0	"	
2484	1-18	0122 0202	"	69.0	279.	7.06	8.60	970.	.6	15	0	"	
2485	1-18	1933	"	58.0	198.	5.15	7.22	1020.	.6	13	0	"	
2486	1-18	1655 1717	"	55.0	145.	3.82	6.28	554.	.6	12	0	"	
2487	1-20	1523 1556	"	55.5	141.	3.65	6.15	515.	.6	13	0	"	
2488	1-21	1430 1452	MIDDLETON	45.4	76.7	1.88	4.82	144.	.6	16	0	FC26	
2489	1-22	1413 1433	DE VORE	28.0	40.0	1.86	4.33	74.6	.6	11	0	FC32	
2490	1-24	1959	MIDDLETON	22.0	33.0	2.21	4.32	72.9	.6	13	0	FC26	
2491	1-25	1013 1043	DE VORE	53.0	121.	3.04	5.79	368.	.6	12	0	FC32	
2492	1-26	1047 1116	"	27.6	40.3	1.79	4.27	72.2	.6	14	0	FC31	
2493	1-29	1050 1117	"	30.4	58.6	1.64	4.51	96.0	.6	14	0	"	
2494	1-31	1102 1137	MIDDLETON	30.8	59.4	1.57	4.48	93.3	.6	23	0	FC26	
2495	2-4	1330 1355	"	27.9	37.3	1.04	3.75	98.7	.6	16	0	"	
2496	2-7	0840 0855	"	25.3	30.4	1.19	3.75	36.3	.6	15	0	"	
2497	2-14	1328 1346	"	7.2	2.64	0.49	2.70	1.3	.6	9	0	"	
2498	2-14	1503 1526	MIDDLETON-JOHNSON	31.5	35.2	0.25	3.28	8.9	.6	15	0	"	
2498	2-14	1708 1728	"	33.4	40.0	0.36	3.38	14.4	.6	13	+.04	"	
2500	2-14	1822	MIDDLETON	33.9	43.6	0.52	3.48	22.6	.6	14	0	"	
2501	2-18	1113	"	14.2	11.3	1.97	3.50	22.3	.6	15	0	"	
2502	2-20	1636 1652	DE VORE	14.4	10.1	1.66	3.40	16.8	.6	10	+.02	FC32	
2503	2-21	1036	HYDE-MIDDLETON	13.8	10.8	1.82	3.41	19.7	.6	15	0	FC26	
2504	2-28	1103	MIDDLETON	3.5	0.98	0.76	2.65	0.74	.6	8	0	"	
2505	3-3	1455	"	3.5	0.93	0.66	2.65	0.61	.6	8	0	"	
2506	3-5	0935 1000	"	50.4	104.	1.05	4.65	109.	.6	23	0	"	
2507	3-5	1045 1075	"	53.0	135.	1.89	5.34	255.	.6	14	+.01	"	
2508	3-6	1135	"	3.2	1.12	0.69	2.66	0.77	.6	8	0	"	
2509	3-8	1036	DE VORE	54.0	170.	2.67	5.83	454.	.6	12	0	FC32	
2510	3-9	1036	"	51.0	118.	1.63	4.96	192.	.6	11	0	"	
2511	3-11	1000 1016	DE VORE-RAGLE	49.4	83.6	0.94	4.28	78.8	.6	11	0	FC31	
2512	3-13	1124	MIDDLETON	10.0	5.92	0.30	2.78	1.8	.6	11	0	FC26	
2513	3-15	1640	DE VORE	58.5	200.	3.22	6.37	643.	.6	13	0	FC32	
2514	3-16	0843	"	57.5	183.	2.96	6.13	542.	.6	13	0	"	
2515	3-16	1310	"	54.5	162.	2.54	5.68	411.	.6	12	0	"	
2516	3-17	0844 0912	"	52.5	139.	2.11	5.36	294.	.6	12	0	"	
2517	3-18	1009 1031	"	50.5	119.	1.65	4.99	196.	.6	11	0	"	
2518	3-19	1492	"	50.0	90.9	1.04	4.43	94.3	.6	12	0	FC31	
2519	3-20	1108	MIDDLETON	49.4	89.1	0.98	4.44	86.9	.6	16	0	FC26	
2520	3-24	1013 1038	MIDDLETON-WINDER	50.3	90.1	1.06	4.48	95.6	.6	20	0	"	
2521	3-24	1047	"	50.3	90.1	1.14	4.48	103.	.6	20	0	FC31	
2522	3-27	1425	MIDDLETON	6.5	3.40	1.38	2.83	4.7	.6	8	0	FC18	
2523	4-3	1100	MIDDLETON-WINDER	6.0	3.53	1.13	2.86	4.0	.6	10	0	"	
2524	4-10	1000	MIDDLETON	4.2	1.95	2.26	2.93	4.4	.6	9	0	"	
2525	4-15	1305 1330	WINDER-MIDDLETON	16.0	16.1	1.34	3.48	21.6	.6	16	0	"	
2526	4-17	1002	MIDDLETON	16.0	16.1	1.48	3.50	23.9	.6	17	0	"	
2527	4-24	1016	"	16.5	17.6	1.47	3.52	25.8	.6	16	0	"	
2528	4-28	1102	WINDER-MIDDLETON	12.7	7.93	0.64	3.02	5.1	.6	9	0	FC32	
2529	4-28	1310	"	15.3	13.7	1.18	3.34	16.1	.6	15	0	"	
2530	5-1	1102	"	15.0	13.5	1.18	3.34	15.9	.6	16	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

below San Gabriel Dam No. 2 DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
2538	5-22	0845 1038	"	18.5	19.6	1.53	3.60	29.9	.6	17	0	"	"
2539	5-26	1243	"	14.2	16.3	1.20	3.42	19.6	.6	16	0	FC32	"
2540	5-29	0829 0829	"	12.1	12.2	1.49	3.39	18.2	.6	14	0	FC18	"
2541	6-2	1124	"	12.8	13.1	1.50	3.41	19.6	.6	14	0	"	"
2542	6-5	1028	"	12.6	12.5	1.48	3.37	18.5	.6	14	0	"	"
2543	6-10	0829	"	12.5	11.5	1.43	3.32	16.4	.6	14	0	"	"
2544	6-12	1024	"	12.6	11.2	1.35	3.30	15.1	.6	14	0	"	"
2545	6-16	1027	"	12.6	10.7	1.27	3.25	13.6	.6	14	0	"	"
2546	6-18	0847	"	12.6	10.2	1.03	3.20	10.5	.6	15	0	FC32	"
2547	6-23	1372	"	12.4	10.3	1.12	3.22	11.5	.6	14	0	FC18	"
2548	6-26	0879	"	12.4	10.5	1.14	3.24	12.0	.6	14	0	"	"
2549	6-30	1138	"	12.4	9.53	0.99	3.16	9.4	.6	14	0	"	"
2550	7-3	1022	"	12.5	8.94	0.89	3.12	8.0	.6	14	0	"	"
2551	7-7	1048	"	10.4	7.0	0.80	3.06	5.6	.6	13	0	"	"
2552	7-10	1039	"	10.6	7.02	0.80	3.05	5.6	.6	12	0	"	"
2553	7-10	1038	"	12.0	12.0	1.39	3.39	16.7	.6	13	0	"	"
2554	7-14	1023	"	11.8	11.6	1.38	3.38	16.0	.6	13	0	"	"
2555	7-17	1124	"	12.4	11.9	1.34	3.38	16.0	.6	13	0	"	"
2556	7-21	1092	"	12.6	12.6	1.28	3.38	16.1	.6	14	0	"	"
2557	7-21	1488	"	12.6	12.6	1.28	3.39	16.1	.6	14	0	"	"
2558	7-24	0859	"	12.6	12.6	1.30	3.40	16.4	.6	14	0	"	"
2559	7-28	1127	"	12.6	12.3	1.33	3.38	16.3	.6	14	0	"	"
2560	7-31	0825	LANG	11.9	11.9	1.52	3.38	18.1	.6	15	0	FC12	"
2561	7-31	1129	"	11.3	7.42	0.81	3.06	6.0	.6	13	+01	"	"
2562	7-31	1258	"	12.0	12.5	1.42	3.40	17.7	.6	15	0	"	"
2563	8-4	1038	MIDDLETON	12.6	12.8	1.36	3.40	17.4	.6	14	0	FC18	"
2564	8-7	1342	"	12.6	13.0	1.35	3.40	17.6	.6	15	0	"	"
2565	8-11	1123	"	12.6	14.0	1.16	3.39	16.3	.6	14	0	"	"
2566	8-14	0952 1067	"	10.6	8.31	0.67	3.07	5.6	.6	12	0	"	"
2567	8-14	1258	"	11.6	12.7	1.24	3.35	15.7	.6	13	0	"	"
2568	8-19	1037	DE MARS-MIDDLETON	11.6	12.7	1.16	3.35	14.7	.6	13	0	"	"
2569	8-21	1033	MIDDLETON	11.0	12.1	1.27	3.36	15.4	.6	13	0	"	"
2570	8-25	1133	WHISLER-MIDDLETON	12.4	13.7	1.51	3.49	20.7	.6	14	0	"	"
2571	8-27	1133	MIDDLETON	12.2	14.0	1.52	3.50	21.3	.6	13	0	"	"
2572	8-28	1136	"	12.4	14.5	1.50	3.50	21.8	.6	14	0	"	"
2573	9-2	0849	"	12.2	11.2	1.11	3.29	12.4	.6	13	0	"	"
2574	9-2	1058	"	12.6	13.7	1.42	3.45	18.5	.6	13	0	"	"
2575	9-2	1135	"	12.6	13.4	1.38	3.43	18.5	.6	13	0	"	"
2576	9-4	1232	"	13.0	14.0	1.41	3.45	19.7	.6	13	0	"	"
2577	9-8	1313	"	13.1	14.0	1.44	3.45	20.1	.6	13	0	"	"
2578	9-11	1225	"	13.2	14.3	1.38	3.45	19.7	.6	16	0	"	"
2579	9-15	1208	STUNDEN	12.0	11.7	1.17	3.29	13.7	.6	13	0	FC36	"
2580	9-15	1255	"	13.0	14.6	1.59	3.52	23.2	.6	15	+02	"	"
2581	9-15	1028	"	12.5	12.0	1.28	3.34	15.3	.6	16	0	"	"
2582	9-18	0825	"	12.5	12.1	1.24	3.34	15.0	.6	15	0	"	"
2583	9-25	1335	"	12.5	12.4	1.27	3.34	15.8	.6	15	0	"	"
2584	9-29	1138	MIDDLETON	13.1	12.9	1.18	3.34	15.2	.6	14	0	FC26	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER-WEST FORK

below Cogswell Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
2585	10-2	1138 0845	MIDDLETON	13.0	12.0	1.16	3.30	13.9	.6	14	0	FC26	"
2586	10-6	0822 0825	"	13.2	12.2	1.14	3.30	13.9	.6	15	0	"	"
2587	10-9	0855 1012	"	13.0	11.9	1.13	3.29	13.4	.6	14	0	"	"
2588	10-14	0950 1012	"	13.0	12.1	1.17	3.31	14.1	.6	14	0	"	"
2589	10-16	0853	"	49.0	107.	1.35	4.85	144.	.6	16	0	"	"
2590	10-16	1008 1034	"	50.0	114.	1.53	5.00	175.	.6	15	0	"	"
2591	10-17	1110 1404	WINDER-MIDDLETON	51.0	112.	1.53	4.98	171.	.6	17	0	"	"
2592	10-20	1426 1426	MIDDLETON	51.0	115.	1.48	4.92	171.	.6	14	0	"	"
2593	10-23	1030 1034	"	13.0	13.8	0.93	3.27	12.9	.6	14	0	"	"
2594	10-23	1058	"	51.0	113.	1.57	4.98	177.	.6	15	+01	"	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. INS.	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
2595	10-27	1400 1426	"	52.0	107.	1.43	4.85	153.	.6	14	0	"	"
2596	10-30	1045 1120	"	51.6	110.	1.28	4.76	140.	.6	22	0	"	"
2597	10-31	1335 1356	"	12.6	12.1	0.74	3.16	9.0	.6	14	0	"	"
2598	11-3	1128	"	12.9	12.5	0.72	3.16	9.0	.6	14	0	"	"
2599	11-6	1027	"	13.0	12.2	0.73	3.16	8.9	.6	14	0	"	"
2600	11-10	1127	"	13.0	12.1	0.72	3.16	8.7	.6	14	0	"	"
2601	11-13	1212 1232	"	12.8	12.2	0.76	3.16	9.3	.6	14	0	"	"
2602	11-17	1004 1022	DE VORE-WINDER	12.8	12.2	0.70	3.16	8.5	.6	12	0	FC32	"
2603	11-20	1128	DE VORE	12.8	12.1	0.73	3.16	8.9	.6	13	0	"	"
2607	11-24	0815 0845	WINDER-DE VORE	12.7	12.1	0.74	3.16	8.9	.6	18	0	"	"
2608	11-28	0823 0828	WINDER	13.0	12.3	0.75	3.16	9.2	.6	19	0	"	"
2606	12-1	0825 0840	DE VORE-WINDER	12.8	12.3	0.75	3.16	9.2	.6	13	0	"	"
2607	12-4	0825 0846	DE VORE	12.9	12.1	0.75	3.20	9.1	.6	13	0	"	"
2608	12-8	1402 1406	WINDER	12.8	12.2	0.78	3.17	9.6	.6	14	0	"	"
2609	12-10	0950 1014	DE VORE	33.9	44.2	0.54	3.52	23.7	.6	15	0	"	"
2610	12-11	0928 0948	"	34.1	44.6	0.53	3.52	23.6	.6	15	0	"	"
2611	12-13	1172 1216	DE VORE-WINDER	41.6	71.8	0.89	4.19	63.5	.6	17	0	"	"
2612	12-15	1323 1343	WINDER-DE VORE	52.8	93.4	1.22	4.66	114.	.6	20	0	"	"
2613	12-16	1438 1458	WINDER	52.0	87.4	1.16	4.53	101.	.6	19	0	"	"
2614	12-17	1031 1051	DE VORE	40.1	52.7	0.84	3.74	34.0	.6	14	0	"	"
2615	12-18	1122	MIDDLETON	13.0	12.5	0.77	3.18	9.6	.6	14	0	FC26	"
2616	12-19	1000 1020	MIDDLETON-WINDER	53.8	102.	1.31	4.77	134.	.6	23	0	"	"
2617	12-19	0840 0840	"	54.0	110.	1.44	4.91	158.	.6	21	0	"	"
2618	12-20	1437 1515	WINDER-DE VORE	58.0	149.	1.88	5.31	251.	.6	13	0	FC32	"
2619	12-22	1001 1029	MIDDLETON	55.0	127.	1.76	5.20	223.	.6	18	0	"	"
2620	12-23	1334 1352	"	13.2	14.5	0.97	3.31	14.1	.6	13	0	FC26	"
2621	12-23	1523 1523	"	52.0	92.2	1.19	4.58	110.	.6	22	0	"	"
2622	12-26	1040 1110	"	51.4	88.8	1.09	4.51	96.9	.6	24	0	"	"
2623	12-29	1132	"	12.7	14.6	1.11	3.36	16.2	.6	14	0	"	"
2624	1-2	1042 1068	MIDDLETON-WINDER	12.5	14.6	1.08	3.34	15.8	.6	14	0	"	"
2625	1-5	1034 1056	MIDDLETON	12.3	14.9	1.05	3.34	15.6	.6	14	0	"	"
2626	1-8	0912 0912	"	12.5	14.9	1.07	3.35	15.9	.6	14	0	"	"
2627	1-9	1210 1210	"	54.0	142.	2.02	5.48	286.	.6	17	0	"	"
2628	1-9	1422 1422	"	54.0	147.	2.24	5.61	325.	.6	19	0	"	"
2629	1-12	1050 1050	WINDER-MIDDLETON	13.4	15.0	1.13	3.35	17.0	.6	14	-02	"	"
2630	1-13	1045 1028	MIDDLETON	13.4	15.3	1.07	3.34	16.3	.6	14	0	"	"
2631	1-15	1112 1118	"	12.0	7.90	0.51	2.88	4.0	.6	12	0	"	"
2632	1-19	1345 1410	WINDER	11.5	7.47	0.58	2.94	4.3	.6	18	0	FC32	"
2633	1-22	1020 1040	MIDDLETON	11.8	8.33	0.53	2.94	4.4	.6	12	0	FC26	"
2634	1-26	0833 0833	"	11.6	8.17	0.55	2.94	4.5	.6	11	0	"	"
2635	1-29	1030 1050	"	12.0	8.58	0.56	2.95	4.8	.6	11	0	"	"
2636	2-2	1113 1113	"	8.1	3.42	1.40	2.95	4.8	.6	16	0	"	"
2637	2-5	0914 0919	DE VORE-WINDER	7.6	3.62	1.10	2.95	4.0	.6	14	0	FC32	"
2638	2-9												

NO.	DATE	BSHN	MADE BY	WIDTH	AREA OF SECTION	MEAN VELOCITY	DISCHARGE	RAT-ION	METH-OD	MEAN DIS. NO.	IN. CHARGE	RETN-ION	NO.	DATE	BSHN	MADE BY	WIDTH	AREA OF SECTION	MEAN VELOCITY	DISCHARGE	RAT-ION	METH-OD	MEAN DIS. NO.	IN. CHARGE	RETN-ION	
2658	4-30	1180	"	13.0	12.7	0.83	3.47	10.5	.6	13	0	"	2678	8-21	0981	"	8.3	4.34	1.38	3.06	6.0	.6	10	0	"	
2659	5-7	1082	"	13.0	12.8	0.78	3.16	9.8	.6	13	0	"	2679	8-21	1137	"	8.4	4.73	1.61	3.11	7.6	.6	10	0	"	
2660	5-13	1085	"	12.6	10.4	0.45	2.98	4.7	.6	13	0	"	2680	8-22	1088	MIDDLETON	8.8	6.70	2.25	3.30	15.1	.6	10	-02	FC26	
2661	5-13	1210	"	13.0	13.9	0.89	3.24	12.4	.6	13	0	"	2681	8-22	1284	"	8.4	4.42	1.13	3.00	5.0	.6	10	0	"	
2662	5-13	1300	"	13.0	13.5	0.84	3.21	11.4	.6	13	+01	"	2682	8-25	0908	"	7.0	3.15	1.02	2.88	3.2	.6	13	0	"	
2663	5-13	1288	"	13.0	13.8	0.77	3.18	10.2	.6	13	0	"	2683	7-2	0915	"	6.0	2.14	0.84	2.77	1.8	.6	13	0	"	
2664	5-21	1080	"	9.0	5.53	1.65	3.15	9.1	.6	10	0	"	2684	7-8	1089	DE VORE	5.6	1.52	0.58	2.67	0.88	.5	7		FC32	
2665	5-28	0903	"	9.6	5.67	1.45	3.14	8.2	.6	11	0	"	2685	7-9	0905	HASKELL-MIDDLETON	6.2	1.77	0.68	2.72	1.2	.6	12	-02	FC26	
2666	5-28	1002	"	9.6	6.37	1.71	3.20	10.9	.6	11	0	"	2686	7-16	0915	MIDDLETON	4.0	1.42	0.77	2.69	1.3	.6	9	0	"	
2667	6-2	0903	DE VORE	8.9	5.00	1.80	3.12	8.0	.6	11	0	FC32	2687	7-23	0915	"	3.9	1.32	0.70	2.68	0.89	.6	8	0	"	
2668	6-4	1312	MIDDLETON	8.6	4.75	1.60	3.11	7.6	.6	10	0	FC26	2688	7-30	0905	DE VORE	4.3	1.22	0.67	2.65	0.82	.5	7	0	FC32	
2669	6-11	0982	"	8.0	4.52	1.46	3.08	6.6	.6	10	0	"	2689	8-6	1000	STUNDEN	4.5	1.20	0.66	2.68	0.79	.5	10	0	FC36	
2670	6-11	1309	"	8.2	4.95	1.56	3.11	7.7	.6	10	0	"	2690	8-13	0920	"	4.1	1.23	0.67	2.65	0.83	.5	9	0	"	
2671	6-17	1018	DE VORE	8.0	4.59	1.70	3.13	7.8	.6	10	-02	FC32	2691	8-19	1314	DE VORE	4.7	1.17	0.62	2.64	0.73	.5	9	0	FC32	
2672	6-17	1082	"	8.4	4.67	1.58	3.12	7.4	.6	10	0	"	2692	8-27	1424	"	4.5	1.20	0.65	2.64	0.78	.5	9	0	FC28	
2673	6-18	1079	MIDDLETON	8.2	4.83	1.51	3.11	7.3	.6	10	0	FC26	2693	9-3	1426	"	4.3	1.18	0.63	2.64	0.74	.5	8	0	"	
2674	6-18	1510	DE VORE	8.2	4.20	1.43	3.06	6.0	.6	10	-01	FC32	2694	9-10	1414	GODFREY	4.1	1.28	0.51	2.64	0.65	.6	7	0	"	
2675	6-18	1547	"	8.2	4.30	1.47	3.06	6.3	.6	10	0	"	2695	9-17	0905	GODFREY-MIDDLETON	1.6	0.40	0.40	2.57	0.16	.6	5	0	"	
2676	6-20	0985	"	9.0	6.24	2.16	3.28	13.5	.6	10	0	"	2696	9-24	0905	"	1.8	0.42	0.28	2.56	0.12	.6	7	0	"	
2677	6-20	1098	"	8.6	5.52	1.85	3.20	10.2	.6	10	0	"														

UTMAN F. C. Dist. 21 8-30

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F200-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK below Coswell Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	0.2	0.1	0.7	9.2	1.0	4.4	16.0	19.6	9.4	17.8	22
2	9.4	0.2	0.1	0.6	9.4	0.7	4.0	16.0	19.6	9.4	17.8	19.8
3	9.4	0.2	0.1	0.5	9.1	0.6	4.0	16.0	19.1	8.7	17.4	19.1
4	9.4	0.2	0.2	0.4	6.6	0.6	4.0	16.0	19.1	8.3	17.4	19.5
5	9.1	0.2	0.2	0.3	3.8	3.1	3.8	15.6	18.7	7.9	17.4	19.6
6	9.1	0.2	0.3	0.3	3.7	0.8	3.6	16.9	18.2	7.5	17.4	19.6
7	8.7	3.3	0.3	0.7	3.6	2.3	4.5	17.4	17.8	7.2	17.4	20
8	4.5	6.8	0.3	0.6	3.6	3.25	4.4	17.4	17.4	6.4	17.4	20
9	0.3	9.4	0.3	0.6	3.6	2.53	3.8	17.4	17.4	6.8	17.4	20
10	0.2	9.1	2.4	0.6	3.6	1.88	4.0	17.4	16.9	12.1	16.9	20
11	0.2	8.7	4.7	0.6	3.6	1.16	4.4	17.8	16.9	16.5	16.5	20
12	0.2	8.7	5.8	9.0	3.6	4.6	4.4	17.8	16.0	16.0	16.5	19.6
13	0.2	8.3	5.4	34.9	3.6	1.9	4.4	18.2	15.6	16.0	16.5	19.6
14	0.2	8.3	5.0	24.8	2.3	1.9	4.4	18.2	14.8	16.0	15.0	19.6
15	0.2	7.9	4.7	10.9	2.3	2.29	1.33	18.7	14.8	16.0	15.6	19.6
16	0.2	7.5	4.4	9.55	2.3	4.77	2.5	18.5	14.3	16.0	15.2	19.6
17	0.2	7.2	7.6	54.9	2.3	2.78	2.4	27	12.2	16.0	14.8	15.2
18	0.2	6.8	9.4	124.0	2.2	1.95	2.4	29	11.8	16.0	14.8	15.2
19	0.2	4.5	9.1	55.0	2.2	1.48	2.4	28	11.8	16.0	15.2	15.2
20	0.2	0.6	8.3	5.25	1.7	8.7	2.4	2.6	11.0	16.0	15.6	15.2
21	0.2	0.2	8.3	3.22	1.9	8.8	2.6	3.1	11.4	16.0	15.6	15.2
22	0.2	0.1	8.3	1.13	2.2	9.1	2.6	2.9	11.4	16.0	15.6	15.6
23	0.2	0.1	8.3	7.4	2.4	9.4	2.6	2.8	11.4	16.0	15.6	15.6
24	0.2	0.1	7.0	7.3	2.4	9.5	2.6	2.4	11.4	16.0	20	15.6
25	0.2	0.1	5.5	2.59	1.1	4.3	2.6	2.3	11.8	16.5	21	15.6
26	0.2	0.1	5.8	1.74	0.7	4.7	2.6	2.2	12.2	16.5	21	15.6
27	0.2	0.1	5.8	7.2	0.7	4.7	2.5	2.0	12.2	16.5	21	15.6
28	0.2	0.1	6.1	7.0	0.7	4.4	19.6	19.6	11.8	16.5	22	15.2
29	0.2	0.1	7.5	8.0	1.0	4.0	16.0	18.2	11.4	17.4	22	15.8
30	0.2	0.1	6.0	9.5	4.4	4.4	16.0	18.2	10.2	17.8	22	14.6
31	0.2	1.0	9.4			4.4			19.3	17.0	22	
	73.6	99.4	139.2	5965.9	927.5	2841.1	425.0	634.9	438.2	427.3	550.9	524.4

MEAN	2.37	3.31	4.49	198.	32.0	91.6	14.1	20.5	14.6	13.8	17.8	17.5
ACRE-FEET	146.	197.	276.	11830.	1840.	5640.	839.	1260.	869.	848.	1090.	1040.

Remarks:

YEAR MEAN 35.6
OR PERIOD ACRES-FEET 25880

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F200-R

Daily discharge, in second-feet of SAN GABRIEL-WEST FORK below Cogswell Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.9	9.1	10.3	16	4.7	5.0	4.7	10.6	9.4	1.9	0.8	0.8
2	13.9	9.1	9.4	16	4.7	5.0	4.7	10.6	8.0	1.7	1.5	0.7
3	13.9	9.1	9.1	15.6	4.7	5.0	4.7	10.6	7.7	1.5	0.8	0.7
4	13.9	9.1	9.1	15.6	4.7	5.0	4.7	9.8	7.7	1.5	0.8	0.7
5	13.9	9.1	9.1	15.6	4.7	5.0	4.7	9.8	7.7	1.4	0.8	0.7
6	13.9	9.1	9.1	15.6	4.7	5.0	4.7	9.8	7.4	0.9	0.8	0.6
7	13.9	9.1	9.4	16	4.7	5.0	4.7	9.8	7.2	1.8	0.8	0.6
8	13.5	9.1	15.9	16.7	4.7	5.0	4.7	9.8	7.2	0.9	0.8	0.6
9	13.5	9.1	24	28.9	4.7	5.0	4.7	9.4	6.9	0.7	0.8	0.6
10	13.5	9.1	24	23.8	4.7	5.0	4.7	9.4	7.2	0.7	0.8	2.1
11	13.9	9.1	24	66	5.0	5.0	4.7	9.4	7.7	1.9	0.8	3.8
12	13.9	9.1	44	11.5	5.0	5.0	5.0	9.5	7.7	1.2	0.8	2.2
13	14.3	9.4	60	4.4	5.0	5.0	5.0	10.2	7.7	1.3	0.8	1.9
14	14.3	10.2	7.8	4.0	4.7	5.0	5.0	10.2	7.4	1.2	0.8	1.8
15	11.7	9.1	5.4	4.0	4.7	4.7	4.7	5.0	7.4	1.2	0.8	1.8
16	17.3	9.1	3.8	4.4	4.7	4.7	5.0	9.8	7.4	1.2	0.8	0.5
17	17.3	9.1	9.4	4.4	4.7	4.7	5.0	9.8	6.9	1.2	0.8	0.6
18	17.0	9.1	7.3	4.4	4.7	4.7	5.0	9.8	6.2	1.0	0.8	0.2
19	17.0	9.1	17.3	4.4	4.7	5.0	5.4	9.4	8.6	0.9	0.8	0.1
20	120	9.1	23.4	4.4	4.7	5.0	5.4	9.1	6.9	0.9	0.8	1.0
21	12.7	9.1	120	4.4	4.7	5.0	5.4	8.7	6.6	0.9	0.8	0.6
22	62	9.1	4.7	4.4	5.0	5.0	7.5	8.7	3.3	0.8	0.9	0.9
23	17.3	9.1	10.9	4.4	5.0	5.0	9.4	8.7	3.3	0.8	0.9	0.6
24	17.0	9.1	10.3	4.4	5.0	5.0	9.1	8.3	3.0	0.8	0.9	0.6
25	16.1	9.1	9.7	4.4	5.0	5.0	8.7	8.3	2.7	0.8	0.8	0.1
26	15.4	9.1	9.2	4.7	5.0	5.0	8.7	8.3	2.5	1.5	0.8	0.1
27	14.8	9.1	8.4	4.7	5.0	5.0	8.3	9.8	2.3	0.8	0.8	0.8
28	14.2	9.1	4.4	4.7	5.0	5.0	8.3	11	2.0	0.8	0.8	0.7
29	13.8	9.1	1.6	4.7	4.7	4.7	9.6	11	2.0	0.8	0.8	0.7
30	5.4	9.1	1.6	4.7	4.7	4.7	10.6	10.6	2.0	0.8	0.8	0.7
31	5.4	9.1	1.6	4.7	4.7	4.7	10.6	10.6	2.0	0.8	0.8	0.7

2	3	4	5	4	1	3	4	3	1	7	7	2	1	8	6	2	6	2
274.4 977.8 153.2 300.2 35.5 27.2																		
MEAN	75.7	9.1	53.4	31.5	4.80	4.94	5.91	9.68	6.21	1.15	0.85	0.91						
ACRE-FOOT	4650.	544.	3280.	1940.	266.	304.	351.	595.	369.	70.	52.	54.						

Remarks: YEAR OR PERIOD MEAN 17.2 OR ACRE-FOOT 12480.

STATION P3-R
SAN GABRIEL-RIVER-WEST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'30", LONG 117°51'45". ON THE RIGHT (SOUTH) BANK, 0.2 MILE ABOVE RINCON RANGER STATION, 2 MILES ABOVE EAST FORK AND ABOUT 13.5 MILES NORTH OF AZUSA. ELEVATION OF ZERO GAGE HEIGHT, 1474.94 FEET.

DRAINAGE AREA: 102 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 15 FEET BELOW STATION.

RECORDER: INSTALLED DECEMBER 3, 1930 AT P3-R, REMOVED MARCH 2, 1938. INSTALLED ON APRIL 4, 1938, IN A TEMPORARY RECORDER HOUSE AND WELL AT THE ORIGINAL LOCATION. REMOVED JULY 12, 1938 AND INSTALLED AT STATION P3B-R. REMOVED ON SEPTEMBER 27, 1938 AND REINSTALLED AT ORIGINAL LOCATION IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 3, 1930 TO SEPTEMBER 30, 1953. FOR RECORDS PRIOR TO DECEMBER 3, 1930 AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT OFFICE FILED WITH STATION P1-R, SAN GABRIEL RIVER - WEST FORK 0.5 MILE ABOVE FORKS; RECORDS FROM JULY 12, 1938 TO SEPTEMBER 27, 1938 ARE FROM STATION P3B-R, SAN GABRIEL RIVER - WEST FORK, 400 FEET BELOW NORTH FORK.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 7520 SECOND-FOOT JANUARY 16.
MINIMUM 1.1 SECOND FEET SEPTEMBER 22.
1952-53
MAXIMUM 475 SECOND-FOOT DECEMBER 1.
MINIMUM 1.8 SECOND-FOOT AUGUST 7.
1930-53 (STATIONS P1-R, P3-R, P3B-R)
MAXIMUM 34,000 SECOND-FOOT, ESTIMATED MARCH 2, 1938.
MINIMUM 0.3 SECOND-FOOT OCTOBER 17, 1931.

ACCURACY: GOOD.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THIS STATION WAS LATER TAKEN OVER, RECONSTRUCTED, AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	SECH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INH	MEAN R. CHG. INH	R. CHG. TOTAL	METER NO.
2466	11-15	1398	"	5.9	4.97	2.10	6.97	9.6	6	14	0	"
2467	11-19	1398	"	5.8	4.29	1.89	6.94	8.1	6	16	0	"
2468	11-20	1132	"	6.5	5.68	2.50	7.09	14.2	6	15	+02	"
2469	11-21	1425	"	7.6	6.58	2.49	7.12	16.4	6	16	-01	"
2470	11-23	1397	"	7.3	5.63	2.08	7.00	11.7	6	15	0	"
2471	11-26	1432	"	6.8	4.79	1.63	6.91	7.8	6	14	0	"
2472	11-29	1355	"	6.6	4.75	1.28	6.88	6.1	6	14	0	"
2473	12-3	1387	"	6.9	5.13	1.31	6.90	6.7	6	15	0	"
2474	12-5	1384	"	30.5	46.0	1.80	8.06	82.6	6	17	0	"
2475	12-5	1384	"	27.3	41.9	1.33	7.79	55.6	6	16	-02	"
2476	12-5	1440	"	28.0	27.7	1.79	7.65	49.5	6	15	-02	"
2477	12-6	1492	"	8.4	8.89	2.49	7.23	22.1	6	14	-01	"
2478	12-10	1199	"	7.7	5.87	1.50	6.98	10.3	6	16	0	"
2479	12-12	1189	"	44.0	45.7	1.57	7.96	71.9	6	20	0	"
2480	12-12	1455	"	47.5	51.8	1.73	8.06	89.4	6	21	-02	"
2481	12-13	1940	"	39.5	34.9	1.57	7.69	54.8	6	19	0	"
2482	12-17	1393	"	9.6	8.88	2.67	7.23	23.7	6	20	0	"
2483	12-19	1178	"	10.1	12.0	2.68	7.34	32.1	6	16	0	"
2484	12-20	1492	"	9.2	9.59	2.72	7.26	26.1	6	19	0	"
2485	12-27	1378	"	9.1	8.08	2.20	7.13	17.8	6	19	0	"

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	BAUVE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. NO.	MEAN. SEC. NO.	W. INT. CHANGE TOTAL	METER NO.	NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	BAUVE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. NO.	MEAN. SEC. NO.	W. INT. CHANGE TOTAL	METER NO.
2486	12-29	1215	MIDDLETON-LANPHEAR	16.0	14.8	3.11	7.54	46.0			6 14	+01	"	2552	3-15	1048 1110	"	62.0	139	3.04	9.06	422			6 21	+10	"
2487	12-29	1222	"	45.0	37.5	1.49	7.72	55.7			6 16	+04	"	2553	3-15	1350	"	68.0	182	4.32	9.75	786			6 17	+02	"
2488	12-29	1238	"	48.0	53.4	1.59	8.02	84.9			6 16	+04	"	2554	3-15	1443 1510	"	72.0	292	7.02	11.34	2050			6 16	+28	"
2489	12-29	2005	"	65.0	76.0	1.74	8.34	132			6 17	+02	"	2555	3-15	1605 1635	"	73.0	309	6.54	11.29	2020			6 17	+14	"
2490	12-30	2738	"	67.0	137	2.86	9.24	392			6 14	+08	"	2556	3-15	2100 2133	"	72.0	298	6.22	11.13	1840			6 19	+06	"
2491	12-30	1899	"	67.0	139	2.83	9.22	393			6 16	+04	"	2557	3-16	2325 2355	"	71.0	248	5.97	10.69	1480			6 18	+02	"
2492	12-30	1858	"	63.0	124	2.85	9.00	354			6 16	+01	"	2558	3-16	2542 2572	"	71.0	261	5.40	10.56	1410			6 18	+02	"
2493	12-31	1128	MIDDLETON	58.0	66.7	1.92	8.29	128			6 19	+01	"	2559	3-16	1338 1368	"	89.0	222	4.64	10.24	1030			6 18	+26	"
2494	1-2	1899	"	42.0	36.1	1.85	7.68	59.7			6 19	0	"	2560	3-16	1538 1568	"	69.0	208	4.63	10.10	954			6 22	+01	"
2495	1-3	1375	"	37.0	30.0	1.82	7.58	48.7			6 19	0	"	2561	3-17	1355 1377	MIDDLETON	87.0	180	3.93	9.70	708			6 20	+01	"
2496	1-7	1265	"	36.6	26.6	1.58	7.68	42.0			6 19	0	"	2562	3-20	1522 1522	"	83.0	125	2.92	9.03	365			6 21	0	"
2497	1-10	1249	"	31.2	19.6	1.44	7.28	28.3			6 17	+01	"	2563	3-24	1577 1593	MIDDLETON-WINDER	82.0	121	2.60	8.87	315			6 18	0	FC11
2498	1-12	2139 2147	MIDDLETON-LANPHEAR	74.0	312	6.41	11.28	2000			6 20	+04	"	2564	3-24	1604 1634	"	62.0	121	2.60	8.87	315			6 18	0	FC26
2499	1-12	2242	"	73.0	316	6.14	11.30	1940			6 16	+40	"	2565	3-28	1120 1127	MIDDLETON	63.0	120	2.86	8.90	343			6 21	0	FC18
2500	1-13	2339	"	71.0	203	4.22	10.00	857			6 18	+06	"	2566	3-31	1338 1338	MIDDLETON-WINDER	60.5	106	2.65	8.74	281			6 20	+01	"
2501	1-13	2323	"	68.0	164	3.47	9.45	569			6 15	+04	"	2567	4-3	1335 1335	MIDDLETON	48.0	62.6	3.29	8.61	206			6 24	+01	"
2502	1-13	1018	"	69.0	180	3.74	9.66	674			6 15	0	"	2568	4-7	1415 1443	MIDDLETON-WINDER	54.4	75.1	2.61	8.55	196			6 23	+01	"
2503	1-13	1128	"	71.0	207	4.53	10.08	938			6 16	+02	"	2569	4-8	1047 1070	MIDDLETON	56.5	82.2	2.75	8.64	226			6 24	+01	"
2504	1-14	1349	MIDDLETON	63.0	130	2.71	9.00	353			6 15	0	"	2570	4-10	1359 1377	"	54.2	74.9	2.64	8.57	198			6 23	0	"
2505	1-15	1120	MIDDLETON-LANPHEAR	62.8	90.3	2.27	8.62	205			6 22	-02	"	2571	4-14	1430 1430	HYDE-MIDDLETON	55.0	81.4	1.82	8.36	148			6 25	0	"
2506	1-15	1658	TREAT-LANPHEAR	65.0	112	2.80	8.95	314			6 14	+07	"	2572	4-15	1010 1017	MIDDLETON	55.0	89.0	1.70	8.35	151			6 26	0	"
2507	1-15	2035	"	70.0	178	3.73	9.67	664			6 15	+23	"	2573	4-17	1413 1447	"	55.5	91.4	1.68	8.38	154			6 26	0	"
2508	1-16	2645	"	78.0	445	8.00	11.81	3560			6 16	+03	"	2574	4-21	1148 1148	WINDER-MIDDLETON	54.0	88.8	1.70	8.36	151			6 25	0	"
2509	1-16	1338	MIDDLETON-TREAT	71.0	271	5.97	10.67	1620			6 17	+03	"	2575	4-24	1342 1342	MIDDLETON	55.0	87.6	1.81	8.31	141			6 23	+01	"
2510	1-16	1688	"	69.0	244	5.94	10.50	1450			6 16	0	"	2576	4-28	1525 1525	"	55.0	83.7	1.52	8.24	127			6 23	+02	"
2511	1-17	1128	MIDDLETON	68.0	193	4.98	9.98	962			6 18	+01	"	2577	5-1	1328 1330	"	55.0	84.8	1.53	8.24	130			6 24	0	"
2512	1-17	1824	"	69.0	204	5.53	10.09	1130			6 19	+03	"	2578	5-5	1310 1338	"	54.5	78.8	1.48	8.19	117			6 25	0	"
2513	1-17	2149	MIDDLETON-LANPHEAR	72.0	304	7.90	11.35	2400			6 16	+20	"	2579	5-8	1325 1327	"	55.0	79.8	1.48	8.16	112			6 22	+01	"
2514	1-18	2005	"	74.0	359	8.60	11.65	3090			6 16	+10	"	2580	5-12	1443 1443	"	54.5	76.2	1.33	8.08	101			6 23	+01	"
2515	1-18	2339	"	80.0	463	9.87	12.05	4570			6 17	+20	"	2581	5-15	1335 1335	"	35.5	40.3	2.48	8.09	99.8			6 19	0	"
2516	1-18	2327	"	77.0	458	8.62	11.92	3960	SURF		16	+04	"	2582	5-19	1318 1347	"	35.2	40.5	2.37	8.08	95.8			6 19	0	"
2517	1-18	1048	"	75.0	382	7.33	11.46	2800			6 16	+48	"	2583	5-22	1333 1338	"	35.5	39.7	2.28	8.07	90.6			6 19	0	"
2518	1-18	1282	"	73.0	315	6.63	11.08	2090			6 16	0	"	2584	5-26	1282 1282	"	35.2	37.4	2.17	8.00	81.0			6 18	0	"
2519	1-19	1342	MIDDLETON	69.0	215	5.40	10.10	1160			6 16	+04	"	2585	5-29	1325 1325	"	32.2	33.9	2.06	7.91	69.7			6 19	0	"
2520	1-20	1385	"	67.0	194	4.40	9.89	853			6 21	+01	"	2586	6-2	1345 1375	"	31.5	34.0	1.99	7.91	67.6			6 18	+01	"
2521	1-21	1085	"	66.0	190	4.23	9.72	802			6 19	+04	"	2587	6-5	0840 0807	"	31.5	33.8	1.96	7.90	66.1			6 19	0	"
2522	1-24	1429	"	59.0	77.4	2.56	8.52	198			6 20	0	"	2588	6-9	0809 0827	"	32.0	33.2	1.92	7.88	63.8			6 18	+01	"
2523	1-25	1312	"	66.0	168	3.54	9.40	594			6 16	0	"	2589	6-12	1418 1418	"	30.6	31.5	1.84	7.81	57.9			6 18	0	"
2524	1-28	1138	"	47.0	54.2	3.45	8.43	187			6 22	0	"	2590	6-16	1065 1065	"	28.6	30.7	1.82	7.81	55.8			6 17	0	"
2525	1-31	1438	"	53.8	83.1	2.43	8.49	202			6 21	0	"	2591	6-19	1358 1358	"	28.7	27.8	1.64	7.71	45.7			6 17	+01	"
2526	2-5	1145	MIDDLETON-CANAVAN	41.0	43.2	3.10	8.17	134			6 22	0	"	2592	6-23	1217 1252	"	25.4	28.2	1.61	7.72	45.4			6 16	+01	"
2527	2-7	1318	MIDDLETON	38.6	42.2	2.94	8.11	124			6 23	+01	"	2593	6-26	1419 1419	"	25.4	28.3	1.72	7.73	48.6			6 16	0	"
2528	2-11	1069	"	37.8	38.6	2.69	8.03	104			6 21	0	"	2594	6-30	1037 1037	"	25.4	27.6	1.60	7.70	44.2			6 18	+01	"
2529	2-15	1086	"	31.5	35.7	2.28	7.88	81.4			6 17	0	"	2595	7-3	1415 1426	"	25.4	25.3	1.52	7.62	38.5			6 19	+01	"
2530	2-18	1359	"	31.0	36.6	2.08	7.84	76.0			6 17	0	"	2596	7-7	1423 1450	"	24.0	24.4	1.39	7.56	33.8			6 17	+01	"
2531	2-21	1378	HYDE-MIDDLETON	31.0	34.1	1.97	7.77	67.3			6 17	0	"	2597	7-10	0850 0877	"	24.5	25.0	1.38	7.55	34.6			6 18	0	"
2532	2-25	1329	MIDDLETON	31.2	33.2	1.85	7.73	61.4			6 17	0	"	2598	7-14	1075 1075	"	25.4	27.6	1.52	7.68	42.0			6 21	0	"
2533	2-26	1589	"	28.5	27.7	1.55	7.52	43.0			6 17	0	"	2599</													

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - WEST FORK

above Forks DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	MEAN. SEC. NO.	MT. CHANGE TOTAL	METER NO.
2619	10-2	1350	MIDDLETON	20.8	19.8	1.25	7.40	24.7	.6	16	0	FC26
2619	10-6	1435	"	20.5	19.7	1.29	7.40	25.4	.6	16	0	"
2620	10-9	1412	"	20.8	20.0	1.28	7.41	25.6	.6	17	0	"
2621	10-14	1308	"	20.8	20.0	1.32	7.41	26.3	.6	18	0	"
2622	10-16	1428	"	57.0	98.8	1.81	6.58	186	.6	20	+01	"
2623	10-20	1389	"	46.0	59.2	3.02	8.56	179	.6	15	0	"
2624	10-23	1383	"	20.8	20.4	1.25	7.41	25.5	.6	18	0	"
2625	10-30	1388	"	47.0	55.4	2.76	6.43	153	.8	20	0	"
2628	11-6	1514	"	21.0	18.2	1.11	7.31	20.2	.6	16	0	"
2627	11-10	1484	"	21.2	19.0	1.13	7.35	21.5	.6	15	0	"
2628	11-13	1393	"	21.2	19.2	1.21	7.36	23.2	.6	16	0	"
2629	11-15	1189	"	31.6	34.0	1.97	7.92	67.0	.6	17	+11	"
2630	11-15	1440	"	54.2	65.6	2.29	8.37	150	.6	23	-.06	"
2631	11-16	1610	"	29.0	27.1	1.82	7.66	43.9	.6	16	-.01	"
2632	11-17	1424	"	22.4	23.3	1.53	7.55	35.6	.6	18	0	"
2633	11-19	1397	"	22.8	21.7	1.34	7.46	29.0	.6	18	0	"
2634	11-24	1418	"	22.0	20.7	1.21	7.43	25.1	.6	16	0	"
2635	11-28	1412	"	22.8	21.0	1.29	7.43	27.1	.6	17	0	"
2636	12-1	1302	"	23.4	22.1	1.32	7.45	29.1	.6	17	0	"
2637	12-1	2315	MIDDLETON-LANPHEAR	66.0	149	3.00	9.31	447	.6	16	+10	"
2638	12-2	1136	MIDDLETON	33.6	37.3	2.30	8.04	85.8	.6	23	-.02	"
2639	12-3	1413	"	27.2	25.9	1.81	7.72	47.0	.6	21	-.01	"
2640	12-5	0913	"	25.9	20.4	1.78	7.57	36.3	.6	16	0	"
2641	12-8	1114	"	25.0	19.7	1.62	7.52	32.0	.6	19	0	"
2642	12-11	1330	"	26.4	23.2	1.89	7.67	43.9	.6	18	0	"
2643	12-18	0859	"	25.2	18.6	1.61	7.49	30.0	.6	19	0	"
2644	12-20	0854	MIDDLETON-LANPHEAR	63.0	123	2.67	9.00	328	.6	20	-.01	"
2645	12-20	1530	"	34.0	35.8	2.52	6.11	90.3	.6	18	-.02	"
2646	12-20	1625	"	62.0	118	2.79	9.01	329	.6	21	0	"
2647	12-22	1340	MIDDLETON	61.0	74.0	2.96	8.69	219	.6	21	-.18	"
2648	12-26	0857	"	55.2	82.6	1.59	8.32	131	.6	21	0	"
2649	12-29	1550	"	27.1	26.0	1.95	7.77	50.6	.6	20	-.31	"
2650	12-31	1230	"	30.8	26.5	1.89	7.77	50.2	.6	16	0	"
2651	1-2	0930	"	26.0	24.0	1.87	7.70	44.9	.6	19	0	"
2652	1-5	1344	"	26.8	23.8	1.77	7.66	42.1	.6	21	0	"
2653	1-8	1400	"	29.2	26.7	1.98	7.79	52.9	.6	22	0	"
2654	1-13	1240	"	29.0	25.5	1.92	7.75	48.9	.6	22	0	"
2655	1-15	1434	"	27.4	20.6	1.65	7.56	34.0	.6	23	0	"
2656	1-19	1518	"	26.6	20.0	1.57	7.52	31.4	.6	20	0	"
2657	1-22	1325	"	26.6	19.5	1.52	7.49	29.6	.6	24	0	"
2658	1-26	1134	"	26.2	18.2	1.47	7.45	26.7	.6	24	0	"
2659	1-29	0850	"	26.4	18.6	1.42	7.43	26.4	.6	24	0	"
2660	2-2	0933	"	20.8	17.6	1.35	7.41	23.7	.6	22	0	"
2661	2-5	1324	"	21.0	17.1	1.36	7.39	23.2	.6	21	0	"
2662	2-9	0850	"	20.8	16.9	1.37	7.38	23.1	.6	21	0	"
2663	2-13	1304	"	20.8	16.9	1.36	7.37	23.0	.6	19	0	"
2664	2-16	0940	"	20.8	16.6	1.31	7.36	21.7	.6	19	0	"
2665	2-19	1224	"	21.0	16.8	1.29	7.35	21.7	.6	18	0	"
2666	2-24	1309	"	21.6	17.7	1.26	7.38	22.3	.6	20	0	"
2667	2-26	1345	"	20.6	16.7	1.35	7.36	22.6	.6	19	0	"
2668	3-2	1524	"	20.6	17.5	1.43	7.40	25.0	.6	19	0	"
2669	3-5	1415	MIDDLETON-LINDSAY	20.8	16.7	1.32	7.37	22.0	.6	17	0	"
2670	3-9	0840	MIDDLETON	20.8	16.4	1.34	7.35	21.9	.6	17	0	"
2671	3-12	0838	"	20.8	16.5	1.34	7.35	22.1	.6	18	0	"
2672	3-16	0913	"	20.8	16.6	1.28	7.34	21.2	.6	16	0	"
2673	3-19	0916	"	20.8	16.5	1.27	7.34	20.9	.6	16	0	"
2674	3-20	1023	"	21.0	19.0	1.55	7.48	29.4	.6	18	-.01	"
2675	3-23	1118	"	20.8	17.0	1.33	7.36	22.6	.6	17	0	"

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INR	MEAN. SEC. NO.	MT. CHANGE TOTAL	METER NO.
2676	3-26	1328	"	20.6	16.1	1.34	7.34	21.6	.6	17	0	"
2677	3-30	1532	"	20.4	16.1	1.32	7.34	21.3	.6	17	0	"
2678	4-2	1339	"	20.4	15.7	1.29	7.32	20.3	.6	17	0	"
2679	4-6	1355	"	20.4	16.0	1.29	7.32	20.7	.6	18	0	"
2680	4-8	0829	"	20.4	15.9	1.29	7.32	20.5	.6	17	0	"
2681	4-13	1324	"	48.0	15.0	1.29	7.30	19.4	.6	18	0	"
2682	4-16	1112	"	17.6	14.6	1.28	7.29	18.6	.6	16	0	"
2683	4-20	1122	"	18.2	16.0	1.44	7.36	23.0	.6	18	0	"
2684	4-23	0823	"	17.6	14.7	1.34	7.31	19.7	.6	17	0	"
2685	4-24	0830	"	18.0	16.1	1.43	7.38	23.0	.6	18	0	"
2686	4-27	1511	"	18.2	16.1	1.44	7.39	23.2	.6	18	0	"
2687	4-28	1445	"	18.4	17.1	1.58	7.44	27.1	.6	18	+01	"
2688	4-30	1328	"	18.2	16.8	1.45	7.40	24.1	.6	18	0	"
2689	5-4	0847	"	19.0	16.3	1.42	7.38	23.2	.6	18	0	"
2690	5-7	1222	"	18.0	15.5	1.37	7.35	21.3	.6	16	0	"
2691	5-11	0833	"	18.8	15.6	1.37	7.35	21.4	.6	18	0	"
2692	5-14	1133	"	19.0	15.9	1.38	7.36	22.0	.6	18	0	"
2693	5-18	1328	"	18.6	15.4	1.34	7.34	20.6	.6	18	0	"
2694	5-21	1520	"	18.4	15.2	1.31	7.33	19.9	.6	18	0	"
2695	5-25	1527	"	18.4	14.9	1.31	7.32	19.5	.6	18	0	"
2696	5-28	1233	"	18.4	16.5	1.37	7.39	22.6	.6	18	0	"
2697	6-1	1330	THOMAS-MIDDLETON	18.2	16.2	1.40	7.38	22.7	.6	19	0	"
2698	6-4	0826	MIDDLETON	17.0	15.1	1.30	7.33	19.7	.6	16	0	"
2699	6-8	1528	"	17.0	14.5	1.24	7.32	18.0	.6	17	0	"
2700	6-11	1433	"	17.0	13.7	1.21	7.27	16.6	.6	17	-.01	"
2701	6-15	1520	"	16.0	12.9	1.18	7.23	15.2	.6	16	0	"
2702	6-18	1322	"	16.2	14.0	1.31	7.31	18.4	.6	16	0	"
2703	6-22	1428	"	16.4	13.0	1.05	7.21	13.6	.5	16	0	"
2704	6-23	1421	"	16.4	12.1	0.92	7.15	11.1	.6	16	-.01	"
2705	6-25	1310	"	14.4	11.1	0.85	7.11	9.4	.6	15	0	"
2706	6-29	0840	"	13.4	10.2	0.86	7.08	8.8	.6	13	0	"
2707	7-2	1250	"	13.0	9.05	0.88	7.02	8.0	.6	13	0	"
2708	7-6	1425	"	12.6	8.10	0.78	6.97	6.3	.6	12	-.01	"
2709	7-9	1355	HASKELL-MIDDLETON	12.6	8.53	0.80	6.99	6.8	.6	12	-.01	"
2710	7-13	0837	MIDDLETON	12.4	8.21	0.85	7.00	7.0	.6	12	0	"
2711	7-16	1232	"	12.6	7.76	0.72	6.99	5.6	.6	12	0	"
2712	7-20	1372	"	12.0	7.27	0.67	7.31	4.9	.6	12	-.01	"
2713	7-21	1549	"	11.0	6.80	0.68	6.88	4.6	.6	12	-.01	"
2714	7-23	1340	"	11.0	6.52	0.75	6.87	4.9	.6	12	0	"
2715	7-27	1530	HASKELL-MIDDLETON	10.8	6.40	0.64	6.85	4.1	.6	12	0	"
2716	7-30	1222	MIDDLETON	11.0	6.23	0.64	6.84	4.0	.6	11	0	"
2717	8-4	1329	"	11.2	6.72	0.70	7.12	4.7	.6	12	0	"
2718	8-6	1355	STUNDEN	10.0	5.70	0.75	7.10	4.3	.6	12	0	FC32
2719	8-10	1425	"	8.0	6.62	0.56	7.05	3.7	.6	11	0	FC36
2720	8-13	1225	"	8.0	6.98	0.53	7.07	3.7	.6	10	0	"
2721	8-17	0830	"	8.0	6.88	0.54	7.06	3.7	.6	10	0	"
2722	8-20	1210	DE VORE-STUNDEN	9.0	6.98	0.46	7.05	3.2	.6	10	0	"
2723	8-24	1071	DE VORE	8.0	6.70	0.52	7.05	3.5	.6	9	0	FC26
2724	8-27	1324	"	8.7	6.86	0.45	7.05	3.1	.6	10	0	"
2725	8-31	1323	"	8.5	7.22	0.51	7.09	3.7	.6	10	0	"
2726	9-3	1350	"	9.0	7.49	0.53	7.10	4.0	.6	10	0	"
2727	9-8	1105	GODFREY	9.6	7.20	0.38	7.06	2.7	.6	11	0	"
2728	9-10	0914	"	9.0	6.96	0.37	7.05	2.6	.6	11	0	"
2729	9-14	1055										

WD14M 7.0. Dis. 01 4-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PG-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	2.3	6.3	8.1	21.2	6.9	23.8	13.0	6.9	4.0	4.0	3.7
2	10	2.3	7.9	6.3	2.0	3.8	2.1	13.0	6.8	3.8	4.0	3.6
3	9.7	2.0	6.6	5.0	20.0	4.8	2.2	12.8	6.8	3.7	3.8	3.4
4	9.7	2.0	6.6	4.2	17.1	4.8	2.8	12.5	6.6	3.6	3.6	3.5
5	9.2	1.9	4.6	3.7	13.2	7.7	2.2	11.8	6.4	3.5	3.6	3.4
6	8.9	1.8	1.9	3.4	12.8	4.8	2.0	11.6	6.4	3.4	3.7	3.4
7	8.6	1.8	1.5	4.2	12.5	10.6	2.1	11.4	6.3	3.3	3.8	3.4
8	7.9	4.6	1.2	3.4	11.8	4.2	2.1	11.3	6.2	3.2	3.8	3.3
9	2.9	9.7	1.1	3.1	11.3	3.8	1.9	11.0	6.1	3.3	3.7	3.3
10	1.9	1.0	1.0	2.8	10.8	3.9	1.9	10.8	6.0	3.4	3.6	3.4
11	1.6	1.0	1.4	2.7	10.4	3.3	1.7	10.5	6.0	4.2	3.6	3.5
12	1.6	1.0	6.2	3.0	10.2	2.3	1.6	10.4	5.9	4.1	3.6	3.5
13	1.5	9.7	4.2	8.1	9.9	1.2	1.5	10.2	5.8	4.0	3.5	3.4
14	1.4	9.2	4.1	4.9	8.5	1.1	1.5	9.9	5.6	4.0	3.5	3.3
15	1.3	9.7	3.2	4.4	8.2	9.2	1.5	9.9	5.4	4.0	3.5	3.2
16	1.3	9.2	2.7	2.5	8.1	11.3	1.6	9.8	5.2	4.0	3.3	2.8
17	1.3	8.9	2.5	1.3	7.8	7.2	1.5	10.2	4.8	4.0	3.3	2.7
18	1.3	8.6	2.7	2.6	7.6	5.5	1.5	10.2	4.6	4.0	3.3	2.8
19	1.3	1.0	2.9	1.1	7.5	4.7	1.6	9.8	4.8	3.9	3.3	3.1
20	1.2	1.8	2.7	8.1	6.9	3.7	1.5	9.3	4.4	3.8	3.2	3.3
21	1.1	1.9	2.6	3.0	6.8	3.5	1.5	9.7	4.4	3.8	3.1	3.2
22	1.1	1.2	2.5	2.1	6.7	3.2	1.4	9.1	4.3	4.0	3.1	3.1
23	1.2	1.1	2.4	2.1	6.4	3.1	1.4	8.7	4.4	4.1	3.1	3.0
24	1.3	1.1	2.3	2.0	6.2	3.2	1.4	8.3	4.5	4.2	3.1	3.0
25	1.3	1.6	1.9	4.2	5.7	3.5	1.6	8.1	4.8	4.1	3.1	3.0
26	4.5	7.9	1.9	3.6	4.4	3.6	1.5	7.8	4.9	4.0	3.6	3.0
27	3.4	7.6	1.8	1.9	4.2	3.7	1.4	7.6	4.8	4.0	3.6	2.9
28	2.8	7.0	1.8	1.8	4.0	3.5	1.3	7.3	4.5	4.0	3.6	2.8
29	2.4	6.3	6.2	1.9	5.6	3.5	1.3	7.2	4.2	4.0	3.6	2.7
30	2.4	6.0	3.0	2.0	5.5	3.1	1.3	7.2	4.1	4.2	3.7	2.6
31	2.3	1.3	2.8	2.0	5.5	2.8	7.1	4.0	4.0	3.7	3.7	2.6
122.3												
1146.5												
2868												
5196												
1619												
1196												
1096												
953												
MEAN	3.95	7.95	37.0	458.	98.9	335.	173.	99.2	54.0	38.6	35.3	31.8
ACRE- FEET	243.	473.	2270.	28190.	5690.	20620.	10310.	6100.	3210.	2370.	2170.	1890.
Remarks:												YEAR MEAN 115.
												OR PERIOD ACRE-FEET 83540.

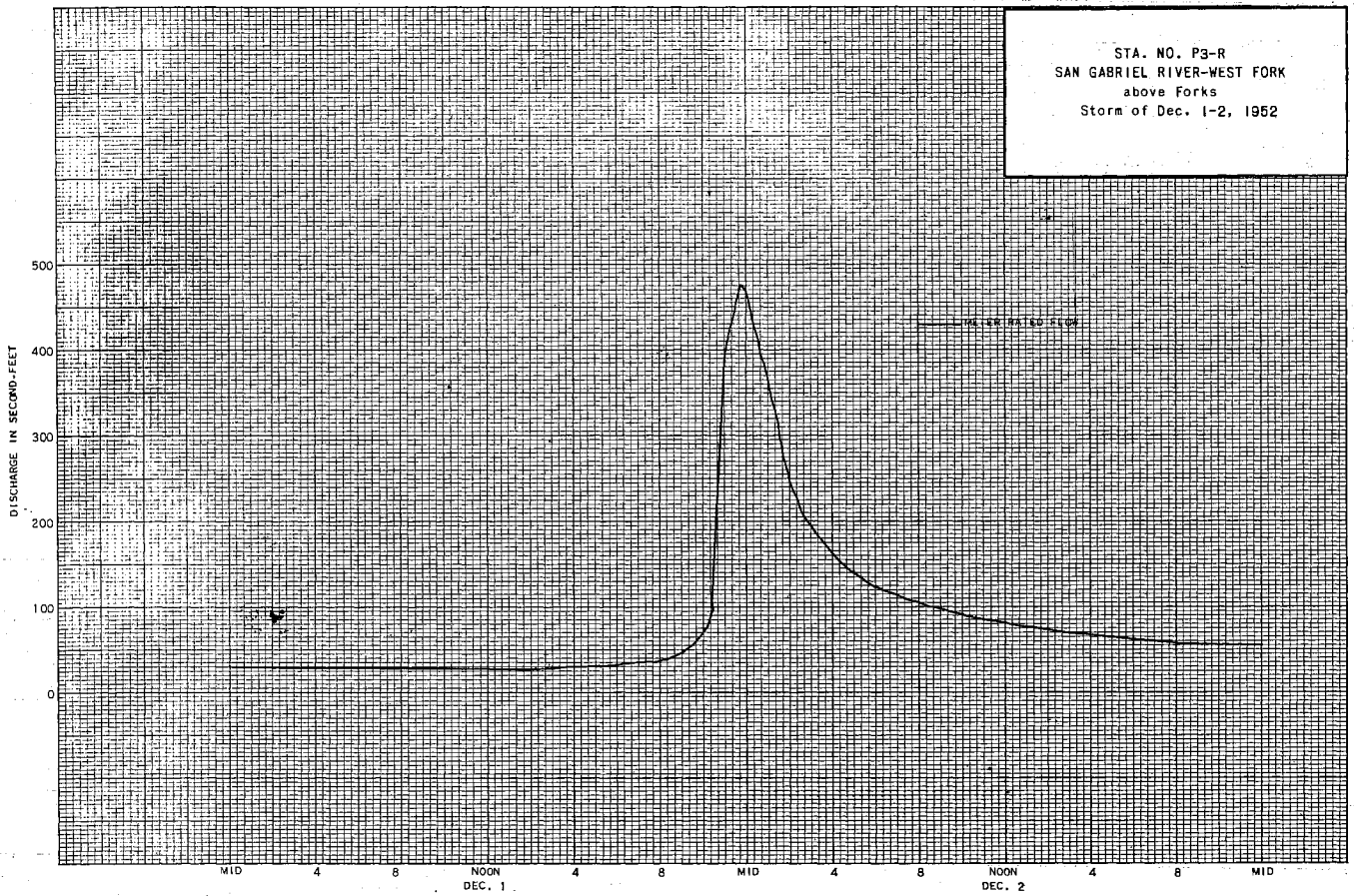
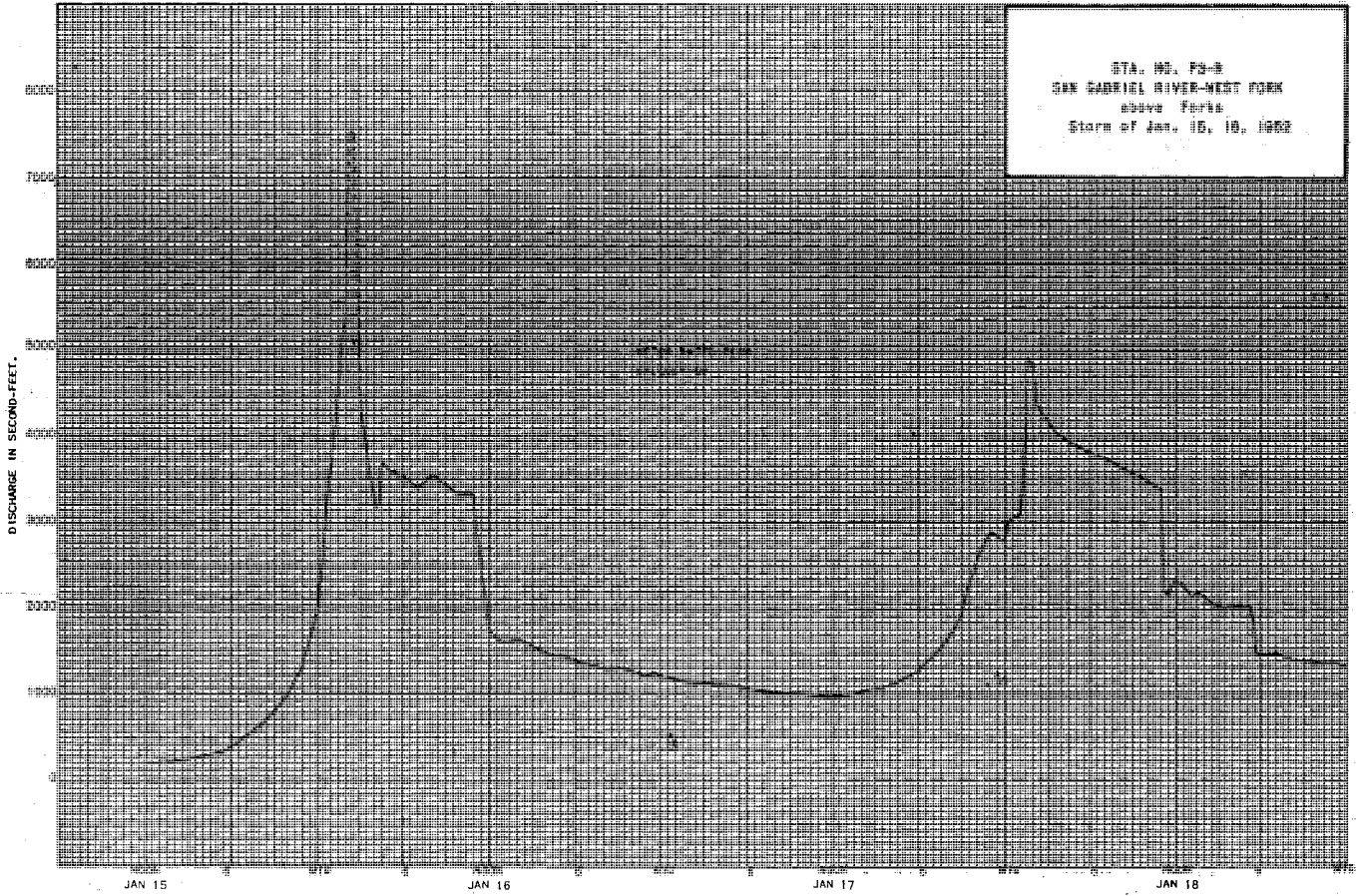
WD14M 6.4 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PG-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - WEST FORK above Forks for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	2.3	5.5	4.7	2.5	2.6	2.1	2.5	2.2	7.9	4.0	3.7
2	2.5	2.2	1.7	4.4	2.5	2.6	2.0	2.4	2.0	7.6	4.2	3.7
3	2.5	2.0	4.6	4.3	2.5	2.4	2.0	2.2	1.9	7.3	4.3	3.7
4	2.6	2.0	3.9	4.2	2.4	2.3	2.0	2.2	1.9	7.0	4.5	3.5
5	2.5	2.0	3.6	4.2	2.4	2.2	2.0	2.2	1.8	6.6	4.0	3.5
6	2.5	2.0	3.5	4.4	2.4	2.2	2.0	2.1	1.8	6.3	3.5	2.9
7	2.6	2.1	3.3	5.7	2.3	2.2	2.0	2.1	1.8	6.1	2.0	2.6
8	2.6	2.7	3.2	5.3	2.3	2.2	2.0	2.2	1.8	5.5	2.3	2.4
9	2.6	2.3	3.5	1.9	2.3	2.2	2.0	2.2	1.8	6.1	2.8	2.3
10	2.6	2.2	4.5	3.8	2.3	2.2	2.0	2.1	1.7	5.2	3.5	2.3
11	2.6	2.2	4.4	3.2	2.3	2.2	2.0	2.0	1.7	4.8	3.7	2.3
12	2.6	2.2	4.4	1.2	2.3	2.2	2.0	2.0	1.7	4.8	4.0	2.9
13	2.6	2.3	5.6	4.9	2.2	2.2	2.0	2.0	1.7	5.9	3.7	4.3
14	2.6	3.6	7.8	3.7	2.2	2.2	2.0	2.2	1.6	5.2	3.4	3.4
15	2.6	3.7	9.8	3.4	2.2	2.2	2.0	2.2	1.5	5.2	3.2	3.1
16	10.9	5.4	6.8	3.3	2.2	2.1	1.8	2.2	1.6	5.2	3.2	3.5
17	19.2	3.7	7.0	3.3	2.2	2.1	1.8	2.2	1.6	5.2	3.2	3.7
18	18.8	3.2	3.0	3.2	2.2	2.1	1.8	2.1	1.6	5.2	3.2	3.4
19	18.5	3.0	7.0	3.1	2.2	2.2	1.8	2.0	1.8	5.0	3.2	3.1
20	18.0	2.9	2.5	3.1	2.2	2.2	1.8	2.0	1.8	4.6	3.1	2.8
21	15.1	2.8	2.9	3.0	2.2	2.5	2.3	2.0	1.7	4.6	3.2	2.7
22	2.8	2.7	1.8	3.0	2.1	2.4	2.0	2.0	1.6	4.5	3.2	2.6
23	5.4	2.6	6.5	2.9	2.3	2.2	2.0	2.0	1.1	4.5	3.1	2.6
24	19.8	2.5	1.4	2.8	2.4	2.2	2.2	2.0	9.7	4.5	3.1	2.6
25	18.3	2.5	1.3	2.7	2.2	2.2	2.2	2.0	9.1	4.2	3.1	2.7
26	17.6	2.6	1.3	2.7	2.2	2.2	2.2	2.0	8.8	4.2	3.1	2.8
27	16.8	2.6	1.2	2.6	2.2	2.1	2.4	2.0	8.5	4.1	2.8	3.1
28	16.2	2.7	1.3	2.6	2.2	2.1	2.8	2.2	8.5	4.0	3.1	3.1
29	15.8	2.7	9.1	2.6	2.2	2.2	2.5	2.3	8.2	3.8	3.5	2.9
30	15.2	3.2	5.0	2.5	2.2	2.2	2.4	2.2	7.9	3.8	3.5	2.8
31	8.9		5.1	2.5	2.2	2.2	2.2	2.2		3.8	3.7	2.6
274.8												
269.6												
63.9												
62.3												
459.7												
104.4												
84.9												
1970												
69.8												
660												
162.9												
90.7												
MEAN	88.6	28.3	87.0	61.5	22.8	22.5	20.8	21.3	15.3	5.25	9.37	3.02
ACRE- FEET	5450.	1680.	5350.	3910.	1270.	1380.	1240.	1310.	912.	323.	207.	180.
Remarks:												YEAR MEAN 32.1
												OR PERIOD ACRE-FEET 22210.



STATION P4B-R
SAN GABRIEL RIVER-EAST FORK above Forks

LOCATION: WATER-STAGE RECORDER, LAT. 34°14'09". LONG. 117°48'18". ON THE RIGHT (NORTH) BANK ABOVE THE HIGH WATER LINE OF SAN GABRIEL DAM, 2.5 MILES ABOVE THE WEST FORK AND 8 MILES NORTHEAST OF GLENDORA. ELEVATION OF ZERO GAGE HEIGHT, 1587.04 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.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 23 FEET ABOVE GAGE.

RECORDER: INSTALLED NOVEMBER 30, 1932 AT STATION P4-R. MOVED TO STATION P4B-R DECEMBER 10, 1938 AND INSTALLED IN A CONCRETE HOUSE OVER A 4 FT. X 4 FT. CONCRETE STILLING WELL. AN AUTOMATIC RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: AT STATION P4-R AND P4B-R. NOVEMBER 30, 1932 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 1110 SECOND-FEET JANUARY 16.
MINIMUM 2.4 SECOND-FEET OCTOBER 1.

1952-53
MAXIMUM 116 SECOND-FEET DECEMBER 2.
MINIMUM 5.1 SECOND-FEET SEPTEMBER 17.

1932-53
MAXIMUM 46000 SECOND-FEET MARCH 2, 1938 (COMPUTED BY GEOLOGICAL SURVEY.)
MINIMUM 1.5 SECOND-FEET OCTOBER 1, 1934.

ACCURACY: POOR DUE TO EXTREME CHANNEL SHIFT.

OPERATION: MOVED FROM A PREVIOUS LOCATION BY THE DISTRICT FOR THE PASADENA WATER DEPARTMENT. THE STATION WAS LATER TAKEN OVER, RECONSTRUCTED AND OPERATED BY THE DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCHES.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - EAST FORK

above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REC. FT.	RAW INB	METH CR	MEAN REC. NO.	% CHG TOTAL	METER NO.
		1044 1058	"	21.0	68.4	9.06	8.90	620.					
		1406 1440	"	23.0	60.1	9.32	9.18	560.					
2120	10-1	1530 1546	MIDDLETON	4.4	2.27	1.06	6.14	2.4		6	12	0	FC26
2121	10-4	1558	"	4.3	2.11	1.33	6.17	2.8		6	12	0	"
2122	10-8	1838	"	4.1	2.19	1.37	6.17	3.0		6	11	0	"
2123	10-11	1502 1518	"	3.8	2.02	1.34	6.17	2.7		6	11	0	"
2124	10-15	1119	"	3.8	1.79	1.56	6.17	2.8		6	10	0	"
2125	10-18	1558	"	3.8	1.70	1.47	6.15	2.5		6	11	-01	"
2126	10-22	1448	"	4.4	2.24	1.43	6.18	3.2		6	12	0	"
2127	10-25	0910 0931	"	8.1	6.93	2.99	6.50	20.7		6	17	0	"
2128	10-25	1502 1522	"	7.5	6.47	2.72	6.46	17.6		6	16	-02	"
2129	10-28	0936 0958	"	7.8	4.92	1.97	6.34	9.7		6	16	0	"
2130	10-29	1192	"	6.1	3.83	1.70	6.26	6.5		6	14	0	"
2131	11-2	1097 1026	"	6.0	3.76	1.65	6.26	6.2		6	14	0	"
2132	11-5	1341 1358	"	5.2	3.11	1.61	6.22	5.0		6	12	0	"
2133	11-8	1898	"	5.2	3.17	1.70	6.24	5.4		6	12	0	"
2134	11-13	1388	"	5.4	3.19	1.79	6.25	5.7		6	14	0	"
2135	11-15	1149 1258	"	5.5	3.23	1.80	6.25	5.8		6	14	0	"
2136	11-19	1826	"	5.2	3.03	1.88	6.24	5.7		6	14	0	"
2137	11-20	1243 1305	"	8.1	6.84	2.51	6.45	17.2		6	17	0	"
2138	11-21	1525	"	8.3	6.86	2.42	6.45	16.6		6	17	0	"
2139	11-23	1430	"	8.2	6.95	2.29	6.45	15.9		6	12	0	"
2140	11-26	1198	"	8.0	5.74	1.99	6.37	11.4		6	16	0	"
2141	11-29	1513 1533	"	7.4	5.34	1.84	6.34	9.8		6	15	0	"
2142	12-3	1817 1838	"	7.3	5.66	1.96	6.37	11.1		6	15	0	"
2143	12-5	8739	"	18.8	24.4	4.43	7.28	108.		6	12	0	"
2144	12-5	1128	"	15.2	18.7	3.22	6.97	60.3		6	16	-01	"
2145	12-5	1340	"	14.6	16.6	3.09	6.87	51.4		6	16	-02	"
2146	12-6	1513	"	12.8	11.9	2.66	6.65	31.6		6	17	0	"
2147	12-10	1835	"	10.2	7.98	2.24	6.48	17.9		6	13	0	"
2148	12-12	1026	"	13.8	16.0	3.04	6.86	48.6		6	17	-02	"
2149	12-12	1345 1370	"	13.8	15.4	2.85	6.82	43.9		6	17	0	"
2150	12-13	1532 1557	"	13.7	12.8	2.60	6.68	33.3		6	17	0	"
2151	12-17	1539	"	11.9	10.0	2.41	6.53	24.1		6	18	0	"
2152	12-19	1892	"	11.7	10.7	2.37	6.56	25.4		6	15	0	"
2153	12-20	1539	"	11.0	9.31	2.21	6.51	20.6		6	15	0	"
2154	12-27	1439 1457	"	10.6	7.91	2.10	6.44	16.6		6	14	0	"
2155	12-29	1055	"	14.0	14.2	2.71	6.71	38.5		6	15	0	"
2156	12-29	1392	MIDDLETON-LANPHEAR	15.6	18.1	2.96	6.87	53.5		6	16	+06	"
2157	12-29	1525 1543	"	19.0	28.4	4.15	7.40	118.		6	13	+10	"
2158	12-29	1850 1900	"	17.0	34.2	6.26	7.92	214.		6	9	+02	"
2159	12-29	2130	"	17.0	38.7	7.16	8.02	277.		6	10	+02	"
2160	12-30	2020 2040	"	18.0	46.8	7.69	8.30	360.		6	10	+02	"
2161	12-30	2574	"	20.0	55.2	8.89	8.86	496.		6	11	+02	"
		1044 1058	"	21.0	68.4	9.06	8.90	620.					
		1406 1440	"	23.0	60.1	9.32	9.18	560.					
		1827	"	23.0	60.8	8.73	9.25	531.					
		1319	MIDDLETON	23.0	31.9	6.61	8.61	211.					
		1407 1486	"	24.6	24.6	3.63	8.14	89.3					
		1514 1538	"	23.2	23.2	3.34	8.08	77.4					
		1108	"	23.0	20.2	3.15	8.00	63.6					
		1518	"	23.6	18.9	2.89	7.96	54.6					
		1406 1485	"	27.2	17.4	3.07	7.90	53.4					
		1945 2006	MIDDLETON-LANPHEAR	30.5	35.3	4.93	8.52	174.					
		2342 2315	"	TWO CHANNELS		9.20	558	SURF ⁶					17 +06
		0142	"	"	"	9.32	631						8 24 +02
		0519	MIDDLETON	86.0	97.8	6.04	9.45	591.					6 20 +02
		1400 1424	MIDDLETON-LANPHEAR	THREE CHANNELS		9.02	271.	SURF ⁶					6 23 +02
		1045 1128	MIDDLETON-LANPHEAR	TWO CHANNELS		9.30	151.						6 35 +04
		0935 0958	MIDDLETON-LANPHEAR	37.8	31.7	3.91	9.12	124.					6 17 +02
		1818	TREAT-LANPHEAR	39.0	37.4	5.05	9.39	189.					6 14 +06
		2235 2325	"	TWO CHANNELS		9.65	396.	EST ⁶					6 18 +01
		1125 1145	"	"	"	10.68	1110.						6 22 0
		1510 1535	MIDDLETON-TREAT	"	"	10.21	811.						6 21 +02
		1038	MIDDLETON	"	"	9.23	402.						6 19 +04
		1400 1432	"	"	"	9.29	444.						6 18 +06
		2025 2052	MIDDLETON-LANPHEAR	"	"	9.62	594.						6 17 +06
		0953 0713	"	"	"	9.98	794.						6 18 0
		1307 1335	"	"	"	9.78	623.						6 19 +04
		1448	MIDDLETON	THREE CHANNELS		9.22	425.	SURF ⁶					6 12 0
		1130 1202	"	"	"	9.12	264.	SURF ⁶					6 21 0
		1220 1241	"	TWO CHANNELS		8.90	245.						6 15 0
		1510 1541	"	"	"	8.81	160.						6 21 0
		1893	"	"	"	8.85	187.						6 13 +01
		1533	"	27.5	33.1	4.53	8.75	150.					6 16 0
		1504 1532	"	28.6	32.9	4.19	8.74	138.					6 17 0
		0945 1004	MIDDLETON-CANAVAN	28.6	33.3	4.29	8.76	143.					6 16 0
		1213 1337	MIDDLETON	30.5	35.3	3.77	8.70	133.					6 18 0
		1499	"	30.2	31.6	3.99	8.64	126.					6 18 0
		1110	"	27.0	29.2	3.60	8.58	105.					6 15 0
		1520 1544	"	26.5	27.7	3.40	8.54	94.2					6 16 0
		1822	HYDE-MIDDLETON	25.4	26.0	3.10	8.50	80.7					6 16 0
		1129	MIDDLETON	25.4	25.3	3.22	8.46	81.4					6 15 0
		1518	"	25.9	25.5	2.92	8.43	74.5					6 16 0
		0953 1020	"	28.5	32.0	3.75	8.64	120.					6 16 +02
		1192	"	26.0	26.3	3.12	8.47	82.2					6 16 0
		1824	"	26.4	25.9	2.86	8.43	74.2					6 15 0
		1139	MIDDLETON-LANPHEAR	TWO CHANNELS		8.97	260.	EST ⁶					6 10 +02

SAN GABRIEL RIVER - EAST FORK

above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	SEIN	MADE BY	WIDTH	AREA OF	MEAN	GAUGE	DICHARGE	RAT.	METH.	MEAN	Q. MT.	METER
		NO.		FEET	SECTION	VELOCITY	HEIGHT	REG. FT.	ING	OD	REG. NO.	TOTAL	NO.
					NO. FT.	FT/SEC.	FEET						
2208	3-7	1319	"	"	"	"	8.97	256.	.6	12	-.02	"	"
2207	3-8	1333	MIDDLETON	32.0	31.0	4.35	8.66	135.	.6	19	0	"	"
2208	3-9	1369	"	31.6	28.4	3.80	8.58	108.	.6	18	0	"	"
2209	3-10	1128	"	31.8	31.1	4.12	8.63	128.	.6	19	+01	"	"
2210	3-10	1613	"	18.5	33.8	6.89	8.92	233.	.6	11	+01	"	"
2211	3-10	1873	"	18.5	40.2	7.99	9.06	321.	.6	11	0	"	"
2212	3-11	1393	"	17.0	31.5	6.48	8.85	204.	.6	11	0	"	"
2213	3-13	1592	"	32.4	35.6	4.16	8.76	148.	.6	19	0	"	"
2214	3-15	0200	MIDDLETON-LANPHEAR	31.8	35.5	3.94	8.74	140.	.6	19	0	"	"
2215	3-15	0947	"	32.2	38.7	4.42	8.83	171.	.6	20	+04	"	"
2216	3-15	1348	"	35.0	50.4	7.61	9.26	384.	EST.	15	+12	"	"
2217	3-15	1746	"	TWO	CHANNELS		9.68	822.	.6	17	-.08	"	"
2218	3-16	0930	"	"	"	"	8.97	480.	.6	19	0	"	"
2219	3-16	1442	"	"	"	"	8.98	374.	.6	18	0	"	"
2220	3-17	1504	MIDDLETON	"	"	"	8.70	324.	.6	20	0	"	"
2221	3-21	1817	"	"	"	"	8.51	201.	EST.	6	15	0	"
2222	3-24	1419	MIDDLETON-WINDER	25.0	32.7	5.39	8.43	176.	.6	14	0	FC11	"
2223	3-24	1488	MIDDLETON	25.0	32.7	5.69	8.43	186.	.6	14	0	FC31	"
2224	3-28	1013	"	TWO	CHANNELS		8.84	358.	.6	24	-.01	FC18	"
2225	3-31	1017	MIDDLETON-WINDER	"	"	"	8.87	371.	.6	24	-.01	"	"
2226	4-3	1440	MIDDLETON	"	"	"	8.82	326.	.6	23	0	"	"
2227	4-7	1312	MIDDLETON-WINDER	THREE	CHANNELS		8.82	327.	.6	25	0	"	"
2228	4-8	0937	MIDDLETON	"	"	"	8.82	336.	.6	23	0	"	"
2229	4-10	1514	"	"	"	"	8.71	302.	.6	22	0	"	"
2230	4-14	1107	HYDE-MIDDLETON	"	"	"	8.57	226.	.6	19	0	"	"
2231	4-15	0905	MIDDLETON	"	"	"	8.56	261.	.6	22	0	"	"
2232	4-17	1507	"	"	"	"	8.50	246.	.6	24	0	"	"
2233	4-21	0930	WINDER-MIDDLETON	"	"	"	8.53	251.	.6	23	0	"	"
2234	4-24	1508	MIDDLETON	"	"	"	8.51	244.	.6	24	0	"	"
2235	4-29	1488	MIDDLETON-KING	"	"	"	8.44	230.	.6	16	-.01	"	"
2236	5-1	1455	MIDDLETON	"	"	"	8.45	232.	.6	18	0	"	"
2237	5-5	1928	WINDER-MIDDLETON	"	"	"	8.52	259.	.6	23	-.01	"	"
2238	5-8	1428	MIDDLETON	32.0	41.6	5.10	8.43	212.	.6	16	-.01	"	"
2239	5-12	1526	"	33.0	40.5	4.91	8.38	199.	.6	16	0	"	"
2240	5-15	1457	"	33.0	40.2	4.83	8.34	194.	.6	16	0	"	"
2241	5-19	1518	"	32.0	37.6	4.49	8.27	169.	.6	16	0	"	"
2242	5-22	1593	"	32.0	38.4	4.77	8.28	183.	.6	16	0	"	"
2243	5-26	0810	"	29.0	36.6	4.45	8.25	163.	.6	15	0	"	"
2244	5-29	1450	"	30.0	36.8	4.00	8.17	147.	.6	17	-.01	"	"
2245	6-2	1502	"	31.5	35.1	3.87	8.11	136.	.6	18	0	"	"
2246	6-5	1599	"	23.6	35.6	3.65	8.10	130.	.6	19	0	"	"
2247	6-10	1204	"	23.8	34.3	3.41	8.00	117.	.6	15	0	"	"
2248	6-12	1518	"	23.6	33.0	3.15	7.96	104.	.6	15	0	"	"
2249	6-16	0924	"	23.8	32.7	3.09	7.97	101.	.6	17	0	"	"
2250	6-19	1524	"	23.5	31.8	2.73	7.92	86.9	.6	20	-.01	"	"
2251	6-23	0930	"	23.3	31.7	2.78	7.93	88.2	.6	20	0	"	"
2252	6-26	1521	"	23.1	31.9	2.70	7.91	86.0	.6	22	0	"	"
2253	6-30	1557	"	22.8	29.6	2.36	7.85	69.8	.6	22	-.01	"	"
2254	7-3	1508	"	22.6	28.7	2.34	7.83	67.1	.6	19	-.01	"	"
2255	7-7	1559	"	23.0	27.7	2.29	7.76	63.3	.6	18	-.01	"	"
2256	7-10	1508	"	23.2	27.0	2.29	7.78	61.7	.6	20	-.01	"	"
2257	7-14	0924	"	22.8	31.5	2.08	7.81	65.4	.6	24	0	"	"
2258	7-17	1525	"	22.4	29.9	1.86	7.77	55.5	.6	23	-.01	"	"
2259	7-24	1520	"	22.6	28.9	1.92	7.76	55.4	.6	20	-.01	"	"
2260	7-28	1452	"	21.8	29.7	1.96	7.78	58.2	.6	23	0	"	"
2261	7-31	1415	LANG	22.3	28.2	1.88	7.74	53.1	.6	17	0	FC12	"
2262	8-4	0910	MIDDLETON	22.4	28.9	1.85	7.80	53.6	.6	23	0	FC18	"
2263	8-7	0904	"	22.2	28.9	1.81	7.80	52.4	.6	23	0	"	"
2264	8-11	1522	"	20.2	26.3	1.70	7.70	44.7	.6	21	-.01	"	"
2265	8-14	1514	"	20.3	25.6	1.48	7.65	38.0	.6	21	-.01	"	"

NO.	DATE	SEIN	MADE BY	WIDTH	AREA OF	MEAN	GAUGE	DICHARGE	RAT.	METH.	MEAN	Q. MT.	METER
		NO.		FEET	SECTION	VELOCITY	HEIGHT	REG. FT.	ING	OD	REG. NO.	TOTAL	NO.
					NO. FT.	FT/SEC.	FEET						
2266	8-18	1444	DE MARS-MIDDLETON	20.6	24.8	1.83	7.65	37.9	.6	22	0	"	"
2267	8-21	1510	MIDDLETON	20.6	25.2	1.41	7.62	35.6	.6	22	-.01	"	"
2268	8-28	1504	"	20.2	25.1	1.38	7.60	34.2	.6	21	0	"	"
2269	9-4	1520	"	20.4	23.9	1.25	7.82	29.9	.6	21	0	"	"
2270	9-11	1580	"	21.4	26.0	1.21	8.01	31.6	.6	20	-.01	"	"
2271	9-16	1105	STUNDEN	17.5	23.8	1.22	7.69	29.0	.6	16	0	FC36	"
2272	9-18	1580	"	20.5	23.5	1.07	7.65	25.2	.6	20	0	"	"
2273	9-20	0925	"	20.0	25.5	1.36	7.80	34.6	.6	20	0	"	"
2274	9-26	0900	"	19.0	23.8	1.30	7.79	30.8	.6	22	0	"	"
2275	9-29	1520	MIDDLETON	21.0	24.4	1.03	7.74	25.2	.6	18	-.01	FC26	"

SAN GABRIEL RIVER - EAST FORK

above Forks DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	SEIN	MADE BY	WIDTH	AREA OF	MEAN	GAUGE	DICHARGE	RAT.	METH.	MEAN	Q. MT.	METER
		NO.		FEET	SECTION	VELOCITY	HEIGHT	REG. FT.	ING	OD	REG. NO.	TOTAL	NO.
					NO. FT.	FT/SEC.	FEET						
2276	10-2	1515	MIDDLETON	23.0	21.1	1.07	7.71	22.6	.6	19	-.01	FC26	"
2277	10-6	1530	"	20.0	21.2	1.47	7.67	22.3	.6	20	0	"	"
2278	10-9	1522	"	20.2	21.2	1.06	7.67	22.4	.6	21	-.01	"	"
2279	10-14	1340	"	20.2	21.1	1.03	7.66	21.7	.6	15	0	"	"
2280	10-16	1332	"	20.0	19.1	1.07	7.65	20.4	.6	17	0	"	"
2281	10-20	0928	"	20.2	19.0	1.10	7.68	20.9	.6	15	0	"	"
2282	10-23	1118	"	20.2	19.7	1.08	7.68	21.3	.6	16	0	"	"
2283	10-27	0924	"	20.2	19.2	1.04	7.68	20.0	.6	16	-.01	"	"
2284	10-30	1548	"	20.0	18.9	1.04	7.65	19.7	.6	14	0	"	"
2285	11-6	1328	"	20.2	19.3	0.93	7.71	18.0	.6	16	0	"	"
2286	11-10	1555	"	20.2	19.8	0.98	7.73	19.5	.6	15	0	"	"
2287	11-13	0944	"	20.2	20.1	1.06	7.74	21.4	.6	16	0	"	"
2288	11-15	1204	"	30.0	25.9	2.33	8.03	60.3	.6	17	0	"	"
2289	11-15	1524	"	30.8	47.5	1.26	8.06	59.8	.6	17	-.02	"	"
2290	11-16	1450	"	21.2	23.9	1.35	7.84	32.3	.6	17	0	"	"
2291	11-17	1338	"	20.4	22.1	1.27	7.78	28.0	.6	17	0	"	"
2292	11-19	1529	"	20.4	21.2	1.17	7.73	24.9	.6	16	0	"	"
2293	11-24	0953	"	20.4	21.0	1.15	7.77	24.1	.6	17	0	"	"
2294	11-28	0918	"	20.2	20.4	1.11	7.76	22.7	.6	16	0	"	"
2295	12-1	1018	"	20.2	21.1	1.22	7.80	25.8	.6	16	0	"	"
2296	12-1	2203	MIDDLETON-LANPHEAR	29.7	36.8	1.55	7.84	57.2	.6	16	+06	"	"
2297	12-2	0020	"	31.9	49.6	2.14	8.06	106.	.6	17	+08	"	"
2298	12-2	1006	MIDDLETON	29.6	35.6	1.47	7.83	52.2	.6	16	0	"	"
2299	12-3	0950	"	29.1	30.2	1.27	7.71	38.5	.6	17	0	"	"
2300	12-5	1012	"	27.6	27.2	1.11	7.63	30.3	.6	19	0	"	"
2301	12-8	1022	"	27.2	25.5	1.08	7.59	27.6	.6	17	0	"	"
2302	12-11	1232	"	26.8	24.8	0.99	7.57	24.5	.6	15	0	"	"
2303	12-18	1402	"	26.4	23.6	1.13	7.58	26.7	.6	19	0	"	"
2304	12-20	0930	MIDDLETON-LANPHEAR	29.6	34.5	1.43	7.82	49.5	.6	16	+01	"	"
2305	12-20	1403	"	29.4	34.2	1.74	7.83	59.3	.6	16	-.01	"	"
2306	12-22	1458	MIDDLETON	27.2	26								

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	RAISE HEIGHT FEET	DISCHARGE CUB. FT.	RAT. INR.	METH. NO.	MEAN REL. NO.	R. FT. CHANGE TOTAL	METER NO.
2321	2-9	1348 1422	"	25.6	23.7	1.16	7.38	27.5	.6	22	0	"	"
2322	2-13	0904 0992	"	26.4	23.0	1.19	7.57	27.3	.6	20	0	"	"
2323	2-16	1429 1457	"	25.8	22.4	1.17	7.56	26.1	.6	21	-.01	"	"
2324	2-19	1115	"	24.8	22.5	1.16	7.56	26.1	.6	20	0	"	"
2325	2-24	1500 1509	"	24.6	22.7	1.09	7.55	24.8	.6	22	0	"	"
2326	2-26	1504 1505	"	25.0	22.8	1.12	7.54	25.6	.6	23	0	"	"
2327	3-2	1017 1045	"	24.8	23.6	1.17	7.58	27.5	.6	22	0	"	"
2328	3-5	1520	MIDDLETON-LINDSAY	28.0	23.1	1.10	7.54	25.3	.6	19	0	"	"
2329	3-9	1398 1400	MIDDLETON	14.4	14.7	1.73	7.55	25.5	.6	17	0	"	"
2330	3-12	1516 1517	"	14.4	15.0	1.71	7.55	25.7	.6	17	0	"	"
2331	3-16	1010 1018	"	14.8	15.3	1.64	7.54	25.1	.6	17	0	"	"
2332	3-19	1515 1546	"	14.0	14.5	1.70	7.54	24.6	.6	15	0	"	"
2333	3*20	0933 0937	"	14.3	16.1	2.01	7.64	32.4	.6	16	0	"	"
2334	3-23	1430	"	14.4	15.8	1.71	7.73	27.0	.6	16	0	"	"
2335	3-26	1504 1505	"	14.6	15.2	1.61	7.73	24.5	.6	16	0	"	"
2336	3-30	1120 1121	"	14.6	15.9	1.69	7.76	26.8	.6	16	0	"	"
2337	4-2	1524 1525	"	14.6	15.3	1.59	7.73	24.4	.6	16	0	"	"
2338	4-6	1415 1439	"	14.6	15.6	1.67	7.75	26.0	.6	16	0	"	"
2339	4-9	1522	"	14.6	15.3	1.65	7.74	25.3	.6	16	0	"	"
2340	4-13	1404 1428	"	14.6	15.5	1.55	7.72	24.1	.6	16	0	"	"
2341	4-16	1009 1022	"	14.6	15.2	1.54	7.72	23.4	.6	16	0	"	"
2342	4-20	1022 1026	"	14.8	16.4	1.74	7.79	28.6	.6	16	0	"	"
2343	4-23	1033 1037	"	14.8	15.6	1.62	7.75	25.2	.6	16	0	"	"
2344	4-27	1404 1428	"	14.6	15.6	1.69	7.75	26.3	.6	16	0	"	"
2345	4-28	1350	"	14.8	16.5	1.85	7.80	30.6	.6	16	0	"	"
2346	4-30	1448 1512	"	14.8	15.8	1.66	7.76	26.2	.6	16	0	"	"
2347	5-4	1020 1026	"	14.8	15.0	1.51	7.72	22.6	.6	16	0	"	"
2348	5-7	1333 1357	"	14.6	14.9	1.48	7.71	22.1	.6	16	0	"	"
2349	5-11	0942 1034	"	14.6	14.9	1.43	7.70	21.3	.6	16	0	"	"
2350	5-14	1307	"	14.6	14.6	1.42	7.69	20.8	.6	16	0	"	"
2351	5-18	0900 0930	"	14.6	14.6	1.40	7.71	20.5	.6	16	0	"	"
2352	5-21	1303 1327	"	14.6	14.4	1.38	7.70	19.9	.6	16	0	"	"
2353	5-25	1348 1412	"	14.6	14.5	1.34	7.69	19.5	.6	16	0	"	"
2354	5-28	1503 1526	"	14.8	15.5	1.50	7.75	23.2	.6	16	0	"	"
2355	6-1	1069 1128	"	14.8	14.6	1.31	7.69	19.1	.6	16	0	"	"
2356	6-4	0957 0960	"	14.6	14.1	1.25	7.68	17.6	.6	16	+.01	"	"

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PWB-R

Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	6.3	1.0	1.25	1.44	1.04	3.60	2.38	1.36	71	51	3.1
2	2.5	6.3	1.1	9.1	14.9	8.6	3.52	2.64	1.36	69	4.8	3.1
3	2.7	5.8	1.1	7.7	14.6	8.2	3.41	2.74	1.38	69	4.8	3.0
4	2.8	5.4	1.1	7.1	14.6	8.0	3.38	2.67	1.33	73	5.0	3.0
5	3.0	5.3	6.4	6.4	14.4	7.8	3.34	2.54	1.33	75	4.8	3.2
6	3.0	5.1	3.2	5.8	13.8	7.7	3.31	2.44	1.33	75	4.6	3.0
7	3.0	5.3	2.7	7.1	13.6	1.95	3.41	2.35	1.31	75	4.6	3.0
8	3.0	5.4	2.3	5.8	13.3	1.41	3.40	2.22	1.23	73	4.5	3.3
9	2.8	5.4	2.0	5.4	13.1	1.11	3.13	2.13	1.16	69	4.4	3.0
10	2.7	5.4	1.8	5.4	12.8	1.81	3.06	2.10	1.16	66	4.4	3.0
11	2.7	5.4	1.8	5.1	12.6	2.13	2.88	2.07	1.14	66	4.5	3.3
12	2.7	5.6	4.7	10.8	12.1	1.73	2.67	2.04	1.09	64	4.4	3.4
13	2.8	5.6	3.4	3.70	11.4	1.54	2.61	1.98	1.06	62	4.2	3.0
14	2.8	5.6	3.1	1.45	10.9	1.44	2.61	1.96	1.02	62	4.2	3.0
15	2.8	5.8	2.8	1.68	10.6	1.44	2.58	1.96	1.02	62	4.2	3.0
16	2.8	5.6	2.6	8.33	10.2	3.94	2.58	1.96	1.02	61	4.0	2.7
17	2.7	5.8	2.4	5.10	9.7	4.49	2.54	1.93	9.7	5.9	3.9	2.7
18	2.6	5.8	2.3	6.76	9.7	2.84	2.58	1.78	9.5	5.8	3.8	2.7
19	2.7	6.6	2.4	4.36	9.1	2.61	2.67	1.78	9.1	5.6	3.8	3.4
20	2.8	1.9	2.1	2.84	8.6	2.29	2.54	1.84	8.9	5.3	3.8	3.3
21	3.0	1.8	2.1	2.41	8.2	2.01	2.51	1.93	8.6	5.4	3.8	2.7
22	3.1	1.6	2.0	2.19	8.2	1.90	2.48	1.81	8.6	5.4	3.8	2.5
23	3.2	1.5	1.9	1.93	8.2	1.84	2.48	1.76	8.4	5.4	3.6	2.3
24	3.2	1.4	1.8	1.68	8.2	1.87	2.51	1.70	8.4	5.6	3.6	2.5
25	1.5	1.3	1.8	1.90	8.2	2.3.6	2.71	1.68	8.6	5.4	3.8	2.5
26	9.8	1.1	1.7	1.76	8.0	3.17	2.58	1.62	8.6	5.3	3.6	2.9
27	7.6	1.1	1.7	1.62	7.7	3.70	2.31	1.59	8.0	6.1	3.6	2.6
28	7.0	1.0	1.7	1.54	7.5	3.54	2.29	1.54	7.7	6.1	3.4	2.6
29	6.3	9.8	1.02	1.49	8.6	3.56	2.29	1.49	7.7	5.8	3.4	2.5
30	6.3	9.8	5.53	1.41	8.6	3.75	2.29	1.44	7.3	5.6	3.3	2.5
31	6.3	9.8	2.20	1.38	8.6	3.71	2.29	1.38	7.3	5.4	3.2	2.5
127.1 254.3 152.5 623.6 317.2 690.8 842.3 613.6 193.0 126.8 86.5												
MEAN	4.10	8.48	49.2	201.	109.	223.	281.	198.	104.	62.3	40.9	28.8
PER. FEET	252.	504.	3020.	12370.	6290.	13700.	16710.	12170.	6170.	3630.	2520.	1720.
Remarks:												
YEAR OR PERIOD	1952											
MEAN ACRES-FEET	79260.											

7074X Cb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. PHE-R

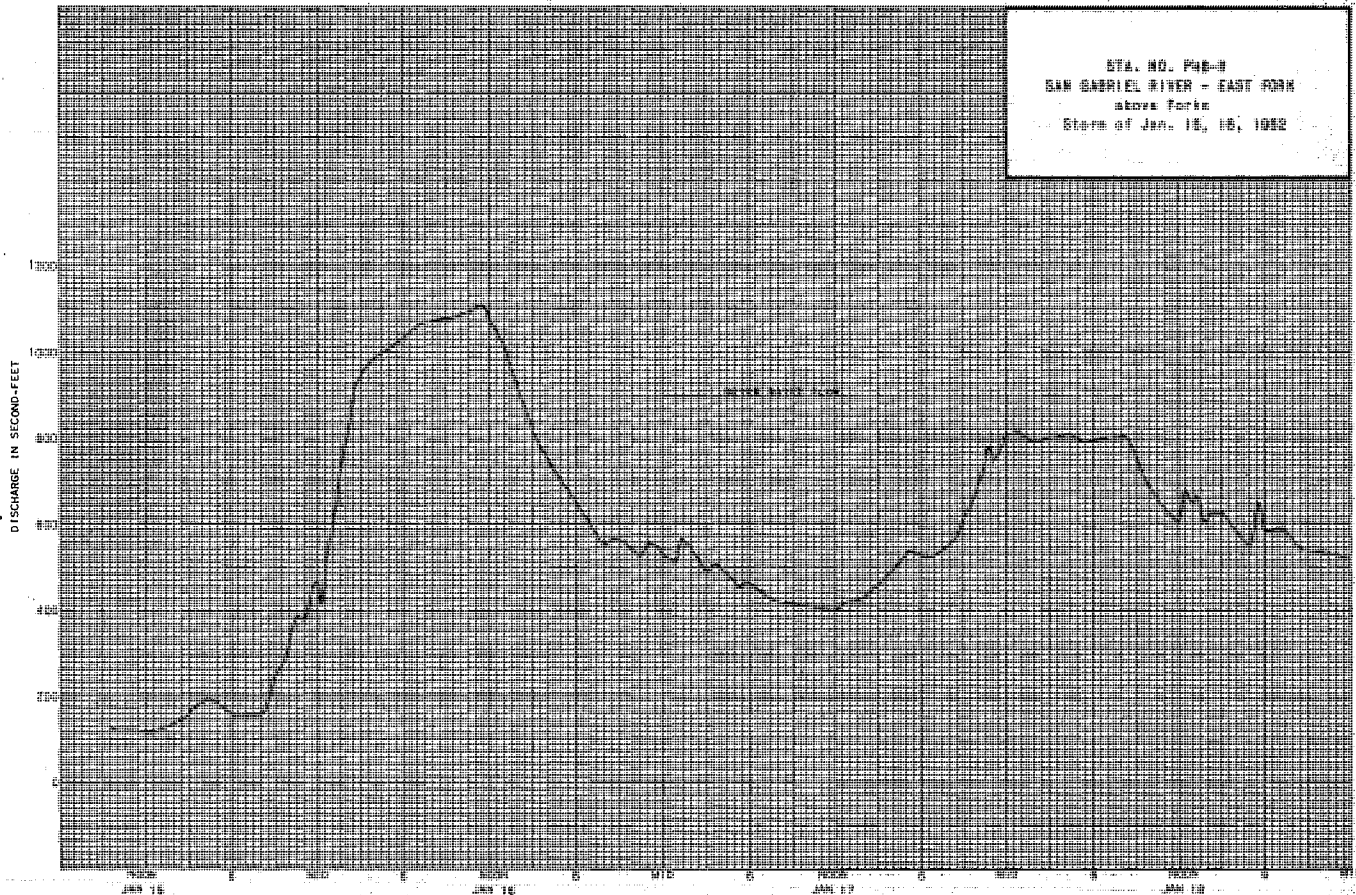
Daily discharge, in second-feet of SAN GABRIEL RIVER - EAST FORK above Forks for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	202	209	333	333	300	227	225	225	118	111	800	76
2	202	198	361	333	229	227	225	223	118	111	800	77
3	202	198	333	333	227	226	225	223	118	111	800	77
4	202	198	333	333	227	226	225	223	118	110	800	77
5	202	198	330	330	225	225	225	222	118	110	800	77
6	202	198	299	311	225	225	226	220	118	99	800	69
7	202	199	299	400	225	225	226	220	116	99	800	68
8	202	229	297	339	226	225	226	222	115	99	800	67
9	202	220	226	338	227	225	225	222	115	99	800	65
10	202	220	225	338	227	226	225	222	115	99	800	64
11	202	199	225	400	227	226	225	199	111	99	800	61
12	202	200	223	400	227	226	225	199	111	99	800	61
13	202	222	223	400	227	226	225	199	111	99	800	61
14	202	222	223	400	227	226	225	199	111	99	800	61
15	202	222	223	339	227	226	225	222	111	99	800	61
16	202	227	223	338	226	223	222	222	115	89	800	62
17	202	227	225	336	226	223	223	220	115	88	800	62
18	202	226	227	336	226	225	223	188	115	88	800	62
19	202	225	227	338	226	225	223	188	115	88	800	62
20	202	225	227	338	226	225	223	188	115	88	800	62
21	202	199	400	336	226	223	222	188	115	88	800	62
22	202	200	229	334	226	223	223	188	115	88	800	62
23	202	200	229	334	226	223	223	188	115	88	800	62
24	202	200	227	334	226	223	223	188	115	88	800	62
25	202	200	226	334	226	223	222	188	115	88	800	62
26	202	200	226	334	226	223	222	188	115	88	800	62
27	202	200	225	333	226	223	220	188	115	88	800	62
28	202	200	225	333	226	223	220	188	115	88	800	62
29	202	200	225	333	226	223	220	188	115	88	800	62
30	202	200	229	332	226	223	220	188	115	88	800	62
31	202	200	229	332	226	223	220	188	115	88	800	62
65	703	937	1094	735	799	746	611	429	277.4	207.1	181.1	

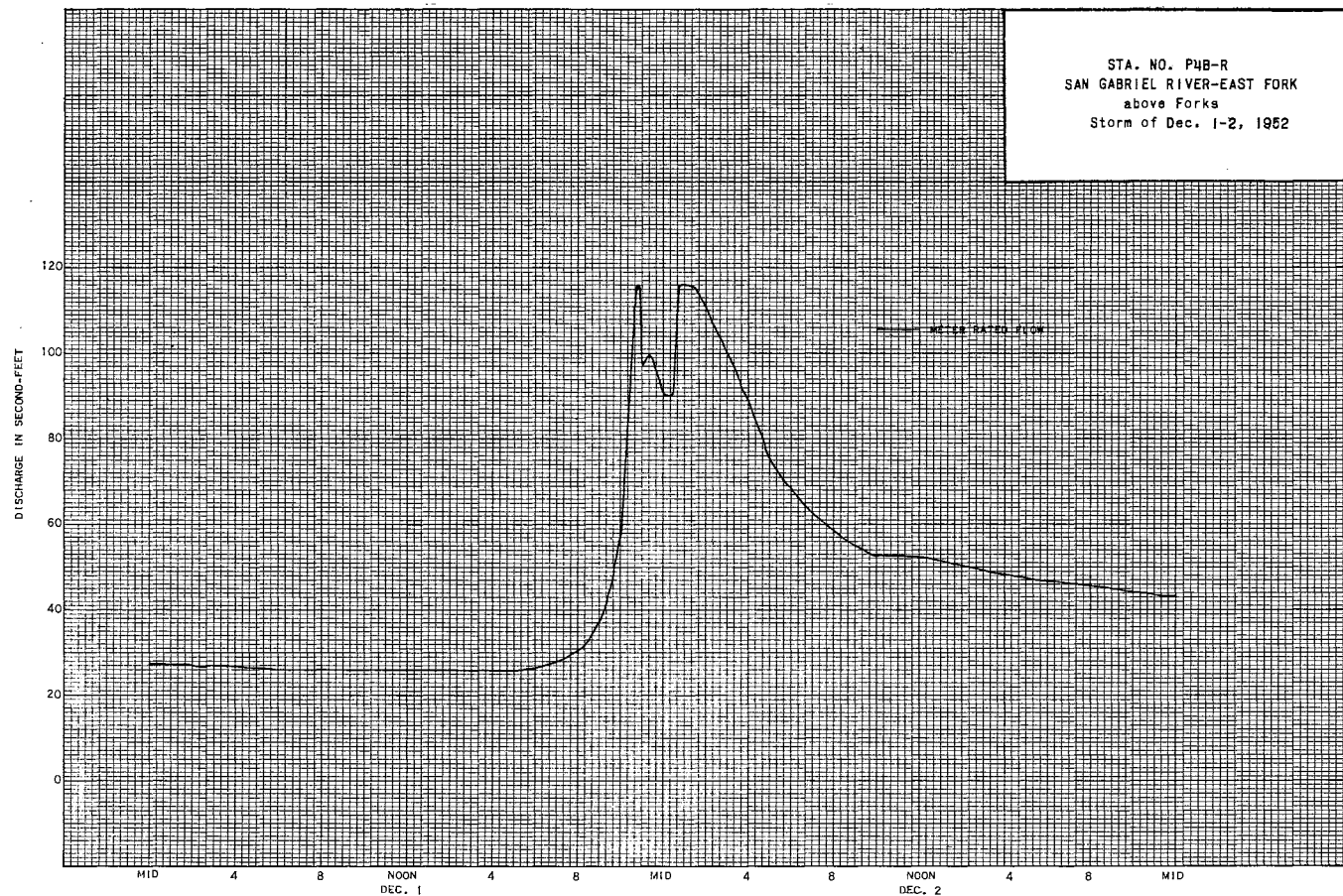
MEAN	21.4	23.4	30.2	35.3	26.2	25.8	24.9	19.7	14.3	8.94	6.68	6.04
ANNUAL	1320.	1390.	1860.	2170.	1460.	1580.	1480.	1210.	851.	550.	411.	359.

Remarks:

YEAR OR PERIOD MEAN ACRES-FEET 20.2 14640.



STA. NO. PHE-R
SAN GABRIEL RIVER - EAST FORK
above Forks
Storm of Jan. 15, 1952



STATION F250-R
SAN GABRIEL-AZUSA CONDUIT at Weir below San Gabriel Dam

LOCATION: WATER STAGE RECORDER, LAT. $34^{\circ}12'15''$, LONG. $117^{\circ}51'18''$, ON THE LEFT (EAST) SIDE OF THE SANDBOX ON AZUSA CONDUIT, 12 FEET ABOVE THE 25-FOOT WEIR AND APPROXIMATELY 100 FEET BELOW THE 30-FOOT OUTLET TUNNEL AT SAN GABRIEL DAM, APPROXIMATELY 2500 FEET BELOW THE OLD EDISON INTAKE (ABANDONED), AND APPROXIMATELY 3900 FEET ABOVE STATION 220-R.

CHANNEL AND CONTROL: CHANNEL - CONCRETE SANDBOX WITH SLUICE GATES AND A CONCRETE BY-PASS CHANNEL. A SECONDARY BOX WITH A TAINOR GATE AND A 10-FOOT WEIR CONTROLS THE FLOW INTO THE CONDUIT. CONTROL - A 25-FOOT, SHARP-CRESTED WEIR WITH TWO END CONTRACTIONS. STATION F250-R GIVES A RECORD OF THE FLOW DOWN THE AZUSA CONDUIT AND/OR FLOW SPILLED INTO MORRIS RESERVOIR.

RECORDER: INSTALLED FEBRUARY 14, 1935 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE: FLOW IS ENTIRELY REGULATED BY VALVE RELEASE. CAPACITY OF SANDBOX IS APPROXIMATELY 165 SECOND-FEET. CAPACITY OF 25-FT. WEIR IS ABOUT 142 SECOND-FEET. CAPACITY OF THE AZUSA CONDUIT IS APPROXIMATELY 95 SECOND-FEET.

ACCURACY: EXCELLENT.

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

REMARKS: STATION F250-R IS A RECORD OF DISCHARGES FROM SAN GABRIEL DAM THROUGH THE SANDBOX ONLY AND DOES NOT NECESSARILY REFLECT DISCHARGE TO THE AZUSA CONDUIT. (SEE STATION F220-R).

STATION F220-R
SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'30", LONG. 117°51'25", ON THE WEST SIDE OF OPENING IN CONCRETE CONDUIT CONNECTING TUNNELS 4-A AND 4-B OF THE AZUSA CONDUIT WHICH DIVERTS WATER FROM THE SAN GABRIEL RIVER. THE STATION IS ABOUT 0.8 MILE BELOW SAN GABRIEL DAM AND 2 MILES ABOVE MORRIS DAM. ELEVATION OF GAGE ABOUT 1200 FEET.

CHANNEL AND CONTROL: STATION LOCATED ON SHORT OPEN SECTION OF CONCRETE CHANNEL. THE FLOW OVER THE 25-FOOT WEIR (STATION F250-R) MAY BE SPILLED BEFORE REACHING STATION F220-R. FLOW WHICH REACHES STATION F220-R MAY BE BY-PASSED AROUND THE 25-FOOT WEIR AT STATION F250-R.

DISCHARGE MEASUREMENTS: FROM TOP OF TUNNEL PORTAL.

RECORDER: INSTALLED FEBRUARY 26, 1933 OVER A 21-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

RECORDS AVAILABLE: FEBRUARY 26, 1933 TO SEPTEMBER 30, 1953. (SEE RECORDER) (SEE REMARKS)

EXTREMES OF DISCHARGE: FLOW ENTIRELY REGULATED BY TAINTOR GATE SETTING AND VALVE DISCHARGE AT SAN GABRIEL DAM, APPROXIMATE CAPACITY 95 SECOND-FOOT.

ACCURACY: EXCELLENT.

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

REMARKS: THIS RECORD REFLECTS FLOW DIVERTED TO THE AZUSA CONDUIT FROM SAN GABRIEL DAM. PUBLISHED HEREWITH ARE RECORDS OF DIVERSION TO THE AZUSA CONDUIT FROM MORRIS DAM FOR 1950-51. THIS RECORD, TOGETHER WITH STATION 220-R, COMPLETE THE RECORDS OF ANNUAL DIVERSION THROUGH THE CONDUIT.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT
AT Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SECH. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	HT. CHG. REC.	HT. CHG. TOTAL	METER NO.
638	11-8	1349	MIDDLETON	4.6	2.75	1.42	0.61	3.9	.65	11	0	FC26
639	11-15	0957 1011	"	4.6	4.53	2.43	1.00	11.0	.65	11	0	"
640	11-16	1510 1522	"	4.6	3.86	2.12	0.86	8.2	.65	11	0	"
641	11-21	1016 1032	"	4.6	7.97	3.45	1.62	25.4	.65	11	0	"
642	11-26	1114 1130	"	4.6	1.58	0.48	0.36	0.76	.65	11	0	"
643	11-29	0907 0923	"	4.6	4.97	2.68	1.10	13.3	.65	11	0	"
644	12-6	0920 0943	"	4.6	14.1	4.14	3.08	58.3	.67	11	+01	"
645	12-11	1000 1015	"	4.6	6.89	3.38	1.52	23.3	.67	11	0	"
646	12-14	1054 1113	"	4.6	18.7	4.29	4.08	80.2	.67	11	0	"
647	12-18	1106	"	4.6	11.6	3.91	2.54	45.4	.67	11	0	"
648	12-28	1031 1053	"	4.6	8.66	3.51	1.90	30.4	.67	11	0	"
649	1-4	1047 1108	"	4.6	20.2	4.22	4.40	85.3	.67	11	0	"
650	1-10	1520 1543	"	4.6	19.6	4.28	4.28	84.0	.67	11	0	"
651	2-1	0955 1018	"	4.6	19.5	4.30	4.25	83.8	.67	11	0	"
652	2-8	0935	MIDDLETON-CANAVAN	4.6	19.8	4.34	4.33	85.9	.67	11	0	"
653	2-26	0934 0950	MIDDLETON	4.6	5.38	2.92	1.19	15.7	.65	11	0	"
654	3-14	0910 0934	"	4.6	21.1	4.18	4.60	88.1	.67	11	0	"
655	4-4	1000 1022	"	4.6	20.3	4.32	4.42	87.7	.67	11	0	"
656	4-11	0918	"	4.6	20.3	4.32	4.42	87.6	.67	11	0	FC18
657	4-18	0900 0927	"	4.6	20.3	4.32	4.44	87.7	.67	11	0	"
658	4-25	0937 0958	"	4.6	20.3	4.32	4.44	87.6	.67	11	0	"
659	5-2	0906 0929	"	4.6	20.6	4.28	4.50	88.1	.67	11	0	"
660	5-9	0921 0944	"	4.6	20.6	4.27	4.50	88.0	.65	11	0	"
661	5-23	0920 0942	"	4.6	20.6	4.23	4.53	88.0	.65	11	0	"
662	6-6	0916 0938	"	4.6	21.1	4.17	4.60	87.9	.67	11	0	"
663	6-27	0912 0934	"	4.6	21.3	4.19	4.64	89.2	.65	11	0	"
664	7-2	0910 0930	"	4.6	21.3	4.19	4.64	89.3	.65	11	0	"
665	7-18	0925	"	4.6	21.1	4.21	4.60	88.9	.65	11	0	"
666	7-25	0915 0938	"	4.6	21.1	4.21	4.60	88.8	.65	11	0	"
667	8-1	0935 1000	LANG	4.6	21.1	4.19	4.60	88.5	.65	11	0	FC12
668	8-8	0915 0938	MIDDLETON	4.6	21.3	4.17	4.64	88.8	.65	11	0	FC18
669	8-15	0910 0932	"	4.6	21.1	4.20	4.60	88.6	.65	11	0	"
670	8-22	0925 0948	STUNDEN-MIDDLETON	4.6	21.1	4.20	4.60	88.7	.65	11	0	"
671	8-29	1300 1321	MIDDLETON	4.6	21.2	4.17	4.62	89.3	.65	11	0	"
672	9-5	0904 0928	"	4.6	21.4	4.12	4.68	88.2	.63	11	0	"
673	9-23	0955 1020	STUNDEN	4.6	20.9	4.18	4.54	87.4	.63	11	0	FC36

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA CONDUIT
AT Garcia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SECH. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	HT. CHG. REC.	HT. CHG. TOTAL	METER NO.
674	10-10	0903 0925	MIDDLETON	4.6	20.9	4.21	4.55	87.9	.63	11	0	FC26
675	10-24	0920 0943	"	4.6	20.8	4.22	4.54	87.7	.63	11	0	"
676	10-31	0916 0938	"	4.6	20.8	4.23	4.53	87.9	.63	11	0	"
677	11-14	0900 0920	"	4.6	21.2	4.19	4.62	88.9	.63	11	0	"
678	12-23	1023	MIDDLETON-LAMBEAR	4.6	18.9	4.29	4.12	81.0	.63	11	0	"
679	1-5	0900 0920	MIDDLETON	4.6	18.3	4.37	4.00	80.0	.63	11	0	"
680	1-16	0925 0948	"	4.6	20.3	4.33	4.43	87.9	.63	11	0	"
681	1-23	1208 1228	"	4.6	19.8	4.38	4.32	86.8	.63	11	0	"
682	1-30	0925	"	4.6	20.4	4.32	4.46	88.2	.63	11	0	"
683	2-6	0900 0920	"	4.6	12.5	4.02	2.73	50.2	.67	11	+01	"
684	2-19	0905 0925	"	4.6	12.4	4.03	2.72	50.0	.67	11	0	"
685	2-27	0900 0921	"	4.6	11.3	3.92	2.47	44.3	.67	11	0	"
686	3-6	0926 1000	"	4.6	11.3	3.92	2.48	44.3	.67	11	0	"
687	3-13	0928	"	4.6	11.3	3.93	2.48	44.4	.65	11	0	"
688	3-17	0952 1014	"	4.6	8.54	3.55	1.87	30.3	.67	11	0	"
689	3-26	0903 0924	"	4.6	8.46	3.61	1.86	30.5	.67	11	0	"
690	4-2	0900 0920	"	4.6	8.38	3.59	1.84	30.1	.67	11	0	"
691	4-10	0948 0910	"	4.6	8.56	3.53	1.88	30.2	.67	11	0	"
692	4-16	0921 0926	"	4.6	8.46	3.58	1.86	30.3	.67	11	0	"
693	4-24	1004 1028	"	4.6	8.53	3.53	1.87	30.1	.67	11	0	"
694	5-1	0923 0945	"	4.6	8.52	3.56	1.87	30.3	.67	11	0	"
695	5-8	0925 0957	"	4.6	8.56	3.53	1.88	30.2	.67	11	0	"
696	5-15	0944 0926	"	4.6	8.46	3.56	1.86	30.1	.67	11	0	"
697	5-22	0923 0958	"	4.6	8.47	3.54	1.86	30.0	.67	11	0	"
698	5-29	0936 0958	"	4.6	8.43	3.57	1.85	30.1	.67	11	0	"
699	6-5	0904 0924	"	4.6	8.47	3.55	1.86	30.1	.67	11	0	"
700	6-12	0904 0926	"	4.6	8.46	3.57	1.86	30.2	.67	11	0	"
701	6-19	0925	"	4.6	8.42	3.59	1.85	30.2	.67	11	0	"
702	6-26	0950 0912	"	4.6	8.53	3.53	1.87	30.1	.67	11	0	"
703	7-3	0900 0920	"	4.6	8.53	3.53	1.87	30.1	.67	11	0	"
704	7-10	0942 0902	"	4.6	8.38	3.56	1.84	29.8	.67	11	0	"
705	7-17	0948 0910	"	4.6	8.42	3.55	1.85	29.9	.67	11	0	"
706	7-24	0928	"	4.6	8.41	3.55	1.85	29.9	.67	11	0	"
707	8-7	0925 1005	STUNDEN	4.6	8.62	3.52	1.89	30.3	.65	11	0	FC36
708	8-21	0905 0925	DE VORE-STUNDEN	4.6	8.51	3.49	1.87	29.7	.67	11	0	"
709	8-28	0920 0942	DE VORE	4.6	8.54	3.50	1.85	29.9	.67	11	0	FC26
710	9-4	0908	"	4.6	9.51	3.62	2.11	34.8	.67	11	0	"
711	9-11	1430 1500	GODFREY	4.6	9.55	3.58	2.06	34.2	.67	11	0	"
712	9-18	0924 0948	GODFREY-MIDDLETON	4.6	9.58	3.68	2.10	35.2	.67	11	0	"
713	9-25	1119	GODFREY	4.6	4.34	2.33	0.96	10.1	.65	11	0	"
714	9-30	1333 1347	DE VORE-MIDDLETON	4.6	1.24	0.28	0.28	0.35	.6	11	0	FC50

FORM F. C. Dist. 55 2-38

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, 1950

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	13.4	84	84	16.2	88	88	88	88	88	88
2	0	0	13.6	84	84	16.4	88	87	88	89	89	88
3	0	0	13.6	84	85	16.4	88	87	88	89	89	88
4	0	0	13.8	85	85	4.3	88	87	88	89	89	88
5	0	0	2.8	85	85	8.7	88	88	88	89	89	88
6	0	1.3	6.0	85	85	8.7	88	88	88	89	89	88
7	0	3.9	6.0	85	87	8.6	88	88	88	89	89	88
8	0	6.8	6.0	85	88	8.5	88	88	88	89	89	88
9	0	10.2	4.0	84	87	8.5	88	88	88	89	89	88
10	0	10.2	2.3	84	88	8.6	88	88	89	89	89	88
11	0	10.4	4.4	84	88	8.7	88	88	89	89	89	88
12	0	10.8	6.8	84	89	8.8	89	88	89	89	89	88
13	0	11.4	8.0	84	89	8.8	88	88	89	89	89	88
14	0	11.0	8.0	85	89	8.8	88	88	89	89	89	88
15	0	9.7	7.9	87	88	8.8	89	88	89	89	89	88
16	0	8.2	7.9	86	88	8.7	89	88	89	89	89	88
17	0	8.2	4.5	86	88	8.6	88	88	89	89	89	88
18	0	6.4	4.5	86	87	8.6	88	88	89	89	89	88
19	0	13.5	4.6	85	80	5.2	88	88	89	89	89	88
20	0	14.2	4.6	84	15.7	0.4	88	88	89	89	89	88
21	0	1.5	4.6	85	15.7	0.1	88	88	89	89	89	87
22	0	0.8	4.6	85	15.7	0.1	89	88	89	89	89	87
23	0	0.8	3.6	84	15.7	0.1	89	88	89	89	89	87
24	0	0.8	3.0	81	15.7	0.1	88	88	89	89	89	87
25	0	9.1	3.0	84	15.7	0.1	88	88	89	89	89	87
26	0	13.4	3.0	85	15.7	0.1	88	88	89	89	88	9.1
27	0	13.4	5.7	85	16.0	0.1	88	88	89	89	88	8.7
28	0	13.4	8.6	84	5.0	8.8	88	88	89	89	88	8.7
29	0	8.3	8.4	84	8.8	8.8	88	88	89	89	88	8.8
30	0											
31	0											
0	190.2	1448.4	2623.0	1850.6	1584.2	2641.0	2725.0	2661.0	2754.0	2759.0	2635.0	

MEAN	0	6.34	46.7	84.6	63.8	51.1	88.0	87.9	88.7	89.0	88.8	87.8
ACRE-FOOT	0	377.	2970.	5200.	3670.	3140.	5240.	5400.	5280.	5470.	5460.	5230.

Remarks:

YEAR OR PERIOD MEAN ACRES-FOOT 65.2 47340.

FORM F. C. Dist. 55 2-38

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	88	+	30	87	44	30	30	30	31	31	33
2	87	88	+	30	88	44	30	30	30	30	31	35
3	87	88	+	30	88	44	30	30	30	30	31	35
4	87	88	+	30	88	44	30	30	30	30	31	35
5	87	88	+	30	88	44	30	30	30	30	31	35
6	87	88	+	30	88	44	30	30	30	30	30	35
7	88	88	+	30	88	51	30	30	30	30	30	34
8	88	88	+	30	88	51	30	30	30	30	31	34
9	88	87	+	30	88	51	30	30	30	30	31	34
10	88	88	+	30	88	50	30	30	30	30	31	34
11	88	88	+	30	88	49	30	30	30	30	31	34
12	88	88	+	30	88	49	30	30	30	30	30	34
13	88	89	+	30	89	50	30	30	30	30	30	34
14	87	89	+	30	88	50	30	30	30	30	30	34
15	88	87	+	30	88	50	30	30	30	30	30	34
16	88	88	+	30	88	50	30	30	30	30	30	35
17	88	89	+	30	88	50	30	30	30	30	30	35
18	88	87	+	30	88	50	30	30	30	30	30	35
19	88	32	0.1	89	50	30	30	30	30	30	30	35
20	88	+	0.1	89	46	30	30	30	30	30	30	35
21	88	+	0.1	87	44	30	30	30	30	30	30	35
22	88	+	5.3	88	44	30	30	30	30	30	30	35
23	88	+	8.2	87	44	30	30	30	30	30	30	35
24	88	+	8.2	87	44	30	30	30	30	30	30	35
25	88	+	8.7	88	44	30	30	30	30	30	30	35
26	88	+	7.9	88	44	30	30	30	30	30	30	10.1
27	88	+	6.3	88	44	30	30	30	30	30	30	10.1
28	87	+	7.1	88	44	30	30	30	30	30	30	4.0
29	88	+	8.0	88	30	30	30	30	30	30	30	0.6
30	88	+	8.0	88	30	30	30	30	30	30	30	0.5
31	88		8.0	88	30	30	30	30	30	30	30	
0	2720	1616	760.3	2684	1551	1155	907	930	900	932	959	872.9

MEAN	87.7	53.9	24.5	86.6	55.4	37.3	30.2	30.0	30.0	30.1	30.3	29.1
ACRE-FOOT	5400.	3210.	1510.	5320.	3080.	2290.	1800.	1840.	1790.	1850.	1860.	1730.

Remarks:

YEAR OR PERIOD MEAN ACRES-FOOT 43.7 31680.

FORM C-12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. _____

Daily discharge, in second-feet of SAN GABRIEL AZUSA CONDUIT from Storage of Morris Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0	0	0	0	0	0	0	0	0	0
2	0.1	0.1	0	0	0	0	0	0	0	0	0	0
3	0.1	0.1	0	0	0	0	0	0	0	0	0	0
4	0.1	0.1	0	0	0	0	0	0	0	0	0	0
5	0.1	0.1	0	0	0	0	0	0	0	0	0	0
6	0.1	0.1	0	0	0	0	0	0	0	0	0	0
7	0.1	0.1	0	0	0	0	0	0	0	0	0	0
8	0.1	0.1	0	0	0	0	0	0	0	0	0	0
9	0.1	0.1	0	0	0	0	0	0	0	0	0	0
10	0.1	0.1	0	0	0	0	0	0	0	0	0	0
11	0.1	0.1	0	0	0	0	0	0	0	0	0	0
12	0.1	0.1	0	0	0	0	0	0	0	0	0	0
13	0.1	0.1	0	0	0	0	0	0	0	0	0	0
14	0.1	0.1	0	0	0	0	0	0	0	0	0	0
15	0.1	0.1	0	0	0	0	0	0	0	0	0	0
16	0.1	0.1	0	0	0	0	0	0	0	0	0	0
17	0.1	0.1	0	0	0	0	0	0	0	0	0	0
18	0.1	0.1	0	0	0	0	0	0	0	0	0	0
19	0.1	0.1	0	0	0	0	0	0	0	0	0	0
20	0.2	0	0	0	0	3.4	0	0	0	0	0	0
21	0.1	0	0	0	0	8.8	0	0	0	0	0	0
22	0.1	0	0	0	0	8.8	0	0	0	0	0	0
23	0.1	0	0	0	0	8.8	0	0	0	0	0	0
24	0.2	0	0	0	0	8.8	0	0	0	0	0	0
25	0.1	0	0	0	0	8.8	0	0	0	0	0	0
26	0.2	0	0	0	0	8.8	0	0	0	0	0	0
27	0.1	0	0	0	0	8.8	0	0	0	0	0	0
28	0.1	0	0	0	0	8.8	0	0	0	0	0	0
29	0.1	0	0	0	0	8.8	0	0	0	0	0	0
30	0.1	0	0	0	0	8.8	0	0	0	0	0	0
31	0.2	0	0	0	0	8.8	0	0	0	0	0	0
	4.0		0	0	0	0	0	0	0	0	0	0

	1.0					862						
MEAN	.129	.033	0	0	0	27.8	0	0	0	0	0	0
ACRE- FEET	7.9	2.0	0	0	0	1710.	0	0	0	0	0	0
Remarks:								YEAR OR PERIOD	MEAN		2.38	
								ACRE-FEET			1720.	

STATION U8-R
SAN GABRIEL RIVER below Morris Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'10", LONG. 117°53'16", IN SW 1/4 SEC. 13, T.1N., R.10W., 1 MILE DOWNSTREAM FROM MORRIS DAM AND 3 MILES NORTHEAST OF AZUSA. ALTITUDE OF GAGE 867.59 FEET.

DRAINAGE AREA: 211 SQUARE MILES.

RECORDS AVAILABLE: 1894 TO SEPTEMBER 1953.

AVERAGE DISCHARGE:
58 YEARS, 157 SECOND- FEET, AVERAGE COMBINED DISCHARGE OF RIVER AND DIVERSIONS - ADJUSTED FOR STORAGE AND EVAPORATION IN MORRIS, SAN GABRIEL AND COGSWELL RESERVOIRS.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM DISCHARGE DURING YEAR 3530 SECOND- FEET JANUARY 18.
MINIMUM DAILY, NO FLOW MOST OF YEAR.
1952-53
MAXIMUM DISCHARGE 1190 SECOND- FEET OCTOBER 28, 29.
MINIMUM NO FLOW MOST OF YEAR.
1894-1953
MAXIMUM DISCHARGE 65700 SECOND- FEET MARCH 2, 1938. BY COMPUTATION OF FLOW OVER SPILLWAY AT MORRIS DAM.
MINIMUM NO FLOW FOR SEVERAL MONTHS IN MOST YEARS.

REMARKS: RECORDS GOOD. FLOW REGULATED BY FLOOD CONTROL DISTRICT'S SAN GABRIEL AND COGSWELL RESERVOIRS, AND BY MORRIS RESERVOIR OF METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, AZUSA CANAL (FORMERLY POWER CANAL OF SOUTHERN CALIFORNIA EDISON COMPANY) DIVERTS ABOVE HIGH-WATER LINE OF MORRIS RESERVOIR AT A POINT ABOUT 3 MILES ABOVE STATION. THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DISCHARGED 629 ACRE- FEET OF COLORADO RIVER WATER INTO SAN GABRIEL RIVER BELOW MORRIS DAM AND ABOVE STATION DURING PERIOD OCTOBER TO DECEMBER 1951, AND 433 ACRE- FEET DURING APRIL, JULY AND SEPTEMBER 1953.

COOPERATION: RECORDS FURNISHED BY THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH, FORTH-THREE 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	1951-52 A.F.	1952-53 A.F.
OCTOBER	386	3040
NOVEMBER	797	5270
DECEMBER	6170	5440
JANUARY	40130	5330
FEBRUARY	12010	2940
MARCH	39100	3070
APRIL	31550	2680
MAY	18710	2190
JUNE	9400	1540
JULY	5860	920
AUGUST	3980	643
SEPTEMBER	2800	579
TOTALS	170090 A.F.	33642 A.F.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 62

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INQ.	MTH. DD	MEAN. REG. NO.	S. MT. CHANGE TOTAL	METER NO.
2082	10-4	1405 1425	MOON	13.0	13.6	1.71	5.41	23.2	.6	14	0	FC22	
2083	10-11		USGS	25.0	27.4	0.67	5.38	18.2	.6	24	0		
2084	10-18	1535 1550	MOON	12.0	11.9	1.34	5.35	16.0	.6	13	0	FC22	
2085	10-26		USGS	22.0	24.4	0.68	5.34	16.6	.6	17	0		
2086	11-8		"	16.0	14.8	0.62	5.20	9.21	.6	16	0		
2087	1-16		"	110.	294.	4.56	8.02	1340.	.6	21			
2088	1-16	2120 2210	STUNDEN-PAYNE	110.	379.	5.80	8.25	2200.	.6	13	0	FC36	
2089	1-17	0815 1015	STUNDEN	110.	282.	5.67	8.22	1600.	.6	20	0	"	
2090	1-17		USGS	111.	293.	5.29	8.22	1550.	.6	18	0		
2091	1-18		"	150.	580.	7.21	10.04	4180.	.6	29	-.04		
2092	1-19	1745	STUNDEN	100.	277.	4.73	7.73	1310.	.6	18	-.02	FC36	
2093	1-22	1822 1840	MOON-MURPHY	CHANNELS			6.32	308.	.6	11	+.02	FC22	
2094	1-25	1517 1540	"	83.0	154.	3.72	6.67	584.	.6	12	+.01	"	
2095	1-29	1430 1450	STUNDEN	95.0	180.	3.28	6.92	591.	.6	18	0	FC36	
2096	1-30		USGS	100.	195.	2.71	6.91	592.	.6	29	0		
2097	2-4	1250 1320	MOON	94.0	182.	3.35	6.95	610.	.6	11	0	FC22	
2098	2-6		USGS	100.	210.	2.62	6.93	550.	.6	34	0		
2099	3-4	1847 2030	MOON	81.0	163.	4.09	7.08	667.	.6	11	+.15	FC22	
2100	3-5	1310 1340	MOON-HYDE	97.0	231.	5.15	7.69	1190.	.6	15		"	
2101	3-11	0911 0933	"	83.0	156.	4.17	6.96	650.	.6	11	0	"	
2102	3-14		USGS	64.0	134.	1.54	6.14	206.	.6	20	-.01		
2103	3-16		"	105.	243.	4.37	7.69	1060.	.6	22	+.02		
2104	3-17	1127 1158	MOON	94.0	237.	5.23	7.78	1240.	.6	15		FC22	
2105	3-20	0930 0912	"	83.0	134.	3.16	6.68	424.	.6	14		"	
2106	3-26		USGS	93.0	152.	3.03	6.69	460.	.6	23	0		
2107	3-26		"	96.0	158.	3.05	6.70	482.	.6	21	0		
2108	3-27	1300 1325	MOON	89.0	162.	3.14	6.77	508.	.6	16	+.02	FC22	
2109	3-31	1018 1038	"	89.0	148.	3.32	6.75	492.	.6	15		"	
2110	4-4		USGS	86.0	122.	2.66	6.54	325.	.6	22	0		
2111	4-11	1510 1520	MOON	10.5	13.0	1.68	5.29	21.9	.6	7	0	FC22	
2112	4-12		USGS	13.4	7.90	0.35	4.68	2.73	.6	18	0		

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
below Morris Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 63

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INQ.	MTH. DD	MEAN. REG. NO.	S. MT. CHANGE TOTAL	METER NO.
2113	10-8		USGS	68.	138.	2.08	6.28	290.	.6	41			
2114	10-8	1538 1558	MOON-WHISLER	77.5	110.	2.46	6.30	271.	.6	17	+.02	FC29	
2115	10-9	1320 1343	"	79.0	115.	2.23	6.38	256.	.6	15	0	"	
2116	10-10	1120 1150	"	78.	107.	2.53	6.37	270.	.6	22	0	"	
2117	10-13		USGS	99.	202.	3.05	7.00	617.	.6				
2118	10-13		"	100.	213	2.88	7.00	612.	.6	27	0		
2119	10-13	1235 1348	MOON-WHISLER	92.0	172.	3.32	7.00	571.	.6	25	0	FC29	
2120	10-14	1020 1050	"	82.0	104.	2.42	6.27	251.	.6	24	0	"	
2121	10-15	0900 0955	"	94.0	184.	3.11	7.00	571.	.6	21	-.01	"	
2122	10-16	0845 0855	"	99.0	222.	3.52	7.50	782.	.6	22	0	"	
2123	10-16	1025 1107	"	99.0	234.	3.76	7.50	880.	.6	22	0	"	
2124	10-16		USGS	101.	241.	3.72	7.49	896.	.6	31	0		
2125	10-16		"	101.	264.	4.13	7.49	1090.	.6	35	0		
2126	10-23	1005 1055	MOON-WHISLER	94.0	175.	3.2	6.77	564.	.6	24	+.01	FC29	
2127	10-23	1430 1455	"	84.0	115.	2.54	6.33	292.	.6	21	0	"	
2128	10-26	0830 0855	"	94.	169.	3.17	6.77	536.	.6	21		"	
2129	10-28	1037 1131	MOON-THOMAS	97.0	264.	4.54	7.88	1200.	.6	24	0	"	
2130	10-29		USGS	98.0	258.	4.54	7.81	1170.	.6	20	0	"	
2131	10-29		"	96.0	252.	4.31	7.81	1080.	.6	20	0	"	
2132	10-29		"	103.	249.	4.54	7.80	1130.	.6	37	+.04		
2133	10-30	0920 1025	MOON-HYDE	95.0	257.	4.63	7.77	1190.	.6	23	0	FC29	
2134	10-30		USGS	103.	264.	4.59	7.76	1210.	.6	32	0		
2135	10-31	0930 0956	MOON-HYDE	89.0	148.	3.13	6.64	464.	.6	20	0	FC29	
2136	11-1	0922 1018	MOON	92.0	189.	3.43	7.01	648.	.6	21	+.01	"	
2137	11-2	1544 1653	"	96.0	252.	4.65	7.74	1180.	.6	21	0	"	
2138	11-5	0922 0954	"	98.0	198.	3.50	7.16	694.	.6	21	0	"	
2139	11-7	0835 0833	WHISLER	100.	210.	3.31	7.03	696.	.6	21	0	FC5	
2140	11-10	0928 1015	"	99.0	186.	3.53	7.02	656.	.6	19	0	"	
2141	11-12	1040 1120	MOON	93.0	199.	3.62	7.15	720.	.6	20	0	FC29	
2142	11-13		USGS	95.0	220.	3.49	7.15	766.	.6	26	0		
2143	11-13		"	96.0	191.	3.40	7.15	647.	.6	26	0		
2144	11-18	0930 1005	MOON-WHISLER	97.0	231.	3.97	7.41	917.	.6	22	0	FC29	
2145	11-19		USGS	95.0	227.	4.00	7.39	907.	.6	35	0		
2146	11-20	1420 1455	MOON	79.0	127.	2.90	6.54	388.	.6	18	0	FC29	
2147	11-25	1110 1130	"	CHANNELS			5.59	62.9	.6	18	0	"	
2148	11-26		USGS	46.5	59.6	1.22	5.58	72.6	.6	26	0		
2149	12-3	1325 1355	MOON	CHANNELS			5.58	62.0	.6	21	0	FC29	
2150	12-10		USGS	12.9	13.9	0.99	5.12	12.9	.6	21	0	"	
2151	12-11	1440 1455	MOON	13.5	13.9	0.99	5.12	13.8	.6	13	0	FC29	
2152	12-18	1410 1435	"	CHANNELS			5.95	59.9	.6	19	0	"	
2153	12-19		USGS	47.0	46.6	1.22	5.55	56.8	.6	27	-.02		
2154	9-23		"	13.0	16.6	0.92	5.18	15.3	.6	14	+.005		

FORM 7, C. Dist. 22 2-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UB-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	14	0	1.4	549	0	466	0	0	0	0	0
2	21	10	0	0.8	544	0	439	0	0	0	0	0
3	22	9.7	0	0.2	549	0	370	0	0	0	0	0
4	22	9.7	0	0.1	584	223	370	0	0	0	0	0
5	22	9.7	0	0.1	584	445	350	0	0	0	0	0
6	22	9.7	0	0.2	289	2.4	350	0	0	0	0	0
7	22	9.2	0	0.5	1.7	7.0	350	0	0	0	0	0
8	22	9.2	0	0.5	0	7.9	350	0	0	0	0	0
9	19	5.5	0	0.5	0	8.7	100	0	0	0	0	0
10	20	1.4	0	0.3	0	10	25	0	0	0	0	0
11	20	0	0	0	0	83	19	0	0	0	0	0
12	19	0	0	0.3	0	11	3.2	0	0	0	0	0
13	18	0	0	2.0	0	834	1.5	0	0	0	0	0
14	18	0	0	1.2	0	218	0.4	0	0	0	0	0
15	18	0	0	1.6	0	372	0	0	0	0	0	0
16	18	0	0	1210	0	1110	0	0	0	0	0	0
17	18	0	0	1940	0	1130	0	0	0	0	0	0
18	18	0	0	3530	0	1030	0	0	0	0	0	0
19	18	0	0	1870	0	586	0	0	0	0	0	0
20	18	0	0	1130	0	445	0	0	0	0	0	0
21	18	0	0	843	0	456	0	0	0	0	0	0
22	18	0	0	275	0	450	0	0	0	0	0	0
23	17	0	0	375	0	456	0	0	0	0	0	0
24	17	0	0	385	0	456	0	0	0	0	0	0
25	18	0	0	392	0	450	0	0	0	0	0	0
26	18	0	0	341	0	445	0	0	0	0	0	0
27	18	0	0	325	0	509	0	0	0	0	0	0
28	18	0	0	205	0	560	0	0	0	0	0	0
29	17	0	0	566	0	478	0	0	0	0	0	0
30	17	0	0	554	0	478	0	0	0	0	0	0
31	18	0	0	549	0	478	0	0	0	0	0	0
	590		1.2		3100.7		3194.1	0	0	0	0	0

88.1 14570.8 11789.0

MEAN	19.0	2.94	0.04	470.	107.	380.	106.	0	0	0	0	0
ACRE- FEET	1170.	175.	2.4	28900.	6150.	23380.	6340.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 91.1
ACRE-FEET 66120.

FORM 7, C. Dist. 22 2-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UB-R

Daily discharge, in second-feet of SAN GABRIEL RIVER below Morris Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	552	68	0	0	0	0	0	0	0	0	0
2	0	915	66	0	0	0	0	0	0	0	0	0
3	0	974	64	0	0	0	0	0	0	0	0	0
4	0	656	64	0	0	0	0	0	0	0	2.6	0
5	0	645	64	0	0	0	0	0	0	0	0	0
6	0	532	64	0	0	0	0	0	0	0	0	0
7	0	684	64	0	0	0	0	0	0	0	0	0
8	115	806	63	0	0	0	0	0	0	0	0	0
9	293	806	39	0	0	0	0	0	0	0	0	0
10	215	694	13	0	0	0	0	0	0	0	0	0
11	3.3	701	13	0	0	0	0	0	0	0	16	0
12	0.8	701	13	0	0	0	0	0	0	0	0.3	0
13	34.8	708	13	0	0	0	0	0	0	0	0	0
14	217	835	13	0	0	0	0	0	0	0	0	0
15	608	897	35	0	0	0	0	0	0	0	0	0
16	848	897	212	0	0	0	0	0	0	0	0	0
17	585	897	40	0	0	0	0	0	0	0	0	0
18	0	890	55	0	0	0	0	0	0	0	0	0
19	0.7	785	30	0	0	0	0	0	0	0	0	0
20	0.6	531	18	0	0	0	0	0	0	0	0	0
21	0	254	16	0	0	0	0	0	0	0	0	0
22	0	63	10	0	0	0	0	0	0	0	0	1.3
23	0	63	1.2	0	0	0	0	0	0	0	0	15
24	130	63	0	0	0	0	0	0	0	0	0	18
25	2.5	63	0	0	0	0	0	0	0	0	0	18
26	6.9	63	0	0	0	0	0	0	0	0	0	18
27	562	63	0	0	0	0	0	0	0	0	0	18
28	264	63	0	0	0	0	0	0	0	0	0	18
29	1190	64	0	0	0	0	0	0	0	0	0	18
30	1190	64	0	0	0	0	0	0	0	0	0	17
31	1100	64	0	0	0	0	0	0	0	0	0	17
	415											17
	8159.7		1038.2	0	0	0	0	0	0	0	0	140.3

15978

189

MEAN	263.	533.	33.5	0	0	0	0	0	0	0	0.61	4.68
ACRE- FEET	16180	31690	2060	0	0	0	0	0	0	0	37	278

Remarks:

YEAR OR PERIOD MEAN 69.4
ACRE-FEET 50240

STATION S100A-R
SAN GABRIEL-AZUSA DUARTE TUNNEL DIVERSION
at Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'33", LONG. 117°54'27", AT WEIR BOX AT THE DOWNSTREAM PORTAL OF THE AZUSA-DUARTE TUNNEL ABOUT 250 FEET SOUTH OF THE CANYON ROAD AT THE MOUTH OF SAN GABRIEL CANYON. ELEVATION OF GAGE ABOUT 750 FEET.

GENERAL: THIS STATION MEASURES ALL FLOW DIVERTED BY THE SAN GABRIEL WATER COMMITTEE AT THE MOUTH OF SAN GABRIEL CANYON.

CHANNEL AND CONTROL: CONCRETE WEIR BOX WITH BROAD-CRESTED WEIRS. THESE WEIRS DIVIDE THE FLOW BETWEEN THE EAST SIDE SPREADING GROUNDS AND THE DUARTE SPREADING GROUNDS. EITHER SIDE CAN BE DIVERTED FOR IRRIGATION.

REGULATION: RIVER FLOW AT THE CANYON MOUTH IS PARTIALLY REGULATED BY MORRIS DAM, SAN GABRIEL DAM AND COGSWELL DAM. THE DIVISION OF THE DIVERTED FLOW CAN BE REGULATED AT THE WEIRS BY INSERTING CONSTRUCTIONS.

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.

ACCURACY: EXCELLENT.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE SAN GABRIEL RIVER WATER COMMITTEE.

REMARKS: THESE RECORDS WERE FURNISHED BY MR. MAURICE D. JONES, WATER MASTER OF THE SAN GABRIEL RIVER WATER COMMITTEE. PUBLISHED HEREWITH ARE THE RECORDS FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953. RECORDS PRIOR TO OCTOBER 1939 WERE PUBLISHED WITH THE RECORDS OF STATION F100-R WHICH WAS ABANDONED NOVEMBER 1940.

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA - DUARTE TUNNEL DIVERSION
AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSHM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAY- ING	METH- OD	MEAS. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
165	10-3	1425 1445	MOON	TWO	CHANNELS		0.64	19.4			.6 16	0	FC22
166	10-18	1130 1150	"	"	"		0.51	12.8			.6 16	0	"
167	10-31	1500 1520	"	"	"		0.51	13.4			.6 15	0	"
168	11-5	1250 1300	"	6.0	11.4	0.64	0.31	7.3			.6 7	0	"
169	11-7	1370	MOON - JONES	TWO	CHANNELS		0.30	5.8			.6 16	0	"
170	4-10	1520 1550	"	10.5	11.5	2.18	0.80	25.1			.6 8	0	"
171	4-11	1355 1410	"	10.5	11.4	2.22	0.80	25.3			.6 12	0	"

DISCHARGE MEASUREMENTS OF OLD DUARTE DITCH
AT below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSHM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAY- ING	METH- OD	MEAS. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
55	10-4	1504 1514	MOON	6.0	2.77	1.73	0.64	4.8			.6 7	0	FC22

DISCHARGE MEASUREMENTS OF SAN GABRIEL - AZUSA - DUARTE TUNNEL DIVERSION
AT Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BSHM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAY- ING	METH- OD	MEAS. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
172	11-25	1312 1330	MOON	10.0	14.8	3.68	1.29	54.5			.6 11		FC29
173	12-12	1525 1550	"	CHANNELS				11.3			.6 13		"
174	9-28	1348 1400	"	5.8	12.1	1.15	0.51	13.9			.2 .8 7		"

DISCHARGE MEASUREMENTS OF MAIN SPREADING CANAL
AT Mouth of San Gabriel Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BSHM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAY- ING	METH- OD	MEAS. REG. NO.	S. HT. CHANGE TOTAL	METER NO.
1	3-13	1540 1558	MOON	10.7	9.56	1.19	1.40	11.4			.6 13	0	FC29

FD-74M P. C. DIA. 28 4-54

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19.7	11.0	0	0	0	0	0	0	0	0	0	0
2	19.7	6.5	0	0	0	0	0	0	0	0	0	0
3	19.5	6.1	0	0	0	0	0	0	0	0	0	0
4	19.5	6.1	0	0	0	0	0	0	0	0	0	0
5	19.5	6.1	0	0	0	0	0	0	0	0	0	0
6	19.5	6.1	0	0	0	0	0	0	0	0	0	0
7	19.5	5.9	0	0	0	0	0	0	0	0	0	0
8	19.5	5.9	0	0	0	0	0	0	0	0	0	0
9	17.7	5.3	0	0	0	0	5.1	0	0	0	0	0
10	15.2	2.5	0	0	0	0	11.1	0	0	0	0	0
11	15.2	1.4	0	0	0	0	18.2	0	0	0	0	0
12	14.6	0.6	0	0	0	0	0	0	0	0	0	0
13	14.2	0.4	0	0	0	0	0	0	0	0	0	0
14	13.4	0	0	0	0	0	0	0	0	0	0	0
15	13.4	0	0	0	0	0	0	0	0	0	0	0
16	13.4	0	0	0	0	0	0	0	0	0	0	0
17	13.4	0	0	0	0	0	0	0	0	0	0	0
18	13.4	0	0	0	0	0	0	0	0	0	0	0
19	13.4	0	0	0	0	0	0	0	0	0	0	0
20	13.4	0	0	0	0	0	0	0	0	0	0	0
21	13.4	0	0	0	0	0	0	0	0	0	0	0
22	13.4	0	0	0	0	0	0	0	0	0	0	0
23	13.4	0	0	0	0	0	0	0	0	0	0	0
24	13.4	0	0	0	0	0	0	0	0	0	0	0
25	13.4	0	0	0	0	0	0	0	0	0	0	0
26	13.4	0	0	0	0	0	0	0	0	0	0	0
27	13.4	0	0	0	0	0	0	0	0	0	0	0
28	13.4	0	0	0	0	0	0	0	0	0	0	0
29	13.4	0	0	0	0	0	0	0	0	0	0	0
30	13.4	0	0	0	0	0	0	0	0	0	0	0
31	13.4	0	0	0	0	0	0	0	0	0	0	0
	477.3											

63.9 34.4

MEAN	15.4	2.13	0	0	0	0	1.15	0	0	0	0	0
ACRE- FEET	947.	127.	0	0	0	0	68.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRES-FEET 1.57 1140.

FD-74M P. C. DIA. 28 4-54

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	53.7	0	0	0	0	0	0	0	0	0
2	0	0	52.9	0	0	0	0	0	0	0	0	0
3	0	0	52.2	0	0	0	0	0	0	0	0	0
4	0	0	52.2	0	0	0	0	0	0	0	0	0
5	0	0	52.2	0	0	0	0	0	0	0	0	0
6	0	0	52.2	0	0	0	0	0	0	0	0	0
7	0	0	52.2	0	0	0	0	0	0	0	0	0
8	0	0	52.2	0	0	0	0	0	0	0	0	0
9	0	0	38.7	0	0	0	0	0	0	0	0	0
10	0	0	12.1	0	0	0	0	0	0	0	0	0
11	0	0	11.6	0	0	0	0	0	0	0	0	0
12	0	0	11.3	0	0	0	0	0	0	0	0	0
13	0	0	10.6	0	0	0	0	0	0	0	0	0
14	0	0	10.3	0	0	0	0	0	0	0	0	0
15	0	0	9.9	0	0	0	0	0	0	0	0	0
16	0	0	17.4	0	0	0	0	0	0	0	0	0
17	0	0	31.0	0	0	0	0	0	0	0	0	0
18	0	0	52.2	0	0	0	0	0	0	0	0	0
19	0	0	38.6	0	0	0	0	0	0	0	0	0
20	0	0	15.7	0	0	0	0	0	0	0	0	0
21	0	19.4	14.4	0	0	0	0	0	0	0	0	0
22	0	56.8	11.6	0	0	0	0	0	0	0	0	0
23	0	55.2	2.0	0	0	0	0	0	0	0	0	0
24	0	55.2	0	0	0	0	0	0	0	0	0	0
25	0	54.5	0	0	0	0	0	0	0	0	0	0
26	0	54.5	0	0	0	0	0	0	0	0	0	7.2
27	0	54.5	0	0	0	0	0	0	0	0	0	7.6
28	0	54.5	0	0	0	0	0	0	0	0	0	9.6
29	0	54.1	0	0	0	0	0	0	0	0	0	13.9
30	0	53.7	0	0	0	0	0	0	0	0	0	15.5
31	0	0	0	0	0	0	0	0	0	0	0	0
		705.2										

512.4 0 49.8

MEAN	0	17.1	22.8	0	0	0	0	0	0	0	0	1.67
ACRE- FEET	0	1020.	1400.	0	0	0	0	0	0	0	0	99.

Remarks:

YEAR OR PERIOD MEAN ACRES-FEET 3.47 2520.

STATION FIG-0
SAN GABRIEL RIVER at Foothill Boulevard

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'13", LONG. 117°56'32", ON THE DOWN-STREAM SIDE OF FOOTHILL BOULEVARD BRIDGE 2 MILES WEST OF AZUSA, ELEVATION OF ZERO GAGE HEIGHT, 565.50 FEET.

DRAINAGE AREA: 250 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - TRAPEZOIDAL WITH GUNITED ROCK LEVEES AND NATURAL SAND, GRAVEL AND ROCK BOTTOM. BOTTOM WIDTH 590 FEET. DEPTH 12 FEET. CONTROL - GUNITED ROCK STABILIZERS.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR 900± FEET BELOW THE STATION.

RECORDER: INSTALLED APRIL 25, 1932, REMOVED APRIL 20, 1938 AND INSTALLED IN A 30-INCH DIAMETER CORRUGATED IRON PIPE SERVING BOTH AS A HOUSE AND AS A WELL. AN AUTOMATIC CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953. AN AUXILIARY STILLING WELL IS MAINTAINED ON THE WEST SIDE OF THE CHANNEL.

REGULATION: FLOW PARTIALLY REGULATED BY COGSBELL 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, 1953. (FOR RECORDS PRIOR TO FEBRUARY 22, 1932, SEE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 4670 SECOND-Feet JANUARY 18.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 1080 SECOND-Feet OCTOBER 28.
MINIMUM NO FLOW FEBRUARY 15 TO SEPTEMBER 30.
1932-53
MAXIMUM 62,000 SECOND-Feet ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT TIMES EACH YEAR.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. NO.	MEAN DISCHARGE REG. FT.	S. INT. TOTAL	METER NO.
533	12-30	0895	MOON-MURPHY	TWO CHANNELS		1.86	152		.6	26	0	FC22	
534	1-13	0850	STUNDEN-TREAT	THREE CHANNELS		1.76	84.1		.6	18	-02	FC36	
535	1-13	1406	MOON-MURPHY	FOUR CHANNELS		1.67	60.7		.6	29	0	FC22	
536	1-16	1342	"	TWO CHANNELS			1950		.6	22	0	"	
537	1-18	0895	"	510	688	6.53	3.54	4490	.6	16	+0.2	"	
538	1-21	1335	"	CHANNELS		2.64	864		.6	44	-05	"	
539	1-26	1320	MOON-TREAT	"		2.25	420		.6	28	0	"	
540	1-29	1040	MOON-STUNDEN	"		2.48	587		.6	32	0	"	
541	2-6	1225	MOON	"		2.50	570		.6	24	0	"	
542	3-5	0713	MOON-HYDE	"		2.60	731		.6	38	0	"	
543	3-7	1603	MOON-MURPHY	"		1.89	123		.6	23	0	"	
544	3-14	1345	MOON	"		1.96	238		.6	30	0	"	
545	3-15	1418	MOON-MURPHY	"		2.27	597		.6	35	+38	"	
546	3-17	1580	MOON	"		2.90	1480		.6	46	0	"	
547	3-20	1245	"	"		2.46	546		.6	30	0	"	
548	3-31	1320	"	"		2.43	472		.6	34	0	"	
549	4-10	1310	"	"		1.70	46.2		.6	19	0	"	
550	4-24	1332	"	11.0	4.75	1.01	1.42	5.8	.6	7	0	"	
551	5-1	1614	"	18.0	3.00	1.03	1.38	3.1	.6	6	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Foothill Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT.-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. IND.	METH. NO.	MEAN DISCHARGE REG. FT.	S. INT. TOTAL	METER NO.
552	10-9	1433 1530	MOON-WHISLER	CHANNELS			2.02	141.	.6	29	0	FC29	
553	10-10	1342 1430	"	"			2.04	174.	.6	35	0	"	
554	10-13	1415 1525	"	"			2.34	456.	.6	37	0	"	
555	10-14	1400 1490	"	"			2.02	178.	.6	31	0	"	
556	10-15	1315 1415	"	"			2.38	486.	.6	49	0	"	
557	10-16	1335 1442	"	"			2.61	741.	.6	47	0	"	
558	10-23	1215 1300	"	"			2.19	288.	.6	44	+08	"	
559	10-26	1115 1200	MOON-THOMAS	"			2.27	364.	.6	45	0	"	
560	10-28	1335 1540	"	"			2.78	1080.	.6	63	0	"	
561	10-30	1330 1500	MOON-HYDE	"			2.75	994.	.6	52	0	"	
562	10-31	1240 1340	"	"			2.26	346.	.6	45	0	"	
563	11-1	1144 1240	MOON	"			2.44	524.	.6	45	0	"	
564	11-5	1345 1530	"	"			2.49	570.	.6	45	0	"	
565	11-7	1215 1350	WHISLER	"			2.48	525.	.6	51	0	FC5	
566	11-10	1225 1415	"	"			2.48	530.	.6	54	0	FC5	
567	11-12	1335 1435	MOON	"			2.54	643.	.6	49	0	FC29	
568	11-18	1335 1415	MOON-WHISLER	"			2.67	824.	.6	56	0	"	
569	11-20	1240 1325	MOON	"			2.41	534.	.6	42	-04	"	
570	12-16	0650 0650	"	"			2.40	478.	.6	43	0	"	
571	1-14	1820 1820	"	7.5	3.88	1.13	1.40	4.4	.6	9	0	"	
572	1-29	0820 0910	"	8.5	4.82	0.87	1.39	4.2	.5	8	0	"	

FORM C-12-55

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FIGO-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	558	0	491	3.1	0	0	0	0
2	0	0	0	0	561	0	462	2.7	0	0	0	0
3	0	0	0	0	563	0	392	2.4	0	0	0	0
4	0	0	0	0	599	e 170	391	2.0	0	0	0	0
5	0	0	0	0	598	e 355	371	1.6	0	0	0	0
6	0	0	0	0	500	0	371	1.3	0	0	0	0
7	0	0	0	0	v 0.3	57	377	0.9	0	0	0	0
8	0	0	0	0	v 0.2	23	377	0.5	0	0	0	0
9	0	0	0	0	v 0.1	e 18	121	0.2	0	0	0	0
10	0	0	0	0	0	27	v 48	0	0	0	0	0
11	0	0	0	0	0	113	36	0	0	0	0	0
12	0	0	0	18	0	25	16	0	0	0	0	0
13	0	0	0	70	0	e 742	12	0	0	0	0	0
14	0	0	0	24	0	240	12	0	0	0	0	0
15	0	0	0	28	0	498	11	0	0	0	0	0
16	0	0	0	e 1750	0	1260	10	0	0	0	0	0
17	0	0	0	2060	0	1270	10	0	0	0	0	0
18	0	0	0	3860	0	1100	9.5	0	0	0	0	0
19	0	0	0	2010	0	644	15.5	0	0	0	0	0
20	0	0	0	1220	0	519	8.5	0	0	0	0	0
21	0	0	0	904	0	519	8.0	0	0	0	0	0
22	0	0	0	318	0	504	7.5	0	0	0	0	0
23	0	0	0	412	0	503	7.0	0	0	0	0	0
24	0	0	0	420	0	499	6.2	0	0	0	0	0
25	0	0	0	432	0	490	5.8	0	0	0	0	0
26	0	0	0	430	0	482	5.4	0	0	0	0	0
27	0	0	0	371	0	544	5.0	0	0	0	0	0
28	0	0	0	231	0	592	4.6	0	0	0	0	0
29	0	0	1.0	589	0	508	4.3	0	0	0	0	0
30	0	0	68	575	0	507	3.7	0	0	0	0	0
31	0	0	10	e 569	e 505	0	0	0	0	0	0	0
	0	0	16301	79	3193.6	120.	3598.5	14.7	0	0	0	0

MEAN	0	0	2.55	534.	110.	410.	120.	0.47	0	0	0	0
ACRE- FEET	0	0	157.	32330.	5330.	25220.	7140.	29.	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 98.1
ACRE-FEET 71210.

FORM C-12-55

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FIGO-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Foothill Boulevard for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	450	10	2.4	3.4	0	0	0	0	0	0	0
2	0	771	39	1.8	3.4	0	0	0	0	0	0	0
3	0	872	9.4	1.5	3.4	0	0	0	0	0	0	0
4	0	569	6.9	1.5	2.8	0	0	0	0	0	0	0
5	0	571	5.1	1.5	2.4	0	0	0	0	0	0	0
6	0	485	4.2	1.8	1.8	0	0	0	0	0	0	0
7	0	532	3.9	10	0.2	0	0	0	0	0	0	0
8	5.3	712	3.1	6.3	0.2	0	0	0	0	0	0	0
9	131	730	2.3	4.4	0.1	0	0	0	0	0	0	0
10	142	622	+	3.4	0	0	0	0	0	0	0	0
11	0.2	640	+	3.4	0	0	0	0	0	0	0	0
12	0	640	+	5.3	0	0	0	0	0	0	0	0
13	213	640	0	8.2	+	0	0	0	0	0	0	0
14	249	747	0	8.2	+	0	0	0	0	0	0	0
15	476	802	0	5.3	0	0	0	0	0	0	0	0
16	653	820	19.4	5.3	0	0	0	0	0	0	0	0
17	51	820	0	6.3	0	0	0	0	0	0	0	0
18	0	820	+	6.3	0	0	0	0	0	0	0	0
19	0	730	+	6.3	0	0	0	0	0	0	0	0
20	0	518	4.3	6.3	0	0	0	0	0	0	0	0
21	0	300	0.2	5.3	0	0	0	0	0	0	0	0
22	0	3.3	0.2	4.4	0	0	0	0	0	0	0	0
23	71	3.1	2.4	4.4	0	0	0	0	0	0	0	0
24	0	2.3	3.1	4.4	0	0	0	0	0	0	0	0
25	0	1.7	3.1	5.3	0	0	0	0	0	0	0	0
26	434	1.4	3.1	5.3	0	0	0	0	0	0	0	0
27	163	1.1	2.1	5.3	0	0	0	0	0	0	0	0
28	996	0.9	3.1	5.3	0	0	0	0	0	0	0	0
29	1030	0.9	2.8	4.4	0	0	0	0	0	0	0	0
30	984	0.9	3.1	4.4	0	0	0	0	0	0	0	0
31	342	0	5.3	3.4	0	0	0	0	0	0	0	0
	6405.9	13877.5	310.7	147.4	17.7	0	0	0	0	0	0	0

MEAN	207.	463.	10.0	4.75	0.63	0	0	0	0	0	0	0
ACRE- FEET	12710.	27530.	616.	292.	35.	0	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN 56.9
ACRE-FEET 41180.

STATION E281-R
SAN GABRIEL RIVER below Santa Fe Dam

LOCATION: LAT. 34°06'43", LONG. 117°58'07". ON THE LEFT BANK OF STILLING BASIN OUTLET OF SANTA FE DAM, 0.3 MILE NORTH OF ARROW HIGHWAY AND 1.5 MILES NORTH OF BALDWIN PARK. ELEVATION OF GAGE ABOUT 400 FEET.

DRAINAGE AREA: 239 SQUARE MILES. SPILLWAY FLOW FROM SANTA FE DAM WILL BE PASSED TO RIO HONDO.

CHANNEL AND CONTROL: CHANNEL - A STILLING BASIN LOCATED IN THE OUTLET CHANNEL IMMEDIATELY BELOW SANTA FE DAM. CONTROL - 194.84 FOOT CONCRETE OVERFLOW SECTION TO THE SAN GABRIEL RIVER AND 5 GATED OPENINGS TO THE RIO HONDO DIVERSION CANAL. STATION E281-R RECORDS WATER SURFACE ELEVATION IN THE STILLING BASIN.

DISCHARGE MEASUREMENTS: LOW FLOW MEASUREMENTS MAY BE MADE ON LIP OF BASIN BELOW GAGE HEIGHT 2.5 FEET. HIGH FLOW MEASUREMENTS MAY BE MADE FROM CABLE CAR 1000 FEET BELOW GAGE.

RECORDER: INSTALLED FEBRUARY 9, 1943. OVER A 6 FT. X 5 FT. CONCRETE STILLING WELL. A STEVENS A-35 RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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.

RECORDS AVAILABLE: RECORDER RECORDS FEBRUARY 9, 1943 TO SEPTEMBER 30, 1953. 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:

- 1951-52
MAXIMUM 881 SECOND-FEET JANUARY 17.
MINIMUM NO FLOW DURING MOST OF YEAR.
- 1952-53
MAXIMUM 598 SECOND-FEET OCTOBER 30.
MINIMUM NO FLOW DURING MOST OF YEAR.
- 1942-53
MAXIMUM 8700 SECOND-FEET JANUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INH	METH. NO.	MEAN SEC. NO.	R. PT. SHADE TOTAL	METER NO.
	1-17		USAE	196	242	1.87	11.36	454.			18	0	
	1-17	1449 1515	MOON-MURPHY	196	340.	2.88	11.84	950.		.8	21	0	FC22
	1-19		USGS	189	245.	3.18	11.77	780.		.6	21	0	
	1-22	1324 1327	MOON-MURPHY	195	237.	1.83	11.39	455.		.6	18	0	FC22
	1-25	0938 1000	"	195	248.	1.96	11.40	482.		.6	18	0	"
	1-26	0945 1015	MOON-TREAT	195	223.	1.83	11.29	408.		.6	21	0	"
	1-29	0810 0900	FENNEL-STUNDEN	196			11.15	320.		.6	40	+.01	
	1-29	1280	MOON-STUNDEN	195	218.	1.81	11.24	395.		.6	21	0	FC22
	2-6	1300 1310	MOON	195	227.	1.87	11.24	378.		.6	21	0	"
	3-16	0855 0915	TREAT-STEWART	195	195.	1.26	11.05	245.		.6	40	0	FC28
	3-17	1455 1520	MOON-RAGLE	194	158.	1.00	10.86	155.		.6	17	0	FC22
	3-20	0750 0830	STUNDEN-HYDE	195	194.	1.39	11.10	270.		.6	14	0	FC36
	3-31		USGS	195	224.	1.58	11.26	355.		.6	23	0	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
below Santa Fe Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BSIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INH	METH. NO.	MEAN SEC. NO.	R. PT. SHADE TOTAL	METER NO.
159	10-31		USGS	195	156.	1.62	12.59	253.		.6	42	0	
160	11-5		"	194	181.	2.08	12.73	371.		.6	41	0	
161	11-5		"	194	189.	1.99	12.73	378.		.6	41	0	
162	11-13		"	195	198.	2.28	12.83	451.		.6	41	+.01	
163	11-13		"	196	203.	2.26	12.82	459.		.6	42	0	
164	11-19		"	196	192.	1.90	12.77	364.		.6	42	0	
165	11-19		"	195	192.	1.90	12.77	365.		.6	43	0	

FD-114 C-12-53

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	325	0	348	0	0	0	0	0
2	0	0	0	0	319	0	319	0	0	0	0	0
3	0	0	0	0	313	0	290	0	0	0	0	0
4	0	0	0	0	336	0	279	0	0	0	0	0
5	0	0	0	0	367	2.8	285	0	0	0	0	0
6	0	0	0	0	338	0	290	0	0	0	0	0
7	0	0	0	0	23	0	190	0	0	0	0	0
8	0	0	0	0	0	0	201	0	0	0	0	0
9	0	0	0	0	0	0	296	0	0	0	0	0
10	0	0	0	0	0	0	126	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	2.5	0	0	0	0	0	0
15	0	0	0	0	0	3.8	0	0	0	0	0	0
16	0	0	0	0	0	0	177	0	0	0	0	0
17	0	0	0	341	0	0	375	0	0	0	0	0
18	0	0	0	838	0	0	83	0	0	0	0	0
19	0	0	0	774	0	0	266	0	0	0	0	0
20	0	0	0	774	0	0	306	0	0	0	0	0
21	0	0	0	687	0	0	342	0	0	0	0	0
22	0	0	0	466	0	0	323	0	0	0	0	0
23	0	0	0	459	0	0	305	0	0	0	0	0
24	0	0	0	418	0	0	367	0	0	0	0	0
25	0	0	0	427	0	0	342	0	0	0	0	0
26	0	0	0	386	0	0	342	0	0	0	0	0
27	0	0	0	256	0	0	361	0	0	0	0	0
28	0	0	0	0	0	0	379	0	0	0	0	0
29	0	0	0	0	0	0	373	0	0	0	0	0
30	0	0	0	330	0	0	361	0	0	0	0	0
31	0	0	0	330	0	0	335	0	0	0	0	0
	0	0	0		2021		2624	0	0	0	0	0

6822 5070.3

MEAN	0	0	0	220.	69.7	164.	87.5	0	0	0	0	0
ACRE- FEET	0	0	0	13530.	4010.	10060.	5200.	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 45.2 32800.

FD-114 C-12-53

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, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	296	0	0	0	0	0	0	0	0	0	0
2	0	144	0	0	0	0	0	0	0	0	0	0
3	0	186	0	0	0	0	0	0	0	0	0	0
4	0	386	0	0	0	0	0	0	0	0	0	0
5	0	379	0	0	0	0	0	0	0	0	0	0
6	0	361	0	0	0	0	0	0	0	0	0	0
7	0	405	0	0	0	0	0	0	0	0	0	0
8	0	474	0	0	0	0	0	0	0	0	0	0
9	0	488	0	0	0	0	0	0	0	0	0	0
10	0	432	0	0	0	0	0	0	0	0	0	0
11	0	459	0	0	0	0	0	0	0	0	0	0
12	0	459	0	0	0	0	0	0	0	0	0	0
13	0	459	0	0	0	0	0	0	0	0	0	0
14	0.5	403	0	0	0	0	0	0	0	0	0	0
15	2.4	260	0	0	0	0	0	0	0	0	0	0
16	0	342	4.6	0	0	0	0	0	0	0	0	0
17	1.7	361	0	0	0	0	0	0	0	0	0	0
18	0	367	0	0	0	0	0	0	0	0	0	0
19	0	373	0	0	0	0	0	0	0	0	0	0
20	0	348	0	0	0	0	0	0	0	0	0	0
21	0	315	0	0	0	0	0	0	0	0	0	0
22	0	198	0	0	0	0	0	0	0	0	0	0
23	0	24	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	12	0	0	0	0	0	0	0	0	0	0	0
27	90	0	0	0	0	0	0	0	0	0	0	0
28	82	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	1.3	0	0	0	0	0	0	0	0	0	0	0
31	263	0	0	0	0	0	0	0	0	0	0	0
	606.3		4.6		0	0	0	0	0	0	0	0

7917 0

MEAN	19.6	264.	1.5	0	0	0	0	0	0	0	0	0
ACRE- FEET	1200	15700	91	0	0	0	0	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRE-FEET 23.5 16990.

STATION F131-R
SAN GABRIEL RIVER at Garvey Avenue

LOCATION: WATER-STAGE RECORDER LAT. 34°03'46" LONG 118°00'18", ON THE RIGHT (WEST) BANK ABOUT 250 FEET BELOW GARVEY AVENUE BRIDGE, ELEVATION OF ZERO GAGE HEIGHT APPROXIMATELY 288.0 FEET.

DRAINAGE AREA: 7.19 SQUARE MILES.

CHANNEL AND CONTROL: SAND AND GRAVEL, SUBJECT TO CUT AND FILL, NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED ON OCTOBER 17, 1951 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 17, 1951 TO SEPTEMBER 30, 1953.

RECORDS AVAILABLE: OCTOBER 17, 1951 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 290 SECOND-FOOT NOVEMBER 7 (RELEASE FROM SANTA FE DAM).
MINIMUM NO FLOW MOST OF YEAR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Garvey Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 52

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	METER NO.	MEAN REC. NO.	S. FT. DISCHARGE TOTAL	METER NO.
1	1-22	1127	LANG	TWO CHANNELS		0.82	375.	.6	11	0	FC12		
2	1-26	0852 0914	WADDICOR-LANG	57.5	62.4	3.45	1.19	215.	.6	13	0	FC37	
3	1-29	1800	WADDICOR-BONADIMAN	46.0	63.2	3.27	1.23	207.	.6	12	0	FC19	
4	1-31	1030 1050	LANG	35.8	80.0	4.00	1.12	240.	.6	10	0	FC12	
5	2-6	1254 1308	WADDICOR-HYDE	45.2	57.7	3.36	1.14	194.	.6	13	0	FC37	
6	3-21	1036 1056	WADDICOR-LANG	48.0	65.3	3.83	1.32	250.	.6	16	0	"	
7	3-27	0805 0820	WADDICOR	48.5	66.5	3.78	1.32	251.	.6	16	0	"	
8	4-1	0842 0805	WADDICOR-BONADIMAN	50.0	67.3	3.43	1.32	231.	.6	16	0	"	
9	4-10	1344 1356	WADDICOR	32.0	36.3	1.82	0.63	66.2	.6	10	0	"	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Garvey Avenue DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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	METER NO.	MEAN REC. NO.	S. FT. DISCHARGE TOTAL	METER NO.
10	10-31	1122 1134	WADDICOR-BONADIMAN	26.0	32.8	1.74	0.56	57.0	.6	12	0	FC37	
11	10-31	1502 1614	"	27.0	35.8	2.17	0.67	78.	.6	12	0	"	
12	11-1	0807 0812	WADDICOR-WHISLER	28.0	39.4	2.54	0.81	100.	.6	14	0	"	
13	11-2	1030 1032	"	45.0	48.9	3.31	1.02	162.	.6	14	0	"	
14	11-4	1106 1120	BLAKELY	46.5	54.3	3.70	1.12	201.	.6	17	0	FC24	
15	11-5	1350 1350	WADDICOR	54.0	73.1	2.54	1.17	186.	.6	16	0	FC37	
16	11-6	1515 1515	"	55.0	74.6	2.69	1.20	201.	.6	17	0	"	
17	11-10	0828 0843	WADDICOR-BONADIMAN	47.5	59.9	3.66	1.25	219.	.6	13	0	"	
18	11-13	1510 1530	WADDICOR	51.0	68.9	3.59	1.38	247.	.6	14	0	"	
19	11-20	1520 1530	"	49.0	64.2	3.41	1.22	219.	.6	14	0	"	

FORM F. C. Div. 52 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F131B-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Garvey Avenue for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	216	0	230	0	0	0	0	0
2	0	0	0	0	188	0	201	0	0	0	0	0
3	0	0	0	0	148	0	179	0	0	0	0	0
4	0	0	0	0	152	0	165	0	0	0	0	0
5	0	0	0	0	178	0	162	0	0	0	0	0
6	0	0	0	0	173	0	162	0	0	0	0	0
7	0	0	0	0	8.5	0	124	0	0	0	0	0
8	0	0	0	0	0	0	65	0	0	0	0	0
9	0	0	0	0	0	0	161	0	0	0	0	0
10	0	0	0	0	0	0	76	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	+	0	0	0	0	0	0
17	0	0	0	0	0	252	0	0	0	0	0	0
18	0	0	0	0	0	25	0	0	0	0	0	0
19	0	0	0	0	636	0	163	0	0	0	0	0
20	0	0	0	0	594	0	209	0	0	0	0	0
21	0	0	0	0	647	0	0	0	0	0	0	0
22	0	0	0	0	522	0	249	0	0	0	0	0
23	0	0	0	0	320	0	209	0	0	0	0	0
24	0	0	0	0	304	0	208	0	0	0	0	0
25	0	0	0	0	271	0	252	0	0	0	0	0
26	0	0	0	0	255	0	249	0	0	0	0	0
27	0	0	0	0	231	0	246	0	0	0	0	0
28	0	0	0	0	217	0	252	0	0	0	0	0
29	0	0	0	0	+	0	252	0	0	0	0	0
30	0	0	0	0	100	0	255	0	0	0	0	0
31	0	0	0	0	252	0	246	0	0	0	0	0
	0	0	0	0	239	0	242	0	0	0	0	0
	0	0	0	4799.0	10835	3319.0	1524.0	0	0	0	0	0

MEAN ACRE- FEET	0	0	0	155.0	37.0	107.	51.	0	0	0	0	0
	0	0	0	9520.	2150.	6580.	3020.	0	0	0	0	0

Remarks: + = 0.25 c.f.s. or less

YEAR OR PERIOD MSAN ACRES- FEET 21270.

FORM 7. C. DR. 11 1-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1918-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Garvey Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	139	0	0	0	0	0	0	0	0	0	0
2	0	89	0	0	0	0	0	0	0	0	0	0
3	0	47	0	0	0	0	0	0	0	0	0	0
4	0	206	0	0	0	0	0	0	0	0	0	0
5	0	198	0	0	0	0	0	0	0	0	0	0
6	0	123	0	0	0	0	0	0	0	0	0	0
7	0	220	0	0	0	0	0	0	0	0	0	0
8	0	287	0	0	0	0	0	0	0	0	0	0
9	0	265	0	0	0	0	0	0	0	0	0	0
10	0	222	0	0	0	0	0	0	0	0	0	0
11	0	230	0	0	0	0	0	0	0	0	0	0
12	0	233	0	0	0	0	0	0	0	0	0	0
13	0	242	0	0	0	0	0	0	0	0	0	0
14	0	220	0	0	0	0	0	0	0	0	0	0
15	0	135	0	0	0	0	0	0	0	0	0	0
16	0	182	0	0	0	0	0	0	0	0	0	0
17	0	242	0	0	0	0	0	0	0	0	0	0
18	0	252	0	0	0	0	0	0	0	0	0	0
19	0	238	0	0	0	0	0	0	0	0	0	0
20	0	233	0	0	0	0	0	0	0	0	0	0
21	0	198	0	0	0	0	0	0	0	0	0	0
22	0	109	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	54	0	0	0	0	0	0	0	0	0	0	0
	54		0	0	0	0	0	0	0	0	0	0
		4330										

MEAN	1.74	144.	0	0	0	0	0	0	0	0	0	0
ACRE- FEET	107.	8590.	0	0	0	0	0	0	0	0	0	0
Remarks:												
								YEAR OR PERIOD	MEAN		12.0	
									ACRE-FEET		8700.	

STATION F263-R
SAN GABRIEL RIVER at Beverly Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 34°00'20". LONG. 118°04'07". ON THE DOWN-STREAM SIDE OF THE BEVERLY BOULEVARD BRIDGE, 0.5 MILE EAST OF PICO. ELEVATION OF ZERO GAGE HEIGHT, 172.50 FEET, U.S.G.S. DATUM.

DRAINAGE AREA: 206.5 SQUARE MILES (EXCLUSIVE OF DRAINAGE AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT. NO CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 600 FEET BELOW STATION.

RECORDER: INSTALLED ON FEBRUARY 4, 1937. REMOVED NOVEMBER 14, 1947 AND INSTALLED NOVEMBER 26, 1947 150 FEET UPSTREAM. MOVED TO NEW BRIDGE MARCH 6, 1952 AND INSTALLED OVER A 20-INCH DIAMETER STEEL PIPE STILLING WELL BUILT IN DOWN-STREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM MARCH 6, 1952 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM, AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 4, 1937 TO SEPTEMBER 30, 1953. (FOR RECORDS PRIOR TO FEBRUARY 4, 1937, SEE STATION F63-R, SAN GABRIEL RIVER AT WHITTIER BOULEVARD IN PREVIOUS REPORTS. FOR RECORDS PRIOR TO 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS V AND VI.)

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 14000 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW PART OF YEAR.

1952-53
MAXIMUM 1450 SECOND-FEET DECEMBER 2.
MINIMUM NO FLOW PART OF YEAR.

1936-53
MAXIMUM 22,700 SECOND-FEET ESTIMATED MARCH 2, 1936.
MINIMUM NO FLOW AT VARIOUS TIMES. (FOR EARLIER YEARS SEE STATION F63-R.)

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
 AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SETH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- INS	METH- NO.	MEAN REL. NO.	DI- CHANGE TOTAL	METER NO.
644	12-31	1440 1450	WADDICOR-VAN BUREN	27.0	19.2	1.93	4.95	37.1		6	10	0	FC37
645	1-3	1342 1352	WADDICOR	27.0	16.2	1.41	4.80	22.8		6	10	0	"
646	1-10	1420 1430	"	16.0	6.44	2.33	4.80	15.0		6	9	0	"
647	1-13	1230 1240	WADDICOR-PAYNE	62.0	80.9	3.22	5.21	196		6	12	0	"
648	1-16	1090 1080	"	210	415	6.19	8.01	2570		6	14	+13	"
649	1-16	1118	"	225	380	5.71	7.61	2170		6	13	-18	"
650	1-16	1355 1375	WADDICOR-VAN BUREN	125	131	4.43	6.31	580		6	11	+07	"
651	1-17	1050 1058	"	25.5	16.0	1.88	4.95	30.1		6	10	0	"
652	1-18	9130 9130	WADDICOR-PAYNE	295	998	10.1	9.32	10100		6	11	+25	"
653	1-18	9802 9802	WADDICOR-VAN BUREN	230	548	8.90	8.17	4980		6	12	+24	"
654	1-19	9889 9889	"	130	161	4.32	6.55	695		6	11	0	"
655	1-21	1335 1335	"	160	170	2.85	6.56	485		6	11	0	"
656	1-22	1114 1114	BONADIMAN	168	125	2.34	6.22	292	SURF.	6	14	0	FC19
657	1-25	9889 9889	WADDICOR-VAN BUREN	170	156	3.26	6.39	515		6	13	+01	FC37
658	1-26	1121 1121	WADDICOR-LANG	77.0	80.3	2.58	6.11	205		6	15	+01	"
659	1-29	1810 1834	WADDICOR-BONADIMAN	76.0	66.9	2.87	6.06	192		6	12	0	FC19
660	1-31	9835 9822	LANG	76.2	75.0	2.69	5.98	202		6	18	+01	FC12
661	2-6	1412 1412	WADDICOR-HYDE	88.0	79.1	2.11	5.94	167		6	14	0	FC37
662	2-7	1400 1400	WADDICOR	35.0	10.6	1.20	5.29	12.7		6	11	-01	"
663	2-14	1025 1040	"	23.5	7.82	1.83	5.32	14.3		6	11	0	"
664	2-21	1192	"	28.5	10.6	1.25	5.43	13.3		6	12	0	"
665	2-28	1050 1050	"	25.5	8.05	1.38	5.26	11.1		6	15	+01	"
666	3-6	1025 1040	"	24.4	9.79	1.70	6.08	16.5		6	11	0	"
667	3-7	9800 9800	WADDICOR-VAN BUREN	240	630	5.52	8.52	3480		6	22	+02	"
668	3-14	9858 9858	WADDICOR	34.5	14.7	1.21	5.34	17.8		6	11	0	"
669	3-15	1725 1725	WADDICOR-VAN BUREN	198	512	8.68	7.70	4440		6	12	0	"
670	3-15	2240 2250	"	230	540	7.24	7.75	3910		6	14	+03	"
671	3-19	9895 9895	WADDICOR	76.0	57.6	1.66	5.43	95.9		6	15	0	"
672	3-21	1240 1240	WADDICOR-LANG	90.0	93.7	2.73	5.84	258		6	18	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
 AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SETH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- INS	METH- NO.	MEAN REL. NO.	DI- CHANGE TOTAL	METER NO.
8	11-1	1027 1045	WADDICOR-WHISLER	34.0	34.0	1.85	6.84	62.6		6	14	0	FC37
9	11-2	1132	"	49.0	53.6	2.20	7.06	118		6	15	0	"
10	11-4	1248 1306	BLAKELY	62.0	60.9	2.90	7.24	177		6	18	0	FC24
11	11-5	1065 1113	WADDICOR	57.0	63.1	2.46	7.55	155		6	16	0	FC37
12	11-6	9915 9922	"	86.0	69.5	2.49	7.41	158		6	13	0	"
13	11-7	9956 9942	"	72.0	81.0	1.98	7.53	160		6	12	0	"
14	11-10	9912 1012	WADDICOR-BONADIMAN	70.5	63.0	2.92	7.67	184		6	16	0	"
15	11-13	9955 1015	WADDICOR	71.0	72.1	2.92	7.73	210		6	12	0	"
16	11-20	9912 9912	"	72.0	74.0	2.80	7.71	207		6	12	0	"
17	11-26	9955 9955	"	22.0	8.09	0.85	6.84	6.8		6	10	0	"
18	12-2	1220 1220	WADDICOR-ROBINSON	44.5	17.7	1.43	7.10	25.3		6	14	0	"
19	12-4	1300 1315	WADDICOR	14.0	6.31	0.96	6.86	6.2		6	9	0	"
20	12-11	1100	"	28.0	8.18	1.17	6.77	9.6		6	12	0	"
21	12-18	1220	"	42.0	14.8	1.22	6.56	18.0		6	14	0	"
22	12-26	1100	"	31.0	11.2	0.98	6.79	11.0		6	13	0	"
23	12-31	1220 1220	"	46.0	22.1	1.35	6.66	29.9		6	14	0	"
24	1-7	1450 1510	TWO CHANNELS				7.13	53.7		6	20	0	"
25	1-8	1125	"	42.0	16.2	1.31	6.97	21.2		6	15	0	"
26	1-15	1242	WADDICOR-WHISLER	42.8	15.4	1.19	6.95	18.4		6	15	0	"
27	1-22	1085 1085	WADDICOR	43.2	13.1	1.30	6.93	17.1		6	18	0	"
28	1-29	1042 1065	"	43.7	13.8	1.20	6.94	16.5		6	15	0	"
29	2-5	1095 1095	"	42.7	14.1	1.30	6.96	18.3		6	14	0	"
30	2-11	1250 1250	WADDICOR-GODFREY	42.2	12.5	1.23	6.95	15.4		6	15	0	"
31	2-19	1027 1027	WADDICOR	40.5	13.6	0.82	6.88	11.2		6	18	0	"
32	2-26	1028 1042	WADDICOR-HYDE	44.5	13.1	0.96	6.96	12.5		6	15	0	"
33	3-5	1112 1112	WADDICOR	39.8	12.4	1.08	6.98	13.2		6	16	0	"
34	3-12	1050 1018	HYDE	40.5	13.9	0.96	6.96	13.3		6	15	0	FC35
35	3-19	1095 1095	WADDICOR	31.0	9.66	1.25	6.98	12.1		6	13	0	FC37
36	3-26	1080 1080	"	5.0	1.16	0.95	6.74	1.1		6	8	0	"
37	4-2	1220 1220	WADDICOR-LINDSAY	14.5	4.83	1.08	6.83	5.2		6	12	0	"
38	4-23	1127	WADDICOR	5.0	0.88	0.97	6.72	0.85		6	6	0	"
39	4-30	1122	"	5.0	1.83	1.10	6.77	1.8		6	6	0	"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
 AT Beverly Boulevard DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SETH END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- INS	METH- NO.	MEAN REL. NO.	DI- CHANGE TOTAL	METER NO.
1	3-27	1220	WADDICOR	86.0	91.4	2.53	7.24	231		6	18	0	FC37
2	4-1	9858	WADDICOR-BONADIMAN	58.0	63.5	4.08	8.87	280		6	14	0	"
3	4-10	9858	WADDICOR	79.0	58.0	2.03	7.10	118		6	16	0	"
4	4-17	1100	"	30.0	11.8	1.14		13.8		6	10		"
5	4-24	1015 1025	"	17.8	8.31	1.56	6.78	13.0		6	11	0	"
6	5-1	1242	"	18.2	8.53	1.64	6.92	14.0		6	10	0	"
7	5-8	1192	"	19.5	9.41	1.80	6.91	15.1		6	11	0	"

FD-104 (Rev. 7-16-63)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F263-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Beverly Boulevard for the year ending September 30, 1962

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	52	180	14	247	14	0	0	0	0
2	0	0	0	27	162	12	250	14	0	0	0	0
3	0	0	0	23	153	b	250	14	0	0	0	0
4	0	0	0	23	153	13	250	14	0	0	0	0
5	0	0	0	23	170	13	250	14	0	0	0	0
6	0	0	0	18	137	b	250	14	0	0	0	0
7	0	0	0	19	23	1720	230	14	0	0	0	0
8	0	0	0	18	12	33	117	15	0	0	0	0
9	0	0	0	14	12	26	191	15	0	0	0	0
10	0	0	0	14	12	24	109	15	0	0	0	0
11	0	0	0	13	12	26	36	15	0	0	0	0
12	0	0	0	16	11	17	15	15	0	0	0	0
13	0	0	0	373	13	23	14	0	0	0	0	0
14	0	0	0	31	13	18	14	0	0	0	0	0
15	0	0	0	46	14	1370	13	0	0	0	0	0
16	0	0	0	2860	16	832	13	0	0	0	0	0
17	0	0	0	2250	b	306	13	0	0	0	0	0
18	0	0	0	4640	15	122	13	0	0	0	0	0
19	0	0	0	680	14	157	13	0	0	0	0	0
20	0	0	0	480	13	212	13	0	0	0	0	0
21	0	0	0	450	13	248	13	0	0	0	0	0
22	0	0	0	292	13	222	13	0	0	0	0	0
23	0	0	0	258	13	156	13	0	0	0	0	0
24	0	0	0	226	12	232	13	0	0	0	0	0
25	0	0	0	283	12	193	13	0	0	0	0	0
26	0	0	0	195	11	193	13	0	0	0	0	0
27	0	0	0	129	11	235	13	0	0	0	0	0
28	0	0	0	22	b	235	13	0	0	0	0	0
29	0	0	0	a 400	80	240	13	0	0	0	0	0
30	0	0	0	50	200	250	13	0	0	0	0	0
31	0	0	0	37	200	253	13	0	0	0	0	0
	0	0	487.0	13935.0	1264.0	7593.0	2431.0	178.0	0	0	0	0

MEAN	0	0	15.7	449.	43.6	238.	81.0	5.58	0	0	0	0
ACRE- FEET	0	0	966.	27640.	2510.	14660.	4820.	343.	0	0	0	0

Remarks:

YEAR MEAN 70.2
OR PERIOD ACRE-FEET 5920.

FD-104 (Rev. 7-16-63)

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

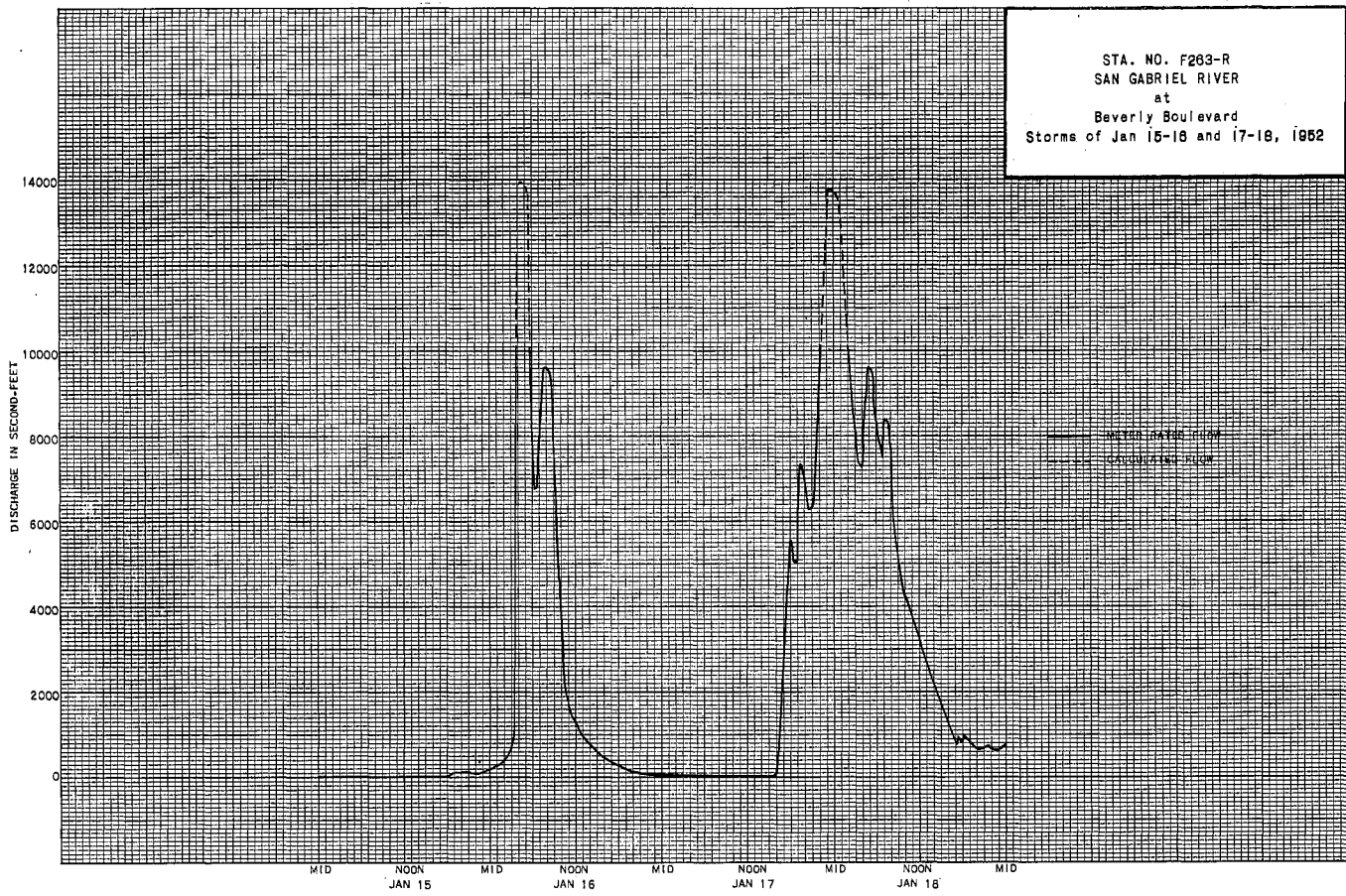
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	72	56	20	16	16	8.5	1.2	0	0	0	0
2	0	33	327	47	16	18	5.4	0.4	0	0	0	0
3	0	19	72	73	16	14	0.3	0	0	0	0	0
4	0	272	6.7	77	17	14	0.8	0	0	0	0	0
5	0	140	7.2	87	17	13	0	0	0	0	0	0
6	0	166	8.2	101	18	13	0	0	0	0	0	0
7	0	192	8.6	218	17	12	0	0	0	0	0	0
8	0	272	8.6	20	18	12	0	0	0	0	0	0
9	0	310	9.3	15	16	13	0	0	0	0	0	0
10	0	220	9.3	15	16	14	0	0	0	0	0	0
11	0	222	9.3	15	14	13	0	0	0	0	0	0
12	0	222	9.8	14	13	13	0	0	0	0	0	0
13	0	222	9.8	17	14	14	0	0	0	0	0	0
14	0	220	11.4	44	12	13	0	0	0	0	0	0
15	0	254	11.4	18	15	13	0	0	0	0	0	0
16	0	228	12.3	17	14	13	0	0	0	0	0	0
17	0	235	9.8	17	13	14	0	0	0	0	0	0
18	0	235	17	17	14	13	0	0	0	0	0	0
19	0	235	d 16	17	12	9	0	0	0	0	0	0
20	0	210	155	18	15	9	0	0	0	0	0	0
21	0	134	16	17	13	3.2	0	0	0	0	0	0
22	0	55	d 9.8	17	13	3.7	0.3	0	0	0	0	0
23	0	28	d 9.8	20	25	3.2	0.5	0	0	0	0	0
24	0	8.2	9.8	18	25	1.6	0	0	0	0	0	0
25	0	6.7	9.8	16	15	1.3	0	0	0	0	0	0
26	0	6.7	11	16	12	1.4	0	0	0	0	0	0
27	0	6.7	11	16	13	0.9	+	0	0	0	0	0
28	0	7.2	16	16	13	0	5.0	0	0	0	0	0
29	0	7.7	12	16	+	1.4	0	0	0	0	0	0
30	0	21	15	17	1.9	0.9	0	0	0	0	0	0
31	0	60	17	17	7.7	0	0	0	0	0	0	0
	0	870.5	44.5	23.4	1.6	0	0	0	0	0	0	0

MEAN	0	144.	28.1	34.0	15.9	9.43	0.78	0.05	0	0	0	0
ACRE- FEET	0	8550.	1730.	2090.	883.	577.	46.	3.2	0	0	0	0

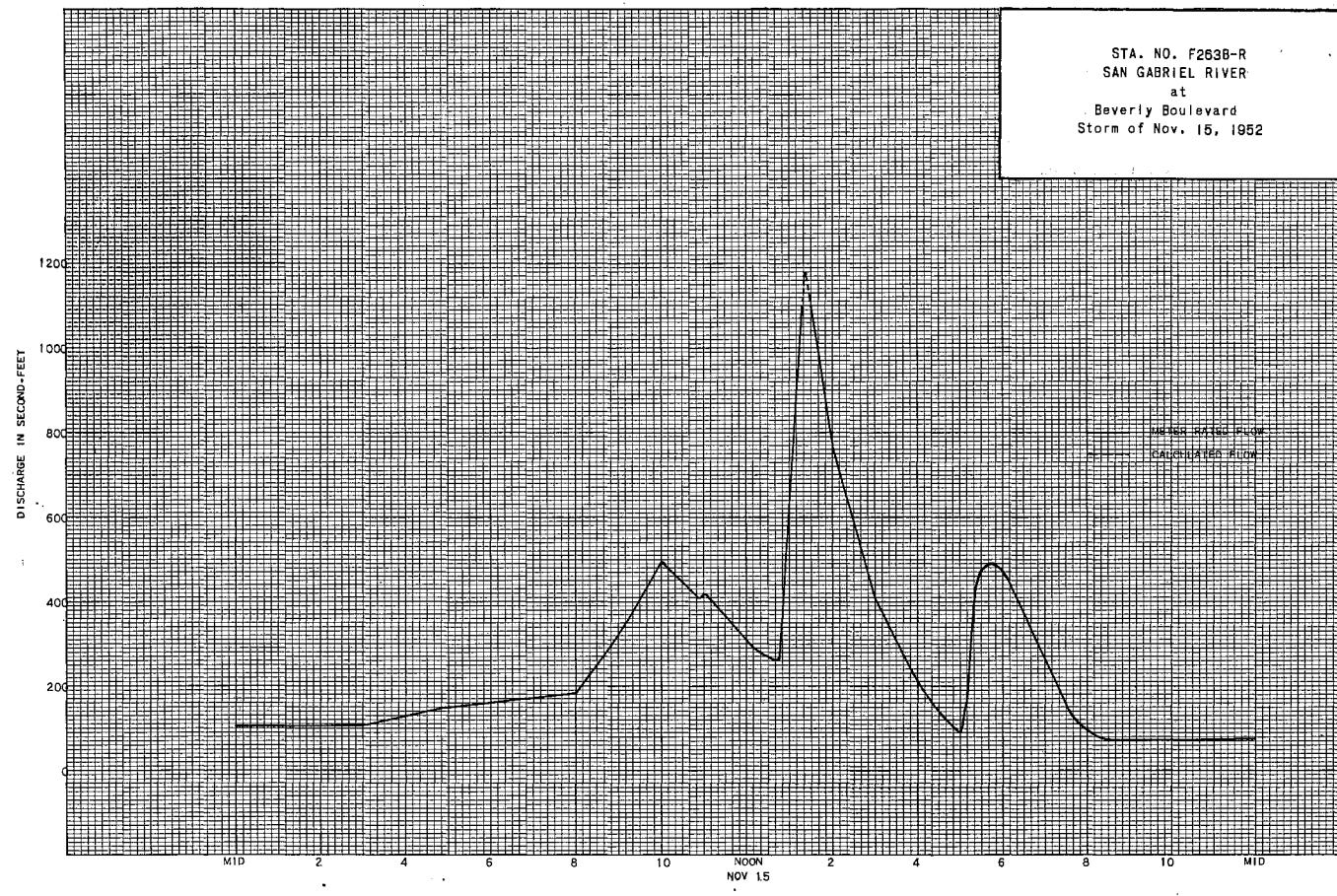
Remarks: + = 0.05 c.f.s. or less

YEAR MEAN 19.2
OR PERIOD ACRE-FEET 1380.

STA. NO. F263-R
 SAN GABRIEL RIVER
 at
 Beverly Boulevard
 Storms of Jan 15-16 and 17-18, 1952



STA. NO. F263B-R
 SAN GABRIEL RIVER
 at
 Beverly Boulevard
 Storm of Nov. 15, 1952



STATION F282-R
SAN GABRIEL RIVER at Florence Avenue

LOCATION: WATER-STAGE RECORDER, L.A.T. 33°56'20" LONG, 118°06'00" ON THE DOWN-STREAM SIDE OF THE FLORENCE AVENUE (FORMERLY EASY STREET) BRIDGE ABOUT 2 MILES EAST OF DOWNEY. ELEVATION OF ZERO GAGE HEIGHT, 105.00 FEET.

DRAINAGE AREA: 215 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: SHIFTING SAND BOTTOM - TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED ON FEBRUARY 27, 1937. REMOVED ON MARCH 2, 1938 AND WAS RE-INSTALLED ON APRIL 4, 1938. STATION REMOVED MARCH 22, 1949 TO PERMIT REMOVAL OF BRIDGE. RE-INSTALLED JANUARY 26, 1951 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY COGSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, LIVE OAK DAM AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION. POWER DEVELOPMENT AND SPREADING. VARIABLE QUANTITIES OF IRRIGATION WASTE RETURNS ARE RECORDED AT THE STATION.

RECORDS AVAILABLE: FEBRUARY 27, 1937 TO MARCH 22, 1949. RECORDER RECORD LOST FROM AUGUST 19, 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, 1953.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 8040 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 1270 SECOND-FEET DECEMBER 2.
MINIMUM NO FLOW MOST OF YEAR.
1937-53
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 15,960 SECOND-FEET, FEBRUARY 22, 1944.
MINIMUM NO FLOW AT VARIOUS TIMES.

OPERATION: LOCATED AND CONSTRUCTED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AND OPERATED IN COOPERATION WITH THE SAN GABRIEL VALLEY PROTECTIVE ASSOCIATION.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Florence Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH	HEAR. REC. NO.	R. FT. CHANGE TOTAL	METER NO.
421	12-30	0825 0847	BONADIMAN-LANG	60.0	69.1	1.88	9.07	130.	.6	11	0	FC19
422	1-13	0534 0544	BONADIMAN-HOLLERON	197.	290.	4.24	10.11	1230.	.6	10	+02	"
423	1-16	0708 0734	"	249.	712.	8.71	11.83	6200.	.6	10	-04	"
424	1-16	0823 0855	LANG	252.	860.	9.19	11.88	7900.	.6	10	-01	FC12
425	1-18	0112 0138	BONADIMAN-WRIGHT	245.	720.	10.6	11.15	7650.	.6	11	-30	FC19
426	1-18	0820 0857	LANG-CLARK	239.	588.	7.88	10.18	4630.	FLOATS	9	-44	"
427	1-19	1212	BONADIMAN-WRIGHT	74.0	95.6	4.54	7.51	435.	.6	7	0	FC19
428	1-20	0940 0952	BONADIMAN	80.0	89.5	3.98	8.01	356.	.6	8	+02	"
429	1-21	1007 1020	"	81.2	83.9	4.05	7.99	339.	.6	9	0	"
430	1-22	0854 0904	"	83.0	84.9	3.21	7.64	112.	.6	8	0	"
431	1-24	0938 0946	"	83.0	80.6	1.49	7.09	45.7	.6	9	0	"
432	1-25	1400 1408	BONADIMAN-WRIGHT	82.0	60.0	2.38	7.90	143.	.6	8	0	"
433	1-26	0955 1010	BONADIMAN-KASIMOFF	81.5	38.1	1.36	7.65	51.7	.6	15	0	FC46
434	3-7	0958 1023	LANG-CLARK	215.	393.	7.66	9.45	3010.	.6	15	+10	FC12
435	3-7	1351 1408	BONADIMAN-HYDE	240.	554	8.85	10.28	4900.	.6	12	-15	FC19
436	3-9	0846 0850	BONADIMAN	4.0	0.80	1.50	7.14	1.2	.5	3	0	"
437	3-15	2242 2258	BONADIMAN-HYDE	222.	353.	6.97	9.33	2460.	.6	13	0	"
438	3-16	0840 0900	HYDE-BONADIMAN	TWO	CHANNELS	8.36	843.		.6	13	+02	"
439	3-17	1034 1044	BONADIMAN	57.0	52.2	4.29	7.64	224.	.6	7	0	"
440	3-22	1710 1730	WADDICOR	36.0	17.4	1.70	7.47	23.6	.6	11	0	FC37
441	3-24	0830 0843	BONADIMAN	67.0	42.6	1.70	7.85	72.4	.6	11	0	FC19
442	3-27	1010 1023	"	438.	29.1	1.94	7.88	56.3	.6	11	0	"
443	3-28	0948 1006	"	66.0	25.0	1.46	7.78	36.7	.6	13	0	"
444	4-1	1340 1350	WADDICOR-BONADIMAN	31.0	14.9	1.80	7.79	26.8	.6	14	0	FC37
445	4-3	0906 0914	BONADIMAN	16.5	6.37	0.74	7.56	4.7	.6	6	0	FC19
446	4-10	1322 1328	"	10.0	3.30	0.91	7.58	3.0	.6	5	0	"

NO.	DATE	BSRN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INH	HEAR. REC. NO.	R. FT. CHANGE TOTAL	METER NO.
447	11-15	1952 2004	BONADIMAN-DE MARS	75.0	82.0	1.55	8.24	127.	.6	7	-03	FC19
448	11-16	0950 0945	DE MARS	51.0	37.9	3.56	8.25	135.	.6	12	0	"
449	11-19	0845 0900	BONADIMAN	40.0	21.1	1.87	7.92	39.5	.6	11	0	"
450	11-20	0837 0849	BONADIMAN-KOCH	44.0	21.0	1.54	7.94	32.2	.6	12	0	"
451	12-2	0510 0518	BONADIMAN-DE MARS	151.	156.	3.95	8.78	616.	.6	9	+13	"
452	12-31	1316	DE MARS-BRITZMAN	18.	4.69	1.00	7.65	4.7	.6	6	-04	FC34
453	1-7	1555 1604	GODFREY	14.5	6.73	1.40	7.74	9.4	.6	9	0	FC19

TABLE F. C. Div. 13 9-52

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, 1952

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	26	0	0	0	0	0
3	0	0	0	0	0	0	18	0	0	0	0	0
4	0	0	0	0	0	0	3.2	0	0	0	0	0
5	0	0	0	0	0	0	+	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1470	3.2	0	0	0	0	0
8	0	0	0	0	0	15	+	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	2.4	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	226	0	+	0	0	0	0	0	0
14	0	0	0	13	0	0	0	0	0	0	0	0
15	0	0	0	22465	0	727	0	0	0	0	0	0
16	0	0	0	9850	0	235	0	0	0	0	0	0
17	0	0	0	3070	0	10	0	0	0	0	0	0
18	0	0	0	412	0	0	0	0	0	0	0	0
19	0	0	0	370	0	0	0	0	0	0	0	0
20	0	0	0	335	0	43	0	0	0	0	0	0
21	0	0	0	126	0	51	0	0	0	0	0	0
22	0	0	0	70	0	0	0	0	0	0	0	0
23	0	0	0	47	0	0	0	0	0	0	0	0
24	0	0	0	127	0	53	0	0	0	0	0	0
25	0	0	0	16	0	7	0	0	0	0	0	0
26	0	0	0	163	0	5	0	0	0	0	0	0
27	0	0	0	39	0	5	0	0	0	0	0	0
28	0	0	0	0	0	5	0	0	0	0	0	0
29	0	0	110	+	0	5	0	0	0	0	0	0
30	0	0	158	0	0	5	0	0	0	0	0	0
31	0	0	12	0	0	23	0	0	0	0	0	0
0	0	0	280.0	8091.9	0	3800.0	52.8	0	0	0	0	0
MEAN	0	0	9.03	261.	0	123.	1.76	0	0	0	0	0
ACRE- FEET	0	0	555.	16050.	0	7800.	105.	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRE-FEET 24250.

TABLE F. C. Div. 13 9-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

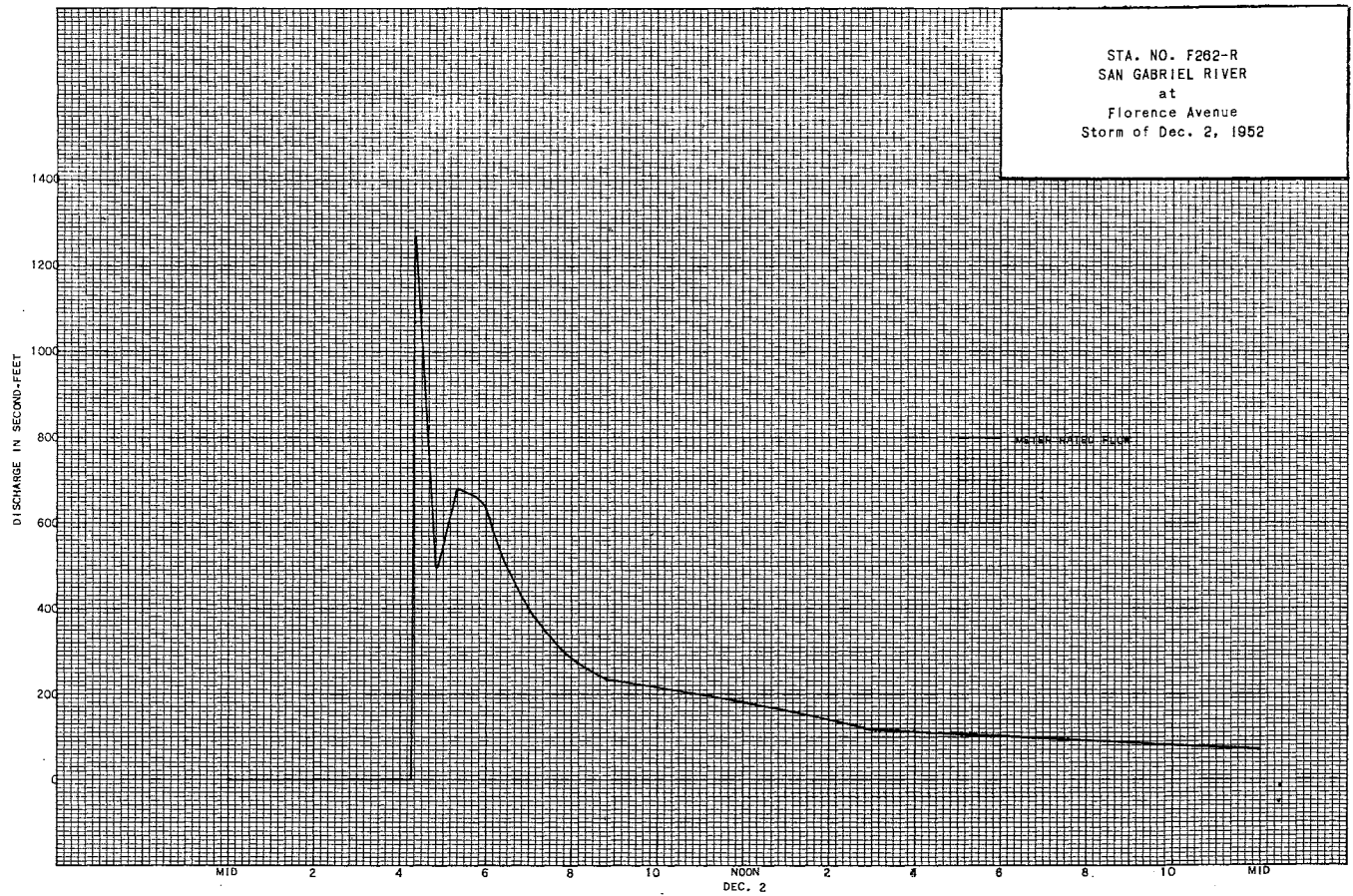
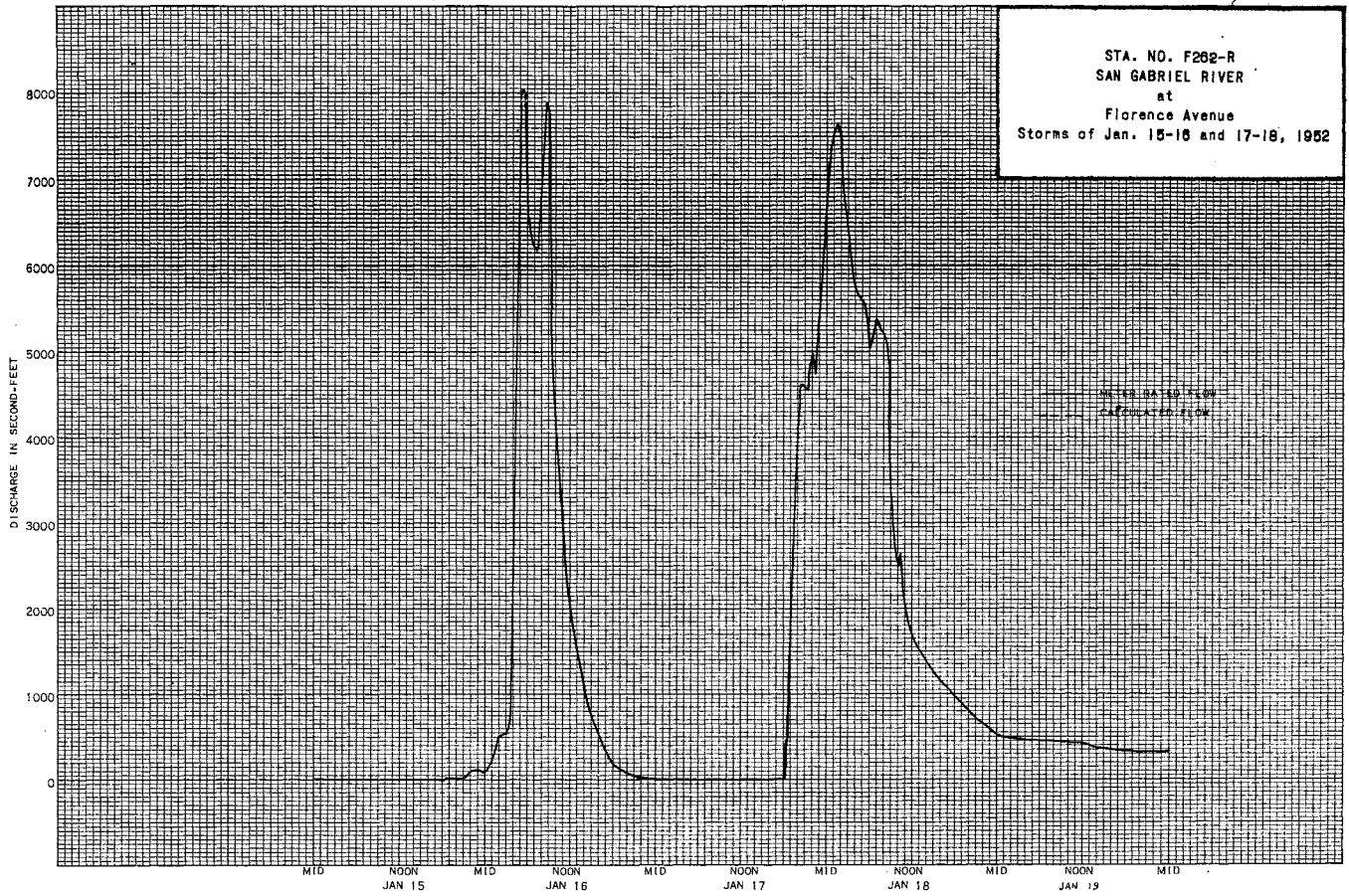
Sta. No. F262-R

Daily discharge, in second-feet of SAN GABRIEL RIVER at Florence Avenue for the year ending September 30, 1953

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	181	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	16	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	49	0	0	0	0	0	0	0	0	0	0
16	0	93	0	0	0	0	0	0	0	0	0	0
17	0	+	0	0	0	0	0	0	0	0	0	0
18	0	30	0	0	0	0	0	0	0	0	0	0
19	0	28	0	0	0	0	0	0	0	0	0	0
20	0	33	34	0	0	0	0	0	0	0	0	0
21	0	10	17	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	4.7	0	0	0	0	0	0	0	0	0
0	0	0	236.7	16	0	0	0	0	0	0	0	0
MEAN	0	8.10	7.64	0.52	0	0	0	0	0	0	0	0
ACRE- FEET	0	482.	469	32.	0	0	0	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRE-FEET 983.



STATION F42-R
SAN GABRIEL RIVER at Spring Street

LOCATION: WATER-STAGE RECORDER, LAT. 33°46'38", LONG. 118°05'25", ON DOWN-STREAM SIDE OF SPRING STREET BRIDGE ABOUT 4 MILES EAST OF SIGNAL HILL NEAR LONG BEACH. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED IN 1924 BY THE STATE DIVISION OF WATER RIGHTS. ELEVATION OF ZERO GAGE HEIGHT, 12.25 FEET.

DRAINAGE AREA: 215.5 SQUARE MILES (EXCLUSIVE OF AREA ABOVE SANTA FE DAM).

CHANNEL AND CONTROL: CHANNEL - SAND AND SILT OVER ADGEE BOTTOM, TRAPEZOIDAL CHANNEL WITH BLACK-TOPPED EARTHEN LEVEES. NO ARTIFICIAL CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING; HIGH FLOWS MEASURED FROM CABLE CAR 200 FEET ABOVE STATION.

RECORDER: INSTALLED FEBRUARY 6, 1928. REMOVED MAY 4, 1951 FOR CONSTRUCTION OF NEW BRIDGE. REINSTALLED APRIL 9, 1952 OVER AN 18-INCH DIAMETER STILLING WELL BUILT IN DOWNSTREAM END OF BRIDGE PIER. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM APRIL 9, 1952 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY COSWELL DAM, SAN GABRIEL DAM, MORRIS DAM, SANTA FE DAM, BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DAM, PUDDINGSTONE DIVERSION DAM, LIVE OAK DAM AND THOMPSON CREEK DAM.

DIVERSIONS: THERE ARE SEVERAL DIVERSIONS FOR IRRIGATION, POWER DEVELOPMENT AND SPREADING.

RECORDS AVAILABLE: FEBRUARY 6, 1928 TO MAY 4, 1951. APRIL 9, 1952 TO SEPTEMBER 30, 1953. (FOR PERIODS PRIOR TO FEBRUARY 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM NOT DETERMINED.
MINIMUM NO FLOW PART OF YEAR.
- 1952-53
MAXIMUM 301 SECOND-FEET DECEMBER 2.
MINIMUM NO FLOW MOST OF YEAR.
- 1927-53
MAXIMUM 27,000 SECOND FEET ESTIMATED MARCH 2, 1939.
MINIMUM NO FLOW MOST OF EACH YEAR.

OPERATION: OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. LOCATED BY THE STATE DIVISION OF WATER RIGHTS.

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Spring Street DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	S. M. CHANGE TOTAL	METER NO.
353	12-30	1018 1018	BONADIMAN-LANG					155.		.6	16		FC19
354	1-26	1352 1204	BONADIMAN-KASIMOFF	27.5	21.8	1.85		36.0		.6	10		FC46
355	3-24	1300 1316	BONADIMAN	46.0	27.6	1.82		50.3		.6	10		FC19
356	3-27	1120 1138	"					21.2		.6	13		"
357	4-1	1300 1316	WADDICOR-BONADIMAN	32.0	18.7	1.28		24.0		.6	14		"

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER
AT Spring Street DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	S. M. CHANGE TOTAL	METER NO.
358	11-16	1135 1155	DE MARS				6.56	12.0		.6	12	0	FC19
359	11-17	1023 1023	BONADIMAN	5.0	1.23	0.90	6.15	1.1		.5	5	0	"
360	12-2	1210 1218	BONADIMAN-DE MARS	49.0	31.0	3.61	6.33	112.		.6	7	0	"
361	12-3	1108 1113	DE MARS	2.5	0.52	0.46	5.64	0.24		.6	5	0	"

FD-717 (7-5-52) Dist. 88-8-56

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, 1953

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	101	0	0	0	0	0	0	0	0	0
3	0	0	10	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	5.4	0	0	0	0	0	0	0	0	0	0
18	0	0.5	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
			102	0	0	0	0	0	0	0	0	0
			5.9									
MEAN	0	0.30	3.25	0	0	0	0	0	0	0	0	0
ACRE- FEET	0	18.	202.	0	0	0	0	0	0	0	0	0
Remarks:												
									YEAR OR PERIOD	MEAN ACRE-FEET		0.30 220.

STATION FND-R
SAN JOSE CREEK at Workman Mill Road

LOCATION: WATER-STAGE RECORDER, LAT. 34°01'24", LONG. 118°02'05", ON THE DOWN-STREAM SIDE OF WORKMAN MILL ROAD BRIDGE, ABOUT 3 MILES NORTH OF WHITTIER. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1929 BY THE STATE DIVISION OF WATER RIGHTS, ELEVATION OF ZERO GAGE HEIGHT 214.85 FEET.

DRAINAGE AREA: 85.0 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING, HIGH FLOWS MEASURED FROM CABLE CAR 150 FEET BELOW STATION.

RECORDER: INSTALLED JANUARY 2, 1929 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN AU CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY THOMPSON CREEK DAM.

DIVERSIONS: SMALL DIVERSION FOR SPREADING. (SEE STATION F276-R)

RECORDS AVAILABLE: JANUARY 2, 1929 TO SEPTEMBER 30, 1953. (FOR RECORDS PRIOR TO JANUARY 2, 1929, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 4400 SECOND-FOOT JANUARY 18.
MINIMUM 0.2 SECOND-FOOT DECEMBER 2.

1952-53
MAXIMUM 980 SECOND-FOOT DECEMBER 2.
MINIMUM LESS THAN 0.1 SECOND-FOOT AUGUST 27 TO SEPTEMBER 13.

1928-53
MAXIMUM 13,100 SECOND-FOOT JANUARY 1, 1934.
MINIMUM NO FLOW AT VARIOUS TIME.

ACCURACY: GOOD FOR LOW FLOWS. FAIR FOR HIGH FLOWS DUE TO UNDETERMINED SHIFT.

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

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK
AT NEAR Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	MEAN. R. FT. CHANSEL TOTAL	METER NO.	
980	10-4	1325 1305	WADDICOR	3.0	0.88	1.01	0.81	0.89	.5	4	0	FC37
981	10-11	1322	"	3.0	0.94	0.66	0.77	0.62	.5	4	0	"
982	10-25	1303 1305	"	3.5	1.18	0.85	0.82	1.0	.5	5	0	"
983	11-1	1320 1325	"	4.0	1.26	0.87	0.82	1.1	.6	5	0	"
984	11-8	1035 1030	"	3.5	1.00	0.77	0.82	0.77	.5	5	0	"
985	11-15	1327	"	4.0	1.00	0.77	0.51	0.77	.5	5	0	"
986	11-20	1110	WADDICOR-VAN BUREN	6.0	2.28	1.14	0.78	2.6	.6	6	-.01	"
987	11-23	1331	WADDICOR	4.0	1.48	0.88	0.52	1.3	.5	5	0	"
988	11-29	1338 1336	"	3.0	0.76	1.12	0.52	0.85	.5	4	0	"
989	12-5	1335	WADDICOR-VAN BUREN	4.0	0.95	0.70	0.56	0.67	.5	5	0	"
990	12-19	1340	"	3.3	0.67	0.61	0.50	0.41	.5	5	0	"
991	12-27	1318 1323	WADDICOR	4.0	0.84	0.90		0.76	.5	5		"
992	12-31	1327 1307	WADDICOR-VAN BUREN	17.0	7.91	1.31	0.77	10.4	.6	8	0	"
993	1-10	1335	WADDICOR	4.0	0.92	1.00	0.56	0.92	.6	5	0	"
994	1-13	1138	WADDICOR-PAYNE	37.0	40.8	3.84	1.84	157.	.6	8	-.02	"
995	1-17	1345 1355	WADDICOR-VAN BUREN	12.0	8.00	1.70	1.09	13.6	.6	7	0	"
996	1-17-18	2320 0005	PAYNE-TREAT	114.	434.	9.72	7.42	4220.	.6	11	+1.6	FC28
997	1-25	1016 1027	WADDICOR-VAN BUREN	60.0	50.0	2.66	1.13	133.	.6	10	-.04	FC37
998	1-31	1325	LANG	6.4	2.06	1.11		2.3	.5	14		FC12
999	2-7	1090 1010	WADDICOR	4.8	2.07	1.26	-0.18	2.6	.6	6	0	FC37
1000	2-14	1340 1350	"	7.2	2.50	1.24	-0.18	3.1	.6	9	0	"
1001	2-21	1320 1330	"	6.0	1.72	1.10	-0.20	1.9	.6	8	0	"
1002	2-28	1427	"	7.0	1.69	0.83	-0.28	1.4	.6	8	0	"
1003	3-1	0850	WADDICOR-VAN BUREN	9.5	3.68	1.58	-0.06	5.8	.6	7	0	"
1004	3-6	1112 1119	WADDICOR	6.0	1.78	0.95	-0.25	1.7	.5	7	0	"
1005	3-7	1090 1015	PAYNE-TREAT	105.	368.	7.01	5.00	2580.	.6	12	+1.0	FC28
1006	3-7	1020 1035	"	105.	412.	7.13	5.20	2940.	.6	7	+1.0	"
1007	3-7	1425 1440	"	100.	422.	6.93	5.20	2920.	.6	11	-1.0	"
1008	3-7	1450	"	100.	399.	6.67	5.00	2860.	.6	11	-1.0	"
1009	3-14	1112	WADDICOR	4.0	1.20	1.17	-0.36	1.4	.5	5	0	FC37
1010	3-19	1510 1520	"	6.0	2.50	1.24	-0.25	3.1	.6	7	0	"
1011	3-27	1410	"	6.0	2.28	1.14	-0.28	2.6	.6	7	0	"
1012	4-3	1435	"	5.0	1.38	0.94	-0.24	1.3	.5	6	0	"
1013	4-10	1050 1058	"	5.0	1.66	1.26	-0.24	2.1	.5	6	0	"
1014	4-17	1230 1240	"	4.5	1.50	0.95	-0.20	1.4	.5	6	0	"
1015	4-24	1045 1055	"	9.8	2.82	1.06	-0.16	3.0	.6	8	0	"
1016	5-1	1360	"	9.5	2.88	1.01	-0.13	2.9	.5	8	0	"
1017	5-8	1330	"	9.3	3.00	1.05	-0.08	3.1	.5	8	0	"
1018	5-15	1315 1325	"	4.0	1.16	0.85	-0.24	0.96	.5	5	0	"
1019	5-22	1350 1357	"	4.5	1.19	1.01	-0.16	1.2	.5	6	0	"
1020	5-29	0958 1008	"	4.0	1.27	0.94	-0.20	1.2	.5	5	0	"
1021	6-5	1340 1340	"	4.0	1.18	0.84	-0.16	0.99	.5	5	0	"
1022	6-12	1355 1355	"	4.0	1.14	0.83	-0.15	0.95	.5	5	0	"
1023	6-19	1310	"	4.0	0.94	0.81	-0.14	0.76	.5	5	0	"
1024	6-28	1415	"	4.0	1.10	0.91	-0.03	1.0	.5	5	0	"

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	MEAN. R. FT. CHANSEL TOTAL	METER NO.		
1025	7-3	1502 1507	"	4.0	1.02	0.94	-0.23	0.96	.5	5	0	"	
1026	7-10	1503 1508	"	4.0	0.88	0.98	-0.07	0.86	.5	5	0	"	
1027	7-17	1333 1333	"	4.0	0.92	0.72	-0.07	0.66	.5	5	0	"	
1028	7-24	1525 1530	"	4.0	0.94	0.73	-0.24	0.69	.5	5	0	"	
1029	7-31	1545 1552	"	3.5	0.90	0.86	-0.21	0.77	.5	5	0	"	
1030	8-14	1440 1449	LANG-WADDICOR	2.5	0.52	0.67	-0.17	0.35	.5	8	0	"	
1031	8-21	1107 1118	LANG	4.0	0.90	0.57		0.51	.5	9		FC12	
1032	8-28	1132 1147	"	4.2	1.10	0.34		0.38	.5	10		"	
1033	9-4	1506 1510	WADDICOR-LA BAHN	2.6	0.62	0.94	-0.03	0.58	.5	6	0	FC37	
1034	9-11	1507	WADDICOR-DE MARS	TWO CHANNELS				0.0	0.62	EST. 5.	5	0	"
1035	9-18	1335 1340	WADDICOR	4.0	0.88	1.01	1.12	0.89	.5	5	0	"	
1036	9-25	1040 1048	"	4.0	0.92	0.99	1.10	0.91	.5	5	0	"	

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK
AT NEAR Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	RAISE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	MEAN. R. FT. CHANSEL TOTAL	METER NO.	
1037	10-2	1330 1330	WADDICOR	4.0	1.03	0.97	1.12	1.0	.5	5	0	FC37
1038	10-9	1108	"	4.0	1.00	0.91	1.10	0.91	.5	5	0	"
1039	10-15	1415 1420	WADDICOR-DE MARS	2.7	0.60	0.92	0.95	0.55	.5	5	0	"
1040	10-23	0920 0928	WADDICOR	4.0	0.86	0.63	1.05	0.54	.5	5	0	"
1041	10-30	1438 1444	"	4.0	1.00	0.64	1.09	0.64	.5	5	0	"
1042	11-6	0930 0930	"	4.0	1.12	0.98	1.10	1.1	.5	5	0	"
1043	11-13	0925 0930	"	3.5	0.81	0.86	0.77	0.70	.5	5	0	"
1044	11-15	1350 1405	WHISLER-TREAT	47.0	49.6	3.02	2.63	150.	.6	12	-1.0	FC5
1045	11-15	1710 1738	"	53.0	86.0	3.26	2.95	230.	.6	12	-1.0	"
1046	11-15	2025 2035	"	45.5	42.2	2.18	2.20	91.8	.6	12	-.01	"
1047	11-16	1125	"	23.5	22.6	2.03	1.72	45.9	.6	13	-.02	"
1048	11-17	0950 0957	WADDICOR	6.0	2.60	1.73	0.86	4.5	.6	7	0	FC37
1049	11-20	0930 0938	"	4.0	1.18	0.85	0.94	1.0	.5	5	0	"
1050	11-26	0840 0847	"	3.5	0.80	0.86	0.75	0.69	.5	5	0	"
1051	12-1	0010 0035	TREAT-BELL	58.0	116.	3.73	3.20	434.	.6	13	-.30	FC45
1052	12-2	1400 1410	WADDICOR-ROBINSON	14.7	11.7	1.32	1.10	15.5	.6	9	0	FC37
1053	12-11	1145 1150	WADDICOR	3.0	0.65	0.51	0.71	0.33	.6	6	0	"
1054	12-18	1512	"	4.0	1.18	1.10	0.84	1.3	.5	5	0	"
1055	12-20	0930 0930	TREAT	22.0	17.0	1.81	1.31	30.7	.6	8	+.02	FC45
1056	12-27	0725 0732	WADDICOR	4.0	1.14	1.14	1.02	1.3	.6	5	0	FC37
1057	12-31	1425 1438	"	14.0	11.4	0.68	0.94	7.8	.6	10	0	"
1058	1-7	1330 1342	"	13.0	17.8	1.36	1.26	24.2	.6	10	-.01	"
1059	1-8	1415	"	18.0	8.30	0.31	0.84	2.6	.6	10	0	"
1060	1-15	1347 1357	"	9.0	2.68	1.20	0.84	3.2	.6	10	0	"
1061	1-22	1120	"	4.5	1.26	1.19	0.80	1.5	.5	6	0	"
1062	1-29	1300 1306	"	4.5	1.25	1.04	0.80	1.3	.5	6	0	"
1063	2-5	1115	"	4.0	1.12	1.18	0.83	1.3	.5	5	0	"
1064	2-11	1384 1384	WADDICOR-GODFREY	6.7	2.28	0.79	0.83	1.8	.6	8	0	"
1065	2-19	1155	WADDICOR	6.0	1.94	0.67	0.80	1.3	.6	7	0	"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK
Workman Mill Road DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. IND.	METH. DD	MEAN. REG. NO.	Q. CHANGE TOTAL	METER NO.
1066	2-24	1330	"	6.0	2.26	1.37	0.85	3.1	.6	7	0	"	"
1067	2-26	1115 1122	WADDICOR-HYDE	6.7	1.93	0.78	0.80	1.5	.6	7	0	"	"
1068	3-5	1150 1158	WADDICOR	6.0	2.01	0.95	0.80	1.9	.5	7	0	"	"
1069	3-12	1150	HYDE	7.0	1.66	0.78	0.79	1.3	.5	7	0	FC35	"
1070	3-19	1105 1113	WADDICOR	6.0	1.85	1.03	0.83	1.9	.5	7	0	FC37	"
1071	3-26	1203 1208	"	5.8	1.84	0.98	0.81	1.8	.6	7	0	"	"
1072	4-2	1250 1255	WADDICOR-LINDSAY	7.4	2.29	0.93	0.86	2.1	.6	8	0	"	"
1073	4-9	1412	WADDICOR	6.0	1.60	0.88	0.81	1.4	.5	7	0	"	"
1074	4-16	1508	"	6.0	1.65	0.79	0.81	1.3	.5	7	0	"	"
1075	4-23	1330 1338	"	6.0	1.56	0.56	0.87	0.87	.6	7	0	"	"
1076	4-30	1353	"	6.0	1.88	1.01	0.90	1.9	.5	7	0	"	"
1077	5-7	1415 1422	"	6.0	1.54	0.72	0.80	1.1	.6	7	0	"	"
1078	5-14	1415 1424	"	6.0	1.61	0.68	0.80	1.1	.5	7	0	"	"
1079	5-21	1507	"	6.0	1.60	1.01	0.96	1.6	.5	7	0	FC29	"
1080	5-28	1250 1255	"	6.0	1.62	0.93	0.87	1.5	.5	7	0	FC37	"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. IND.	METH. DD	MEAN. REG. NO.	Q. CHANGE TOTAL	METER NO.
1081	6-4	1330 1338	"	5.0	1.28	1.02	0.91	1.3	.5	6	0	"	"
1082	6-11	1330 1338	WADDICOR-THOMAS	4.9	1.66	0.43	0.90	0.72	.6	6	0	"	"
1083	6-18	1310	WADDICOR	6.0	1.42	0.63	0.91	0.90	.5	7	0	"	"
1084	6-25	1350	"	6.0	1.48	0.53	0.91	0.78	.5	7	0	"	"
1085	7-2	1447 1455	"	5.0	1.06	0.79	0.94	0.84	.5	6	0	"	"
1086	7-9	1415 1420	"	4.0	0.90	0.86	0.97	0.77	.5	5	0	"	"
1087	7-16	1309 1314	WADDICOR-HASKELL	3.5	0.85	0.47	0.87	0.41	.5	5	0	"	"
1088	7-23	1327	WADDICOR	4.0	0.76	0.54	0.86	0.41	.5	5	0	"	"
1089	7-30	1360 1360	"	4.0	0.74	0.53	0.83	0.39	.5	5	0	"	"
1090	8-6	1238 1243	WADDICOR-GODFREY	3.0	2.53	0.20	0.87	0.52	.5	4	0	"	"
1091	8-13	0945 0950	WADDICOR	3.0	0.60	0.92	0.92	0.55	.5	4	0	"	"
1092	8-20	1549	GODFREY	3.7	1.43	0.27	0.82	0.39	.5	6	0	FC28	"
1093	8-27	1427	"	1.4	0.39	0.28	0.78	0.11	.6	6	0	"	"
1094	9-2	1423	WADDICOR	2.0	0.20	0.90	0.81	0.10	.5	3	0	FC37	"
1095	9-11	1070	"	3.0	0.30	0.27	0.94	0.08	.5	4	0	"	"
1096	9-18	1045 1050	"	3.0	0.36	1.06	0.87	0.38	.5	4	0	"	"
1097	9-25	1338	"	3.0	0.58	0.71	0.95	0.41	.5	4	0	"	"

FD-114 (7-5-52) (Rev. 11-1-51)

LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT
 HYDRAULIC DIVISION

Sta. No. FB-R

Daily discharge, in second-feet of SAN JOSE CREEK at Workman Mill Road for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.2	0.6	3.1	2.2	5.6	1.0	2.7	1.1	1.0	0.8	0.5
2	0.8	1.2	0.4	3.1	2.2	2.6	0.6	2.7	1.0	1.0	0.7	0.5
3	0.8	1.0	0.2	2.9	2.2	1.0	1.0	2.9	1.0	1.0	0.7	0.6
4	0.8	1.0	0.2	3.1	2.2	1.8	1.2	2.7	1.0	1.0	0.7	0.6
5	0.8	1.0	0.8	3.1	2.2	1.6	1.2	2.2	2.8	1.0	0.6	0.6
6	0.8	0.8	1.0	3.1	2.2	1.8	0.8	2.9	1.0	1.0	0.6	0.6
7	0.8	0.8	1.0	3.1	2.2	6.0	1.1	2.7	1.0	1.0	0.6	0.6
8	0.8	0.8	1.0	3.1	2.2	1.1	1.6	2.2	1.0	1.0	0.6	0.6
9	0.4	1.0	1.0	1.2	2.2	1.5	1.6	2.0	1.0	0.9	0.5	0.6
10	0.2	1.0	1.0	1.0	2.4	1.3	3.1	1.8	1.0	0.9	0.5	0.6
11	0.8	1.0	1.0	1.0	2.4	1.0	3.3	1.8	1.0	0.9	0.5	0.6
12	1.0	1.0	2.0	7.6	2.6	7.9	1.8	1.8	1.0	0.8	0.4	0.6
13	1.2	1.0	2.7	4.6	3.3	1.5	1.8	1.2	1.0	0.8	0.4	0.7
14	1.0	0.8	1.2	1.1	3.3	1.4	1.4	1.0	1.0	0.7	0.4	0.7
15	0.8	0.8	1.2	1.1	3.1	2.8	1.8	1.0	0.9	0.7	0.4	0.8
16	0.8	0.8	1.4	1.5	1.0	3.5	1.4	1.0	0.9	0.7	0.4	0.8
17	0.7	1.2	0.4	9.5	3.3	2.8	1.1	1.2	0.8	0.7	0.4	0.8
18	0.7	1.2	0.4	2.0	3.3	3.1	1.2	1.1	0.8	0.7	0.4	0.9
19	0.6	1.2	0.4	2.2	3.3	3.3	1.1	1.1	0.8	0.7	0.5	0.9
20	0.5	2.4	0.4	2.2	2.0	2.7	3.1	1.1	0.9	0.7	0.5	0.9
21	0.4	4.5	0.4	2.2	2.7	2.4	2.0	1.2	0.9	0.7	0.5	0.9
22	0.4	2.4	0.4	2.2	3.3	2.7	2.0	1.2	0.9	0.7	0.5	0.9
23	0.4	1.4	0.6	2.2	3.8	2.7	2.2	1.2	1.0	0.7	0.5	0.9
24	0.4	1.2	0.8	2.2	3.3	2.7	2.9	1.2	1.0	0.7	0.4	0.9
25	1.0	1.0	0.9	3.1	2.4	2.9	1.2	1.2	1.0	0.7	0.4	0.9
26	0.6	1.2	0.8	2.2	1.6	2.9	3.5	1.2	1.0	0.7	0.4	0.9
27	0.6	1.0	0.8	2.2	1.4	2.7	3.5	1.2	1.0	0.7	0.4	0.9
28	0.6	0.8	0.8	2.2	1.6	2.8	2.0	1.2	1.0	0.8	0.4	0.9
29	0.6	0.8	5.3	2.2	2.9	2.4	1.2	1.2	1.0	0.8	0.4	1.0
30	1.2	0.6	2.9	2.2	2.2	1.4	2.7	1.2	1.0	0.8	0.4	1.0
31	1.2	0.6	7.8	2.2	2.2	1.0	1.1	1.1	1.0	0.8	0.4	1.0
23.1 35.7 930.3 4635.9 75.1 3103.2 56.9 50.0 30.8 25.2 15.3 22.8												

MEAN	0.75	1.19	20.0	150.	2.59	100.	1.90	1.61	1.03	0.81	0.49	0.76
ACRE-Feet	46.	71.	1850.	9190.	149.	6160.	113.	99.	61.	50.	30.	45.
Remarks:	YEAR OR PERIOD MEAN 24.6 17870.											

FORM 7, C. Dec. 22, 1949

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. **FD-11**

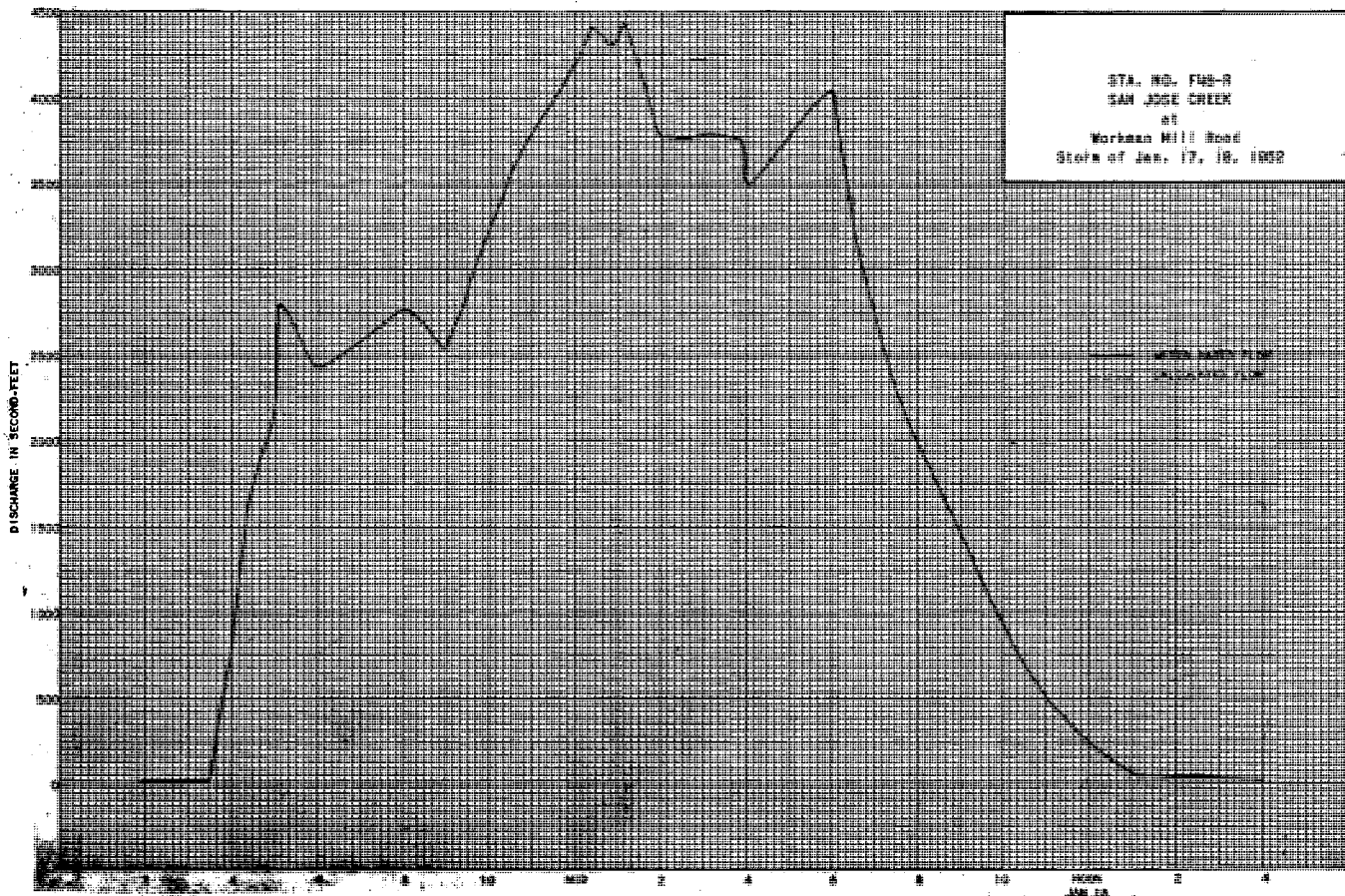
Daily discharge, in second-feet of **SAN JOSE CREEK at Workman Mill Road** for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	b 0.7	1.2	b 1.4	b 1.5	3.5	b 2.1	b 1.7	b 1.4	b 0.8	b 0.4	b 0.1
2	1.0	0.8	1.0	1.4	1.5	1.5	2.1	1.5	1.3	0.8	0.4	0.1
3	1.0	0.8	1.0	1.4	1.5	1.5	2.0	1.3	1.3	0.8	0.3	0.1
4	1.0	1.0	1.0	1.4	1.5	1.5	1.9	1.3	1.3	0.8	0.3	0.1
5	0.9	1.1	1.2	1.4	1.5	1.5	1.8	1.4	1.3	0.8	0.3	0.1
6	0.9	1.1	1.2	1.4	1.5	1.5	1.7	1.4	1.2	0.8	0.3	0.1
7	0.9	1.1	1.2	1.4	1.5	1.5	1.6	1.1	1.1	0.8	0.3	0.1
8	0.9	1.0	1.0	1.3	1.5	1.7	1.5	1.1	1.0	0.8	0.3	0.1
9	0.9	0.9	0.9	1.2	1.6	1.6	1.4	1.1	0.9	0.8	0.3	0.1
10	0.9	0.9	0.9	1.4	1.7	1.5	1.4	1.1	0.8	0.8	0.3	0.1
11	0.8	0.8	0.8	2.2	1.8	1.4	1.4	1.1	0.7	0.7	0.3	0.1
12	0.8	0.7	0.7	3.5	1.8	1.3	1.4	1.1	0.7	0.7	0.3	0.1
13	0.7	b 0.7	0.7	4.7	1.7	1.3	1.3	1.1	0.7	0.6	0.3	0.1
14	0.6	b 0.7	0.7	1.1	1.6	1.4	1.3	1.1	0.8	0.5	0.3	0.2
15	0.6	4.9	0.7	2.7	1.5	1.5	1.3	1.1	0.8	0.4	0.3	0.2
16	0.6	4.9	0.9	1.7	1.5	1.5	1.2	0.8	0.8	0.4	0.3	0.2
17	0.6	5.5	1.1	1.6	1.3	1.7	1.3	1.3	0.9	0.4	0.3	0.2
18	0.6	1.3	1.3	1.5	1.3	1.8	1.3	1.3	0.9	0.4	0.3	0.2
19	0.6	1.0	1.2	1.5	1.3	1.9	1.3	1.4	0.9	0.4	0.3	0.2
20	0.5	1.0	1.2	1.5	1.3	3.9	1.3	1.5	0.9	0.4	0.3	0.2
21	0.5	1.0	5.7	1.5	1.3	2.0	1.8	1.6	0.9	0.4	0.3	0.2
22	0.5	b 1.0	2.0	1.5	b 1.3	1.6	3.1	2.0	0.8	0.4	0.3	0.2
23	0.5	1.3	1.8	1.5	6.7	2.0	0.8	1.6	0.8	0.4	0.3	0.2
24	0.5	b 0.6	1.5	1.4	4.9	2.0	0.8	1.6	0.8	0.4	0.3	0.2
25	0.5	1.4	1.4	1.4	2.2	2.0	0.8	1.6	0.8	0.4	0.3	0.2
26	0.5	0.6	1.3	1.3	1.0	1.8	1.6	1.5	0.8	0.4	0.3	0.2
27	0.6	0.6	1.3	1.3	b 1.8	1.8	2.0	1.5	0.8	0.4	0.3	0.2
28	0.6	0.6	3.0	1.3	1.2	1.9	1.3	1.5	0.8	0.4	0.3	0.2
29	0.6	b 0.6	1.3	1.3	1.9	1.9	b 1.9	1.5	0.8	0.4	0.3	0.2
30	0.6	1.3	3.2	1.3	2.0	2.0	b 1.9	1.5	0.8	0.4	0.3	0.2
31	0.6	1.6	1.3	1.3	2.0	2.0	b 1.4	1.4	0.8	0.4	0.3	0.2
	21.9		217.4		48.6		58.3		27.8		12.5	
		153.7		104.5		62.4		41.8		17.3		7.5

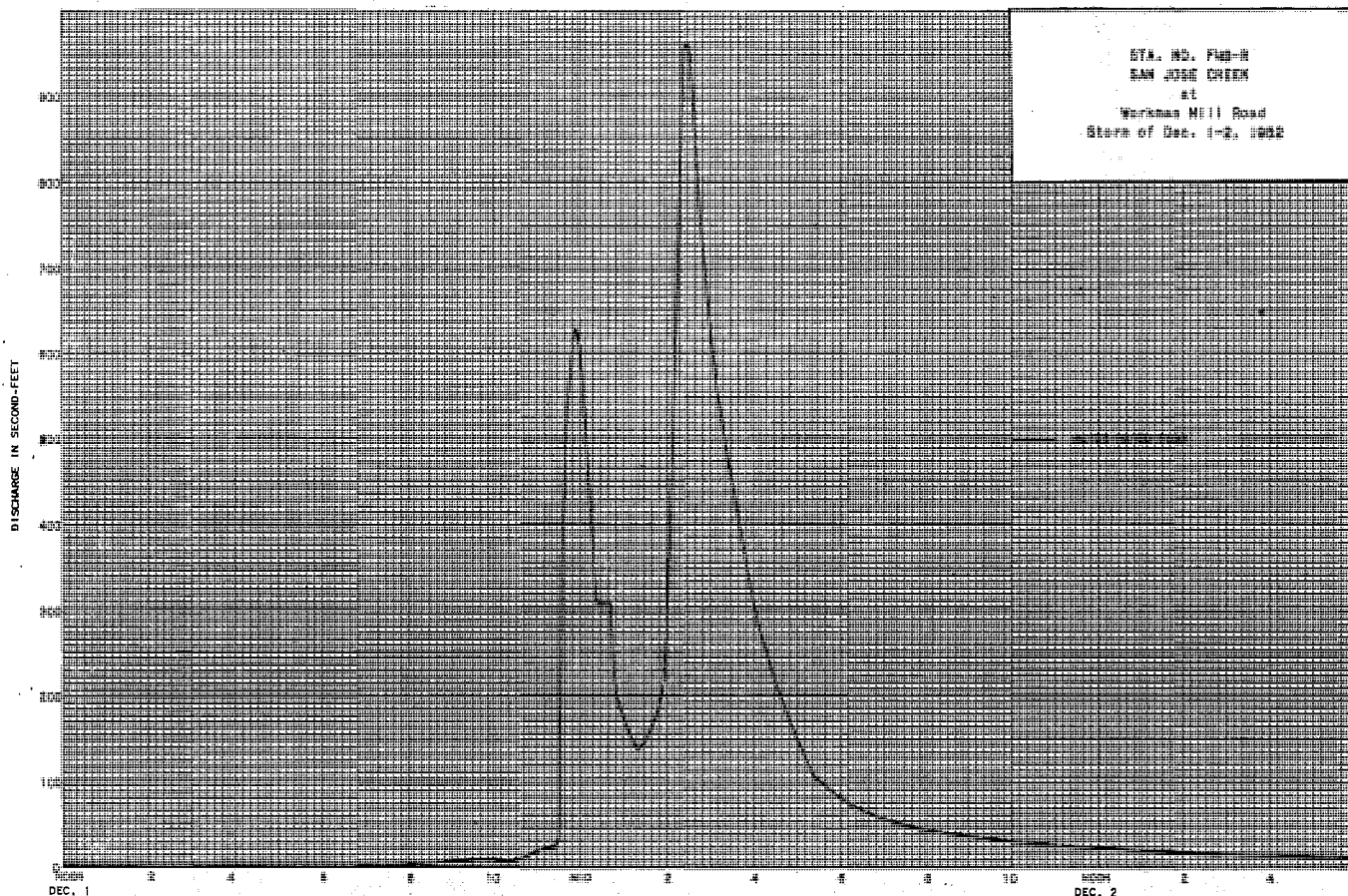
MEAN	0.76	5.12	7.01	3.37	1.74	2.01	1.94	1.35	0.93	0.56	0.40	0.25
PERCENT	43.	305.	431.	207.	96.	124.	116.	83.	55.	34.	25.	15.

Remarks:

YEAR OR PERIOD MEAN ACRES-FEET 2.12 1530.



STA. NO. **FD-11**
SAN JOSE CREEK
at
Workman Mill Road
from Oct. 17, 1952



STATION U4-R
SANTA ANITA CREEK above Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}11'30''$, LONG. $116^{\circ}01'00''$, IN SW 1/4 NE 1/4 SEC. 10, T11N., R11W., AT HEAD OF HERMITS FALLS, 1 MILE UPSTREAM FROM BIG SANTA ANITA DAM AND 4 MILES NORTHEAST OF SIERRA MADRE. ALTITUDE OF GAGE ABOUT 1475 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 10.5 SQUARE MILES.

RECORDS AVAILABLE: JULY 1916 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 37 YEARS, 5.93 SECOND-FEET.

EXTREMES:

1951-52

MAXIMUM 1280 SECOND-FEET JANUARY 16. GAGE HEIGHT 8.15 FEET.

MINIMUM DAILY 0.1 SECOND-FOOT OCTOBER 1 - 24.

1952-53

MAXIMUM 169 SECOND-FEET DECEMBER 1, GAGE HEIGHT 2.94 FEET.

MINIMUM DAILY 0.1 SECOND-FOOT SEPTEMBER 10 - 15.

1916-53

MAXIMUM DISCHARGE, ABOUT 5200 SECOND-FEET MARCH 2, 1938, BASED ON INFLOW TO BIG SANTA ANITA RESERVOIR.

MINIMUM PRACTICALLY NO FLOW AUGUST 18 TO SEPTEMBER 14, 1929.

REMARKS: RECORDS GOOD. NO DIVERSIONS ABOVE STATION.

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

FD-104 Q4 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. 114-R

Daily discharge, in second-feet of SANTA ANITA CREEK above Santa Anita Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.																										
1	1.6	1.7	1.8	5.2	3.1	3.2	2.1	2.6	1.6	0.7	0.5	0.4																										
2	1.5	1.7	1.8	4.8	3.1	3.1	2.1	2.2	1.6	0.6	0.5	0.4																										
3	1.4	1.6	5.7	4.5	3.1	2.8	2.0	2.1	1.4	0.6	0.5	0.4																										
4	1.4	1.5	4.6	4.3	3.1	2.7	2.0	2.0	1.4	0.6	0.5	0.3																										
5	1.4	1.5	4.1	3.9	3.1	2.7	2.0	1.8	1.4	0.5	0.4	0.3																										
6	1.4	1.6	4.1	4.8	3.1	2.7	2.3	1.8	1.5	0.5	0.4	0.3																										
7	1.4	1.7	3.7	1.2	2.9	2.7	2.2	1.9	1.6	0.5	0.4	0.2																										
8	1.4	2.9	3.6	7.6	2.8	2.6	2.1	1.9	1.6	0.4	0.4	0.2																										
9	1.4	2.1	3.6	6.6	2.8	2.6	2.1	1.8	1.5	0.4	0.3	0.2																										
10	1.4	2.0	3.4	5.9	2.8	2.6	2.1	1.8	1.5	0.4	0.4	0.1																										
11	1.3	2.0	3.2	5.5	2.8	2.6	2.0	1.7	1.3	0.4	0.4	0.1																										
12	1.3	1.9	3.2	4.8	2.8	2.6	2.0	1.6	1.3	0.4	0.4	0.1																										
13	1.2	2.0	3.1	5.7	2.8	2.6	2.0	1.5	1.2	0.4	0.4	0.1																										
14	1.2	4.8	2.8	5.7	2.8	2.3	2.0	1.5	1.1	0.4	0.3	0.1																										
15	1.2	1.0	2.8	4.8	2.8	2.3	2.0	1.5	1.2	0.4	0.3	0.1																										
16	1.1	6.5	2.8	4.6	2.7	2.3	2.0	1.8	1.3	0.4	0.3	0.2																										
17	1.1	3.7	2.8	4.3	2.7	2.3	2.1	1.8	1.3	0.5	0.3	0.2																										
18	1.2	2.9	2.8	4.1	2.7	2.3	2.1	1.6	1.4	0.4	0.2	0.3																										
19	1.2	2.8	2.8	4.1	2.4	2.6	2.1	1.6	1.5	0.4	0.2	0.3																										
20	1.2	2.7	1.0	4.1	2.4	2.5	2.5	1.7	1.3	0.4	0.2	0.3																										
21	1.3	2.7	5.2	4.1	2.4	3.2	2.4	1.7	1.1	0.4	0.2	0.3																										
22	1.3	2.7	4.3	3.9	2.4	2.6	2.2	1.6	1.0	0.4	0.2	0.3																										
23	1.3	3.1	3.9	3.7	2.8	2.7	2.2	1.6	0.9	0.4	0.2	0.3																										
24	1.3	2.6	3.6	3.6	2.8	2.6	2.1	1.6	0.9	0.4	0.2	0.3																										
25	1.4	2.6	3.6	3.6	2.7	2.3	2.1	1.6	0.8	0.4	0.2	0.2																										
26	1.4	2.6	3.4	3.6	2.6	2.3	2.0	1.6	0.8	0.4	0.2	0.2																										
27	1.4	2.6	3.4	3.6	2.6	2.3	3.4	1.6	0.8	0.4	0.2	0.2																										
28	1.4	2.4	5.9	3.4	2.6	2.3	3.6	1.8	0.8	0.4	0.2	0.3																										
29	1.4	2.6	4.1	3.4	2.6	2.3	2.7	1.8	0.8	0.4	0.3	0.3																										
30	1.4	2.9	6.5	3.2	2.6	2.3	2.7	1.6	0.8	0.4	0.3	0.3																										
31	1.6	6.8	6.8	3.2	2.6	2.2	2.7	1.6	0.8	0.4	0.3	0.3																										
41-5			155.8		77.7		67.3		36.8		9.3																											
<table border="1"> <tr> <td>MEAN</td> <td>1.34</td> <td>2.82</td> <td>5.03</td> <td>4.73</td> <td>2.70</td> <td>2.68</td> <td>2.24</td> <td>1.75</td> <td>1.23</td> <td>0.44</td> <td>0.32</td> <td>0.23</td> </tr> <tr> <td>NO. OF</td> <td>82</td> <td>168</td> <td>309</td> <td>294</td> <td>154</td> <td>165</td> <td>133</td> <td>108</td> <td>73</td> <td>27</td> <td>20</td> <td>14</td> </tr> </table>													MEAN	1.34	2.82	5.03	4.73	2.70	2.68	2.24	1.75	1.23	0.44	0.32	0.23	NO. OF	82	168	309	294	154	165	133	108	73	27	20	14
MEAN	1.34	2.82	5.03	4.73	2.70	2.68	2.24	1.75	1.23	0.44	0.32	0.23																										
NO. OF	82	168	309	294	154	165	133	108	73	27	20	14																										

Remarks: _____ YEAR OR PERIOD _____ MEAN ACRES-FEET _____ 2.13 1540

STATION FIG8-R
SANTA ANITA CREEK below Santa Anita Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°11'03", LONG. 118°01'07", ON THE LEFT (EAST) WALL OF THE CONCRETE OUTLET CHANNEL IMMEDIATELY BELOW SANTA ANITA DAM. THIS STATION MEASURES LOW FLOWS ONLY. MAJOR VALVE DISCHARGES PASS OVER STATION. ELEVATION OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 10.8 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL WITH FLASHBOARD GATE CONTAINING A V-NOTCH WEIR. THIS STATION RECORDS IRRIGATION RELEASES AND SMALL FLOWS ONLY.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WACING. NO FACILITIES FOR MEASURING OR RECORDING FLOWS OVER TEN SECOND-FOOT.

RECORDER: INSTALLED FEBRUARY 6, 1948 OVER A 24-INCH DIAMETER CONCRETE WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO APRIL 17, 1952. AN H.C.F. RECORDER WAS IN SERVICE FROM APRIL 17, 1952 TO SEPTEMBER 30, 1953.

REGULATION: FLOW ENTIRELY REGULATED BY SANTA ANITA DAM.

DIVERSIONS: NONE.

RECORDS AVAILABLE: FEBRUARY 6, 1948 TO SEPTEMBER 30, 1953. EARLIER RECORDS ARE AVAILABLE FROM DAM OUTFLOW RECORDS AND STATION 119 LOCATED APPROXIMATELY 1/4 MILE DOWNSTREAM.

EXTREMES OF DISCHARGE: SEE REMARKS.

ACCURACY: GOOD.

REMARKS: FLOW RECORDS LIMITED TO 10 SECOND FEET. (SEE CHANNEL AND CONTROL.)

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

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK below Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEEN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. OF MEAS.	NO. OF CHANNELS TOTAL	METER NO.
43	6-19	0900	MOON			1.15	3.6			V NOTCH WEIR		
44	7-10	1212	KASIMOFF	8.8	3.68	0.95		3.5		12 O FC22		
45	7-18	1230	"				1.18	3.7		V NOTCH WEIR		

DISCHARGE MEASUREMENTS OF SANTA ANITA CREEK below Santa Anita Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEEN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. OF MEAS.	NO. OF CHANNELS TOTAL	METER NO.
46	3-18	1310	MOON	6.0	1.65	1.16		2.2	.5	8		FC29
47	3-24	1407	"	6.0	1.95	1.08		2.1	.5	8		"
48	4-2	0840 0950	"	6.0	1.93	1.14		2.2	.5	8		"
49	4-9	0910 0922	"	6.0	1.97	1.12		2.2	.5	8		"
50	4-16	1015 1025	"	5.2	1.71	0.82		1.4	.5	8		"
51	4-29	1015 1025	"	5.5	2.07	1.11		2.3	.5	12		FC48

NO.	DATE	SEEN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. OF MEAS.	NO. OF CHANNELS TOTAL	METER NO.
52	5-7	1300	"	5.8	2.06	1.17		2.4	.6	13		FC48
53	5-14	1300	"	5.8	1.91	1.15		2.2	.5	13		"
54	5-20	1325 1337	WADDICOR	6.0	1.78	1.19		2.1	.6	7		"
55	6-3	1310 1315	MOON	5.5	1.84	1.10		1.8	.5	12		"
56	6-4	1335	"	5.5	1.55	1.09		1.6	.5	12		"
57	6-11	1125	"	5.5	1.53	1.01		1.6	.5	12		"
58	6-17	1427	"	5.5	1.45	0.90		1.3	.5	12		"
59	6-18	1500 1514	"	4.4	1.27	1.10		1.4	.5	11		"
60	7-1	1408 1420	"	4.5	1.28	1.09		1.4	.5	10		"
61	7-16	1330	"	4.5	1.36	1.03		1.4	.5	10		"
62	7-23	1130	"	4.5	1.29	1.01		1.3	.5	10		"
63	7-28	0842 0858	GODFREY	3.5	0.87	1.26		1.1	.6	8		"
64	7-30	1130 1135	"	3.5	0.86	1.28		1.1	.6	8		"
65	7-31	0814 0825	"	3.1	0.65	1.24		0.81	.6	8		"
66	8-20	1030	MOON	3.2	0.77	1.19		0.92	.5	8		"

FD-148 F. C. Dist. 68 8-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1198-B

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.6	0.6	3.6	a 12.5	a 6.2	a 5.2	11.5	a 13.2	3.7	2.5	1.6
2	0.6	0.6	0.6	2.9	11.2	6.2	7.2	8.9	12.8	3.7	2.5	1.6
3	0.6	0.6	0.6	7.6	18.9	11.1	6.1	3.6	12.4	3.6	2.5	1.6
4	0.6	0.6	0.6	3.3	15.2	9.5	5.6	3.6	12.0	3.6	2.5	1.6
5	0.6	0.6	0.6	3.3	15.2	9.5	18.6	3.7	11.5	3.6	2.5	1.6
6	0.6	0.6	0.6	3.3	12.8	4.9	16.9	3.8	6.6	3.6	2.5	1.6
7	0.6	0.6	0.6	3.6	14.6	26.0	3.6	3.8	3.9	3.6	2.5	1.6
8	0.6	0.6	0.6	3.6	17.4	26.0	2.9	3.9	4.1	3.6	2.5	1.6
9	0.6	0.6	0.6	3.6	17.1	2.6	2.4	4.0	4.5	3.6	2.5	1.6
10	0.6	0.6	0.6	3.6	15.4	2.3	2.4	4.0	4.8	3.6	2.5	1.6
11	0.6	0.6	0.6	3.6	15.3	12.3	14.2	4.0	5.0	3.6	2.5	1.6
12	0.6	0.6	5.6	a 3.0	14.8	2.1	1.6	4.0	4.5	3.6	2.5	1.6
13	0.6	0.6	e 12.0	7.6	7.7	2.8	0.9	4.0	3.6	3.6	2.5	1.6
14	0.6	0.6	8.0	6.4	2.5	3.2	5.1	4.0	3.6	3.6	2.5	1.6
15	0.6	0.6	2.1	1.3	2.5	7.0	19.8	4.0	3.6	3.6	2.5	1.6
16	c 0.6	0.6	2.1	3.4	4.9	12.6	13.0	4.1	3.6	3.6	2.5	1.6
17	0.6	0.6	2.1	13.6	5.1	8.5	9.2	4.1	3.6	3.6	2.5	1.6
18	0.6	0.6	2.1	2.1	5.0	5.2	7.0	4.1	a 3.6	3.6	2.5	1.6
19	0.6	0.7	2.1	7.9	5.2	4.3	5.6	4.1	3.6	3.6	2.5	1.6
20	0.6	0.6	2.1	6.4	5.6	4.3	4.1	3.6	3.6	3.6	2.5	1.6
21	0.6	0.6	2.1	4.6	6.0	4.3	7.3	a 2.2	3.7	3.6	2.5	1.6
22	0.6	0.6	2.1	3.5	6.0	4.3	11.0	3.6	3.7	3.6	2.5	1.6
23	c 0.6	0.6	2.1	3.5	6.0	4.3	11.0	2.4	3.7	3.6	2.5	1.6
24	0.6	0.6	2.1	3.2	6.0	4.2	11.1	15.3	3.7	2.5	1.5	1.6
25	0.7	0.6	1.6	3.0	6.0	3.4	11.2	15.3	3.7	2.5	1.5	1.6
26	0.6	0.6	1.3	3.1	6.0	2.8	11.2	15.3	3.7	2.5	1.6	1.6
27	0.6	0.6	1.1	3.1	6.0	2.9	11.3	15.2	3.7	2.5	1.6	1.6
28	0.6	0.6	1.1	3.0	6.1	2.9	11.4	15.0	3.7	2.5	1.6	1.6
29	0.6	0.5	10.9	2.1	a 6.2	2.9	11.4	14.6	3.7	2.5	1.6	1.6
30	0.6	0.5	3.5	1.5		2.9	a 11.5	14.1	3.7	2.5	1.6	1.6
31	0.6		4.0	1.5		2.9	a 13.7			2.5	1.6	1.6
187		18.0	144.2	1442.0	260.4	1046.4	579.9	291.8	161.1	102.3	68.5	48.0

MEAN	0.60	0.60	4.65	46.5	8.97	33.8	19.3	9.41	5.37	3.30	2.21	1.60
ACRE-FOOT	37.	36.	286.	2860.	516.	2080.	1150.	579.	320.	273.	136.	95.

Remarks:

YEAR MEAN 11.4
OR PERIOD ACRE-FOOT 2300.

FD-148 F. C. Dist. 68 8-59

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F1198-B

Daily discharge, in second-feet of SANTA ANITA CREEK below Santa Anita Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.6	0.8	a 3.7	b 4.7	3.2	2.1	2.2	2.3	1.8	1.4	0.8	0.9
2	1.6	0.8	a 2.7	b 4.7	3.2	2.1	2.2	2.3	1.8	1.4	0.8	0.9
3	1.6	0.8	1.9	4.7	3.2	2.1	2.2	2.3	1.7	1.4	0.8	0.9
4	1.6	0.8	1.6	4.7	3.2	2.1	2.2	2.4	1.6	1.4	0.8	0.9
5	1.6	0.8	a 1.2	4.7	3.2	2.1	2.2	2.4	1.6	1.4	0.8	0.9
6	1.6	0.8	4.6	4.7	3.2	2.1	2.2	2.4	1.6	1.4	0.8	0.9
7	1.6	0.8	4.6	11.8	3.2	2.1	2.2	2.4	1.6	1.4	0.9	0.9
8	1.6	0.8	3.8	18.6	3.2	2.1	2.2	2.4	1.6	1.4	0.9	0.9
9	1.6	0.8	3.1	9.9	3.2	2.1	2.2	2.3	1.6	1.4	0.9	0.9
10	1.6	1.2	3.1	3.0	2.4	2.1	2.2	2.3	1.6	1.4	0.9	0.9
11	1.6	1.5	3.1	3.0	2.0	2.1	2.2	2.3	1.6	1.4	0.9	0.9
12	1.6	1.5	3.1	3.0	b 2.0	2.1	2.2	2.3	1.6	1.4	0.9	0.9
13	1.6	1.5	3.1	3.0	2.0	2.1	2.2	2.3	1.6	1.4	0.9	0.9
14	1.3	1.6	3.1	3.0	2.0	2.1	2.2	2.3	1.6	1.4	0.9	0.9
15	0.9	1.6	2.4	10.5	2.0	2.1	2.2	2.2	1.6	1.4	0.9	0.9
16	0.9	1.5	2.0	b 10.6	2.1	2.1	1.4	2.2	1.6	1.4	0.9	0.9
17	0.9	1.5	2.0	3.1	2.1	2.1	1.4	2.2	1.5	1.4	0.9	0.9
18	0.9	2.6	2.0	b 3.1	b 2.1	2.1	1.4	2.1	1.4	1.4	0.9	0.9
19	0.9	3.7	2.0	3.1	2.1	2.1	1.4	2.1	1.4	1.4	0.9	0.9
20	0.8	3.7	b 2.9	3.1	2.1	2.2	1.4	2.1	1.4	1.3	0.9	0.9
21	0.8	3.7	b 3.5	b 3.1	2.1	2.2	1.3	2.1	1.4	1.3	0.9	0.9
22	0.8	3.7	b 3.5	b 3.1	2.1	2.2	1.4	2.1	1.4	1.3	0.9	0.9
23	0.8	3.7	b 3.5	b 3.1	2.1	2.1	1.5	2.1	1.4	1.3	0.9	0.9
24	0.8	3.7	b 2.5	b 3.1	2.1	2.2	2.0	2.0	1.4	1.2	0.9	0.9
25	0.8	3.7	b 2.0	b 3.1	2.1	2.2	2.3	2.0	1.4	1.1	0.9	0.9
26	0.8	3.7	2.0	3.2	2.1	2.2	2.3	2.0	1.4	1.1	0.9	0.9
27	0.8	3.7	2.0	3.2	2.1	2.2	2.3	1.9	1.4	1.1	0.9	0.9
28	0.8	3.7	2.0	b 3.2	b 2.1	2.2	2.3	1.9	1.4	1.1	0.9	0.9
29	0.8	a 12.2	2.0	3.2		2.2	2.3	1.9	1.4	1.1	0.9	0.9
30	0.8	a 24.6	2.0	3.2		2.2	2.3	1.9	1.4	1.1	0.9	0.9
31	0.8	3.0	3.0	3.2		2.2	2.3	1.9	1.4	1.0	0.9	0.9
187	56.2		185.7		68.4		59.8		45.8		27.3	

MEAN	1.17	3.18	5.99	4.89	2.44	2.14	1.99	2.16	1.53	1.30	0.88	0.90
ACRE-FOOT	72.	189.	368.	301.	136.	132.	118.	133.	91.	80.	54.	54.

Remarks:

YEAR MEAN 2.39
OR PERIOD ACRE-FOOT 1730.

FORM F. C. Dist. 88 9-58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2808-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	v 6.2	0	v 5.2	v 3.7	v 2.3	0	0	0	0
2	0	0	0	v 8.3	0.2	3.8	5.2	1.7	0	0	0	0
3	0	0	0	v 0.6	0.1	3.5	4.5	0	0	0	0	0
4	0	0	v 0.3	0	0.9	2.5	4.5	0	0	0	0	0
5	0	0	v 1.0	0	0	1.6	1.4	0	0	0	0	0
6	0	0	0	v 0.2	0	2.4	1.2	0	0	0	0	0
7	0	0	0	v 1.0	0	1.9	3.4	0	v 0.9	0	0	0
8	0	0	0	0	1.6	2.2	2.4	0	v 1.1	0	0	0
9	0	0	0	0	2.2	4.6	1.9	0	v 1.5	0	0	0
10	0	0	0	0	0.8	4.9	2.0	0	0	0	0	0
11	0	0	v 0.4	0	0	3.0	v 9.2	0	0	0	0	0
12	0	0	v 1.1	v 2.6	+	4.4	0	0	0	0	0	0
13	0	0	0	5.0	0	7.7	0	0	0	0	0	0
14	0	0	0	3.9	0	1.4	v 2.1	0	0	0	0	0
15	0	0	0	2.0	0	7.2	1.5	0	0	0	0	0
16	0	0	0	3.1	0	11.7	6.7	0	0	0	0	0
17	0	0	0	13.2	0	7.1	0.3	0	0	0	0	0
18	0	0	0	2.19	0	4.3	0.8	0	0	0	0	0
19	0	v 2.2	0	7.1	+	3.5	2.3	0	0	0	0	0
20	0	v 1.5	0	5.5	0.1	3.6	0	0	0	0	0	0
21	0	0	0	2.6	0.4	3.6	0.3	v 3.5	0	0	0	0
22	0	0	0	1.8	0.5	3.6	0.3	5.0	0	0	0	0
23	0	0	0	1.7	0.5	3.5	0.1	3.3	0	0	0	0
24	0	0	0	1.4	0.2	3.5	0.3	1.9	0	0	0	0
25	v 0.5	0	0	1.5	0.2	2.4	1.6	2.2	0	0	0	0
26	0	0	0	1.3	0.3	1.7	1.2	2.7	0	0	0	0
27	0	0	0	1.1	0.2	1.7	1.6	0.9	0	0	0	0
28	0	0	0	1.2	0.2	1.9	2.0	1.0	0	0	0	0
29	0	0	v 3.3	7.2	8.4	1.7	2.0	0.8	0	0	0	0
30	0	0	v 3.7	4.1	8.4	1.8	v 2.3	0.6	0	0	0	0
31	0	0	0	3.5	8.4	1.8	0.1	0	0	0	0	0
	0.5	3.7		1150.1		724.8		26.0		0	0	0
			9.8		16.7		350.1		3.5			
MEAN	.016	0.12	0.32	37.1	0.58	23.4	11.7	0.34	0.12	0	0	0
ACRE- FEET	1.0	7.3	19.	2280.	33.	1440.	694.	52.	6.9	0	0	0

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

YEAR OR PERIOD MEAN 6.24
ACRE-FEET 4530.

FORM C 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F2808-R

Daily discharge, in second-feet of SANTA ANITA WASH at Foothill Boulevard for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	v 1.4	0	0	0	0	0	0	0	0	0
2	0	0	v 5.7	0	0	0	0	0	0	0	0	0
3	0	0	v 2.5	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	v 3.7	0	0	0	0	0	0	0	0
8	0	0	0	v 0.8	0	0	0	0	0	0	0	0
9	0	0	0	v 0.8	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	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	v 4.4	0	0	0	0	0	0	0	0	0	0
15	0	v 9.2	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	v 1.9	0	0	0	0	0	0
20	0	0	0	4.3	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	v 1.4	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	3.2	0	0	0	0	0	0	0	0
29	0	v 1.9	0	0	0	0	0	0	0	0	0	0
30	0	v 1.2	0	3.0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
			32.7		0		0	0	0	0	0	0
				18.0		5.3		1.9				
MEAN	0	0.60	1.05	0.17	0	0.06	0	0	0	0	0	0
ACRE- FEET	0	36.	65.	11	0	3.8	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN 0.16
ACRE-FEET 116.

STATION F93-R
SANTA CLARA RIVER above Lang R.R. Station

LOCATION: WATER-STAGE RECORDER, LAT. 34°25'59"; LONG. 118°21'41", ON THE RIGHT (NORTH) BANK ABOUT 0.7 MILE ABOVE LANG R.R. STATION. ELEVATION OF ZERO GAGE HEIGHT, ABOUT 1735 FEET.

DRAINAGE AREA: 157.3 SQUARE MILES.

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

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 5 FEET BELOW THE STATION.

RECORDER: INSTALLED OCTOBER 18, 1949 OVER AN 18-INCH CORRUGATED IRON PIPE STILLING WELL. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: THERE ARE DIVERSIONS FOR IRRIGATION.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 18, 1949 TO SEPTEMBER 30, 1953. STREAM FLOW MEASUREMENTS FROM NOVEMBER 1929.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 4200 SECOND-FOOT JANUARY 16.
MINIMUM 0.5 SECOND-FOOT AT TIMES DURING NOVEMBER.
1952-53
MAXIMUM 39 SECOND-FOOT NOVEMBER 15.
MINIMUM 1.2 SECOND-FOOT SOME DAYS IN AUGUST AND SEPTEMBER.
1950-53
MAXIMUM 4200 SECOND-FOOT JANUARY 16, 1952.
MINIMUM 0.2 SECOND-FOOT VARIOUS TIMES IN 1950-51.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER
above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOOT/SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	W. INT. DISCHARGE TOTAL	METER NO.
106	10-4	1142 1150	LUCE	3.4	1.10	1.27	3.28	1.4	.6	B	0	FC41
107	10-11	0880 0888	"	3.5	1.21	1.24	3.30	1.5	.6	B	0	"
108	10-18	1420 1428	"	3.5	1.05	0.90	3.21	0.94	.6	B	0	"
109	10-25	1435 1445	"	4.0	1.28	0.78	3.27	1.0	.6	B	0	"
110	11-1	1505 1510	"	3.7	1.13	0.82	3.25	0.93	.6	9	0	"
111	11-6	1555 1555	"	3.3	0.86	1.12	3.15	0.96	.6	B	0	"
112	11-15	1008 1012	THUMAS	3.0	0.82	1.19	3.06	0.74	.5	B	0	FC42
113	11-20	0820 0828	LUCE	3.3	0.89	1.07	3.05	0.74	.6	B	0	FC41
114	11-28	1455 1470	THUMAS	3.2	0.67	1.06	2.95	0.71	.5	B	0	FC42
115	12-6	1225 1225	"	3.6	0.71	0.96	2.92	0.68	.5	B	0	"
116	12-13	1043 1058	"	3.6	0.88	1.03	2.94	0.91	.5	B	0	"
117	12-20	0945 0955	"	3.6	0.70	1.14	2.90	0.80	.5	B	0	"
118	12-27	1045 1050	LUCE	3.2	0.69	1.09	2.95	0.75	.8	B	0	FC41
119	1-2	1320 1320	"	3.7	0.87	1.09	2.87	0.95	.6	9	0	FC39
120	1-10	1310 1328	LANG	3.3	0.76	1.24	2.88	0.94	.5	11	0	FC12
121	1-13	0810 0810	LUCE-BLAKE	11.0	15.9	1.59	3.62	25.1	.6	10	-02	FC39
122	1-18	0840 0860	"	35.0	82.5	11.0	4.21	907.		FLOATS	9	-01
123	1-18	0810 0810	"	35.0	77.2	11.0	4.10	849.		FLOATS	9	-21
124	1-18	1005 1005	"	34.0	77.4	11.7	4.11	906.		FLOATS	9	-04
125	1-23	1040 1050	"	28.0	12.4	3.64	3.75	45.1	.6	14	0	FC39
126	2-14	1800 1810	LUCE	17.2	5.01	2.24	4.09	11.2	.6	13	0	"
127	2-28	1030 1030	"	7.6	2.86	3.08	4.31	8.6	.6	10	-02	"
151	8-7	0845 0855	LUCE	5.0	2.25	1.20	3.45	2.7	.6	7	0	FC41
152	8-14	1130 1140	"	6.9	2.14	0.89	3.43	1.9	.6	9	0	"
153	8-21	1055 1055	"	7.0	2.01	0.95	3.44	1.9	.6	8	0	"
154	8-27	1400 1470	"	7.1	1.96	0.72	3.39	1.2	.6	9	0	"
155	9-4	0908 0912	LUCE-HIDE	5.8	1.36	1.18	3.37	1.6	.6	8	0	"
156	9-11	1515 1525	LUCE	5.2	1.23	1.06	3.36	1.3	.6	7	0	"
157	9-18	1528 1528	THUMAS	5.6	1.39	1.15	3.32	1.6	.5	7	0	FC42
158	9-25	1010 1020	LUCE	5.8	1.32	1.14	3.32	1.5	.6	7	0	FC41
128	3-6	1345 1355	"	8.5	4.07	2.31	4.25	9.4	.6	11	0	"
129	3-7	1145 1205	LUCE-BLAKE	34.0	42.8	6.96	4.72	296.	.6	9	0	FC41
130	3-13	0955 0970	LUCE	37.5	14.4	3.39	4.02	48.6	.6	18	0	"
131	3-15	1725 1725	LUCE-BLAKE	36.0	75.3	10.5	4.64	791.	.6	9	-08	"
132	3-15	1725 1725	"	96.0	87.4	12.5	4.58	1090.	.6	9	-08	"
133	3-18	1315 1325	LUCE	50.0	32.9	5.14	4.01	169.	.6	15	-02	"
134	3-27	1045 1055	"	25.0	15.3	4.78	3.74	73.2	.6	14	0	"
135	4-4	1340 1340	"	23.6	11.0	3.47	3.73	38.2	.6	14	0	"
136	4-8	1005 1015	"	23.6	12.2	3.96	3.73	46.4	.6	13	0	"
137	4-17	1400 1415	"	24.5	9.61	3.20	3.65	30.8	.6	13	0	"
138	4-24	1205 1220	"	25.0	9.17	3.36	3.64	30.8	.6	12	0	"
139	5-8	1630 1630	"	23.0	8.04	2.29	4.40	18.4	.6	10	0	"
140	5-15	1515 1515	"	15.0	5.38	2.68	4.44	14.4	.6	13	-04	"
141	5-22	1430 1440	"	10.4	4.33	2.72	4.02	11.8	.6	9	0	"
142	6-5	1505 1515	"	7.5	3.30	2.24	3.45	7.4	.6	9	0	"
143	6-12	1820 1830	"	8.0	3.42	1.96	3.36	6.7	.6	9	0	"
144	6-19	1545 1545	"	6.1	2.75	1.53	3.33	4.2	.6	8	0	FC28
145	6-26	1005 1015	THUMAS	9.3	3.81	1.88	3.41	5.9	.6	8	0	FC42
146	7-4	1800 1810	LUCE	5.4	2.26	1.37	3.36	3.1	.6	8	0	FC41
147	7-10	1350 1370	"	4.5	2.46	1.22	3.40	3.0	.6	8	0	"
148	7-16	1515 1515	THUMAS	8.7	3.74	0.75	3.46	2.8	.5	10	0	FC42
149	7-23	1645 1655	"	8.7	3.62	0.70	3.49	2.8	.6	10	0	"
150	7-31	0911 0925	"	8.8	3.84	0.90	3.50	3.2	.5	11	0	"

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER

above Lang R.R. Station DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. DISCH.	HT. CHARGE	METER NO.	
159	10-2	1140	LUCE	4.8	1.22	1.15	3.32	1.4	.6	7	0	FC41
160	10-9	1085	"	5.2	1.36	1.10	3.32	1.5	.6	7	0	"
161	10-16	0876	"	4.8	1.12	1.25	3.33	1.4	.6	10	0	"
162	10-23	1180	"	5.1	1.26	1.51	3.31	1.9	.6	7	0	"
163	10-30	1580	"	3.5	1.00	1.90	3.34	1.9	.6	7	0	"
164	11-6	1555	"	2.8	1.09	1.38	3.37	1.5	.6	7	0	"
165	11-13	0840	THOMAS-HYDE	3.9	1.36	1.18	3.43	1.6	.6	7	+0.1	FC42
166	11-20	0846	HYDE	13.5	3.19	1.06	3.54	3.4	.5	10	+0.1	FC35
167	11-26	1400	THOMAS	10.1	3.45	1.16	3.55	4.0	.5	9	0	FC42
168	12-4	1580	"	13.2	3.91	1.28	3.69	5.0	.5	11	0	"
169	12-12	1075	LUCE	7.5	2.59	1.58	3.62	4.1	.5	9	0	FC41
170	12-18	0885	"	6.0	2.12	2.12	3.58	4.5	.6	6	0	"
171	12-26	1080	"	7.2	2.67	1.57	3.66	4.2	.6	9	0	"
172	1-8	0885	"	8.0	2.77	1.99	3.60	5.5	.6	9	0	"
173	1-15	1040	"	8.0	2.80	2.00	3.60	5.6	.6	7	0	"
174	1-22	1075	"	8.0	2.96	1.52	3.58	4.5	.6	9	0	"
175	1-30	0810	TURNER-LUCE	7.4	2.82	1.70	3.58	4.8	.6	7	0	"
176	2-4	1548	TURNER	7.5	2.75	1.75	3.57	4.8	.6	9	0	FC43
177	2-11	1436	"	7.4	2.82	1.88	3.58	5.3	.6	9	0	"
178	2-18	1523	"	7.0	2.76	1.85	3.58	5.1	.6	8	0	"
179	2-25	1615	"	7.0	3.06	1.67	3.62	5.1	.6	8	0	"
180	3-4	1615	"	7.2	2.91	1.44	3.60	4.2	.6	8	0	"
181	3-13	1580	"	7.0	3.04	1.48	3.62	4.5	.6	8	0	"
182	3-18	1530	"	6.8	3.11	1.45	3.61	4.5	.6	8	0	"
183	3-25	1530	"	6.8	3.12	1.31	3.61	4.1	.6	8	0	"

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. DISCH.	HT. CHARGE	METER NO.	
184	4-1	1480	"	6.0	3.02	1.36	3.62	4.0	.6	7	0	"
185	4-8	1800	"	6.0	3.29	1.28	3.65	4.2	.6	7	0	"
186	4-16	1615	"	6.0	3.36	1.16	3.68	3.9	.6	7	0	"
187	4-22	1517	"	6.5	3.53	1.08	3.68	3.8	.6	8	0	"
188	4-29	1610	"	7.0	3.78	0.95	3.71	3.6	.6	8	0	"
189	5-8	1550	"	6.0	3.32	0.78	3.70	2.6	.6	7	0	"
190	5-14	0930	"	7.0	4.10	0.63	3.72	2.6	.6	8	0	"
191	5-21	0915	"	5.2	2.20	1.18	3.70	2.6	.6	8	0	"
192	5-28	1425	"	4.8	2.10	1.10	3.71	2.3	.6	7	0	"
193	6-3	0800	"	5.4	2.66	1.02	3.74	2.7	.6	8	+0.05	"
194	6-12	0800	"	5.3	2.53	0.95	3.74	2.4	.6	8	0	"
195	6-18	1085	"	5.3	2.50	0.92	3.74	2.3	.6	8	0	"
196	6-25	0900	"	5.3	2.36	0.89	3.72	2.1	.6	8	0	"
197	7-2	0900	"	5.3	1.97	1.01	3.64	2.0	.6	8	0	"
198	7-9	0845	"	5.3	1.76	0.97	3.62	1.7	.6	8	0	"
199	7-16	1449	"	5.3	1.52	1.05	3.58	1.6	.6	8	0	"
200	7-22	1001	DE MARS-TURNER	5.3	1.99	1.07	3.60	1.6	.5	8	0	"
201	7-30	0855	TURNER	5.3	1.51	1.06	3.60	1.6	.6	8	0	"
202	8-5	1429	"	5.3	1.49	1.01	3.59	1.5	.6	8	0	"
203	8-13	0810	"	5.3	1.88	0.74	3.65	1.4	.6	8	0	"
204	8-19	0855	"	5.3	2.15	0.70	3.69	1.5	.6	8	0	"
205	8-27	1342	"	5.3	2.45	0.57	3.73	1.4	.6	8	0	"
206	9-2	0850	HYDE	6.2	2.94	0.51	3.79	1.5	.5	9	+0.02	FC24
207	9-10	0810	"	6.3	3.06	0.42	3.80	1.3	.5	10	0	FC35
208	9-17	0880	"	6.0	3.11	0.38	3.83	1.2	.6	8	0	"
209	9-25	0831	TURNER	6.0	2.01	0.85	3.59	1.7	.6	8	0	FC43

TSDM P. C. Div. 22 P. 58

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER near Lang Station for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	0.9	0.8	1.0	5.6	1.6	4.4	2.0	7.4	3.8	5.6	1.6
2	1.4	0.9	0.7	0.9	9.2	1.6	3.8	2.0	7.4	3.8	5.6	1.6
3	1.4	1.0	0.8	0.9	15	1.6	3.8	1.8	7.4	2.0	3.8	1.6
4	1.4	1.0	0.8	0.9	13	1.5	3.8	1.8	7.4	3.8	3.8	1.6
5	1.6	1.0	0.8	0.9	13	1.3	4.4	1.8	7.4	2.0	2.0	1.6
6	1.6	1.0	0.8	0.9	11	1.1	4.4	1.8	7.4	2.0	2.0	1.6
7	1.6	1.0	0.7	1.0	9.2	2.1	5.0	1.8	7.4	2.0	1.6	1.6
8	1.4	1.0	0.7	0.9	7.4	7.9	5.0	1.8	7.4	2.0	0.9	1.4
9	1.4	1.0	0.7	0.9	7.4	6.2	5.0	1.8	7.4	1.8	0.9	1.4
10	1.6	0.9	0.6	0.9	7.4	8.0	4.4	1.6	6.9	2.0	0.9	1.2
11	1.4	0.8	0.8	0.9	9.2	10.4	3.8	1.6	6.8	2.0	1.4	1.2
12	1.2	0.8	1.4	3.5	9.2	9.8	3.8	2.0	6.7	2.0	1.4	1.4
13	1.0	0.8	0.9	13.0	9.2	9.8	3.8	2.0	6.4	2.0	1.8	1.6
14	1.0	0.8	0.9	11	11	5.6	3.2	2.0	6.4	2.0	3.8	1.6
15	1.0	0.8	0.8	2.1	15	2.6	3.2	2.0	6.0	2.0	3.8	1.6
16	1.0	0.6	0.9	10.8	13	4.5	3.2	1.5	5.6	1.6	3.8	1.6
17	0.9	0.7	0.9	8.35	15	5.85	3.2	1.1	5.2	1.6	3.8	1.6
18	0.9	0.7	0.8	12.80	15	3.98	3.1	1.1	4.9	1.6	2.0	1.6
19	0.9	0.8	0.9	5.95	16	1.94	3.1	1.3	4.5	1.8	2.0	1.6
20	0.8	0.9	0.8	5.95	16	1.34	3.1	1.3	3.8	1.6	3.8	1.8
21	0.8	0.9	0.8	2.98	16	1.22	3.1	1.3	3.8	1.6	3.8	1.6
22	0.7	0.7	0.9	3.6	1.8	1.16	3.1	1.1	2.0	1.8	2.0	1.6
23	0.6	0.7	0.9	7.4	1.8	1.10	3.1	1.1	2.0	1.8	1.8	1.2
24	0.6	0.5	0.8	3.8	5.6	8.0	3.1	1.1	2.0	2.0	1.8	1.2
25	1.7	0.5	0.7	3.8	5.6	8.0	3.1	1.1	3.8	2.0	1.4	1.2
26	1.0	0.6	0.8	3.2	7.4	8.0	4.4	1.1	5.6	3.8	1.2	1.2
27	1.0	0.6	0.7	3.2	7.4	7.4	2.6	1.1	3.8	3.8	1.2	1.2
28	1.0	0.7	0.8	2.0	7.4	8.0	2.6	1.1	3.8	3.8	1.0	1.0
29	1.2	0.7	1.0	1.8	11	6.8	2.0	1.1	5.6	3.8	1.0	1.2
30	1.2	0.7	1.6	1.6	1.6	5.6	2.0	1.1	3.8	3.8	1.0	1.2
31	1.0		1.2	1.5	1.5	5.0	2.0	9.2	3.8	3.8	1.0	1.2
33.77 23.8 26.7 4854.7 318.4 357.5 1066 451.4 164.3 77.2 69.5 43.2												

MEAN	1.15	0.79	0.86	157.	11.0	115.	35.5	14.6	5.48	2.49	2.24	1.44
ACRE-FOOT	71.	47.	53.	9630.	632.	7090.	2110.	995.	326.	153.	138.	86.
Remarks:												
YEAR OR PERIOD	MEAN 29.3 21230.											

Form C-12-53

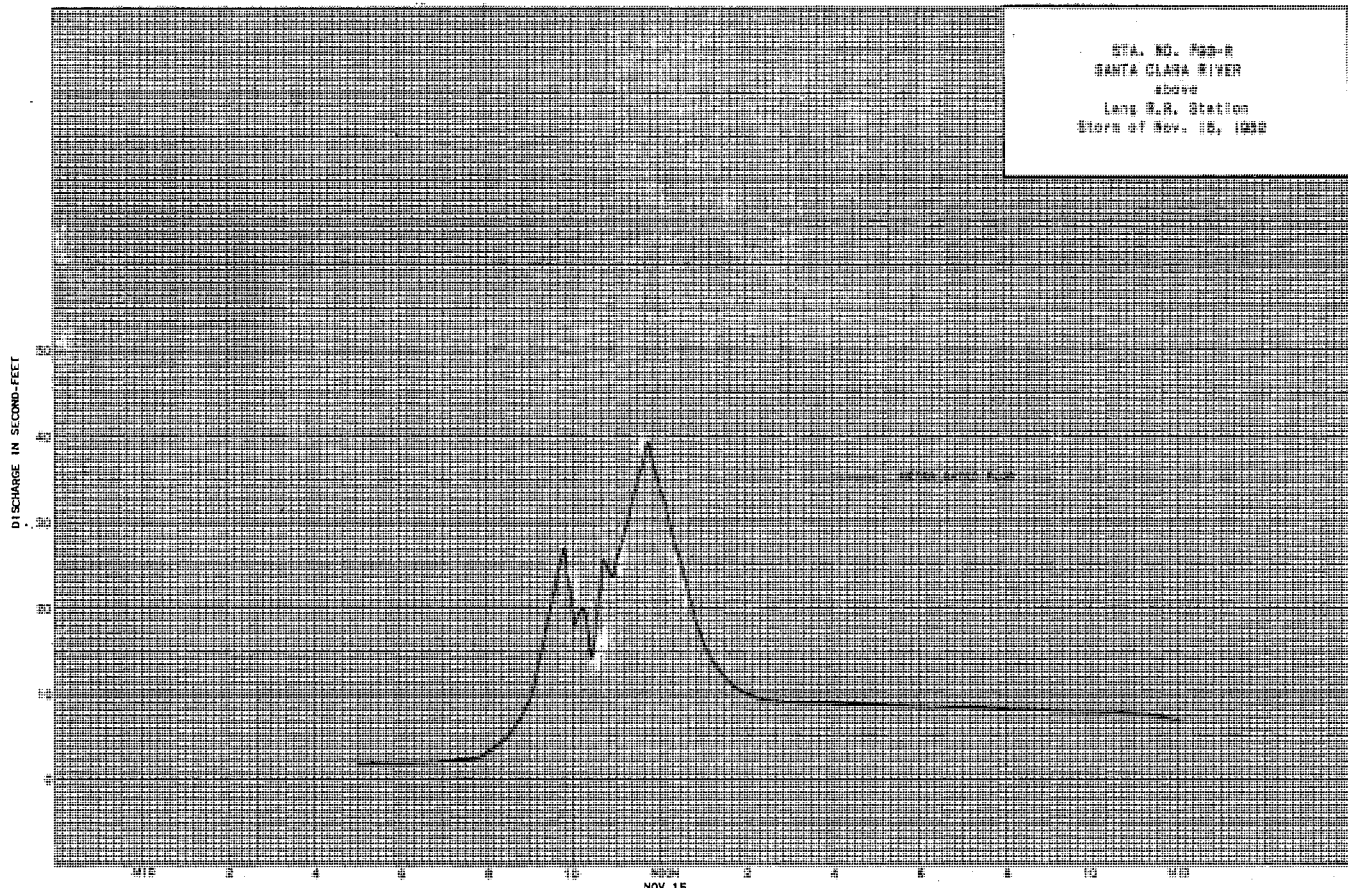
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F93-R

Daily discharge, in second-feet of SANTA CLARA RIVER above Lang R.R. Station for the year ending September 30, 1953.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.5	5.8	4.5	4.5	4.5	4.2	3.6	2.5	1.9	1.5	1.4
2	1.4	1.7	8.2	4.5	4.8	4.3	4.2	3.5	2.6	2.0	1.5	1.5
3	1.4	1.6	5.6	4.5	4.8	4.3	4.2	3.0	2.6	1.9	1.4	1.4
4	1.5	1.6	5.2	4.8	5.0	4.3	4.2	3.3	2.6	1.9	1.4	1.4
5	1.5	1.5	6.0	5.0	5.0	4.5	4.3	3.3	2.6	2.0	1.5	1.4
6	1.5	1.5	7.0	5.2	5.2	4.5	4.3	3.0	2.5	1.9	1.5	1.4
7	1.5	1.5	6.8	5.5	5.5	4.5	4.2	3.0	2.5	1.9	1.4	1.4
8	1.5	1.5	5.5	5.5	5.5	4.5	4.2	2.7	2.5	1.7	1.4	1.4
9	1.5	1.5	5.5	5.5	5.5	4.5	4.2	2.8	2.5	1.7	1.3	1.3
10	1.5	1.5	4.5	5.3	5.3	4.5	4.2	2.8	2.5	1.7	1.3	1.3
11	1.4	1.5	4.3	5.2	5.2	4.5	4.2	2.8	2.5	1.6	1.3	1.4
12	1.4	1.6	4.2	5.2	5.2	4.5	4.2	3.1	2.5	1.6	1.3	1.3
13	1.4	1.6	4.0	5.2	5.2	4.5	4.2	2.7	2.5	1.6	1.4	1.3
14	1.4	1.6	4.0	5.5	5.5	4.3	4.2	2.6	2.2	1.6	1.4	1.3
15	1.3	9.0	4.2	5.5	5.5	4.3	4.2	2.6	2.2	1.6	1.4	1.5
16	1.3	4.8	4.3	5.2	5.2	4.5	4.2	2.6	2.3	1.6	1.4	1.2
17	1.3	3.3	4.5	5.0	5.0	4.5	4.0	2.8	2.2	1.6	1.4	1.2
18	1.3	3.1	4.5	5.0	5.0	4.5	3.9	2.7	2.2	1.6	1.4	1.2
19	1.4	3.1	4.5	4.8	4.8	4.5	3.8	2.7	2.2	1.6	1.4	1.4
20	1.4	3.5	7.5	4.8	4.8	4.5	3.8	2.7	2.2	1.6	1.4	1.4
21	1.6	5.8	4.5	4.5	5.0	4.5	3.6	2.6	2.1	1.6	1.4	1.5
22	1.6	4.2	4.5	4.5	5.0	4.5	3.6	2.5	2.1	1.6	1.4	1.6
23	1.6	4.2	4.5	4.5	5.0	4.5	3.6	2.5	2.1	1.6	1.4	1.6
24	1.6	4.2	4.5	4.5	5.0	4.5	3.6	2.5	2.1	1.6	1.4	1.6
25	1.6	4.2	4.3	4.5	5.0	4.5	3.6	2.5	2.1	1.6	1.4	1.7
26	1.6	4.0	4.2	4.5	5.0	4.5	3.3	2.0	2.0	1.6	1.4	1.6
27	1.6	4.0	4.2	4.5	5.0	4.5	3.3	2.0	2.0	1.6	1.4	1.6
28	1.6	3.8	4.8	4.5	4.5	4.5	4.3	2.0	2.0	1.5	1.4	1.6
29	1.6	3.8	4.5	4.5	4.5	4.5	3.8	2.0	2.0	1.5	1.4	1.6
30	2.0	4.2	5.4	4.5	4.5	4.4	4.0	2.3	1.5	1.4	1.4	1.4
31	2.0		5.0	4.5	4.5	4.2	4.0	2.3		1.4	1.4	
	48.8		158.0		142.0		119.6		67.6		43.4	
		89.5		151.4		136.7		83.3		51.6		42.7
MEAN	1.57	2.98	5.10	4.88	5.07	4.41	3.99	2.69	2.25	1.66	1.40	1.42
ACRE- FEET	97.	178.	313.	300.	282.	271.	237.	165.	134.	102.	86.	85.

Remarks: YEAR OR PERIOD MEAN 3.11 ACRE-FEET 2250.



FD-714 (b) 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F92B-R

Daily discharge, in second-feet of SANTA CLARA RIVER at Highway 99 for the year ending September 30, 1953												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.4	4.3	0.2	0.2	0.2	0.2	0.1	0.2	0.5	1.0	0.1
2	0.7	0.4	6.5	0.2	0.2	0.2	0.5	0.1	0.2	0.5	0.9	0.1
3	0.7	0.3	0.2	0.2	0.2	0.2	0.4	0.1	1.1	0.5	1.0	0.1
4	0.7	0.3	0.2	0.2	0.2	0.2	0.8	0.2	1.4	0.8	0.8	0.1
5	0.7	0.3	0.2	0.1	0.2	0.2	1.0	0.1	1.2	0.7	1.3	0.1
6	0.7	0.3	0.2	0.1	0.2	0.2	0.5	0.1	1.3	0.9	1.3	0.1
7	0.7	0.3	0.2	0.1	0.2	0.2	0.6	0.1	1.2	0.9	1.1	0.1
8	0.7	0.3	0.3	0.1	0.2	0.2	0.6	0.1	1.2	0.8	1.1	0.1
9	0.7	0.3	0.3	0.1	0.2	0.2	0.8	0.1	1.1	0.7	0.9	0.6
10	0.7	0.2	0.3	0.1	0.2	0.4	0.8	0.2	1.1	0.7	0.8	0.7
11	0.6	0.2	0.3	0.1	0.2	0.4	1.0	0.1	1.1	0.8	0.8	0.8
12	0.6	0.2	0.3	0.1	0.2	0.4	0.8	0.1	1.1	0.8	0.8	0.4
13	0.6	0.2	0.3	0.2	0.2	0.6	0.6	0.2	1.1	0.8	0.4	0.3
14	0.6	0.2	0.2	0.1	0.2	0.6	0.8	0.1	1.1	0.7	0.6	0.7
15	0.6	3.0	0.2	0.1	0.2	0.8	0.2	0.1	1.0	0.8	0.4	0.8
16	0.6	0.2	0.2	0.1	0.2	0.6	0.4	0.1	1.3	0.6	0.4	1.2
17	0.6	0.3	0.1	0.1	0.2	0.4	1.0	0.1	1.2	0.5	0.3	1.0
18	0.6	0.3	0.1	0.1	0.2	0.4	1.0	0.4	1.3	0.8	0.6	0.6
19	0.6	0.3	0.1	0.1	0.2	0.2	0.8	1.5	1.2	0.8	0.8	0.3
20	0.6	0.3	2.7	0.1	0.2	0.2	0.8	1.5	1.1	0.8	1.1	0.1
21	0.6	0.3	0.2	0.1	0.2	0.2	0.4	1.0	1.0	1.1	0.8	0.2
22	0.6	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.9	1.3	0.4	0.2
23	0.6	0.2	0.2	0.1	0.4	0.2	0.4	0.1	1.1	1.3	0.6	0.4
24	0.6	0.2	0.2	0.1	0.2	0.6	0.6	0.8	1.3	1.0	0.8	0.3
25	0.5	0.1	0.2	0.1	0.2	0.6	0.4	1.2	1.3	0.8	0.8	0.2
26	0.5	0.1	0.2	0.2	0.6	1.0	1.0	1.2	1.3	0.7	1.3	0.1
27	0.5	0.1	0.2	0.2	0.2	0.4	1.2	6.0	1.1	0.6	1.1	0.1
28	0.4	0.1	1.0	0.2	0.2	0.2	0.2	0.8	0.9	0.6	1.1	0.2
29	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.8	0.8	0.8	0.9	0.2
30	0.4	1.6	5.4	0.2	0.2	0.4	0.1	0.8	0.6	1.1	0.4	0.6
31	0.4	0.2	0.2	0.2	0.2	0.6	0.2	0.2	1.3	0.4	0.1	0.1
18.5	38.4		88.4		6.2		18.4		31.8		24.7	
MEAN	0.60	1.28	2.85	0.23	0.22	0.37	0.61	0.59	1.06	0.82	0.80	0.36
ACRE-FOOT	37.	76.	175.	14.	12.	23.	36.	36.	63.	49.	50.	21.
Remarks:												
	YEAR	OR	PERIOD	MEAN	ACRE-FOOT	0.83	592.					

STATION F137-R
SANTA CLARA RIVER 1/2 mile West of County Line

LOCATION: WATER-STAGE RECORDER, LAT. 34°24'35", LONG. 118°41'54", ON THE LEFT (SOUTH) BANK OF THE SANTA CLARA RIVER CHANNEL, 0.5 MILE WEST OF THE LOS ANGELES-VENTURA COUNTY LINE, AND ABOUT 6 MILES WEST OF CASTAIC JUNCTION AS MEASURED ALONG STATE HIGHWAY NO. 126.

DRAINAGE AREA: 643.7 SQUARE MILES.

CHANNEL CONTROL: CHANNEL - SAND AND GRAVEL UNDERLAID WITH A BLUE SHALE WHICH LIMITS CUTTING TO ABOUT 1 FOOT BELOW PRESENT BOTTOM (JANUARY 6, 1950).

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING.

RECORDER: INSTALLED OCTOBER 4, 1948 OVER A 24-INCH CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: PARTIALLY REGULATED BY BOUQUET CANYON AND DRY CANYON RESERVOIRS. FLOWS OCCASIONALLY ORIGINATE FROM LOS ANGELES CITY AQUEDUCT BLOWOFF AT SANTA CLARA RIVER CROSSING.

DIVERSIONS: SOME FLOW DIVERTED FOR IRRIGATION NEAR LANG, NEWHALL LAND AND FARMING COMPANY WELL LOCATED IN THE CHANNEL, IN EFFECT, CONSTITUTES A VERY EXTENSIVE DIVERSION OF THIS RISING WATER FLOW.

RECORDS AVAILABLE: RECORDER RECORDS AVAILABLE FROM OCTOBER 4, 1948 TO SEPTEMBER 30, 1953. SOME WEEKLY STREAM MEASUREMENTS MADE PRIOR TO OCTOBER 4, 1948.

EXTREMES OF DISCHARGE:

- 1951-52
 - MAXIMUM NOT DETERMINED.
 - MINIMUM 0.7 SECOND-FOOT AT TIMES IN OCTOBER AND NOVEMBER.
- 1952-53
 - MAXIMUM NOT DETERMINED.
 - MINIMUM 1.0 SECOND-FOOT IN SEPTEMBER.
- 1948-53
 - MAXIMUM NOT DETERMINED.
 - MINIMUM 0.6 SECOND-FOOT, VARIOUS TIMES IN 1951.

ACCURACY: FAIR FOR LOW FLOWS. POOR FOR HIGH FLOWS DUE TO MEANDERING TENDENCY OVER BROAD SANDY CHANNEL WITH UNDETERMINED AND EXTREME CONTROL SHIFT.

OPERATION: LOCATED, DESIGNED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, CONSTRUCTED BY THE NEWHALL LAND AND FARMING COMPANY.

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER
1/2 mile west of County Line DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER
1/2 mile West of County Line DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DD.	MEAN SED. NO.	D. OF CHANNEL TOTAL	METER NO.
182	10-4	1415	LUCE	3.0	1.78	0.50	3.08	0.89	6	7	0	FC41	
183	10-11	1430	"	3.0	1.20	0.52	3.06	0.80	6	7	0	"	
184	10-18	1845	"	3.8	1.45	0.58	3.07	0.84	6	9	0	"	
185	10-25	1895	"	4.4	1.87	0.80	3.18	1.5	6	9	0	"	
186	11-1	1230	"	2.4	1.06	1.04	3.06	1.1	6	7	0	"	
187	11-8	1140	"	2.3	0.98	0.96	3.05	0.94	6	6	0	"	
188	11-15	1345	THOMAS	2.3	1.02	0.97	3.01	0.99	6	6	0	FC42	
189	11-29	1142	"	1.8	0.88	1.36	3.04	1.2	5	5	0	"	
170	12-6	1955	"	1.7	1.04	1.82	3.09	1.9	6	5	0	"	
171	12-13	1355	"	3.8	3.04	1.32	3.25	4.0	6	9	0	"	
172	12-20	1320	"	3.5	2.19	1.00	3.08	2.2	6	8	0	"	
173	12-27	1360	LUCE	3.5	2.48	1.29	3.19	3.2	6	8	0	FC41	
174	1-2	1815	"	10.3	6.22	1.93	3.50	12.0	6	13	0	FC39	
175	1-10	8848	LANG	9.0	4.37	2.84	3.48	12.4	6	10	0	FC12	
176	1-24	1240	LUCE-BLAKE	43.8	19.6	2.30		45.0	6	19		FC39	
177	2-14	1220	LUCE	35.0	12.0	2.03		24.4	6	14		"	
178	2-25	1825	"	30.5	11.7	2.13		24.9	6	16		"	
179	3-8	1950	"	30.5	9.90	2.10		20.8	6	16		"	
180	3-13	1215	"	44.1	19.0	2.43		46.1	6	15		FC41	
181	3-27	1430	"	35.0	26.5	4.60		122	6	14		"	
182	4-4	1825	LUCE-HODGKISS	44.0	20.9	3.00		62.7	6	18		"	
183	4-17	1250	LUCE	37.8	16.7	2.88		47.7	6	14		"	
184	5-2	1220	"	21.5	12.5	2.99		37.4	6	12		"	
185	5-8	1220	"	21.5	9.92	2.43		24.1	6	14		"	
186	5-15	8865	"	21.6	9.80	2.33		22.9	6	15		"	
187	5-22	1225	"	22.0	8.53	1.85		15.8	6	15		"	
188	5-29	1055	"	21.4	6.88	1.83		12.8	6	14		"	
189	6-5	1225	"	22.8	5.74	1.41		8.1	6	15		"	
180	6-19	1425	"	19.0	4.15	1.05		4.4	6	12		"	
191	6-19	1320	"	20.5	6.58	1.41		9.3	6	14		"	
192	6-26	1425	THOMAS	19.7	5.82	1.85		8.7	5	11		FC42	
193	7-4	1340	LUCE	20.0	4.08	0.81		3.3	6	10		FC41	
184	7-10	1148	"	20.0	4.68	1.30		6.1	6	11		"	
195	7-16	1132	THOMAS	19.8	4.38	1.60		7.2	6	15		FC42	
196	7-23	9859	"	TWO	CHANNELS			4.9	5	16		"	
197	7-31	1330	"	14.5	3.43	1.31		4.5	5	11		"	
198	8-7	1825	LUCE	4.0	1.15	1.91		2.2	6	6		FC41	
199	8-14	1358	"	12.5	2.57	1.36		3.5	6	9		"	
200	8-21	1825	"	TWO	CHANNELS			2.6	6	13		"	
201	8-27	1815	"	18.6	2.44	0.96		2.4	6	12		"	
202	9-4	1860	LUCE-HYDE	8.0	1.54	1.17		1.8	5	9		"	
203	9-11	1418	LUCE	TWO	CHANNELS			2.4	6	10		"	
204	9-18	8817	SUMMERS	5.5	1.34	1.42		1.9	5	8		FC42	
205	9-25	1848	LUCE	6.8	1.50	1.28		1.9	6	8		FC41	
252	9-19	1478	"	3.4	0.72	1.53	4.98	1.1	6	6	0	"	
253	8-27	1010	"	3.7	0.88	1.48	5.02	1.3	6	6	0	"	
254	9-2	1408	HYDE	4.0	1.41	1.21	5.05	1.7	5	6	0	FC24	
255	9-10	1220	"	4.0	0.72	1.53	4.94	1.1	5	5	0	FC35	
256	9-17	1359	"	4.0	1.11	1.06	5.04	1.2	5	6	0	"	
257	9-25	1448	TURNER	2.8	0.75	1.33	5.03	1.0	6	5	0	FC43	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS.	METH. DD.	MEAN SED. NO.	D. OF CHANNEL TOTAL	METER NO.
206	10-2	1215	LUCE	CHANNELS				1.4	.6	15		FC41	
207	10-9	1420	"	6.0	1.49	1.14		1.7	.6	8		"	
208	10-16	1330	"	9.4	2.08	0.91		1.9	.6	11		"	
209	10-23	1510	"	5.2	1.76	1.65		2.9	.5	7		"	
210	10-30	1180	"	7.0	2.10	1.76		3.7	.5	8		"	
211	11-6	1270	"	15.0	3.01	1.40		4.2	.6	9		"	
212	11-13	1370	HYDE-THOMAS	20.0	4.56	1.12		5.1	.5	11		FC42	
213	11-20	1320	HYDE	11.0	9.29	1.61		15.0	.6	8		FC35	
214	11-26	1170	THOMAS	11.0	7.49	2.35		17.6	.6	9		FC42	
215	12-4	1180	"	CHANNELS				19.9	.5	15		"	
216	12-12	1350	LUCE	15.5	8.02	1.97		15.8	.6	9		FC41	
217	12-18	1510	"	15.0	8.30	2.19		18.2	.6	10		"	
218	12-26	1470	"	15.5	9.92	2.20		21.8	.6	11		"	
219	1-8	1120	"	28.0	8.33	2.38		19.8	.6	14		"	
220	1-15	1410	"	25.6	9.24	2.38		22.0	.6	15		"	
221	1-22	1510	"	17.0	7.97	2.66		21.2	.6	12		"	
222	1-30	1150	TURNER-LUCE	18.3	9.16	2.19	5.54	20.1	.5	12		"	
223	2-4	1050	TURNER	14.5	7.11	2.71	5.41	19.3	.6	10	0	FC43	
224	2-11	1915	"	14.1	6.82	2.71	5.38	18.5	.6	10	0	"	
225	2-18	1142	"	14.1	6.80	2.66	5.34	18.1	.6	9	0	"	
226	2-25	1115	"	14.1	6.80	2.60	5.32	17.7	.6	9	0	"	
227	3-4	8820	"	13.3	5.82	2.62	5.26	15.5	.6	10	0	"	
228	3-13	1005	"	13.0	5.03	2.50	5.26	15.1	.6	9	0	"	
229	3-18	9857	"	13.0	5.84	2.16	5.23	12.8	.6	10	0	"	
230	3-25	8828	"	12.5	5.64	2.43	5.24	13.7	.6	14	0	"	
231	4-1	8835	"	11.5	5.51	2.47	5.24	13.6	.6	13	0	"	
232	4-8	8840	"	10.5	4.79	2.51	5.17	12.0	.6	12	0	"	
233	4-16	8850	"	9.5	4.15	2.14	5.18	8.9	.6	12	0	"	
234	4-22	8847	"	9.5	4.42	2.38	5.20	10.5	.6	11	0	"	
235	4-29	1020	"	13.5	5.28	2.12	5.21	11.2	.6	15	0	"	
236	5-6	8850	"	13.3	4.95	2.10	5.25	10.4	.6	15	0	"	
237	5-14	1470	"	13.0	3.83	1.57	5.17	6.0	.6	10	0	"	
238	5-21	1410	"	10.5	2.97	1.62	5.12	4.8	.6	9	0	"	
239	5-28	1010	"	10.0	3.91	1.92	5.13	7.5	.6	10	0	"	
240	6-3	1470	"	10.1	2.70	1.48	5.13	4.0	.6	9	0	"	
241	6-12	1460	"	10.0	2.19	1.28	5.07	2.8	.6	8	0	"	
242	6-18	1870	"	10.3	2.80	1.59	5.10	4.6	.6	9	0	"	
243	6-25	1410	"	10.0	1.86	1.29	5.03	2.4	.6	8	0	"	
244	7-2	1410	"	4.6	1.19	1.43	5.01	1.7	.6	7	0	"	
245	7-9	1330	"	5.8	1.31	1.37	5.03	1.8	.6	7	0	"	
246	7-16	8840	"	5.8	1.35	1.48	5.04	2.0	.6	7	0	"	
247	7-22	1528	DE MARS-TURNER	5.6	1.11	1.08	5.02	1.2	.6	8	0	"	
248	7-30	1470	TURNER	4.8	1.24	1.29	5.06	1.6	.6	7	0	"	
249	8-5	1089	"	6.1	1.25	1.52		1.9	.6	9		"	
250	8-5	1180	"	5.3	1.55	1.29	5.06	2.0	.6	8	0	"	
251	8-13	1441	"	4.4	0.84	1.28	5.00	1.2	.6	8	0	"	

STATION F278-R
SAWPIT CREEK below Sawpit Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°10'32", LONG 117°59'16", ON THE RIGHT (NORTH) SIDE OF THE STREAM, ABOUT 500 FEET DOWNSTREAM FROM SAWPIT DAM AND ABOUT 2.5 MILES NORTH OF MONROVIA. ELEVATION OF GAGE 1199.27 FEET.

DRAINAGE AREA: 3.3 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - SAND AND GRAVEL. A BROAD-CRESTED WEIR FORMS THE CONTROL.

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

RECORDER: INSTALLED FEBRUARY 6, 1942. REMOVED AUGUST 31 AND INSTALLED IN THE NEW LOCATION ON SEPTEMBER 4, 1943. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953. OUTFLOW RECORDS FROM SAWPIT DAM ARE AVAILABLE COMMENCING OCTOBER 1, 1931.

EXTREMES OF DISCHARGE:

- 1951-52
 - MAXIMUM 46 SECOND-FEET JANUARY 15.
 - MINIMUM NO FLOW MOST OF YEAR.
- 1952-53
 - MAXIMUM 25 SECOND-FEET NOVEMBER 24.
 - MINIMUM NO FLOW MOST OF YEAR.
- 1942-53
 - MAXIMUM 665 SECOND-FEET, MARCH 2, 1938. BASED ON DAM OPERATION RECORDS AND INCLUDING SPILLWAY FLOW. SPILLWAY FLOW BY-PASSED STATION.
 - MAXIMUM OUTLET DISCHARGE FROM SAWPIT DAM, 284 SECOND-FEET, JANUARY 23, 1943.
 - MINIMUM NO FLOW, VARIOUS PERIODS EACH YEAR.

ACCURACY: GOOD.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK
below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAY- INS	METH- OD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
141	12-30	1548 1558	MOON-MURPHY	3.5	2.04	6.67	1.30	13.6			.6 6	-.01	PITOT
142	12-31	1430 1434	" "	1.4	0.59	7.63	0.51	4.5			.6 4	0	FC22
143	1-1	1138 1143	" "	1.7	1.08	7.32	0.87	7.9			.6 5	+0.01	"
144	1-13	1129 1137	" "	3.0	2.56	3.94	1.46	10.1			.6 5	-.02	PITOT
145	1-13	1266 1270	" "	2.5	2.12	7.22	1.37	15.3			.6 5	-.03	FC22
146	1-15	1315 1319	" "	1.4	0.49	6.54	0.48	3.2			.5 4	0	"
147	1-16	0940 0951	" "	10.0	5.82	7.11	1.80	41.4			.6 7	0	PITOT
148	1-17	0918 0928	" "	7.0	5.44	6.53	1.79	35.5			.6 7	0	"
149	1-17	1009 1009	" "	7.0	5.44	8.23	1.79	44.7			.6 7	0	FC22
150	1-21	1150 1158	" "	1.9	1.30	7.00	1.00	9.1			.6 4	-.03	"
151	1-28	1140 1145	MOON	1.3	0.39	6.41	0.33	2.5			.5 4	0	"
152	2-14	1150 1158	" "	1.2	0.44	2.49	0.20	1.1			.6 4	0	"
153	3-7	0704 0709	MOON-MURPHY	1.8	1.22	6.97	0.92	8.5			.6 5	+0.02	"
154	3-8	1129 1129	" "	1.5	0.79	7.34	0.65	5.8			.6 4	0	"
155	3-15	1204 1207	" "	2.5	1.78	6.80	1.22	12.1			.6 5	0	"
156	3-16	1416 1420	" "	4.0	3.30	5.91	1.57	19.5			.6 6	0	PITOT
157	3-16	1438 1442	" "	4.0	3.30	5.88	1.57	22.1			.6 6	0	FC22
158	4-7	1106 1106	MOON	1.2	0.31	4.20	0.27	1.3			.6 4	0	"
159	4-30	1125 1125	" "	1.3	0.18	5.50	0.20	0.99			.6 4	0	"
160	5-8	1047 1057	" "	1.5	0.25	1.40	0.06	0.35			.6 7	0	48-H

DISCHARGE MEASUREMENTS OF SAWPIT CREEK
below Sawpit Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAY- INS	METH- OD	MEAN SEC. NO.	S. HT. CHANGE TOTAL	METER NO.
161	11-24	1050 1100	MOON	7.5	6.07	4.18	1.58	25.4			.6 7	0	FC29
162	11-24	1052 1056	" "	3.30	2.39	7.08	1.50	16.8			.6 6	0	"
163	11-25	0835 0847	" "	12.0	5.60	2.43	1.32	13.6			.6 9	0	"
164	12-2	1655 1704	" "	1.8	1.06	7.08	0.84	7.5			.6 5	0	"

FD-302 (Rev. 1-25-60)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F27B-R

Daily discharge, in second-feet of SAMPIT CREEK below Sawpit Dam for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	5.8	2.0	2.3	2.5	0.8	0.1	0	0	0
2	0	0	0	2.8	2.0	1.0	2.3	0.4	0.1	0	0	0
3	0	0	0	0	2.0	0.9	1.8	0.3	0.1	0	0	0
4	0	0	0	0	1.8	0.5	1.4	0.2	0.1	0	0	0
5	0	0	0	0	1.6	0.4	1.4	0.3	0.2	0	0	0
6	0	0	0	0	1.9	0.3	1.6	0.2	0.2	0	0	0
7	0	0	0	0	1.5	1.2	3.1	0.2	0.2	0	0	0
8	0	0	0	0	1.4	1.7	4.4	0.3	0.1	0	0	0
9	0	0	0	0	1.4	1.4	2.6	0.3	0.1	0	0	0
10	0	0	0	0	1.4	1.4	2.4	0.3	0.1	0	0	0
11	0	0	0	0	1.2	2.2	2.2	0.2	0.1	0	0	0
12	0	0	0	3.1	0.5	0.5	0.5	0.2	0	0	0	0
13	0	0	0	13.5	0.9	0.5	1.6	0.2	0	0	0	0
14	0	0	0	3.8	1.0	0.5	1.6	0.3	0	0	0	0
15	0	0	0	5.3	0.3	0.4	1.3	0.3	0	0	0	0
16	0	0	0	4.2	0.3	0.3	1.5	0.2	0	0	0	0
17	0	0	0	3.9	0.3	0.3	1.1	0.2	0	0	0	0
18	0	0	0	4.2	0.3	0.3	1.0	0.2	0	0	0	0
19	0	0	0	2.8	0.4	0.3	2.0	0.2	0	0	0	0
20	0	0	0	16.1	0.4	0.7	2.2	0.1	0	0	0	0
21	0	0	0	9.1	0.4	0.5	1.9	0.1	0	0	0	0
22	0	0	0	8.3	0.4	0.5	1.2	0.1	0	0	0	0
23	0	0	0	8.7	0.4	0.5	1.0	0.1	0	0	0	0
24	0	0	0	7.1	0.3	0.5	0.8	0.1	0	0	0	0
25	0	0	0	0.3	0.2	0.4	1.3	0.1	0	0	0	0
26	0	0	0	0.1	0.4	0.4	1.2	0.1	0	0	0	0
27	0	0	0	1.9	0.3	0.3	0.5	0.1	0	0	0	0
28	0	0	0	2.0	0.2	0.3	0.5	0.1	0	0	0	0
29	0	0	0	1.1	0.2	0.3	0.5	0.1	0	0	0	0
30	0	0	0	1.9	1.2	0.3	0.2	0.2	0	0	0	0
31	0	0	0	2.0	0.2	0.3	0.2	0.2	0	0	0	0
	0	0	14.8	244.4	26.4	198.9	53.2	6.8	1.3	0	0	0

MEAN	0	0	0.28	7.88	0.94	6.42	1.77	0.20	.043	0	0	0
ACR-FEET	0	0	29.	485.	52.	395.	106.	12.	2.6	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES-FEET 1.49 1080.

FD-302 (Rev. 1-25-60)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F27B-R

Daily discharge, in second-feet of SAMPIT CREEK below Sawpit Dam for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.1	0	0	0	0	0	0	0	0	0
2	0	0	2.9	0	0	0	0	0	0	0	0	0
3	0	0	4.4	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	10.5	0	0	0	0	0	0	0	0	0	0
25	0	11.5	0	0	0	0	0	0	0	0	0	0
26	0	2.9	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	25.0	0	0	0	0	0	0	0	0	0	0

MEAN	0	0.83	0.28	0	0	0	0	0	0	0	0	0
ACR-FEET	0	50.	17.	0	0	0	0	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN ACRES-FEET 0.09 67.

STATION U5-R
SAWPIT CREEK below Monrovia Canyon

LOCATION: WATER-STAGE RECORDER AND BROAD-CRESTED WEIR CONTROL, LAT. 34°10'25",
LONG. 117°59'20", IN NE 1/4 SW 1/4 SEC. 13, T.1N., R.11W., 0.1 MILE DOWN-
STREAM FROM MONROVIA CREEK. ALTITUDE OF GAGE ABOUT 1100 FEET.

DRAINAGE AREA: 5.3 SQUARE MILES.

RECORDS AVAILABLE: NOVEMBER 1916 TO SEPTEMBER 1953.

AVERAGE DISCHARGE: 36 YEARS (1917-1953) 1.16 SECOND-FEET; INCLUDING DIVERSION
BY MONROVIA PIPE LINE, 36 YEARS, 2.61 SECOND-FEET.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM DISCHARGE 154 SECOND-FEET JANUARY 16. GAGE HEIGHT 3.48 FEET.
MINIMUM NO FLOW DURING SEVERAL PERIODS.

1952-53
MAXIMUM DISCHARGE 61 SECOND-FEET DECEMBER 1. GAGE HEIGHT 2.62 FEET.
MINIMUM NO FLOW DURING MOST OF YEAR.

1916-53
MAXIMUM DISCHARGE ABOUT 2000 SECOND-FEET APRIL 7, 1926. ESTIMATED FROM
FLOW OF ROGERS CREEK.
MINIMUM NO FLOW DURING PARTS OF MOST YEARS.

REMARKS: RECORDS FAIR. REGULATION AT SAWPIT DAM ABOVE STATION AND DIVERSIONS
BY CITY OF MONROVIA.

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

DISCHARGE MEASUREMENTS OF SAWPIT CREEK
below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH. NO.	MEAN SEC. NO.	S. MT. DISCHARGE TOTAL	METER NO.
854	1-13		USGS	7.2	4.71	3.72	1.91	17.5		.6	17	+.00E	
855	1-18		"	19.8	17.3	3.72	2.64	64.3		.6	21	0	
856	1-19		"	8.5	7.71	2.75	2.01	21.2		.6	14	0	
857	1-22		"	5.5	4.44	1.73	1.66	8.88		.6	11	0	
858	1-30		"	4.2	2.14	0.66	1.32	1.84		.6	17	0	
859	2-6		"	2.5	1.27	0.80	1.24	1.02		.6	13	0	
860	2-20		"				0.99	0.07					
861	2-27		"				0.99	0.10					
862	3-13	1155 1206	MOON	5.2	4.28	1.73	1.53	7.4		.6	7		FC22
863	3-13		USGS	6.00	3.00	1.76	1.57	5.27		.5	18	0	
864	3-16		"	7.1	5.39	5.75	2.05	30.9		.6	25	+.03	
865	3-27		"				0.96	0.04					
866	4-2		"	5.7	2.05	1.04	1.34	2.14		.5	15	+.02	
867	4-7	1220 1226	MOON	1.3	0.46	1.46	1.19	0.67		.6	4		FC22
868	4-20		USGS	2.9	0.72	2.00	1.27	1.44		.5	13	0	
869	5-1		"				0.96	0.01					
870	5-16		"				0.94	0.00					

DISCHARGE MEASUREMENTS OF SAWPIT CREEK
below Monrovia Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH. NO.	MEAN SEC. NO.	S. MT. DISCHARGE TOTAL	METER NO.
871	11-25		USGS	6.1	4.26	2.72	1.66	11.6		.5	14	0	
872	1-8		"	1.9	0.29	1.80	1.11	0.55		.5	12	0	

FD-704 7-0 Dist. 28 8-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UE-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	2.0	1.8	3.5	1.9	0	0	0	0	0
2	0	0	0	0.5	1.8	1.8	1.8	0	0	0	0	0
3	0	0	0	0.2	1.8	0.7	1.4	0	0	0	0	0
4	0	0	0	1.1	1.4	1.1	1.1	0	0	0	0	0
5	0	0	0.6	0.0	1.2	1.1	1.1	0	0	0	0	0
6	0	0	0	1.1	1.3	1.1	1.1	0	0	0	0	0
7	0	0	0	0.0	0.9	1.3	1.3	0	0	0	0	0
8	0	0	0	0.0	0.8	1.3	1.3	0	0	0	0	0
9	0	0	0	0.0	0.7	1.1	1.1	0	0	0	0	0
10	0	0	0	0.0	0.7	1.1	1.1	0	0	0	0	0
11	0	0	0	0.0	0.6	1.0	1.0	0	0	0	0	0
12	0	0	0	1.4	0.4	1.1	1.1	0	0	0	0	0
13	0	0	0	1.5	0.4	1.1	1.1	0	0	0	0	0
14	0	0	0	1.0	1.4	1.1	1.1	0	0	0	0	0
15	0	0	0	0.2	0.5	1.1	1.1	0	0	0	0	0
16	0	0	0	3.0	0.5	1.1	1.1	0	0	0	0	0
17	0	0	0	1.1	0.3	1.1	1.1	0	0	0	0	0
18	0	0	0	6.4	0.1	1.1	1.1	0	0	0	0	0
19	0	0	0	2.1	0.1	1.1	1.1	0	0	0	0	0
20	0	0	0.5	1.2	0.1	1.1	1.1	0	0	0	0	0
21	0	0	0	1.0	0.1	1.1	1.1	0	0	0	0	0
22	0	0	0	0.9	0.1	1.1	1.1	0	0	0	0	0
23	0	0	0	0.0	0.1	1.1	1.1	0	0	0	0	0
24	0	0	0	0.0	0.1	1.1	1.1	0	0	0	0	0
25	0	0	0	0.0	0.1	1.1	1.1	0	0	0	0	0
26	0	0	0	0.1	0.1	1.1	1.1	0	0	0	0	0
27	0	0	0	1.1	0.1	1.1	1.1	0	0	0	0	0
28	0	0	0	3.3	0.1	1.1	1.1	0	0	0	0	0
29	0	0	0	2.7	0.1	1.1	1.1	0	0	0	0	0
30	0	0	2.0	2.2	0.1	1.1	1.1	0	0	0	0	0
31	0	0	0	1.9	0.1	1.1	1.1	0	0	0	0	0
	0	0	31.3	273.8	20.6	237.8	31.1	0	0	0	0	0
MEAN	0	0	1.01	8.90	0.71	7.67	1.04	0	0	0	0	0
ACRE- FEET	0	0	62.	547.	41.	472.	62.	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN 1.63
ACRE-FEET 1180.

FD-704 7-0 Dist. 28 8-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. UE-R

Daily discharge, in second-feet of SAWPIT CREEK below Monrovia Canyon for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.7	0.3	0	0	0	0	0	0	0	0
2	0	0	4.2	0.3	0	0	0	0	0	0	0	0
3	0	0	4.9	0.3	0	0	0	0	0	0	0	0
4	0	0	5.9	0.2	0	0	0	0	0	0	0	0
5	0	0	0	1.1	0	0	0	0	0	0	0	0
6	0	0	0	0.3	0	0	0	0	0	0	0	0
7	0	0	0	0.3	0	0	0	0	0	0	0	0
8	0	0	0	0.5	0	0	0	0	0	0	0	0
9	0	0	0	0.4	0	0	0	0	0	0	0	0
10	0	0	0	2.2	0	0	0	0	0	0	0	0
11	0	0	0	0.2	0	0	0	0	0	0	0	0
12	0	0	0	0.2	0	0	0	0	0	0	0	0
13	0	0	0	0.2	0	0	0	0	0	0	0	0
14	0	0	0	0.3	0	0	0	0	0	0	0	0
15	0	0	0	0.3	0	0	0	0	0	0	0	0
16	0	0	0	1.1	0	0	0	0	0	0	0	0
17	0	0	0	1.1	0	0	0	0	0	0	0	0
18	0	0	0	1.1	0	0	0	0	0	0	0	0
19	0	0	0	1.1	0	0	0	0	0	0	0	0
20	0	0	0	1.1	0	0	0	0	0	0	0	0
21	0	0	0	1.1	0	0	0	0	0	0	0	0
22	0	0	0	1.1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	25.3	13.3	5.1	0	0.8	0	0	0	0	0	0
MEAN	0	0.84	0.43	0.16	0	0.03	0	0	0	0	0	0
ACRE- FEET	0	50	26	10	0	1.6	0	0	0	0	0	0

Remarks: YEAR OR PERIOD MEAN 0.12
ACRE-FEET 88.

STATION F301-R
SAWTELLE WESTWOOD CHANNEL at Culver Boulevard

LOCATION: WATER-STAGE RECORDER, LAT 33°59'56", LONG. 116°24'55", ON THE RIGHT (SOUTH) CHANNEL WALL, 141 FEET ABOVE CULVER BOULEVARD BRIDGE. ELEVATION OF ZERO GAGE HEIGHT, 21.57 FEET ABOVE MEAN SEA LEVEL, U.S.G.S. DATUM.

DRAINAGE AREA: 22.96 SQUARE MILES.

CHANNEL AND CONTROL: RECTANGULAR CONCRETE CHANNEL, 40 FEET WIDE AND 3 FEET DEEP. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 22, 1951 OVER A 48-INCH DIAMETER CONCRETE PIPE STILLING WELL. A STEVENS TYPE A35-B RECORDER IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: STONE CANYON RESERVOIR, SOUTHERN CALIFORNIA WATER COMPANY SPILLS FLOW UP TO 5.0 SECOND-FOOT INTO SAWTELLE-WESTWOOD CHANNEL ABOVE CHARNOCK ROAD FOR SHORT PERIODS NEARLY EVERY DAY.

RECORDS AVAILABLE: JANUARY 22, 1951 TO SEPTEMBER 30, 1953. 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.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 4240 SECOND-FOOT JANUARY 16.
MINIMUM 0.1 SECOND-FOOT VARIOUS TIMES DURING YEAR.
1952-53
MAXIMUM 3150 SECOND-FOOT NOVEMBER 11.
MINIMUM 0.3 SECOND-FOOT VARIOUS TIMES DURING YEAR.

ACCURACY: GOOD FOR HIGH FLOWS, POOR 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.

DISCHARGE MEASUREMENTS OF SAWTELLE - WESTWOOD CHANNEL

AT Culver Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. DO	MEAN. SEC. NO.	S. ST. CHANGE TOTAL	METER NO.
21	10-4	0827 0832	BOLLINGER	1.0	0.20	1.30		0.26	.5	3			FC8
22	10-11	0830 0837	"	1.0	0.25	1.00		0.25	.5	3			"
23	10-18	0845 0850	"	1.0	0.22	1.54		0.34	.5	3			"
24	10-25	1407 1412	"	1.5-	0.41	1.71		0.70	.5	4			"
25	11-1	1158	"	1.4	0.42	1.76		0.74	.5	4			"
26	11-8	1254 1300	"	2.5	0.80	1.57		0.94	.6	6			"
27	11-15	1323 1326	"	1.0	0.16	1.56		0.25	.5	3			"
28	11-20	1454 1508	BOLLINGER-ROBBINS	39.7	16.2	2.48	0.35	40.2	.6	9	-0.1		"
29	11-20	1574	"	39.7	14.0	1.89	0.32	26.5	.6	9	0		"
30	12-20	1377	BOLLINGER	7.8	1.76	1.14		2.0	.5	10			"
31	12-29	1345 1388	BOLLINGER-ROBBINS	39.7	65.8	12.4	1.78	819.	.6	8	+0.5		"
32	12-29	1417	"	39.7	70.0	11.8	1.66	824.	.6	8	-1.0		"
33	1-10	1352	BOLLINGER	6.0	1.64	1.46		2.4	.5	9			"
34	2-21	1305 1315	THOMAS	TWO	CHANNELS			1.1	.5	12			FC42
35	3-6	1350 1350	BOLLINGER	8.1	2.80	1.25		3.5	.5	8			FC8
36	3-7	0835 0838	BOLLINGER-BROWN	39.7	76.5	13.3	1.82	1020.	.6	7	+4.5		"
37	3-7	0711 0716	"	39.7	87.3	15.3	2.20	1340.					FLOATS -15
38	3-7	1257 1304	"	39.7	127.	19.4	3.20	2460.					FLOATS -20
39	3-15	1455 1458	BOLLINGER	39.7	55.6	10.7	1.45	597.					FLOATS -10
40	4-10	1518 1518	"	39.7	55.6	11.3	1.40	626.					FLOATS -10
41	4-10	1428	"	12.1	2.89	0.97		2.8	.5	9			FC6
42	4-17	1510 1517	"	9.5	1.75	0.74		1.3	.6	9			FC49
43	5-8	1335 1347	"	9.7	1.90	1.37		2.6	.6	9			"
44	5-22	1348 1358	"	12.1	2.34	1.24		2.8	.6	12			"
45	6-12	1310 1310	"	16.2	2.97	0.98		2.9	.5	11			"
46	7-17	1276	THOMAS	16.0	4.71	0.81	0.14	3.8	.5	10	0		FC42
47	8-1	1138 1138	BOLLINGER	14.7	2.96	0.91	0.15	2.7	.5	10	0		FC8
48	8-7	1025 1025	"	11.1	2.59	1.04	0.15	2.7	.5	8	0		"
49	8-21	1025 1025	"	3.8	0.80	1.11		1.0	.5	7			"
50	8-28	1018 1018	HYDE-BOLLINGER	4.5	0.78	0.80	0.06	0.47	.5	6	0		"
51	9-11	1106	BOLLINGER	2.2	0.37	0.95		0.35	.5	5			"
52	9-18	1068 1068	"	1.8	0.33	1.12		0.37	.5	5			"
53	9-25	1068	"	1.8	0.32	1.09	0.13	0.35	.5	5	0		"

DISCHARGE MEASUREMENTS OF SAWTELLE - WESTWOOD CHANNEL

AT Culver Boulevard

DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. DO	MEAN. SEC. NO.	S. ST. CHANGE TOTAL	METER NO.
55	10-2	1108	BOLLINGER	2.0	0.48	1.37		0.66	.5	6			FC6
56	10-9	1000	"	1.2	0.24	1.08		0.28	.5	4			"
57	10-16	1128	"	1.5	0.31	1.03		0.32	.5	4			"
58	10-23	1089	"	2.0	0.48	1.37		0.63	.5	4			"
59	10-30	1086	"	2.6	0.40	0.83		0.33	.5	5			"

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. DO	MEAN. SEC. NO.	S. ST. CHANGE TOTAL	METER NO.
60	11-6	1102	"	1.6	0.48	1.23		0.59	.5	4			"
61	11-13	1130	"	5.5	1.67	1.26		2.1	.5	7			"
62	11-15	1016 1020	"	39.7	154.	17.7	3.87	273 0.					FLOAT
63	11-15	1027 1030	"	39.7	125.	16.0	3.18	2000.					"
64	11-26	1435 1443	"	3.5	0.80	1.50		1.2	.5	6			FC6
65	12-4	1058	"	1.6	0.28	1.00		0.28	.5	4			"
66	12-11	1154 1200	"	2.1	0.31	1.61		0.50	.5	5			FC49
67	12-18	1021 1026	"	1.2	0.24	1.21		0.29	.5	3			FC6
68	12-26	1055 1101	"	1.6	0.28	1.0		0.28	.5	4			"
69	12-30	1505	BOLLINGER-WOOD	39.7	61.5	9.20	1.55	566.					FLOAT
70	12-31	1123	BOLLINGER	9.0	1.97	1.12		2.2	.5	8			FC8
71	1-8	1127	"	39.7	14.9	1.84	0.32	27.5	.5	12	+0.1		"
72	1-15	1139	"	2.3	0.46	1.20		0.55	.5	5			"
73	1-30	1342 1342	BOLLINGER-WOOD	4.8	1.60	1.81		2.9	.5	7			"
74	2-5	1048	BOLLINGER	3.0	0.57	1.05		0.60	.5	5			"
75	2-11	1308 1318	"	3.5	0.75	1.09		0.82	.5	6			"
76	2-19	1020 1028	BOLLINGER-WHISLER	2.0	0.39	1.13		0.44	.5	5			"
77	2-26	1115 1120	BOLLINGER-DE MARS	2.5	0.44	0.80		0.35	.6	6			"
78	3-5	1083	BOLLINGER	3.0	0.45	1.47		0.68	.5	5			"
79	3-12	1013 1021	"	3.6	0.64	0.75		0.48	.5	7			"
80	3-19	1023 1030	HYDE-BOLLINGER	3.2	0.67	0.66		0.44	.5	6			"
81	3-26	1028 1034	"	5.5	0.54	0.81		0.44	.5	8			"
82	4-2	1024	"	5.6	0.65	0.75		0.64	.5	8			FC49
83	4-9	1028	HYDE	5.4	0.54	1.13		0.61	FLOAT	6			"
84	4-16	1000	"	5.6	0.42	0.71		0.30	.5	8			FC49
85	4-30	1115 1125	HYDE-LINDSAY	5.7	1.01	0.57		0.58	.5	11			"
86	5-7	1022	HYDE	6.0	0.66	0.77		0.51	FLOAT	6			"
87	5-14	1022	"	5.0	0.54	0.87		0.47	"	7			"
88	5-21	1000	"	6.0	0.70	0.80		0.56	"	7			"
89	5-28	1100	"	4.8	0.70	0.84		0.45	"	6			"
90	6-4	1037	BOLLINGER	1.8	0.32	1.00		0.32	.5	5			FC6
91	6-11	1005	"	1.8	0.24	1.25		0.30	.5	5			"
92	6-18	1022	"	2.0	0.35	1.51		0.53	.5	5			"
93	6-25	0825 0825	"	2.5	0.54	1.52		0.82	.5	6			"
94	7-2	0825 0825	"	2.2	0.43	1.21		0.52	.5	5			"
95	7-9	0810 0820	"	3.0	0.55	0.98		0.53	.5	7			"
96	7-16	1005	"	3.2	0.68	0.98		0.55	.5	7			"
97	7-30	1022	HYDE	5.0	0.73	0.84		0.61	FLOAT	6			"
98	8-6	0848 0855	BOLLINGER	2.0	0.35	1.14		0.40	.5	5			FC6
99	8-13	1005	"	2.2	0.38	1.08		0.42	.5	5			"
100	8-20	1008	"	2.0	0.40	1.52		0.61	.5	5			"
101	8-27	1003	"	1.7	0.27	1.11		0.30	.5	4			"
102	9-3	1010	"	2.6	0.61	1.43		0.87	.5	6			"
103	9-10	1005	"	1.9	0.38	1.13		0.43	.5	5			"
104	9-17	1118	"	5.8	1.86	1.32		2.2	.5	8			"
105	9-24	1008	"	2.5	0.35	1.83		0.57	FLOATS	6			"

FORM F. C. Div. 11 1-48

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SANTELE - WESTWOOD CHANNEL at Culver Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.7	6.1	0.6	0.2	2.5	1.2	0.5	0.8	0.4	2.7	0.5
2	0.3	0.7	7.7	0.6	0.2	4.0	1.6	0.6	0.6	0.5	2.7	0.5
3	0.3	0.8	4.9	0.3	0.2	3.8	2.0	0.7	0.4	0.5	2.7	0.5
4	0.3	0.8	3.8	0.6	0.2	3.5	2.0	0.8	0.2	0.4	2.7	0.5
5	0.3	0.8	4.9	0.6	0.2	3.5	2.0	1.0	0.1	0.4	2.7	0.5
6	0.3	0.9	0.2	0.6	0.2	4.8	2.0	1.1	0.5	0.5	2.7	0.5
7	0.3	0.9	0.2	0.6	0.2	8.7	4.0	1.2	1.1	0.5	2.7	0.5
8	0.3	0.9	0.2	0.6	0.2	2.5	4.0	1.3	1.3	0.5	2.3	0.4
9	0.3	0.8	0.2	0.6	0.2	0.5	2.0	1.5	1.7	0.2	2.0	0.4
10	0.3	0.7	0.2	0.6	0.2	2.0	6.2	1.7	2.1	0.1	1.7	0.4
11	0.2	0.5	2.5	1.5	0.2	0.5	3.0	1.9	2.5	0.6	1.4	0.4
12	0.2	0.5	2.5	1.5	0.2	7.5	3.0	2.0	2.9	1.2	1.0	0.4
13	0.2	0.4	0.1	0.4	0.2	0.4	2.9	2.2	2.5	1.7	0.6	0.4
14	0.2	0.3	0.1	0.4	0.2	0.3	2.8	2.2	2.4	1.1	0.2	0.4
15	0.3	0.2	0.4	0.4	0.5	0.3	2.8	2.6	1.7	2.2	0.3	1.0
16	0.3	0.2	0.1	0.4	0.5	0.3	1.3	2.8	1.1	3.3	0.4	0.4
17	0.3	0.2	0.1	0.4	0.5	0.3	19.4	2.8	0.5	3.5	0.5	0.4
18	0.3	0.2	0.1	0.4	0.5	0.3	2.5	2.8	0.7	3.7	0.7	0.4
19	0.3	4.6	3.1	0.4	0.8	2.2	2.5	2.8	0.1	3.7	0.8	0.4
20	0.3	5.7	2.1	0.3	1.1	1.0	10.4	2.7	0.1	3.7	0.6	0.4
21	0.3	4.6	2.1	0.5	1.1	0.9	0.4	2.8	0.1	3.6	1.0	0.4
22	0.3	0.3	0.5	0.5	1.0	0.8	0.4	2.8	0.1	3.5	0.9	0.4
23	0.3	0.3	0.4	0.5	0.9	0.7	0.4	2.8	0.1	3.5	0.9	0.4
24	9.8	0.3	0.3	0.3	0.5	0.5	0.4	2.8	0.1	3.5	0.8	0.4
25	2.1	0.3	0.3	1.1	0.7	0.5	2.4	2.4	0.2	3.5	0.5	0.4
26	0.7	0.3	0.2	0.2	0.7	0.4	0.5	2.2	0.2	3.3	0.6	0.4
27	0.7	0.3	0.2	0.2	0.7	0.4	0.5	2.2	0.2	3.3	0.6	0.4
28	0.7	0.3	0.2	0.2	0.7	0.4	0.5	2.2	0.2	3.3	0.6	0.4
29	0.7	0.3	4.0	0.2	3.2	0.3	0.5	1.1	0.3	3.3	0.5	0.5
30	0.7	0.3	8.5	0.2	3.2	0.6	0.5	1.2	0.4	3.3	0.5	0.5
31	0.7	0.3	0.6	0.2	0.2	0.9	0.9	1.0	0.8	2.8	0.5	0.5
MEAN	1.33	4.03	23.2	75.7	1.54	47.3	6.02	1.83	0.85	2.13	1.26	0.77
NO. OF DAYS	82.	240.	1430.	4650.	89.	2910.	358.	112	50.	131.	78.	46.

Remarks:														
												MEAN	14.0	
												ON PERIOD	ACRE-FEET	10180.

FORM F. C. Div. 11 1-48

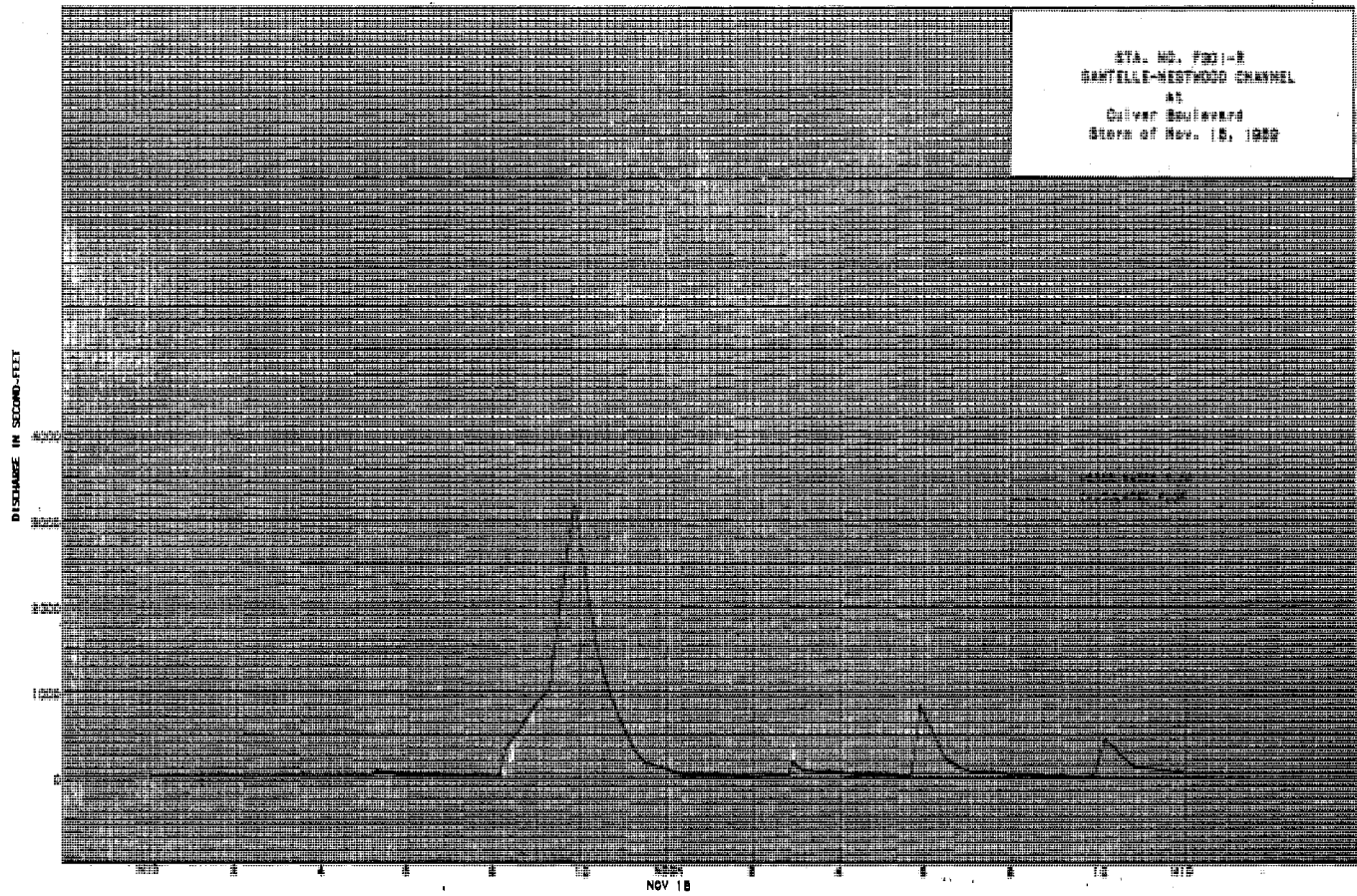
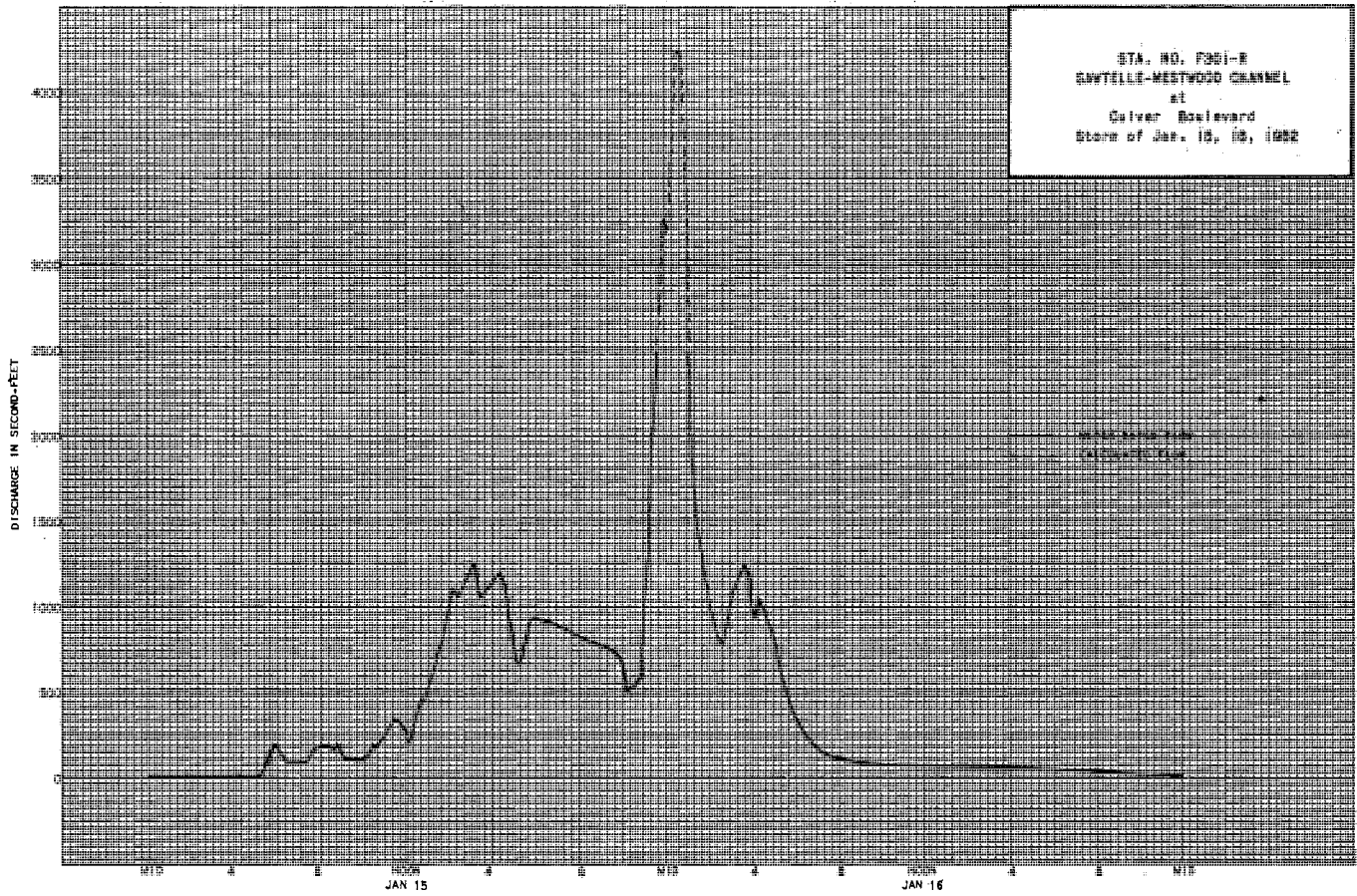
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F301-R

Daily discharge, in second-feet of SANTELE - WESTWOOD CHANNEL at Culver Boulevard for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	5.8	2.2	2.1	4.1	0.8	0.8	0.0	0.0	0.5	1.0
2	0.7	0.5	0.8	2.2	1.7	0.7	0.8	0.8	0.0	0.0	0.5	1.0
3	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
4	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
5	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
6	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
7	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
8	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
9	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
10	0.7	0.5	0.8	2.2	1.4	0.7	0.8	0.8	0.0	0.0	0.5	1.0
11	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	0.4	0.8
12	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	0.7	0.8
13	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.5	0.8
14	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
15	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
16	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
17	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
18	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
19	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
20	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
21	0.3	0.8	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
22	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
23	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
24	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
25	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
26	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
27	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
28	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
29	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
30	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
31	0.3	1.9	0.5	1.1	0.8	0.5	0.4	0.5	0.0	0.0	1.1	0.8
MEAN	0.44	17.6	11.0	4.50	0.69	1.60	7.35	0.51	0.48	0.81	0.62	0.82
NO. OF DAYS	27.	1040.	677.	277.	38.	98.	438.	31.	28.	50.	38.	49.

Remarks:														
												MEAN	1.86	
												ON PERIOD	ACRE-FEET	2790.



STATION F67B-R
SIERRA MADRE WASH below Sierra Madre Dam

LOCATION: WATER-STAGE RECORDER, LAT 34°10'33", LONG. 118°02'33", ON THE LEFT (EAST) BANK ABOUT 270 FEET BELOW SIERRA MADRE DAM AND ABOUT 1-1/4 MILES NORTHEAST OF SIERRA MADRE. ELEVATION OF ZERO GAGE HEIGHT 1082.59 FEET.

DRAINAGE AREA: 2.4 SQUARE MILES.

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

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

RECORDER: INSTALLED JANUARY 28, 1929 AT STATION F67-R ABOUT 1000 FEET DOWN-STREAM FROM PRESENT LOCATION. REMOVED MAY 20, 1936. REINSTALLED MAY 21, 1936 IN A 4 FT. X 3 FT. COMBINATION CONCRETE STILLING WELL AND HOUSE, AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: THE 30-INCH DIAMETER GATE VALVE IN THE SIERRA MADRE DAM REMAINS OPEN EXCEPT IN EMERGENCY CONDITIONS.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT.

RECORDS AVAILABLE:
AT STATION F67-R - JANUARY 28, 1929 TO MAY 20, 1936.
AT STATION F67B-R - MAY 21, 1936 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:
1951-52
MAXIMUM 65 SECOND-FOOT, JANUARY 16.
MINIMUM NO FLOW IN OCTOBER AND NOVEMBER.
1952-53
MAXIMUM 41 SECOND-FOOT DECEMBER 1.
MINIMUM NO FLOW MOST OF YEAR.
1929-1953
MAXIMUM 620 SECOND-FOOT ESTIMATED MARCH 2, 1936.
MINIMUM NO FLOW SEVERAL MONTHS DURING MOST YEARS.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEBIN NO.	NAME BY	WIDTH FEET	AREA BY METHOD SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE (SQ. FT.)	RAT. INR	METH. CD	MEAN. SEB. NO.	S. MT. DISCHARGE TOTAL	METER NO.
242	1-12	1197	MOON-MURPHY	5.5	2.49	14.0	1.72	35.0	.6	5	+01	#2	
243	1-18	1218	"	5.5	2.46	13.4	1.83	32.9	.6	8	0	"	
244	3-7	1370	"	1.8	0.76	11.1	1.10	8.4	.6	4	0	"	
245	3-15	1426	"	4.0	2.57	13.3	1.85	34.1	.6	5	+03	"	
246	3-19	1380	MOON	2.0	0.86	11.7	1.20	11.2	.6	4	0	FC22	

DISCHARGE MEASUREMENTS OF SIERRA MADRE WASH

below Sierra Madre Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEBIN NO.	NAME BY	WIDTH FEET	AREA BY METHOD SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE (SQ. FT.)	RAT. INR	METH. CD	MEAN. SEB. NO.	S. MT. DISCHARGE TOTAL	METER NO.
247	11-15	1336	MOON-MURPHY	1.3	0.32	16.2	1.00	5.2	.6	4	0	FC29	

FORM 7. G. Dec. 29 1-54

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, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1.5	6.4	1.4	0	+	+	0
2	0	0	0	0	0	1.3	6.4	1.4	0	+	+	0
3	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
4	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
5	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
6	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
7	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
8	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
9	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
10	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
11	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
12	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
13	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
14	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
15	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
16	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
17	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
18	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
19	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
20	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
21	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
22	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
23	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
24	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
25	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
26	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
27	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
28	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
29	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
30	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
31	0	0	0	0	0	1.2	6.4	1.4	0	+	+	0
	0	0.5	1.2	231.9	263	214.1	96.2	22.9	1.5	1.5	2.1	2.9

MEAN	0	.017	0.40	7.48	0.90	6.90	3.20	.739	.050	.048	.068	.097
MEAN FEET	0	1.0	25.	460.	52.	425.	191.	45.	3.0	3.0	4.7	5.8

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

YEAR OR PERIOD MEAN ACROSS PERIOD 1.58 1215.

TABLE F. C. Div. 11 1-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F37B-R

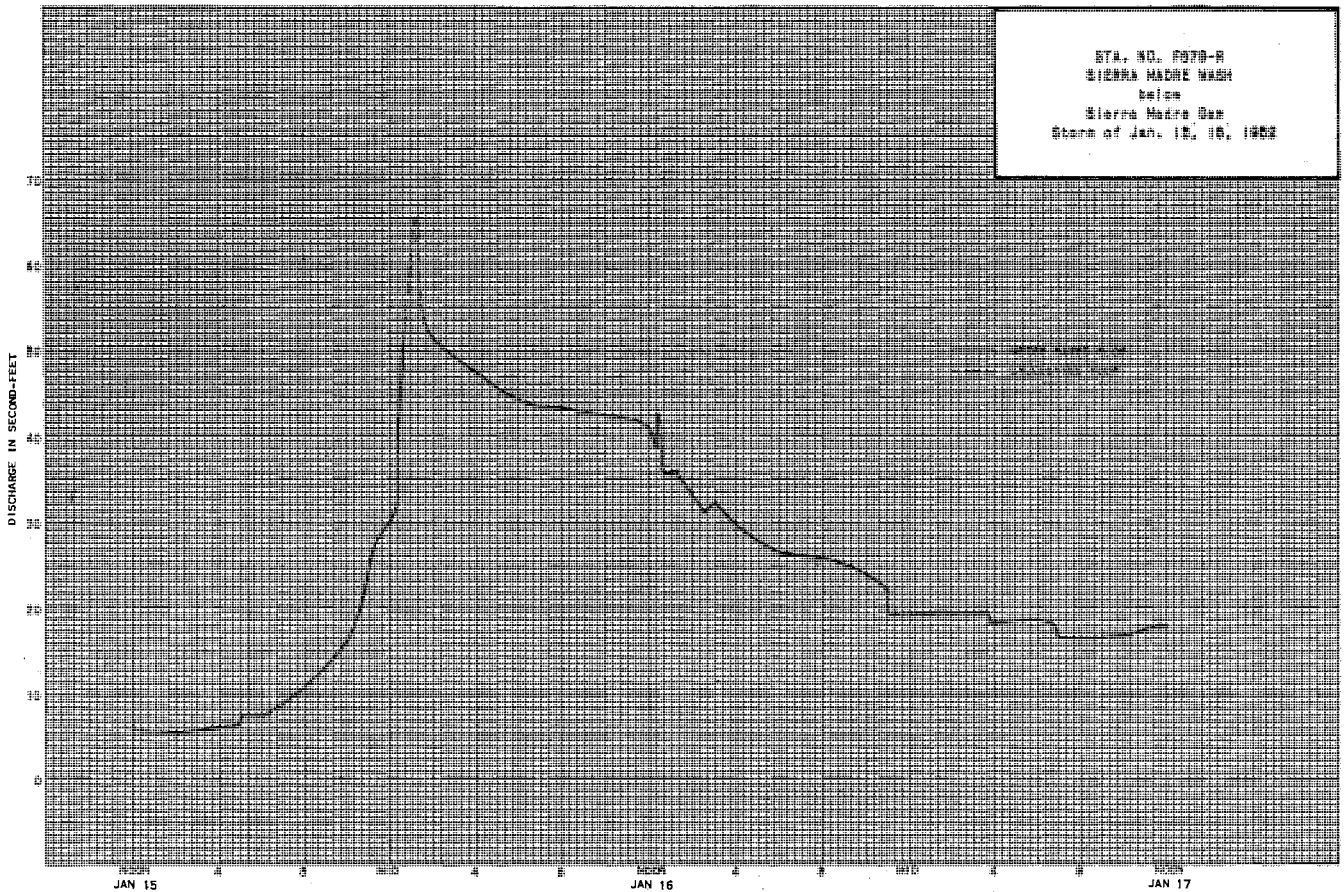
Daily discharge, in second-feet of SIERRA MADRE WASH below Sierra Madre Dam for the year ending September 30, 1953.

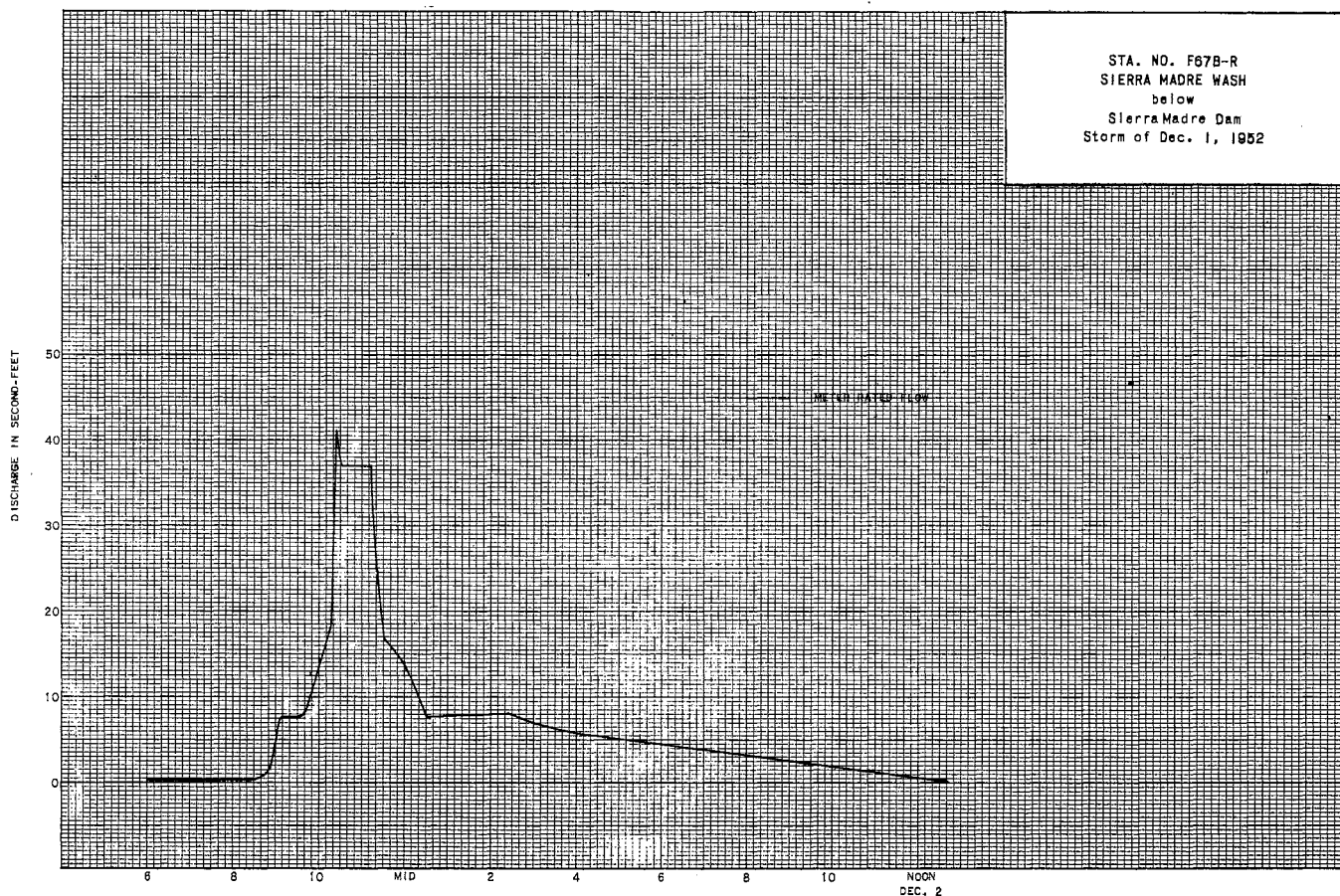
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0											
2	0		2.5	0.2								
3	0		2.5	0								
4	0		2.5	0								
5	0		2.5	0								
6	0		2.5	0								
7	0		2.5	0								
8	0		2.5	0								
9	0		2.5	0								
10	0		2.5	0								
11	0		1	0								
12	0		0	0								
13	0		0	0								
14	0		0	1								
15	0		0	3								
16	0	0.1	0	0								
17	0	0.8	0	0								
18	0	0	0	0								
19	0	0	0	0								
20	0	0	1.2	0								
21	0	0	1	0								
22	0	0	0	0								
23	0	0	0	0	0.1							
24	0	0	0	0	0							
25	0	0	0	0	0							
26	0	0	0	0	0							
27	0	0	0	0	0							
28	0	0	2	0								
29	0	0	0	0								
30	0	0	0.3	0								
31	0	0	0.3	0								
	0	0	8.9	0	0.1	0	0	0	0	0	0	0

	0.9	2.0	0.7									
MEAN	0	0.10	0.29	0.06	.004	.023	0	0	0	0	0	0
ACRE-FOOT	0	5.8	18.	4.0	0.2	1.4	0	0	0	0	0	0

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

YEAR MEAN 0.04
OR PERIOD ACRE-FOOT 29.





STATION F287-R
SIERRA MADRE WASH at Woodland Avenue

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'19", LONG. 118°01'41", ON THE LEFT (NORTHEAST) CHANNEL WALL ABOUT 30 FEET UPSTREAM FROM SANTA ANITA WASH, ABOUT 20 FEET EAST OF THE INTERSECTION OF WOODLAND AVENUE AND FIRST STREET, AND ABOUT 1 MILE NORTH OF ARCAOCIA. ELEVATION OF ZERO GAGE HEIGHT, 557.22 FEET.

DRAINAGE AREA: 3.8 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 30, 1938 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: PARTIALLY REGULATED BY SIERRA MADRE DAM. USUAL REGULATION AFFECTS HIGH FLOWS ONLY.

DIVERSIONS: UNDERGROUND AND SURFACE FLOW DEVELOPED AND DIVERTED BY SIERRA MADRE WATER DEPARTMENT. FLOW ALSO DIVERTED ABOUT ONE MILE ABOVE STATION FOR SPREADING IN SIERRA MADRE SPREADING GROUNDS.

RECORDS AVAILABLE: SEE REMARKS.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 323 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
1952-53
MAXIMUM 208 SECOND-FEET DECEMBER 1.
MINIMUM NO FLOW MOST OF YEAR.
1938-53.
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD, 542 SECOND-FEET JANUARY 22, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: FAIR.

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

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

DISCHARGE MEASUREMENTS BY SIERRA MADRE WASH (formerly Little Santa Anita Creek)

AT Woodland Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BSM IN SMB	MADE BY	WIDTH FEET	AREA BY SECTION SQ. FT.	MEAN VELOCITY FT./MIN.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. METH. INR NR	HEAD SMB NR.	S. OF SHADES TOTAL	METER NR.
77	1-13	0710 0718	STUNGEN	10.0	2.00	5.60	0.19	11.2	ZIGATE	4	0	

STATION F. C. DIST. 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0.3	0	0	2.3	0.7	0	0	0	0	0
2	0	0	0	0	0	0.9	0	0	0	0	0	0
3	0	0	0	0	0	0.4	0	0	0	0	0	0
4	0	0	1.2	0	0	0.2	0	0	0	0	0	0
5	0	0	1.6	0	0	0	0	0	0	0	0	0
6	0	0	0	0.7	0	0.7	0	0	0	0	0	0
7	0	0	0	1.5	0	11.2	6.0	0	0	0	0	0
8	0	0	0	0	0	2.2	0	0	0	0	0	0
9	0	0	0	0	0	1.4	0	0	0	0	0	0
10	0	0	0	0	0	1.4	0.9	0	0	0	0	0
11	0	0	1.1	0	0	0	0	0	0	0	0	0
12	0	0	2.1	14.2	0	1.7	0	0	0	0	0	0
13	0	0	0	10.1	0	0.6	0	0	0	0	0	0
14	0	0	0	0	0	2.2	0	0	0	0	0	0
15	0	0	0	0	0	2.2	0	0	0	0	0	0
16	0	0	0	2.0	0	1.4	0	0	0	0	0	0
17	0	0	0	7.7	0	3.2	0	0	0	0	0	0
18	0	0	0	13.4	0	1.4	0	0	0	0	0	0
19	0	0	0	6.0	0	1.0	2.3	0	0	0	0	0
20	0	0	0	2.4	0	0.8	0	0	0	0	0	0
21	0	0	0	5.6	0	1.2	0	0	0	0	0	0
22	0	0	0	4.4	0	1.0	0	0	0	0	0	0
23	0	0	0	4.2	0	1.0	0	0	0	0	0	0
24	0	0	0	3.4	0	0.8	0	0	0	0	0	0
25	0	0	0	4.2	0	1.0	0	0	0	0	0	0
26	0	0	0	2.2	0	2.5	0	0	0	0	0	0
27	0	0	0	1.1	0	2.2	0	0	0	0	0	0
28	0	0	0	0	0	2.7	0	0	0	0	0	0
29	0	0	7.3	0.7	3.8	2.0	0	0	0	0	0	0
30	0	0	6.7	0	0	1.9	0	0	0	0	0	0
31	0	0	0	0	0	1.6	0	0	0	0	0	0
	1.4	5.9	20.3	209.3	3.8	86.6	10.5	0	0	0	0	0

MEAN	0.05	0.20	0.65	6.75	0.13	2.79	0.35	0	0	0	0	0
ACRE- FEET	2.8	12.	40.	415.	7.5	172.	21.	0	0	0	0	0

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

YEAR OR PERIOD MEAN 7.92
ACRE-FEET 670.

72074M Ck 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F267-R

Daily discharge, in second-feet of SIERRA MADRE WASH at Woodland Avenue for the year ending September 30, 19 53

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	11.8	0	0	0	0	0	0	0	0	0
2	0	0	2.9	0	0	0	0	0	0	0	0	0
3	0	0	1.0	0	0	0	0	0	0	0	0	0
4	0	0	0.1	0	0	0	0	0	0	0	0	0
5	0	0	0.1	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	1.1	0	0	0	0	0	0	0	0	0
8	0	0.1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0.6	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1.9	0	0	0	0	0	0
20	0	0	4.4	0	0	2.2	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	0.8	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	3.1	0	0	0	0	0	0	0	0	0
30	0	0	3.0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	26.6	0.6	0.8	2.1	4.1	0	0	0	0	0

MEAN	0	0.55	0.86	0.02	.029	.068	0.14	0	0	0	0	0
ACRE- FEET	0	33.	53.	1.2	1.6	4.2	8.1	0	0	0	0	0

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

YEAR OR PERIOD MEAN .139
ACRE-FEET 101.

STATION F43-R
SYCAMORE CANYON CHANNEL above Solway Street

LOCATION: WATER-STAGE RECORDER, LAT. 34°09'24", LONG 118°13'17", ON THE RIGHT (NORTH) SIDE OF CONCRETE DRAIN, APPROXIMATELY 80 FEET ABOVE SOLWAY STREET AND ABOUT 3 MILES NORTHEAST OF GLENDALE. ELEVATION OF GAGE ABOUT 700 FEET.

DRAINAGE AREA: 2.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 8 FT. WIDE AND 8 FT. DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED JANUARY 30, 1928 IN A 3 FT. X 4 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. RECORDER REINSTALLED, OCTOBER 1, 1935. STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 568 SECOND-FOOT JANUARY 16.
MINIMUM NO FLOW AT TIMES IN OCTOBER.

1952-53
MAXIMUM 117 SECOND-FOOT NOVEMBER 15.
MINIMUM NO FLOW AT TIMES, JUNE TO SEPTEMBER.

1928-53
MAXIMUM NOT DETERMINED MARCH 2, 1938.
MAXIMUM DISCHARGE OF RECORD 568 SECOND-FOOT JANUARY 16, 1952.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL
above Solway Street DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAVE HEIGHT FEET	DISCHARGE CU. FT.	RAT- ING	METH- OD	MEAN RECD. NO.	S. M. DISCHGE TOTAL	METER NO.
54	1-17	1927 1952	BLAKELY-WESTLING	8.0	2.51	5.58	0.65	14.0		5	6	+ .24	FC24

FOOTING P. C. Dist. 58 0-10

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 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	+	+	0.1	0.2	2.0	0.7	0.5	0.3	0.2	0.1	0	0
2	+	+	+	0.2	1.5	0.2	0.4	0.5	0.2	0.1	0	0
3	+	+	+	0.1	1.4	0.2	0.4	0.3	0.2	0.1	+	0
4	+	+	0.9	0.1	1.0	0.2	0.4	0.3	0.2	0.1	0	0
5	+	+	0.8	0.1	0.6	0.1	0.4	0.2	0.2	0.1	0	+
6	+	+	+	0.3	0.5	1.5	0.4	0.2	0.2	0.1	+	+
7	+	+	+	0.6	0.5	4.6	3.6	0.2	0.1	0.1	+	0
8	+	+	+	0.1	0.4	2.0	1.0	0.3	0.1	0.1	+	0
9	+	+	+	0.1	0.4	2.0	0.4	0.3	0.1	+	+	0
10	+	+	+	0.1	0.3	0.9	1.1	0.3	0.1	+	+	0
11	+	+	0.4	0.1	0.2	0.5	0.5	0.5	0.1	+	+	0
12	+	+	1.0	12.0	0.1	1.4	0.4	0.3	0.1	+	+	0
13	+	+	+	3.6	0.1	0.8	0.4	0.2	0.1	+	+	0
14	+	+	+	1.0	0.1	0.5	0.4	0.2	0.1	+	+	0
15	+	+	0.1	4.0	0.1	4.5	0.4	0.4	0.1	+	+	0
16	+	+	0.1	92	0.1	16.2	0.4	0.4	0.1	+	+	0
17	+	+	0.1	81	0.1	2.4	0.4	0.4	0.1	+	+	0
18	+	+	0.1	92	0.1	2.0	0.4	0.3	0.1	+	+	0
19	+	+	0.2	9.1	0.1	2.0	3.0	0.3	0.1	+	+	0.1
20	+	1.4	0.2	4.1	0.1	2.0	0.4	0.3	0.1	+	+	0
21	+	0.8	+	4.1	0.1	2.0	0.4	0.3	0.1	+	+	0
22	+	0.2	+	2.6	0.1	1.8	0.4	0.3	0.1	+	+	0
23	+	0.1	+	2.4	0.1	1.6	0.4	0.4	0.1	+	+	0
24	+	0.1	+	2.4	0.1	1.4	0.3	0.4	0.1	+	+	0
25	+	+	+	3.7	0.1	1.2	0.3	0.2	0.1	+	+	0
26	+	+	+	2.2	0.1	0.8	0.4	0.2	0.1	+	+	+
27	+	+	+	1.8	0.1	0.6	0.4	0.2	0.1	+	+	+
28	+	0.1	0.1	1.2	0.1	0.5	0.5	0.2	0.1	+	+	0
29	+	+	4.7	1.6	1.9	0.5	0.4	0.2	0.1	+	0	0
30	+	+	6.9	2.2	0.5	0.5	0.4	0.2	0.1	+	0	0
31	+	+	0.2	2.2	0.5	0.5	0.4	0.2	0.1	0	0	0
	+	2.8	15.7	361.5	12.5	137.0	21.0	8.5	3.6	0.8	+	0.2

MEAN	0.933	.506	11.7	0.43	4.42	0.70	0.27	0.22	0.03	4	0	
AREA	+	6.6	31.2	717.	25.	272.	42.	17.	7.1	1.6	+	40
Remarks: + = 0.05 c.f.s. or less												
YEAR	1952											
OR	PERIOD											
PERIOD	1119.											

FD-141 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. FI3-R

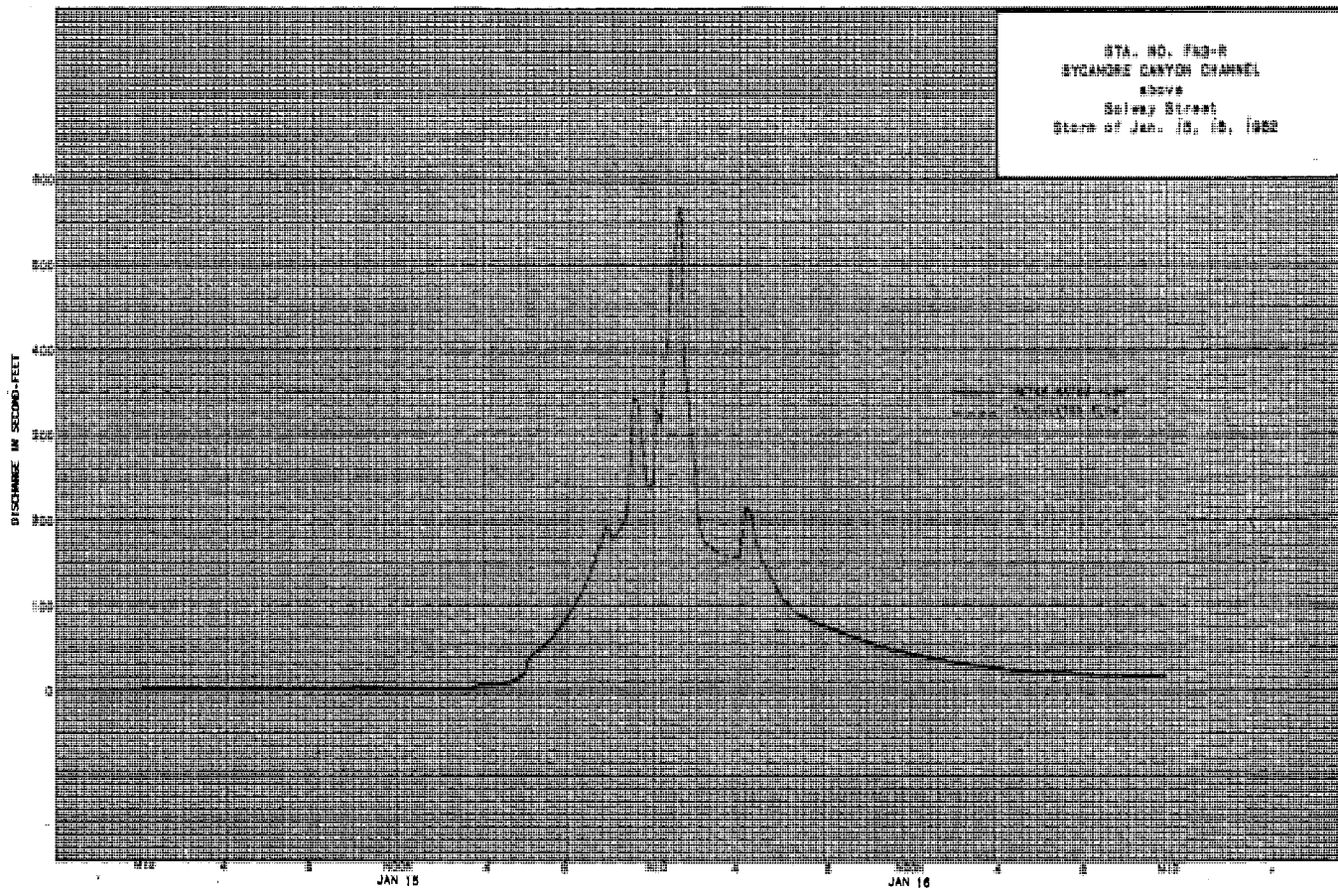
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL above Solway Street for the year ending September 30, 1953

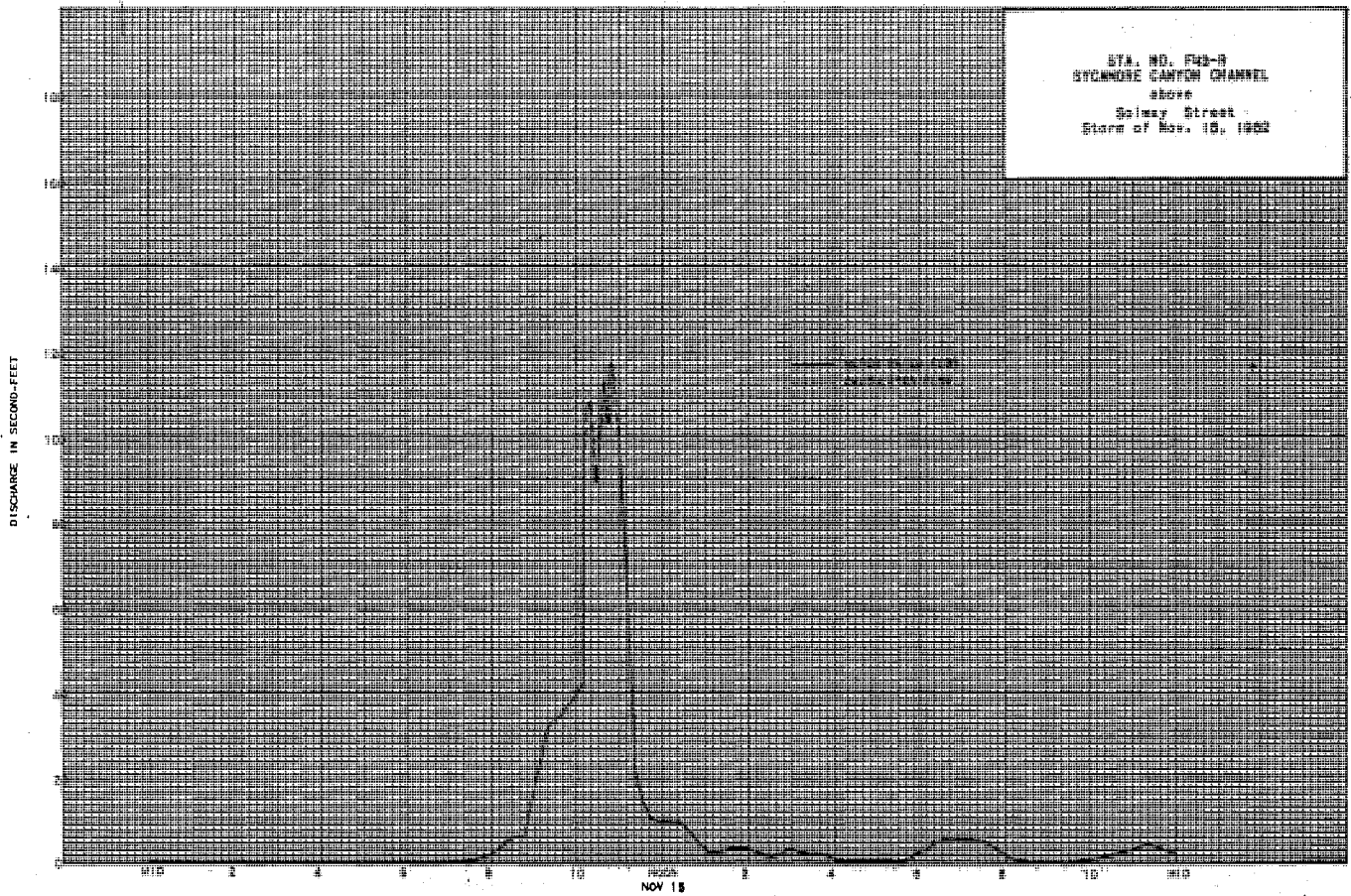
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1		5.4	0.1	0.1	0.5	0.1	0.1				
2	+	+		0.1	0.1	0.5	0.1	+	+			
3				0.1	0.1	0.1	0.1					
4				0.1	0.1	0.1	0.1					
5				0.1	0.1	0.1	0.1					
6				0.4	0.1	0.1	0.1					
7		0.1		0.1	0.1	0.1	0.1					
8		0.1		0.1	0.1	0.1	0.1					
9		0.1		0.1	0.1	0.1	0.1					
10				0.1	0.1	0.1	0.1					
11				0.1	0.1	0.1	0.1					
12				0.1	0.1	0.1	0.1					
13				0.1	0.1	0.1	0.1					
14				0.1	0.1	0.1	0.1					
15				0.1	0.1	0.1	0.1					
16				0.1	0.1	0.1	0.1					
17				0.1	0.1	0.1	0.1					
18				0.1	0.1	0.1	0.1					
19				0.1	0.1	0.1	0.1					
20				0.1	0.1	0.1	0.1					
21				0.1	0.1	0.1	0.1					
22				0.1	0.1	0.1	0.1					
23				0.1	0.1	0.1	0.1					
24				0.1	0.1	0.1	0.1					
25				0.1	0.1	0.1	0.1					
26				0.1	0.1	0.1	0.1					
27				0.1	0.1	0.1	0.1					
28				0.1	0.1	0.1	0.1					
29				0.1	0.1	0.1	0.1					
30				0.1	0.1	0.1	0.1					
31	0.1			0.1	0.1	0.1	0.1					

	12.6	5.4	3.3	0.1								
MEAN	+	0.42	0.48	0.17	0.15	0.11	0.077	+	+	+	+	+
MAX.	0.2	25.	30.	11.	8.1	6.5	4.6	0.2	+	+	+	+

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

YEAR OR PERIOD 1953 MEAN 0.117
ACRE-FEET 86.





STA. NO. F44-R
 SYCAMORE CANYON CHANNEL
 above
 Quincy Street
 Storm of Nov. 18, 1932

STATION F44-R
 SYCAMORE CANYON CHANNEL at Adams Square

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'02" LONG. 116°14'30", ON THE RIGHT (NORTH) SIDE OF THE DRAIN ABOUT 130 FEET DOWNSTREAM FROM THE WEST CURB OF ADAMS STREET. ABANDONED STATION F44-R WAS 100 FEET UPSTREAM FROM PRESENT STATION.

DRAINAGE AREA: 6.2 SQUARE MILES.

CHANNEL AND CONTRIX: CHANNEL - CLOSED RECTANGULAR CONCRETE DRAIN, 9 FEET WIDE AND 10 FEET DEEP. INVERT IS 0.1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

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

RECORDER: INSTALLED DECEMBER 15, 1927 AT STATION F44-R AND REINSTALLED AUGUST 3, 1948 UNDERGROUND IN A 3 FT. X 3 FT. CONCRETE HOUSE AND STILLING WELL COMBINED. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATIONS: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: DECEMBER 15, 1927 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:
 1951-52
 MAXIMUM 1270 SECOND-FEET JANUARY 16.
 MINIMUM PLUS FLOW IN JULY AND AUGUST.
 1952-53
 MAXIMUM 330 SECOND-FEET NOVEMBER 15.
 MINIMUM PLUS FLOW AT VARIOUS TIMES.
 1927-53
 MAXIMUM 2700 SECOND-FEET ESTIMATED MARCH 2, 1938.
 MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

DISCHARGE MEASUREMENTS OF SYCAMORE CANYON CHANNEL
 AT Adams Square DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FYRER REQ.	GAUGE HEIGHT FEET	DISCHARGE REQ. FT.	RAV- INS	MEAS. REQ. NO.	S. HY. DISCHARGE TOTAL	METER NO.
12	1-18	1516 1521	BLAKELY-WESTLING	9.0	3.27	4.10	0.48	13.4	5	7	0	FC24
13	1-21	1118	" "	9.0	1.99	2.41	0.40	4.8	.5	7	+0.02	"
14	3-8	1049 1058	" "	9.0	1.42	1.48	0.28	2.1	5	5	0	"
15	3-17	1806 1806	LANG	9.0	3.25	3.97	0.47	12.9	.5	7	0	FC12

FD-16 (Rev. 7-16-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F448-R

Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.002	0.01	2.9	0.5	2.0	2.0	1.2	0.5	0.7	0.3	+	0.1
2	0.002	0.01	0.5	0.4	1.5	0.5	1.2	0.5	0.6	0.3	+	0.1
3	0.002	0.01	5.9	0.4	1.5	0.4	1.2	0.4	0.5	0.3	0.01	0.01
4	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.4	0.3	0.01	0.01
5	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
6	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
7	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
8	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
9	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
10	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
11	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
12	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
13	0.002	0.01	13.3	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
14	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
15	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
16	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
17	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
18	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
19	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
20	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
21	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
22	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
23	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
24	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
25	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
26	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
27	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
28	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
29	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
30	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
31	0.002	0.01	0.4	0.4	1.5	0.4	1.1	0.4	0.3	0.3	0.01	0.01
TOTAL	15.68	27.23	86.92	751.7	21.4	289.6	62.9	6.4	1.07	0.52	0.25	4.07

MEAN	0.51	0.91	2.80	24.3	0.74	9.34	2.10	0.21	.036	.017	.008	0.14
ACRE-Feet	31.	54.	172	1490.	42.	574.	125.	13.	2.1	1.0	0.5	8.1

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

YEAR OR PERIOD MEAN ACRES-Feet 3.46 2510.

FD-16 (Rev. 7-16-59)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F448-R

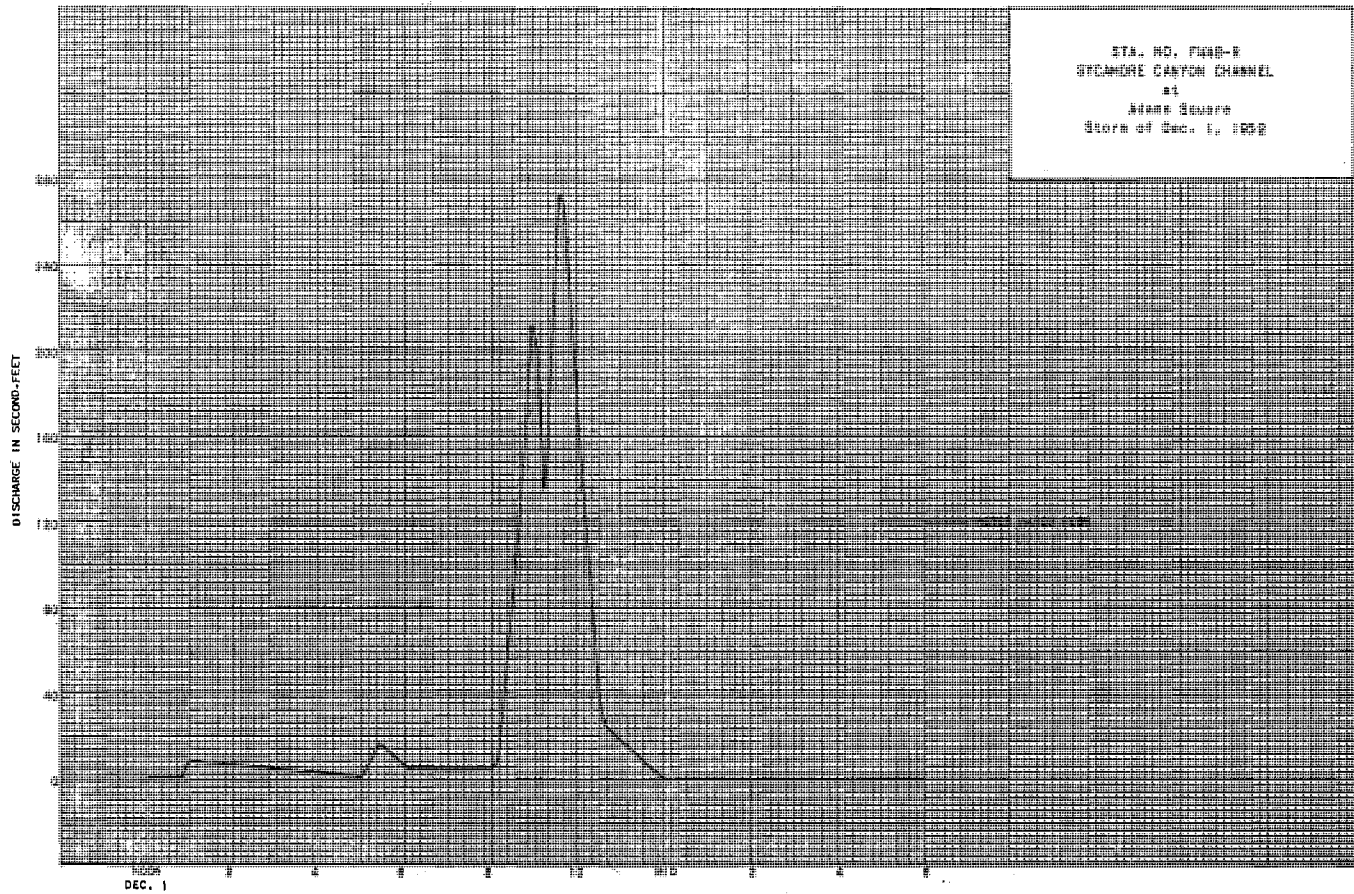
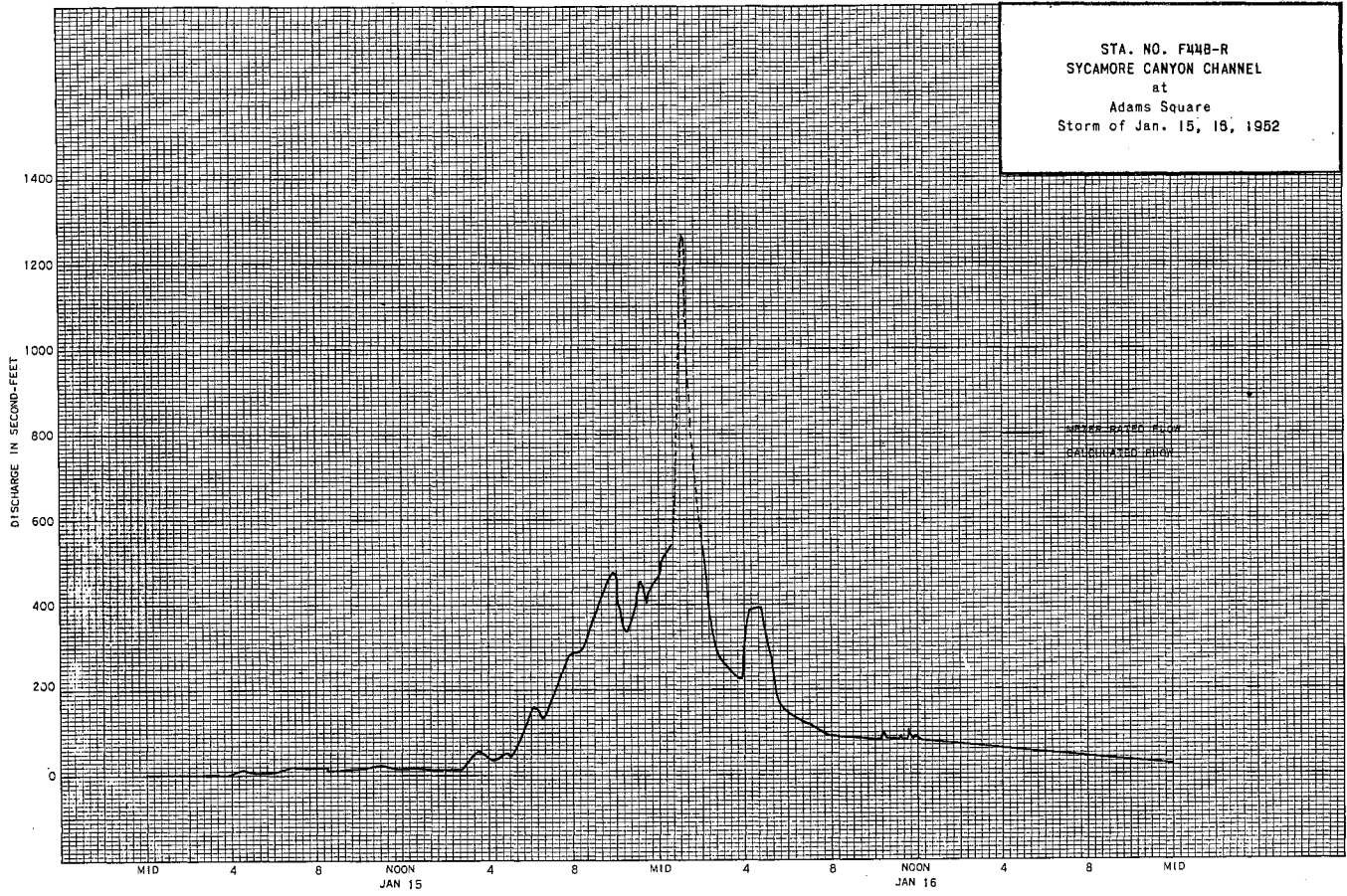
Daily discharge, in second-feet of SYCAMORE CANYON CHANNEL at Adams Square for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.001	+	1.4	0.1	0.2	1.8	0.5	0.5	0.1	0.1	0.02	0.01
2	0.001	+	0.03	0.1	0.2	0.05	0.05	0.05	0.01	0.01	0.02	0.01
3	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
4	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
5	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
6	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
7	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
8	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
9	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
10	0.001	+	0.03	0.1	0.2	0.05	0.04	0.04	0.01	0.02	0.02	0.01
11	0.001	+	0.5	0.4	0.2	0.5	0.3	0.2	0.1	0.02	0.01	0.01
12	0.001	+	0.02	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
13	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
14	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
15	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
16	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
17	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
18	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
19	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
20	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
21	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
22	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
23	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
24	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
25	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
26	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
27	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
28	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
29	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
30	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
31	0.001	+	0.04	0.4	0.2	0.3	0.2	0.1	0.02	0.02	0.01	0.01
TOTAL	0.19	68.2	63.7	19.2	5.7	7.2	6.39	0.78	0.30	0.60	0.40	0.30

MEAN	.006	2.28	2.06	0.62	.204	.232	.279	.025	.010	.019	.013	0.01
ACRE-Feet	0.4	135.	126.	38.	11.	14.	16.	1.5	0.6	1.2	0.8	0.6

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

YEAR OR PERIOD MEAN ACRES-Feet 0.68 345.



STATION F276-R
THOMPSON CREEK SPREADING GROUNDS INTAKE
at Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'37", ON THE RIGHT (WEST) SIDE AND AT THE DOWNSTREAM END OF THE 3 FT. X 3 FT. DIVERSION OUTLET THROUGH THOMPSON CREEK DAM. ELEVATION OF ZERO GAGE HEIGHT, 1624.45 FT.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - 3 FT. X 3 FT. CONCRETE-COVERED OUTLET WITH A TRANSITION INTO A 4-FT. DIAMETER SEMI-CIRCULAR FLUME. CONTROL - TRANSITION INTO SEMI-CIRCULAR FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: INSTALLED JANUARY 14, 1941 OVER A 24-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. A STEVENS TYPE L RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND/OR DIVERSIONS: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FT. X 3 FT. OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENING IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR.

RECORDS AVAILABLE: JANUARY 14, 1941 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 18 SECOND-FOOT MARCH 15.
MINIMUM NO FLOW MOST OF YEAR.
- 1952-53
NO FLOW FOR ENTIRE YEAR.
- 1940-53
MAXIMUM 21 SECOND-FOOT FEBRUARY 24, 1943.
MINIMUM NO FLOW MOST OF EACH YEAR.

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

REMARKS: PRIOR TO AUGUST 1953, THE WATER-STAGE RECORDER WAS LOCATED ON THE LEFT (EAST) SIDE OF THE DOWNSTREAM END OF THE DIVERSION OUTLET.

AT Thompson Creek Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FPM OR SEC.	GAUGE HEIGHT FEET	RISE ABOVE RES. FT.	WPT. INCHES	MEAS. NO.	S. HYD. NO.	WATER NO.
57	1-13	1249	STUNDEN	3.0	0.76	0.83		0.63	6	7	0	FC59
58	1-16	1138	"	3.5	2.15	3.16		8.8	6	6	0	FC36
59	1-20	1535	STUNDEN-CANAVAN	4.0	1.78	1.19		2.1	5	7	0	"
60	1-21	1149	STUNDEN	4.0	1.36	0.96		1.3	5	9	0	"
61	3-8	1358	STUNDEN-STEWART	3.5	1.74	1.55		2.7	5	6	0	"
62	3-12	1408	STUNDEN	4.0	1.66	1.14		1.9	5	6	0	"
63	3-17	1138	"	4.0	3.46	2.40		8.3	6	7	0	"
64	3-21	1649	STUNDEN-HYDE	4.0	1.45	0.97		1.4	6	8	0	"

INDIC. F. C. DIST. 10 9-56

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, 1952

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	0.5	0	0	0	0	0
8	0	0	0	0	0	0	1.8	0	0	0	0	0
9	0	0	0	0	0	0	1.4	0	0	0	0	0
10	0	0	0	0	0	0	1.4	0	0	0	0	0
11	0	0	0	0	0	0	2.7	0	0	0	0	0
12	0	0	0	0	0	0	3.5	0	0	0	0	0
13	0	0	0	0	0	0	5.5	0	0	0	0	0
14	0	0	0	0	0	0	5.5	0	0	0	0	0
15	0	0	0	0	0	0	4.4	0	0	0	0	0
16	0	0	0	0	0	0	4.8	0	0	0	0	0
17	0	0	0	0	0	0	5.7	0	0	0	0	0
18	0	0	0	0	0	0	5.4	0	0	0	0	0
19	0	0	0	0	0	0	5.4	0	0	0	0	0
20	0	0	0	0	0	0	5.5	0	0	0	0	0
21	0	0	0	0	0	0	4.4	0	0	0	0	0
22	0	0	0	0	0	0	4.4	0	0	0	0	0
23	0	0	0	0	0	0	4.4	0	0	0	0	0
24	0	0	0	0	0	0	7.7	0	0	0	0	0
25	0	0	0	0	0	0	11.4	0	0	0	0	0
26	0	0	0	0	0	0	11.4	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	1.3	0	0	0	0	0
29	0	0	0	0	0	0	1.3	0	0	0	0	0
30	0	0	0	0	0	0	1.3	0	0	0	0	0
31	0	0	0	0	0	0	1.3	0	0	0	0	0
	0	0	1.4	25.5	0	53.1	2.3	0	0	0	0	0

MEAN	0	0	0.05	1.92	0	1.71	0.08	0	0	0	0	0
MAX.	0	0	2.8	91.	0	105.	4.6	0	0	0	0	0

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

YEAR OR PERIOD MEAN ACRES-FOOT 0.22 163.

STATION F32-R
THOMPSON CREEK below Thompson Creek Dam

LOCATION: WATER-STAGE RECORDER, LAT. 34°08'22", LONG. 117°42'32", ON THE LEFT (EAST) BANK ABOUT 50 FEET BELOW THOMPSON CREEK DAM TUNNEL OUTLET AND ABOUT 2.5 MILES NORTH OF CLAREMONT. ELEVATION OF ZERO GAGE HEIGHT, 1579.94 FEET.

DRAINAGE AREA: 3.7 SQUARE MILES.

CHANNEL AND CONTROL: SAN DIMAS TYPE FLUME.

DISCHARGE MEASUREMENTS: ALL FLOWS MEASURED BY WADING.

RECORDER: INSTALLED DECEMBER 21, 1943. REINSTALLED AUGUST 1952 OVER A 3 FT. X 4 FT. CONCRETE STILLING WELL. A HORIZONTAL RATIONAL RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION AND /OR DIVERSION: INFLOW TO THOMPSON CREEK DAM FROM COBAL AND PALMER CANYONS CAN BE DIRECTED THROUGH A 3 FT. X 3 FT. OUTLET TUNNEL TO THOMPSON CREEK SPREADING GROUNDS. FLOW THROUGH THE DIVERSION TUNNEL CAN BE CONTROLLED BY TWO SLIDE GATES SO THAT ANY FLOW IN EXCESS OF THE CAPACITY OF GATE OPENINGS IS PASSED OVER A SPILLWAY BACK TO THE RESERVOIR. FLOW THROUGH THE 24-INCH OUTLET VALVE PASSES THE STATION. DISCHARGES OVER THE SPILLWAY OF THE DAM WOULD NOT BE RECORDED AT THIS STATION.

RECORDS AVAILABLE: RECORDER RECORDS DECEMBER 21, 1943 TO SEPTEMBER 30, 1953. FOR MEASUREMENTS PRIOR TO DECEMBER 21, 1943, SEE STATION F32-S. FROM MARCH 1928, SEE RECORDS BASED ON DAM OUTFLOW.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 5.3 SECOND-FEET MARCH 17.
MINIMUM NO FLOW MOST OF YEAR.

1952-53
NO FLOW FOR ENTIRE YEAR.

1944-53
MAXIMUM 5.3 SECOND-FEET MARCH 17, 1952.
MINIMUM NO FLOW EXCEPT IN MARCH 1952.

OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT FOR MEASURING OUTFLOW FROM THOMPSON CREEK DAM.

DISCHARGE MEASUREMENTS OF THOMPSON CREEK
below Thompson Creek Dam DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	SECT. NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. (IN)	METH. CO.	MEAN SEC. NO.	SL. ST. SPANNE TOTAL	METER NO.
21	3-17	1100	STUNDEN	4.0	4.41	1.20	0.44	5.3		6	9	0	FC36

FD-74 (Rev. 7-0-50)

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F32-R

Daily discharge, in second-feet of THOMPSON CREEK below Thompson Creek Dam for the year ending September 30, 19 52

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	16.4	0	0	0	0	0	0

MEAN	0	0	0	0	0	0.50	0	0	0	0	0	0
LOW	0	0	0	0	0	33.	0	0	0	0	0	0

Remarks:

YEAR OR PERIOD 045
MEAN ACRE-Feet 33.

STATION F54-R
TOPANGA CREEK above Mouth of Canyon

LOCATION: WATER-STAGE RECORDER, LAT. 34°03'52", LONG. 118°35'12", ON THE RIGHT (WEST) DOWNSTREAM ABUTMENT OF THE CONCRETE BRIDGE 2 MILES NORTH OF TOPANGA BEACH AND ABOUT 6 MILES NORTHWEST OF SANTA MONICA. ELEVATION OF ZERO GAGE HEIGHT, 285.60 FEET.

DRAINAGE AREA: 18 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL; ROCK AND GRAVEL. NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED JANUARY 1, 1930 AT STATION F54-R, REMOVED JUNE 4, 1940. INSTALLED JUNE 5, 1940 AT STATION F54S-R, REMOVED DECEMBER 9, 1941. RE-INSTALLED DECEMBER 9, 1941 AT THE APPROXIMATE FORMER LOCATION IN A CONCRETE HOUSE AND WELL CONSTRUCTED IN THE ABUTMENT OF THE CONCRETE BRIDGE. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1947 TO APRIL 25, 1949. A STEVENS CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: NONE.

DIVERSIONS: NONE.

RECORDS AVAILABLE: JANUARY 1, 1930 TO SEPTEMBER 30, 1953.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 6050 SECOND-FOOT JANUARY 15.
MINIMUM 0.01 SECOND-FOOT, OCTOBER 7 TO 13.
1952-53
MAXIMUM 702 SECOND-FOOT DECEMBER 1.
MINIMUM 0.02 SECOND-FOOT VARIOUS TIMES.
1930-53
MAXIMUM 9,300 SECOND-FOOT ESTIMATED MARCH 2, 1939.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

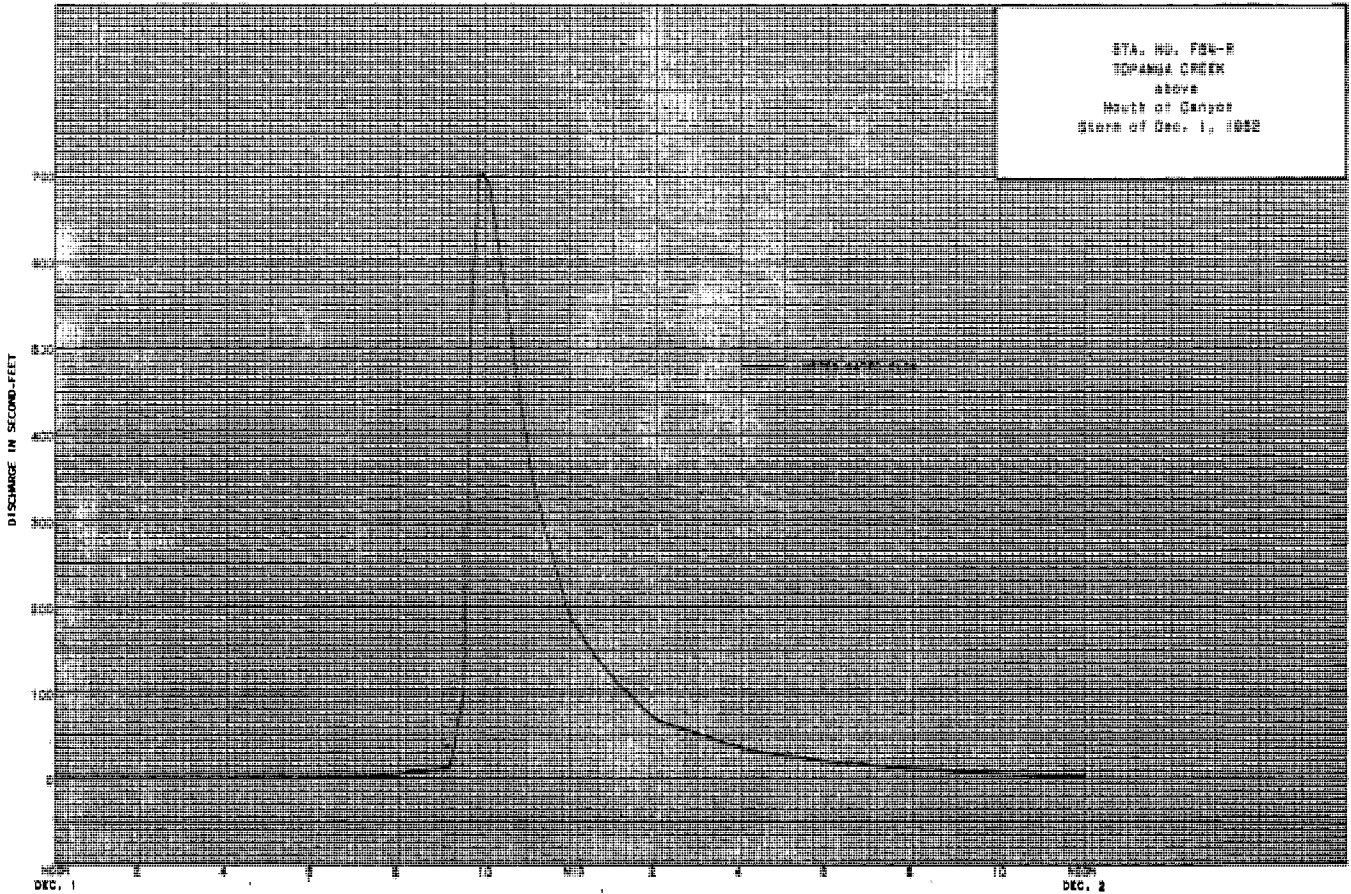
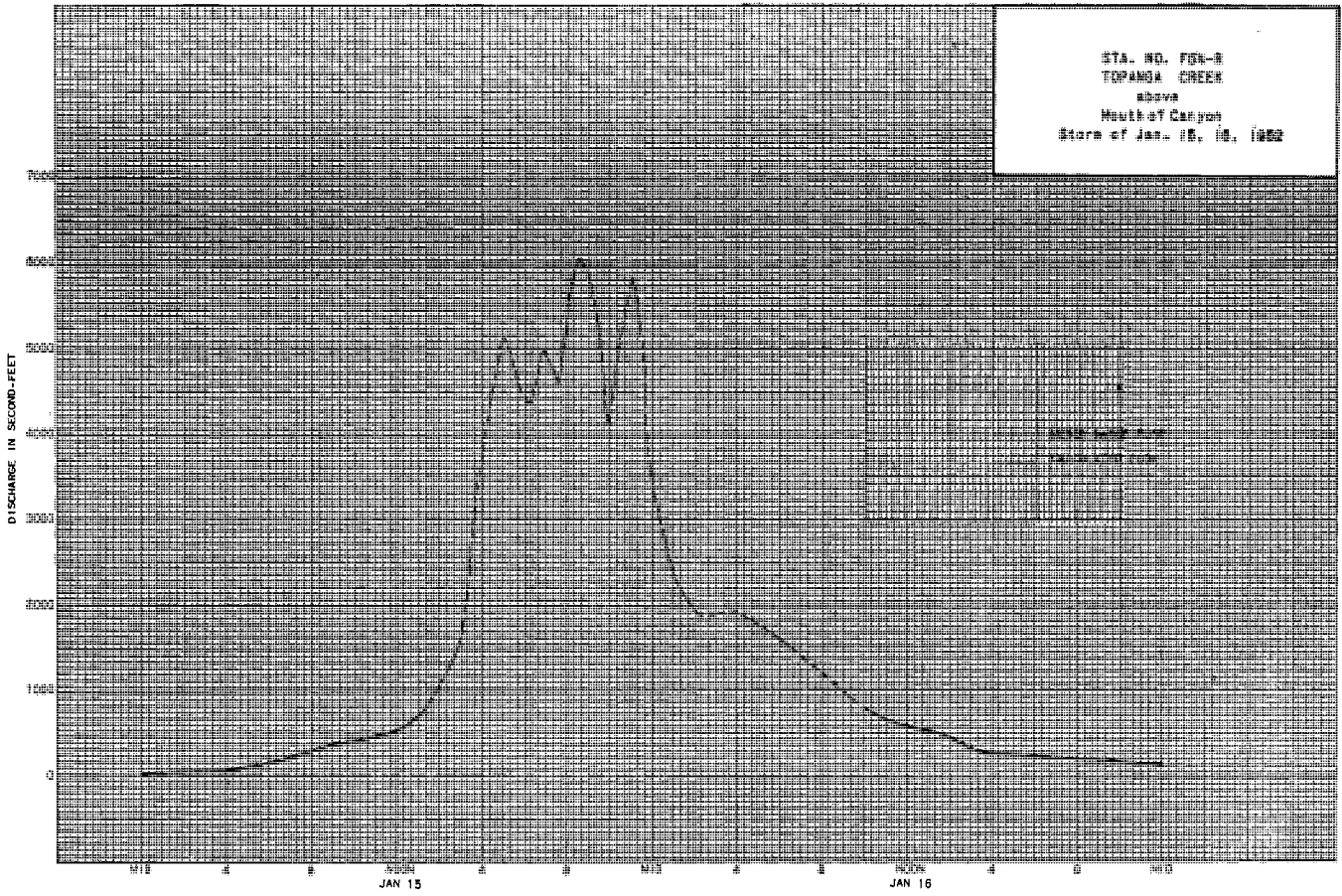
OPERATION: LOCATED, CONSTRUCTED AND OPERATED BY THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT IN COOPERATION WITH THE UNITED STATES GEOLOGICAL SURVEY, WATER RESOURCES BRANCH.

DISCHARGE MEASUREMENTS OF TOPANGA CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOOT PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. ED	MEAN NO.	ST. CHARGE TOTAL	METER NO.
721	11-8	1445 1448	BOLLINGER	1.1	0.08	0.50	2.14	0.04	FLOATS	3	0		
722	11-21	0850 0855	"	1.3	0.21	0.48	2.25	0.10		5	3	0	FC6
723	12-13	1443 1448	"	1.4	0.26	0.50	2.29	0.13		5	4	0	"
724	12-20	1550 1553	"	1.3	0.19	0.53	2.27	0.10		5	3	0	"
725	12-30	0915 0934	BOLLINGER-ROBBINS	18.0	22.1	1.71	3.40	37.7		6	17	-02	"
726	1-4	1511 1520	BOLLINGER	3.0	1.13	0.27	2.25	0.31		5	7	0	"
727	1-13	0650 0709	BOLLINGER-BROWN	28.5	21.5	2.97	3.68	63.9		6	18	-03	"
728	1-15	1316 1402	"	39.0	90.0	8.94	5.25	804		6	9	+41	"
729	1-17	1330 1300	BOLLINGER	22.3	31.1	1.58	3.48	49.3		6	19	0	FC20
730	1-20	1127	"	21.1	27.9	1.67	3.34	46.6		6	17	0	"
731	1-21	1530 1558	"	21.2	22.4	1.10	3.12	24.6		6	19	0	"
732	1-29	1445 1509	BOLLINGER-THOMAS	18.2	14.8	0.58	2.84	8.6		6	18	0	FC8
733	1-31	1700 1711	THOMAS	18.8	15.1	0.40	7.80	6.1		6	9	0	FC42
734	2-7	1330 1344	BOLLINGER	9.5	7.05	0.80	2.69	4.2		6	12	0	"
735	2-15	1513 1535	"	7.0	5.68	0.28	2.63	1.8		6	9	0	FC6
736	2-21	1725 1745	THOMAS	THREE CHANNELS			2.60	1.8		5	14	0	FC42
737	3-5	1620 1628	BOLLINGER	2.0	0.88	1.36	2.57	1.2		6	5	0	FC6
738	3-8	1127 1148	BOLLINGER-BROWN	31.7	34.5	2.02	3.50	69.7		6	16	-01	"
739	3-12	1332 1355	BOLLINGER	19.6	16.1	1.07	3.03	17.3		6	18	+02	"
740	3-18	1446 1512	BOLLINGER-HYDE	30.5	37.3	1.69	3.42	59.7		6	22	0	"
741	3-22	1624 1648	BOLLINGER	22.2	28.4	1.19	3.18	33.8		6	19	0	"
742	3-28	1630 1654	"	21.1	18.2	0.84	2.82	11.6		6	20	0	"
743	4-3	1510 1530	"	20.0	15.7	0.48	2.72	7.6		6	16	0	"
744	4-9	1330 1340	"	14.8	12.1	0.78	2.70	9.5		6	14	0	"
745	4-16	1626 1642	"	11.5	8.99	0.83	2.60	5.7		6	13	0	"
746	4-24	1635 1648	"	9.3	5.52	0.67	2.54	3.7		6	12	0	"
747	5-7	1647 1700	"	7.2	3.65	0.60	2.46	2.2		6	10	0	FC49
748	5-15	1516 1518	"	4.2	2.02	0.79	2.44	1.6		6	7	0	"
749	5-22	1533 1543	"	4.5	2.30	0.48	2.43	1.1		6	8	0	"
750	5-29	1156 1208	THOMAS	8.0	4.78	0.29	2.42	1.4		6	12	0	FC42
751	6-5	1538 1538	BOLLINGER	5.1	2.55	0.33	2.42	0.84		6	9	0	FC49
752	6-13	1433 1433	"	3.5	1.55	0.43	2.37	0.67		6	7	0	"
753	7-17	1425 1436	"	3.6	0.99	0.37	2.28	0.37		6	8	0	"
754	7-24	1525 1536	THOMAS	TWO CHANNELS			0.21			5	9	0	FC42
755	8-7	1633 1630	BOLLINGER	3.5	0.89	0.22	2.27	0.20		6	6	0	FC6
756	8-21	1540 1554	"	1.0	0.14	1.07	2.26	0.15		5	3	0	"
757	9-4	1413 1418	"	0.70	0.09	0.55	2.23	0.05		5	3	0	"
758	9-18	1543 1546	"	0.70	0.07	0.71	2.22	0.05		5	3	0	"

DISCHARGE MEASUREMENTS OF TOPANGA CREEK
above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FOOT PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. ED	MEAN NO.	ST. CHARGE TOTAL	METER NO.
759	10-9	1505 1510	BOLLINGER	0.7	0.06	0.88	2.22	0.07		5	3	0	FC6
760	10-23	1519 1519	"	0.8	0.09	0.44	2.23	0.04		FLOATS	4	0	"
761	11-13	1507 1511	"	0.9	0.14	0.57	2.22	0.08		"	4	0	"
762	11-15	1256 1312	BOLLINGER-WOOD	27.5	32.4	1.27	3.27	41.2		6	17	-02	FC6
763	11-20	1538 1543	BOLLINGER	1.2	0.29	0.62	2.24	0.18		5	4	0	"
764	12-2	1600 1614	"	8.0	4.08	1.10	2.61	4.5		6	11	0	"
765	12-3	1344 1344	"	5.0	1.96	0.92	2.43	1.8		6	8	0	"
766	12-11	1440 1448	"	4.0	1.20	0.48	2.32	0.57		6	8	0	FC49
767	12-20	1135 1150	BOLLINGER-LINGENFELDER	19.0	22.1	1.30	3.17	28.8		6	12	-02	FC6
768	12-23	1514 1523	BOLLINGER	5.7	3.53	0.57	2.42	2.0		6	8	0	"
769	12-31	1417 1437	"	17.0	13.5	0.47	2.67	6.4		6	16	0	"
770	1-8	1357 1370	"	14.0	7.83	0.59	2.58	4.6		6	12	0	"
771	1-15	1505 1505	"	11.1	5.60	0.32	2.45	1.8		6	11	0	"
772	1-29	1332 1342	"	5.2	1.78	0.51	2.36	0.91		6	7	0	"
773	2-11	1375 1375	"	3.6	1.26	0.50	2.34	0.63		6	8	0	"
774	2-19	1320 1320	WHISLER-BOLLINGER	3.2	0.98	0.41	2.33	0.40		5	7	0	"
775	2-28	1335 1335	BOLLINGER-DE MARS	3.4	1.12	0.45	2.32	0.50		6	7	0	"
776	3-5	1512 1512	BOLLINGER	3.0	0.99	0.40	2.32	0.40		6	7	0	"
777	3-12	1418 1437	"	3.2	1.05	0.41	2.32	0.43		6	7	0	"
778	3-19	1337 1337	HYDE-BOLLINGER	2.8	0.85	0.38	2.33	0.33		5	6	0	"
779	3-26	1413 1420	"	2.9	0.88	0.35	2.32	0.31		5	6	0	"
780	4-2	1410 1420	"	2.9	0.82	0.30	2.32	0.25		5	6	0	"
781	4-9	1325 1332	HYDE	2.8	0.83	0.28	2.24	0.23		6	6	0	FC35
782	4-16	1230 1236	"	2.8	0.85	0.20	2.24	0.17		6	6	0	FC49
783	4-20	1330 1248	"	5.0	2.61	1.00	2.50	2.6		6	10	-01	FC35
784	4-23	1350 1350	"	2.30	0.82	0.43	2.26	0.35		6	6	0	"
785	4-30	1325 1325	"	2.3	0.84	0.40	2.28	0.34		6	6	0	"
786	5-7	1225 1250	"	2.0	0.63	0.14	2.24	0.09		6	5	0	"
787	5-14	1225 1224	"	2.0	0.70	0.29	2.26	0.20		6	5	0	"
788	5-28	1315 1315	"	1.6	0.44	0.20	2.34	0.09		5	4	0	"
789	6-4	1414 1419	BOLLINGER	1.3	0.39	0.23	2.35	0.09		FLOATS	3	0	"
790	6-18	1445 1450	"	1.4	0.42	0.24	2.38	0.10		"	3	0	"
791	7-2	1349 1349	"	1.6	0.33	0.27	2.34	0.09		"	3	0	"
792	7-23	1230 1230	HYDE	1.2	0.23	0.09	2.30	0.02		5	4	0	FC35
793	7-30	1243 1250	"	1.2	0.25	0.12	2.30	0.03		5	4	0	"
794	8-13	1424 1429	BOLLINGER	0.80	0.10	0.80	2.31	0.06		FLOATS	3	0	"
795	9-10	1354 1358	"	0.80	0.10	0.50	2.31	0.05		FLOATS	2	0	"



STATION F264-R
VERDUGO CHANNEL at Del Valle Avenue

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}11'04''$, LONG. $118^{\circ}13'34''$, ON THE RIGHT (WEST) CHANNEL WALL AT THE NORTH CURB OF DEL VALLE AVENUE IN GLENDALE. ELEVATION OF ZERO GAGE HEIGHT 915.22 FEET.

DRAINAGE AREA: APPROXIMATELY 18.7 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE 86 FEET WIDE X 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: SOME LOW FLOW MEASUREMENTS MADE IN 1944, 1945 AND 1946. NO FACILITIES FOR HIGH FLOW MEASUREMENTS. UTILIZED PRINCIPALLY AS TIMING STATION.

RECORDER: INSTALLED JANUARY 14, 1938 OVER A RECTANGULAR 36-INCH X 48-INCH CONCRETE STILLING WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY VERDUGO AND OTHER DEBRIS BASINS.

RECORDS AVAILABLE: RECORDER RECORD FROM JANUARY 14, 1938 TO SEPTEMBER 30, 1953.

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

STATION F252-R
VERDUGO CHANNEL at Estelle Avenue

LOCATION: WATER-STAGE RECORDER, LAT. $34^{\circ}09'23''$, LONG. $118^{\circ}16'25''$, ON THE RIGHT (NORTH) SIDE OF CHANNEL AT ESTELLE AVENUE, 800 FEET EAST OF SAN FERNANDO ROAD AND ABOUT 2 MILES NORTHWEST OF GLENDALE. ELEVATION OF ZERO GAGE HEIGHT, 464.78 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 22.4 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - RECTANGULAR CONCRETE, 87 FEET WIDE BY 11 FEET DEEP TO BOTTOM OF INVERT. INVERT IS 1 FOOT BELOW BOTTOM OF VERTICAL SIDE WALLS. CHANNEL FORMS CONTROL.

DISCHARGE MEASUREMENTS: LOW FLOWS MEASURED BY WADING. HIGH FLOWS MEASURED FROM CABLE CAR 40 FEET ABOVE STATION.

RECORDER: INSTALLED DECEMBER 2, 1935 OVER A 20-INCH X 30-INCH CONCRETE WELL. AN H.C.F. CONTINUOUS RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO SEPTEMBER 30, 1953.

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, 1953. FOR EARLIER RECORDS, SEE STATION F9-R, VERDUGO AT GLEN OAKS BOULEVARD, AND F244-R, VERDUGO AT DON CARLOS STREET.

EXTREMES OF DISCHARGE:

1951-52
MAXIMUM 2920 SECOND-FEET JANUARY 16.
MINIMUM NO FLOW AT VARIOUS TIMES.
1952-53
MAXIMUM 1520 SECOND FEET NOVEMBER 15.
MINIMUM NO FLOW AT VARIOUS TIMES.
1935-53
MAXIMUM 4,400 SECOND-FEET ESTIMATED MARCH 2, 1938.
MINIMUM NO FLOW AT VARIOUS TIMES.

ACCURACY: FAIR.

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

FD-74M F. O. Dist. 82 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Street for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.1	5.4	+	0.1	5.1	0.1	+	0	+	+	+
2	+	0	2.0	0.2	0.1	+	0.1	0.1	+	0.1	+	+
3	+	0	+	0	0.1	+	0.1	0.1	+	0	+	0.1
4	0	0	11.1	+	0.1	+	0.1	+	+	0	+	+
5	0	0	10.1	+	0.1	+	0.1	+	+	+	0.1	+
6	+	+	0.4	4.0	0.1	6.0	0.1	+	+	+	+	+
7	0	+	0.1	14.2	0.1	134.0	20	0	+	+	+	+
8	0	+	0	1.1	0.1	1.5	1.0	+	+	+	+	0.4
9	0	0	0	+	0.1	0.2	0.2	+	0	0.1	+	0.1
10	+	0	0.1	+	+	3.7	6.1	+	+	+	+	+
11	+	+	27.0	+	+	0.5	0.2	+	+	0	+	+
12	0	+	22	17.0	+	2.4	0.1	+	+	+	+	+
13	0	+	0.3	2.2	+	0.5	0.1	+	+	+	0.1	+
14	0	+	0	0.5	0.1	0.5	0.1	+	0	0	0.1	+
15	0	+	0	37.6	+	31.8	0.1	+	0	0.1	+	+
16	0	+	0	42.2	+	13.8	+	+	+	+	+	+
17	0	0	0	374	+	33	0.1	+	0.1	+	0.2	+
18	0	0	0	350	+	12.9	0.1	+	+	+	0.1	+
19	0	3.3	4.8	12.9	+	7.5	24	+	+	+	+	2.5
20	0	3.1	+	2.0	+	2.8	0.5	+	+	+	0.1	0.1
21	0	5.1	+	2.0	+	2.3	0.1	+	0	+	+	+
22	0	+	0	0.7	+	1.8	0.1	+	0	+	+	+
23	0	+	0	0.7	+	1.2	0.1	+	0	0	+	+
24	7.5	0	0	2.0	0	1.0	0.1	+	0.1	0	+	0.2
25	2.1	0	0	3.6	+	0.7	15.0	0	0.1	0.1	+	0.1
26	+	0	0.2	1.0	0	0.7	1.0	0	+	+	+	0.6
27	0	0	0	0.2	0	0.2	0.2	+	+	+	+	0.1
28	0	+	0.6	0.2	0	0.2	1.1	+	+	+	+	0.1
29	0	+	0	0.2	13.0	0.2	1.3	0	0	+	+	0.1
30	0	+	6.3	0.1	0	0.2	0.1	+	0	+	+	0.1
31	+	0	0.4	0.1	0	0.2	0	0	0	0.1	+	0.1
MEAN	28.5	75.2	198.5	1765.1	14.0	673.6	73.1	0.2	0.5	0.7	0.7	5.0
ACRE- FEET	0.92	2.51	6.40	56.9	0.48	21.7	2.43	.006	0.01	.016	.026	0.17
Remarks:	+ = 0.05 c.f.s. or less											YEAR OR PERIOD MEAN ACRES-FEET 7.75 5630.

FD-74M Gb 12-53

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F252-R

Daily discharge, in second-feet of VERDUGO CHANNEL at Estelle Avenue for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	+	7.9	0.2	+	3.7	0.1	0.1	+	0.1	0.1	+
2	0.1	+	3.3	0.2	0.1	0.4	0.1	+	0	0.1	0	+
3	+	0.1	0.2	0.1	0.1	0.1	0.1	+	0	0.1	0	+
4	+	+	0	0.1	0.3	+	0.1	+	+	0.1	+	+
5	0.1	+	0.3	0.2	+	+	0.1	0.1	+	0.1	+	0.1
6	0.1	+	0.4	5.1	0.1	+	0.5	0.1	0.1	0.1	0.1	+
7	0.1	0.7	0.2	6.4	0.1	+	0.1	0.1	0.1	0.1	+	+
8	0.1	14.5	0.2	4.1	0.1	0.1	+	0	0.1	0.1	0.1	+
9	+	0.1	+	1.0	1.0	0.1	0.1	0.1	+	0.1	+	+
10	+	+	+	0.2	1.8	0.2	+	+	+	+	+	+
11	+	+	0.1	0.1	0.5	0.1	+	0.1	+	0.1	+	+
12	+	0.2	+	0.1	0.1	0.1	0.1	+	+	+	+	0.1
13	+	+	+	9.1	0.1	0.1	0.1	0.2	+	0.1	0.1	+
14	0.1	4.4	+	1.3	0.1	+	+	+	0.1	0.1	+	+
15	0.1	8.0	0.1	0.1	0.1	0.1	+	0.1	0.1	+	0.1	+
16	+	3.2	+	0.1	0.1	0.1	+	0.1	0.1	+	0.1	0
17	+	0.1	0.1	0.1	0.1	0.1	+	0.1	0.1	0	0.1	0
18	+	0.1	+	0.1	0.1	0.1	+	+	+	0.1	+	0.1
19	+	0.5	0.5	0.5	+	14.1	+	0.1	0.1	a	+	+
20	+	0.2	1.0	1.2	0.9	7.0	2.7	0.1	0.1	+	+	+
21	+	0.1	0.5	0.1	1.2	0.1	1.5	0.1	0.1	+	+	+
22	+	7.5	0.2	0.1	+	0.1	+	0.1	0.1	+	0.1	+
23	+	0.6	0.1	0.1	0.7	0.1	+	0.1	0.3	a	+	0
24	+	+	0.1	0.1	0.5	0.1	0.1	0.2	0.2	+	+	0
25	+	0.1	+	0.1	0.2	0.1	0.1	0.1	0.4	0.1	+	+
26	+	0.2	+	0.1	0.1	0.1	0.1	+	0.1	+	0.1	0
27	0.2	+	0.1	0.1	0.1	0.1	13.6	+	0.1	+	+	0
28	+	2.7	7.1	0.1	0.1	0.1	0.8	0.3	0.1	+	+	+
29	+	3.4	3.9	0.1	0.1	0.1	0.1	+	0.1	0.1	0.1	+
30	0.1	0	1.0	0.1	0.1	0.1	0.1	0	0.1	0	+	+
31	0.9	0	0	0.1	0.1	0.1	0	0	0	+	+	+
MEAN	2.0	158.3	232.5	31.4	8.6	27.5	20.3	2.1	2.5	1.5	1.0	0.3
ACRE- FEET	.064	5.28	7.50	1.02	0.31	0.89	0.68	.068	.083	.048	.032	.010
Remarks:	+ = 0.05 c.f.s. or less											YEAR OR PERIOD MEAN ACRES-FEET 1.34 968.

STATION F47-R
WALNUT CREEK at Covina Boulevard

LOCATION: WATER-STAGE RECORDER- LAT. 34°03'58", LONG. 117°59'00", ON THE DOWN-STREAM SIDE OF BALDWIN PARK AVENUE BRIDGE, ABOUT 2 MILES SOUTHWEST OF BALDWIN PARK. ELEVATION OF ZERO GAGE HEIGHT, 309.18 FEET. THIS STATION IS NEAR THE LOCATION OF THE STATION OPERATED FROM 1923 TO 1928 BY THE STATE DIVISION OF WATER RIGHTS.

DRAINAGE AREA: 102 SQUARE MILES.

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

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

RECORDER: INSTALLED DECEMBER 15, 1928 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER WAS IN SERVICE FROM OCTOBER 1, 1951 TO OCTOBER 14, 1952 WHEN STATION WAS DISCONTINUED.

REGULATION: FLOW PARTIALLY REGULATED BY BIG DALTON DAM, SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM, AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA AND AZUSA CANALS IN LITTLE DALTON WASH, AND BIG DALTON WASH, SAN DIMAS WASH AND WALNUT CREEK.

DIVERSIONS: SOME WATER DIVERTED FOR IRRIGATION.

RECORDS AVAILABLE: DECEMBER 15, 1928 TO OCTOBER 14, 1952. (FOR RECORDS PRIOR TO DECEMBER 15, 1928, SEE STATE DIVISION OF WATER RIGHTS BULLETINS.)

EXTREMES OF DISCHARGE:

- 1951-52
MAXIMUM 3130 SECOND-FOOT JANUARY 16.
MINIMUM NO FLOW MOST OF YEAR.
- 1928-52
MAXIMUM 8,060 SECOND-FOOT JANUARY 1, 1934.
MINIMUM NO FLOW MOST OF EACH YEAR.

ACCURACY: GOOD FOR LOW AND INTERMEDIATE FLOWS.

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

DISCHARGE MEASUREMENTS OF WALNUT CREEK

AT Baldwin Park Avenue (formerly Covina Boulevard) DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN- END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE MED. FT.	RAT- ION	METH- OD	MEAN MED. NO.	R. HT. CHANGE TOTAL	METER NO.
262	12-5	0745 0800	PAYNE	2.0	0.19	0.31		0.06			.5	5	FC28
263	12-12	0625 0630	"	14.0	4.10	1.07	2.52	4.4			.5	15	-.04
264	12-29	1328 1329	STUNDEN	77.6	98.2	3.72	3.91	366.		FLOAT SURF	.6	14	+ .12
265	12-30	0916 0922	STUNDEN-STEWART	30.0	20.6	3.04	2.77	62.6			.6	14	0
266	1-12	1910 1915	STUNDEN	14.0	9.45	3.57	2.48	33.7		FLOATS	.6	9	-.01
267	1-16	2400 0300	PAYNE-REBENS	76.0	141.	4.57	4.08	645.			.6	10	+ .25
268	1-16	2005 2015	" "	35.0	15.4	2.25	2.66	34.7			.6	11	+ .02
269	1-17	2200 2040	PAYNE-TREAT	88.3	170.	6.00	4.13	1020.			.6	11	+ .11
270	1-18	1025 1045	" "	80.7	78.1	4.27	3.28	334.			.6	10	-.06
271	3-7	0630 0650	" "	82.6	85.4	5.12	3.10	438.			.6	7	+ .06
272	3-7	0655 0915	" "	93.1	158.	7.40	3.71	1170.			.6	7	+ .04
273	3-7	1320 1330	" "	90.2	174.	6.78	3.65	1180.			.6	7	-.10
274	3-15	1305 1310	TREAT-STEWART	38.0	22.0	2.44	2.75	53.8			.6	10	+ .18
275	3-15	2005 2025	" "	97.0	177.	5.45	4.07	965.			.6	11	+ .03
276	3-16	1620 1630	TREAT	48.0	31.2	2.75	2.90	85.7			.6	12	-.01

FORM P. C. 216-2 9-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F47-R

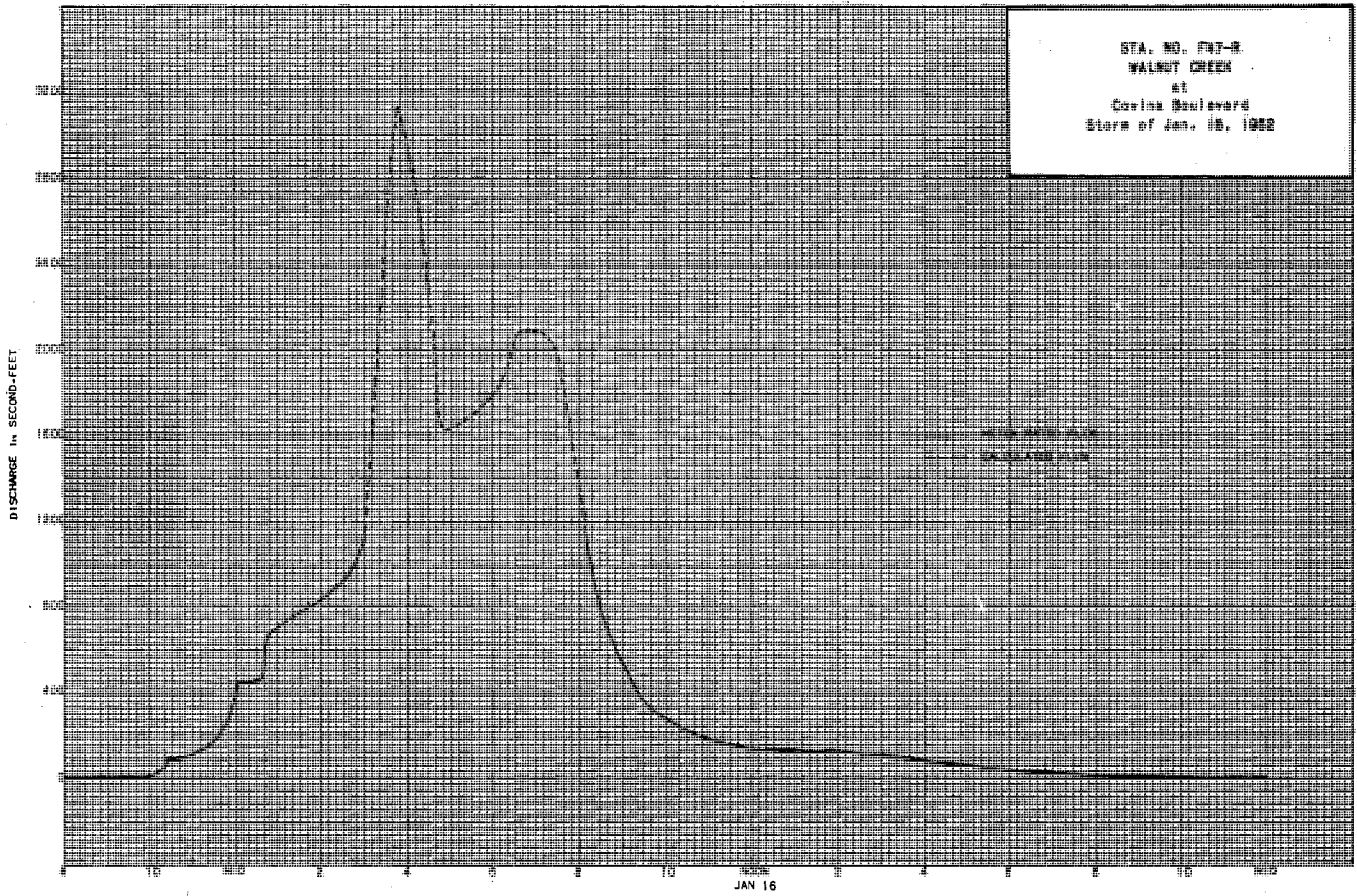
Daily discharge, in second-feet of WALNUT CREEK at Baldwin Park Avenue (formerly Covina Boulevard) for the year ending September 30, 1952

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	2.5	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	5.5	1.3	0	0	0	0	0
8	0	0	0	0	0	0	1.6	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0.3	1.1	0	0	0	0	0
11	0	0	0	0	0	0	0.2	0	0	0	0	0
12	0	0	0.2	6.9	0	3.0	0	0	0	0	0	0
13	0	0	0	21.2	0	0.5	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	2.1	0	2.6	0	0	0	0	0	0
16	0	0	0	61.8	0	14.0	0	0	0	0	0	0
17	0	0	0	45.0	0	1.1	0	0	0	0	0	0
18	0	0	0	51.6	0	3.5	0	0	0	0	0	0
19	0	0	0	0	0	4.2	6.6	0	0	0	0	0
20	0	0	0	0	0	0	1.5	0	0	0	0	0
21	0	0	0	9.0	0	0	0	0	0	0	0	0
22	0	0	0	7.4	0	0	0.1	0	0	0	0	0
23	0	0	0	0	0	0	+	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0.7	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	24.9	0	0	0	0	0	0	0	0	0
30	0	0	5.0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	301.7	1903	0	999.7	12.9	0	0	0	0	0

MEAN	0	0	9.70	61.0	0	32.0	0.42	0	0	0	0	0
ACRE- FEET	0	0	598.	3770	0	1980.	25.	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRES- FEET 3.79 6370.



STATION F304-R
WALNUT CREEK AT PUENTE AVENUE

LOCATION: WATER-STAGE RECORDER, LAT 34°03'59", LONG. 117°37'37", ON THE LEFT (SOUTH) DOWNSTREAM WING WALL OF PUENTE AVENUE BRIDGE. ELEVATION OF ZERO GAGE HEIGHT 329.77 FEET ABOVE MEAN SEA LEVEL.

DRAINAGE AREA: 65.6 SQUARE MILES.

CHANNEL AND CONTROL: CHANNEL - EARTH, SAND AND GRAVEL WITH PIPE AND WIRE PROTECTING EARTH LEVEES, NO ARTIFICIAL CONTROL.

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

RECORDER: INSTALLED OCTOBER 14, 1952 OVER AN 18-INCH DIAMETER CORRUGATED IRON PIPE STILLING WELL. AN H.C.F. RECORDER IN SERVICE FROM OCTOBER 14, 1952 TO SEPTEMBER 30, 1953.

REGULATION: FLOW PARTIALLY REGULATED BY SAN DIMAS DAM, PUDDINGSTONE DIVERSION DAM, PUDDINGSTONE DAM AND LIVE OAK DAM. IRRIGATION COMPANIES AT TIMES SPREAD SAN GABRIEL RIVER WATER FROM THE COVINA CANAL IN WALNUT CREEK.

DIVERSIONS: SEVERAL DIVERSIONS FOR IRRIGATION AND DOMESTIC USE.

RECORDS AVAILABLE: OCTOBER 14, 1952 TO SEPTEMBER 30, 1953. SEE STATION F47-R, WALNUT CREEK AT COVINA BOULEVARD, FOR PREVIOUS RECORDS.

EXTREMES OF DISCHARGE:
1952-53
MAXIMUM 713 SECOND-FEET DECEMBER 1.
MINIMUM NO FLOW MOST OF YEAR.

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

DISCHARGE MEASUREMENTS OF WALNUT CREEK
Puente Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE WEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAS- URE NO.	S. FT. CHANGE TOTAL	WEIR NO.
1	11-14	1830 1838	STUNDEN	45.0	13.6	1.95	3.70	16.9		.5	12	-.04	FC36
2	11-18	1153 1210	WHISLER-TREAT	44.6	57.8	5.89	4.59	340.		.5	10	-.21	FC3
3	11-18	1225 1255	"	43.7	49.7	5.22	4.41	254.		.6	10	-.12	"
4	11-18	1855 1859	"	45.0	18.5	1.82	3.82	33.7		.6	12	-.01	"
5	12-1	2310 2330	TREAT-BELL	49.0	98.6	7.14	5.10	668.		.6	10	+ .20	FC45
6	12-2	0810 0850	STUNDEN	3.5	0.86	1.02	3.31	0.88		.5	8	-.01	FC36
7	12-20	0850 0950	TREAT	42.0	23.8	2.77	3.72	68.0		.6	15	-.05	FC45
8	12-20	1120 1125	"	42.0	11.0	1.34	3.48	14.8		.6	15	-.05	"
9	12-30	2015 2025	"	41.0	13.7	1.86	3.57	25.8		.6	15	-.04	"

FD-108 F. C. DIST. 08 8-52

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No. F304-R

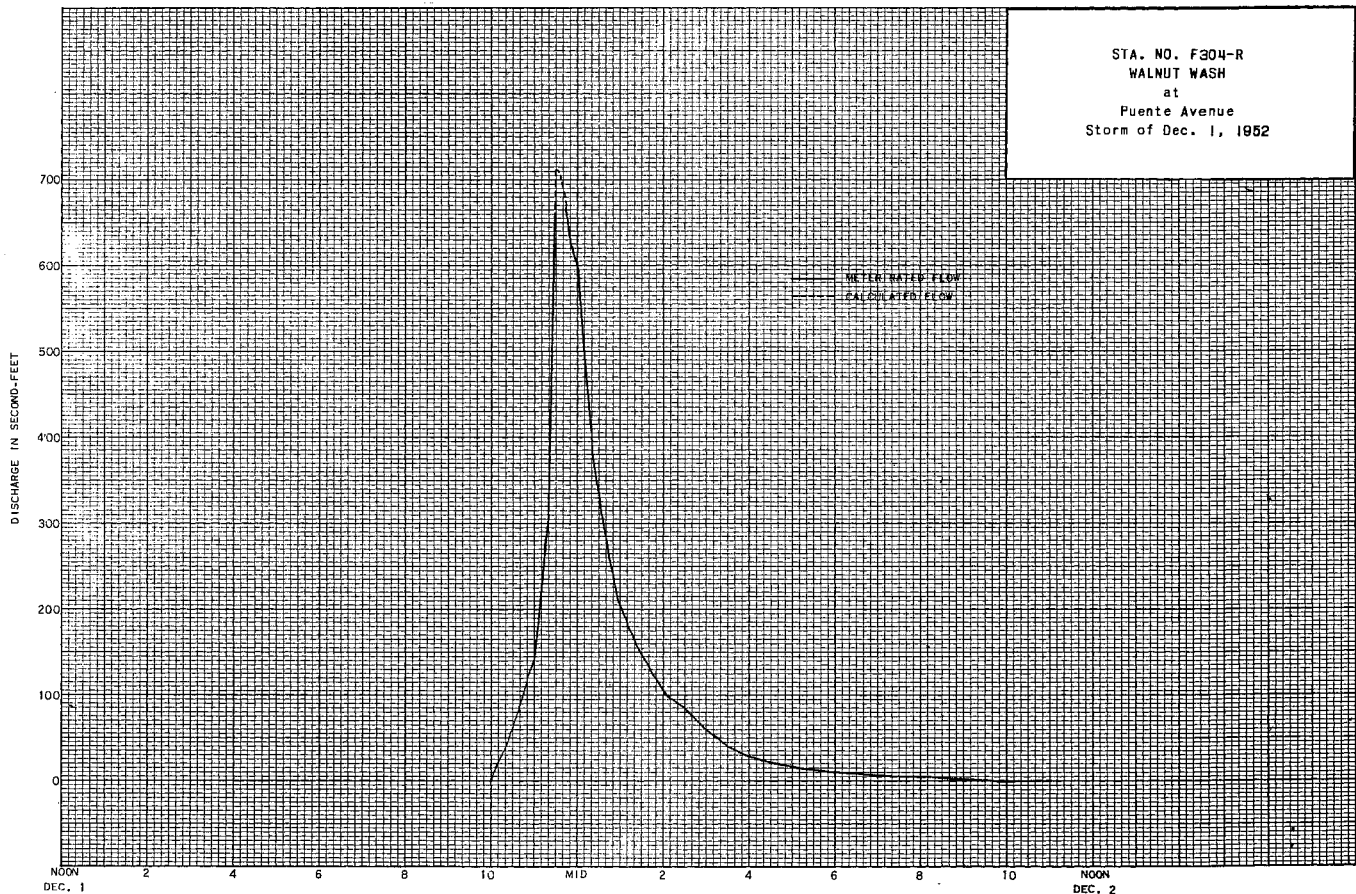
Daily discharge, in second-feet of WALNUT CREEK at Puente Avenue, for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	26	0	0	0	0	0	0	0	0	0
2	0	0	29	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	4.7	0	0	0	0	0	0	0	0	0	0
16	0	1.4	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	1	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
		68.4	69.4	5.2			0.9					

MEAN	0	2.28	2.24	0.26	0	0	.029	0	0	0	0	0
ACRE-FEET	0	136.	138.	16.	0	0	1.8	0	0	0	0	0

Remarks:

YEAR OR PERIOD MEAN ACRE-FEET 0.70 292.



STAFF GAGING STATIONS

DISCHARGE MEASUREMENTS OF ARROYO SECO F88-S
 AT Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1952

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S
 AT Head of Pipeline DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DD	MEAN. REC. NO.	S. HT. CHAMBE TOTAL	METER NO.	
239	10-4	1143	BLAKELY	6.4	1.11	0.51		0.57		5	7		FC2A	
240	11-1	0898	"	8.5	0.45	1.57		0.75		FLOATS	4			
241	11-15	1450	"	8.5	0.58	1.55		0.90		"	5			
242	12-31	1237	COMPOSITE MEASUREMENTS										187	
243	1-10	1213	"	18.7	5.55	1.55		8.6			11			
244	3-18	1490	LANG	58.0	25.6	3.48		89.2			16		FC12	
245	7-3	1212	THOMAS	11.2	1.91	2.67		5.1		FLOATS	7			
246	7-24	1340	BLAKELY	6.0	1.23	0.98		1.2			6		FC2A	

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DD	MEAN. REC. NO.	S. HT. CHAMBE TOTAL	METER NO.
753	10-4	1135	WADDICOR	4.5	1.44	0.80		1.3			5	6	FC37
754	10-11	1190	"	4.5	1.59	0.82		1.3			5	6	"
755	10-18	1136	"	4.5	1.50	0.93		1.4			5	6	"
756	10-25	1102	"	4.5	1.70	0.94		1.6			5	6	"
757	11-1	1195	"	4.5	1.69	1.00		1.7			5	6	"
758	11-8	1332	"	4.5	1.80	0.89		1.6			6	6	"
759	11-15	1115	"	4.5	1.76	0.97		1.7			5	6	"
760	11-23	1138	"	4.5	2.18	0.87		1.8			5	6	"

DISCHARGE MEASUREMENTS OF ARROYO SECO F88-S
 AT Avenue 26 DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	RAISE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. DD	MEAN. REC. NO.	S. HT. CHAMBE TOTAL	METER NO.
247	2-5	1525	LUCE	4.2	1.14	1.40		1.6		.5	7		FC41
248	2-11	1810	"	5.0	1.38	1.30		1.8		.6	6		"
249	2-19	1715	"	5.0	1.38	1.38		1.9		.5	7		"
250	2-26	1445	"	5.7	0.82	1.22		1.0		.5	7		"
251	3-5	1413	LUCE-WHISLER	4.2	0.78	1.04		0.81		.5	6		"
252	3-12	1317	LUCE	4.0	0.72	1.18		0.85		.5	9		"
253	3-19	1407	LUCE-DE MARS	4.0	0.76	1.16		0.88		.6	7		"
254	3-26	1530	LUCE	6.0	0.72	1.04		0.75		.5	7		"
255	4-2	1045	"	6.7	0.99	1.13		1.12		.6	8		"
256	4-9	1420	"	4.0	0.60	1.06		0.64		.5	9		"
257	4-16	1447	"	3.9	0.69	1.16		0.79		.5	8		"
258	4-23	1530	"	5.0	0.84	1.31		1.1		.5	7		"
259	4-30	1442	"	4.3	0.71	1.24		0.88		.5	8		"
260	5-7	1300	"	7.0	0.82	1.06		0.87		.5	9		"
261	5-14	1130	"	4.5	0.61	1.15		0.70		.5	9		"
262	5-21	1452	"	4.6	0.63	1.02		0.64		.5	6		"
263	5-28	1332	"	4.6	0.61	1.03		0.63		.5	6		"
264	6-4	1430	WHISLER	4.5	0.63	1.10		0.69		.5	10		FC5
265	6-11	1435	"	6.5	0.62	1.47		0.91		FLOAT	7		"
266	6-18	1430	LUCE	4.5	0.68	1.22		0.83		.5	7		FC41
267	6-25	1385	"	4.5	0.67	1.03		0.69		.5	7		"
268	7-2	1417	"	6.0	0.76	1.28		0.97		.6	7		"
269	7-9	1526	"	4.8	0.65	1.11		0.72		.5	7		"
270	7-16	1405	LUCE-GODFREY	6.5	0.82	1.00		0.82		.6	9		"
271	7-23	1545	LUCE	6.2	0.72	0.89		0.64		.5	8		FC41
272	7-30	1536	"	4.5	0.75	1.03		0.77		.5	7		"
273	8-6	1448	"	6.5	0.65	0.94		0.61		.5	8		"
274	8-13	1445	"	5.5	0.75	0.89		0.67		.5	8		"
275	8-20	1500	"	5.1	0.78	1.54		1.2		.5	7		"
276	8-27	1545	"	4.3	0.58	1.45		0.84		.5	6		"
277	9-4	0863	"	3.5	0.53	1.43		0.76		.5	7		"
278	9-10	0913	DE MARS	6.5	0.77	0.97		0.75		.6	9		FC34
279	9-17	1418	LUCE	5.0	1.60	1.00		1.6		.5	8		FC41
280	9-24	0832	"	5.2	0.75	1.48		1.1		.5	8		"

761	11-29	1110	"					1.2					EST.
762	12-6	1120	"					1.2					EST.
763	12-13	1046	"					2.5					EST.
764	12-20	1140	"					0					
765	12-27	1040	"					0					
766	1-10	1145	"					0					
767	2-7	1025	"					0					
768	2-14	1110	"					0					
769	2-21	1140	"					0					
770	2-28	1130	"					0					
771	3-6	1145	"					0					
772	3-14	"	"					0					
773	3-27	"	"					0					
774	4-3	"	"					0					
775	4-17	"	"					0					
776	5-1	"	"					0					
777	5-8	1130	"					0					
778	5-15	1020	"	4.5	4.04	2.60		10.5			6	6	FC37
779	5-22	1045	"	4.5	4.05	2.25		9.1			6	6	"
780	5-29	1400	"	4.5	4.05	2.27		9.2			6	6	"
781	6-5	1140	"	3.0	RECTANGULAR WEIR	0.70		5.9					
782	6-12	1600	"	3.0	"	0.49		3.4					
783	6-19	1110	"	6.0	"	0.30		3.3					
784	6-26	1500	"		"	0.50		EST.					
785	7-3	1130	"	6.0	RECTANGULAR WEIR	0.36		4.3					
786	7-10	1300	"	3.0	"	0.37		2.2					
787	7-17	1130	"	3.0	"	0.54		4.0					
788	7-24	1110	"	3.0	"	0.57		4.4					
789	7-31	1330	"	6.0	"	0.28		3.0					
790	8-7	1200	"	3.0	"	0.57		4.3					
791	8-14	1135	LANG-WADDICOR	3.0	"	0.47		3.2					
792	8-21	1047	LANG	3.0	"	0.68		3.3					
793	8-28	1110	"	6.0	"	0.21		1.9					
794	9-4	1155	WADDICOR-LA BAHN	6.0	"	0.22		2.1					
795	9-11	1107	WADDICOR-DE MARS	3.0	"	0.40		2.5					
796	9-18	1030	WADDICOR	3.0	"	0.42		2.7					
797	9-25	1100	"	3.0	"	0.40		2.5					

DISCHARGE MEASUREMENTS OF BANTA DITCH F87-S
 AT Head of Pipe Line DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. CO.	MEAS. RES. NO.	S. IN CHANGE TOTAL	METER NO.
796	10-2	1150	WADDICOR	3.0		0.42	2.7		RECT.	WEIR			
799	10-9	1120	"	3.0		0.48	3.3		"	"			
800	10-15	1400	"	3.0		0.47	3.2		"	"			
801	10-23	0940	"	3.0		0.47	3.3		"	"			
802	10-30	1510	"				0						
803	11-6	1040	"				0						
804	11-13	0845	"				0						
805	11-20	0900	"				0						
806	11-26	0750	"				0						
807	12-4	1120	"				0						
808	12-11	1205	"				0						
809	12-18	1120	"				0						
810	12-26	1140	"				0						
811	12-31		"				0						
812	1-15	1312	WADDICOR-HHISLER				0						
813	1-22	1110	WADDICOR				0						
814	1-29	1125	"				0						
815	2-5	1540	"				0						
816	2-11	1257	"				0						
817	2-19	1555	"				0						
818	2-26	1065	HYDE				0						
819	3-5	0945	WADDICOR				0						
820	3-12		HYDE				0						
821	3-19	0950	WADDICOR				0						
822	3-26	1100	"	3.0		0.94	9.1		RECT.	WEIR			
823	4-2	1305	WADDICOR-LINDSAY				8.0		EST.				
824	4-9	1430	WADDICOR	3.0		0.90	8.5		RECT.	WEIR			
825	4-16	1085	"	3.0		1.00	10.0		"	"			
826	4-23	1230	"	3.0		0.99	9.8		"	"			
827	4-30	1145	"	3.0		0.42	2.7		"	"			
828	5-7	1335	"	6.0		0.65	10.5		"	"			
829	5-14	1100	"	3.0		0.86	8.0		"	"			
830	5-21	1130	"	3.0		0.82	7.4		"	"			
831	5-28	1415	"	3.0		0.92	8.8		"	"			
832	6-4	1115	"	3.0		0.72	6.1		"	"			
833	6-11	1255	WADDICOR-THOMAS	6.0		0.46	6.2		"	"			
834	6-18	1100	WADDICOR	3.0		0.76	6.6		"	"			
835	6-25	1325	"	6.0		0.32	3.6		"	"			
836	7-2	1100	"	3.0		0.72	6.1		"	"			
837	7-9	1100	"	3.0		0.40	2.5		"	"			
838	7-16	1235	WADDICOR-HASKELL	3.0		0.32	1.8		"	"			
839	7-23	1100	WADDICOR				0						
840	7-30	1115	"	3.0		0.48	3.3		RECT.	WEIR			
841	8-6	1140	WADDICOR-GODFREY	3.0		0.45	3.0		"	"			
842	8-13	0810	WADDICOR	3.0		0.42	2.7		"	"			
843	8-20	1300	GODFREY	3.0		0.40	2.6		"	"			
844	8-27	1305	"	3.0		0.31	1.8		"	"			
845	9-2	1110	WADDICOR	3.0		0.47	3.2		"	"			
846	9-11	1030	"	3.0		0.45	3.0		"	"			
847	9-18	1105	"	3.0		0.45	3.0		"	"			
848	9-25	1115	"	3.0		0.40	2.5		"	"			

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S
 below Valverme Diversion DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. CO.	MEAS. RES. NO.	S. IN CHANGE TOTAL	METER NO.
38	1-10	1205	LUCE	8.7	4.72	1.59		7.5			.6 10		FC39
39	1-25	1325	LUCE - BLAKE	TWO	CHANNELS			42.2			.6 20		"
40	2-19	1020	LUCE	9.5	8.00	2.76		22.1			.6 12		"
41	2-27	1199	"	12.0	7.70	1.89		14.1			.6 15		"
42	3-12	1355	"	13.0	6.59	3.03		20.0			.6 14		FC41
43	3-26	0825	"	18.7	16.5	3.05		50.4			.6 12		"
44	4-9	1090	"	33.0	24.9	2.88		71.9			.6 17		"
45	4-25	0835	"	35.0	23.6	2.81		66.4			.6 16		"
46	5-7	1082	"	30.0	21.1	2.62		55.0			.6 18		"
47	5-21	1340	"	31.0	21.2	2.52		53.4			.6 18		"
48	6-18	1550	"	25.7	15.3	1.99		30.5			.6 16		FC28
49	7-2	1245	"	TWO	CHANNELS			19.0			.6 18		FC41
50	7-18	1379	TURNER	THREE	CHANNELS			13.8			.6 21		FC43
51	8-13	1550	LUCE	TWO	CHANNELS			9.8			.6 19		FC41
52	8-28	1010	"	"	"			6.3			.6 18		"
53	9-10	1445	"	"	"			5.6			.6 12		"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F171-S
 below Valverme Diversion DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FEET PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INS	METH. CO.	MEAS. RES. NO.	S. IN CHANGE TOTAL	METER NO.
54	10-22	1020	LUCE	CHANNELS				2.2			.5 13		FC41
55	11-5	1250	"	"				2.3			.6 13		"
56	11-22	1940	"	"				8.6			.6 13		"
57	11-26	1230	THOMAS	6.4	1.92	1.35		2.6			.5 8		FC42
58	1-14	1344	HYDE-LUCE	CHANNELS				11.9			.6 14		FC35
59	1-29	1415	TURNER-LUCE	"				9.9			.6 16		FC41
60	2-5	1400	TURNER	"				7.4			.6 14		FC43
61	2-13	1400	"	"				8.5			.6 15		"
62	2-19	1320	"	"				6.9			.6 15		"
63	2-26	1300	"	"				7.7			.6 15		"
64	3-5	1235	"	"				6.6			.6 15		"
65	3-12	1312	"	"				6.4			.6 15		"
66	3-19	1340	"	"				4.5			.6 14		"
67	3-26	1255	"	"				4.4			.6 14		"
68	4-2	1370	"	"				4.4			.6 13		"
69	4-9	1312	"	"				5.5			.6 15		"
70	4-23	1340	"	"				5.3			.6 13		"
71	5-7	1345	"	7.0	2.63	0.19		0.51			.6 7		"
72	5-20	1312	"	2.5	0.35	0.37		0.13			.5 4		"
73	7-23	1330	"	2.2	0.29	0.31		0.09			FLOATS	5	"
74	9-3	1325	"	2.6	0.24	0.29		0.07			"	4	"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

above Palette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 52

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. DO.	MEAS. NO.	S. MT. CHANGE TOTAL	METER NO.
214	10-3	1015 1025	LUCE	2.7	0.49	1.14		0.56	.6	7			FC41
215	10-17	0815 0825	"	3.1	0.49	1.14		0.56	.6	7			"
216	10-31	1625 1635	"	3.9	1.02	0.53		0.54	.6	9			"
217	11-15	1205 1215	"	3.8	1.11	0.82		0.69	.6	9			"
218	11-29	1505 1510	"	4.5	1.12	0.57		0.64	.6	10			"
219	12-13	1500 1510	"	10.7	4.52	1.46		6.6	.6	13			"
220	12-26	1340 1350	"	5.5	1.60	0.43		0.69	.6	8			"
221	1-10	1410 1420	"	4.6	1.40	0.55		0.77	.6	9			FC39
222	1-25	1510 1520	LUCE-BLAKE	16.5	11.3	3.66		41.4	.6	14			"
223	2-13	1330 1340	LUCE	10.6	7.96	2.56		20.4	.6	13			"
224	2-27	1405 1415	"	9.8	6.95	2.03		13.3	.6	13			"
225	3-12	1600 1615	"	13.4	8.69	2.97		25.8	.6	15			FC41
226	3-26	1235 1245	"	17.0	12.5	4.03		50.4	.6	14			"
227	4-9	1450 1455	"	25.0	20.0	4.19		83.8	.6	16			"
228	4-25	1310 1325	"	28.5	21.1	3.35		70.6	.6	18			"
229	5-7	1325 1340	"	25.0	17.7	3.21		56.8	.6	16			"
230	5-21	1550 1605	"	25.1	18.4	3.38		82.2	.6	19			"
231	6-4	1500 1515	"	18.0	15.5	3.60		55.7	.6	13			"
232	6-18	1555 1555	"	18.0	13.3	2.55		33.8	.6	14			"
233	7-2	1505 1515	"	16.2	11.1	2.16		24.0	.6	12			"
234	7-18	1100 1112	TURNER	12.0	10.6	2.08		22.1	.6	10			FC43
235	8-13	1635 1645	LUCE	10.5	8.40	1.38		11.6	.6	10			FC41
236	8-28	1305 1315	"	12.5	8.13	1.23		12.3	.6	12			"
237	9-10	1605 1615	"	12.0	7.40	1.31		9.7	.6	10			"
238	9-24	1625 1655	LUCE	12.5	7.42	1.21		9.0	.6	12			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F143-S

above Palette Creek DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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. DO.	MEAS. NO.	S. MT. CHANGE TOTAL	METER NO.
239	10-8	1505 1515	LUCE	9.5	4.25	1.79		7.6	.6	9			FC41
240	10-22	1405 1415	"	6.8	3.48	2.16		7.5	.6	8			"
241	11-5	1600 1620	"	6.6	3.65	2.00		7.3	.6	8			"
242	11-22	1352 1410	"	8.0	4.95	2.79		13.8	.6	10			"
243	12-3	1225 1235	"	11.5	7.15	1.93		13.8	.6	10			"
244	12-22	1355 1405	"	12.2	8.06	2.10		16.9	.6	10			"
245	1-7	1415 1425	"	14.0	7.54	2.14		16.1	.6	11			"
246	1-14	1437 1447	HYDE-LUCE	12.0	8.02	1.95		15.6	.6	11			FC35
247	1-21	1610 1620	LUCE	13.0	7.26	1.54		11.2	.6	12			FC41
248	1-29	1500 1508	TURNER-LUCE	13.5	8.27	1.56		12.9	.6	8			"
249	2-5	1510 1520	TURNER	13.0	7.70	1.55		11.9	.6	9			FC43
250	2-13	1285 1295	"	12.6	8.67	1.41		12.2	.6	10			"
251	2-19	1505 1515	"	12.5	7.93	1.35		10.7	.6	8			"
252	2-26	1440 1450	"	12.5	8.55	1.36		11.6	.6	10			"
253	3-5	1420 1430	"	12.0	7.96	1.26		10.0	.6	10			"
254	3-12	1455 1505	"	11.9	7.88	1.22		9.6	.6	10			"
255	3-19	1505 1515	"	11.5	6.97	1.10		7.7	.6	9			"
256	3-26	1425 1435	"	11.4	6.94	1.01		6.7	.6	9			"
257	4-2	1450 1500	"	11.5	6.85	0.98		6.5	.6	9			"
258	4-9	1435 1445	"	11.5	7.24	1.08		7.8	.6	9			"
259	4-23	1505 1515	"	11.5	7.09	1.09		7.7	.6	9			"
260	5-7	1441 1447	TURNER-BOLLINGER	10.5	5.08	0.67		3.4	.6	9			"
261	5-20	1410 1420	TURNER	10.7	4.95	0.53		2.6	.6	12			"

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. DO.	MEAS. NO.	S. MT. CHANGE TOTAL	METER NO.
262	6-4	1320 1330	"	10.4	4.76	0.61		2.9	.6	9			"
263	6-17	1310 1320	"	10.0	4.39	0.52		2.3	.6	9			"
264	6-26	1405 1415	"	8.0	3.87	0.52		2.0	.6	8			"
265	7-8	1115 1125	"	7.5	3.74	0.54		2.0	.6	10			"
266	7-23	1455 1505	"	4.2	2.14	0.70		1.5	.6	7			"
267	8-6	1435 1445	"	6.8	1.95	0.67		1.3	.6	9			"
268	8-20	1425 1435	"	7.0	1.87	0.75		1.4	.6	9			"
269	9-3	1450 1500	"	7.0	1.71	0.76		1.3	.6	9			"
270	9-24	1335 1345	"	7.0	1.64	0.79		1.3	.6	9			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 52

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. DO.	MEAS. NO.	S. MT. CHANGE TOTAL	METER NO.
15	1-25	1415 1425	LUCE-BLAKE	14.2	9.15	3.76		34.4	.6	14			FC39
16	2-13	1050 1100	LUCE	9.5	6.77	2.60		17.6	.6	12			"
17	2-27	1155 1205	"	9.0	5.78	1.94		11.2	.6	12			"
18	3-12	1445 1455	"	13.5	7.86	2.57		20.2	.6	15			FC41
19	3-26	1025 1035	"	16.0	12.2	3.61		44.1	.6	13			"
20	4-9	1200 1215	"	17.0	15.9	4.58		72.9	.6	12			"
21	4-25	1040 1055	"	19.0	16.0	3.70		59.4	.6	12			"
22	5-7	1125 1135	"	17.2	15.3	3.58		54.9	.6	15			"
23	5-21	1430 1440	"	17.0	14.9	3.49		52.0	.6	18			"
24	6-18	1630 1640	"	15.4	10.3	2.68		27.6	.6	13			FC28
25	7-2	1350 1359	"	16.5	9.74	1.87		18.2	.6	11			FC41
26	7-18	1430 1440	TURNER-LUCE	15.0	8.43	2.08		17.5	.6	10			FC43
27	8-13	1600 1610	LUCE	14.0	5.81	1.36		7.9	.6	13			FC41
28	8-28	1125 1135	"	14.1	5.58	1.65		9.2	.6	11			"
29	9-10	1510 1520	"	13.5	4.65	1.31		6.1	.6	10			"
30	9-24	1440 1450	"	13.0	4.13	1.15		4.8	.6	10			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F295-S

above Rising Water DURING THE YEAR ENDING SEPTEMBER 30, 19 53

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. DO.	MEAS. NO.	S. MT. CHANGE TOTAL	METER NO.
31	10-8	1400 1410	LUCE	12.0	3.65	0.77		2.8	.6	8			FC41
32	10-22	1140 1150	"	8.0	2.40	0.76		1.8	.6	9			"
33	11-5	1430 1440	"	7.4	2.35	0.68		1.6	.6	8			"
34	11-22	1150 1200	"	13.5	5.40	1.16		6.3	.6	9			"
35	12-3	1055 1065	"	14.0	5.93	1.30		7.7	.6	11			"
36	12-22	1105 1115	"	15.0	7.06	1.19		8.4	.6	10			"
37	1-14	1404 1415	HYDE-LUCE	14.5	7.06	1.83		12.9	.6	9			FC35
38	1-21	1500 1510	LUCE	14.2	6.49	1.28		8.3	.6	12			FC41
39	1-29	1430 1438	TURNER-LUCE	14.0	5.71	1.44		8.2	.6	9			"
40	2-5	1430 1440	TURNER	13.8	5.77	1.18		6.8	.6	9			FC43
41	2-13	1350 1400	"	13.5	6.27	1.16		7.3	.6	10			"
42	2-19	1406 1415	"	13.5	5.95	1.09		6.5	.6	10			"
43	2-26	1330 1340	"	14.4	6.32	1.04		6.6	.6	9			"
44	3-5	1310 1321	"	14.0	5.93	0.98		5.8	.6	9			"
45	3-12	1335 1345	"	13.6	5.69	1.04		5.9	.6	10			"
46	3-19	1425 1435	"	13.5	5.15	1.01		5.2	.6	10			"
47	3-26	1330 1340	"	8.5	4.55	0.59		2.7	.6	11			"
48	4-2	1335 1345	"	9.0	3.36	0.80		2.7	.6	10			"
49	4-9	1355 1345	"	9.0	3.66	1.07		3.9	.6	10			"
50	4-23	1415 1425	"	9.5	3.78	0.99		3.7	.6	10			"
51	5-7	1420 1425	"	2.0	0.32	0.72		0.23	.5	5			"

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S
 AT Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
41	1-25	0800 0815	LUCE - BLAKE	14.0	7.60	4.43		33.5	.6	12			FC39
42	2-13	1445 1455	LUCE	6.0	4.70	1.94		9.1	.6	9			"
43	2-28	0820 0830	"	5.0	1.79	1.23		2.2	.6	9			"
44	3-12	1830 1840	"	7.8	4.99	2.28		11.4	.6	10			FC41
45	3-26	1435 1445	"	15.0	6.50	2.66		17.3	.6	13			"
46	5-5	1430 1440	"	16.5	11.6	3.53		41.0	.6	11			"
47	5-21	1835 1845	"	17.0	11.9	2.80		33.3	.6	13			"
48	6-18	1230 1235	"	15.5	7.36	2.17		16.0	.6	10			FC28

DISCHARGE MEASUREMENTS OF BIG ROCK CREEK F183-S
 AT Palmdale - Victorville Road DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
49	1-29	1540 1548	TURNER-LUCE	12.0	4.25	1.46		6.2	.5	8			FC41
50	2-26	1530 1540	TURNER	10.7	3.33	0.87		2.9	.6	10			FC43

DISCHARGE MEASUREMENTS OF BOLIJET CREEK F28W-S
 AT 1.5 miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
14	12-13	1155 1205	THOMAS	2.0	0.70	0.74		0.55	.5	5			FC42
15	2-28	1145 1155	LUCE	10.0	5.75	1.74		10.0	.6	13			FC39
16	5-8	1430 1440	"	12.0	7.14	2.10		15.0	.6	11			FC41
17	5-15	1530 1540	"	13.0	6.86	2.08		13.9	.6	13			"
18	6-5	1425 1435	"	13.0	7.30	2.19		16.0	.6	12			"
19	6-26	1835 1845	THOMAS	11.1	9.80	1.64		16.1	.6	12			FC42
20	7-16	1275 1285	"	9.6	8.15	1.79		14.6	.6	14			"
21	7-23	1535 1545	"	8.2	7.84	1.89		14.8	.6	10			"
22	7-31	1030 1040	"	7.1	7.29	1.86		14.3	.6	10			"
23	8-7	1035 1045	LUCE	11.0	5.67	2.22		12.8	.6	10			FC41
24	8-27	1110 1120	"	12.2	8.07	1.73		14.0	.6	11			"
25	9-4	1212 1222	LUCE-HYDE	12.0	8.25	1.70		14.0	.6	11			"
26	9-18	1425 1435	THOMAS	6.5	7.07	2.02		14.1	.6	9			FC42

DISCHARGE MEASUREMENTS OF BOLIJET CREEK F28W-S
 AT 1.5 miles above Texas Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
27	10-2	1215 1225	LUCE	10.5	6.39	1.14		7.3	.6	10			FC41
28	6-18	1125 1135	TURNER	9.0	2.77	1.12		3.1	.6	7			FC43
29	6-25	1084 1090	"	3.9	2.58	1.40		3.6	.6	6			"
30	7-2	1020 1030	"	3.9	2.60	1.46		3.8	.6	6			"

DISCHARGE MEASUREMENTS OF COLD CREEK F41-S
 AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
119	2-7	1112 1122	BOLLINGER	6.5	3.32	1.81		6.0	.6	9			FC6
120	2-15	1418 1428	"	9.6	4.19	0.98		4.0	.6	13			"
121	2-27	1457 1467	"	5.7	2.21	1.27		2.8	.6	10			"
122	3-13	1710 1718	"	14.2	7.65	1.44		11.0	.6	15			"
123	3-27	1434 1444	"	12.0	6.97	1.58		11.0	.6	12			"
124	4-2	1440 1450	"	10.9	5.73	1.40		8.0	.6	13			"
125	4-9	1322 1332	"	11.5	5.69	1.14		6.5	.6	15			"
126	4-16	1127 1137	"	9.3	5.05	1.03		5.2	.6	13			"
127	4-22	1558 1568	"	5.0	3.85	0.70		2.7	.6	9			"
128	5-7	1420 1430	"	9.7	3.84	0.76		2.9	.6	15			FC49H

DISCHARGE MEASUREMENTS OF COLD CREEK F41-S
 AT Crater Camp DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
129	2-19	1422 1432	BOLLINGER-WHISLER	3.6	1.33	0.50		0.67	.6	7			FC6
130	2-26	1445 1455	BOLLINGER-DEWARS	6.5	1.71	0.37		0.64	.5	10			"
131	3-3	1100 1110	BOLLINGER	3.0	0.85	0.72		0.61	.5	8			"
132	3-12	1527 1537	"	2.8	0.85	0.76		0.65	.5	6			"
133	3-19	1434 1444	HYDE-BOLLINGER	2.5	0.66	0.64		0.42	.5	6			"
134	3-26	1524 1534	"	2.5	0.53	0.66		0.35	.5	6			"
135	4-2	1517 1527	"	2.5	0.57	0.56		0.32	.5	6			"
136	4-9	1445 1455	HYDE	2.6	0.57	0.58		0.33	.6	6			FC35
137	4-16	1430 1440	"	2.3	0.52	0.63		0.33	.5	6			FC49
138	4-23	1435 1445	"	2.0	0.59	0.58		0.34	.5	6			FC35
139	4-30	1535 1545	HYDE-LINDSAY	2.8	0.78	0.44		0.34	.5	6			"
140	5-21	1420 1430	HYDE	0.70	0.23	0.52		0.12	.6	3			"
141	5-28	1515 1518	"	0.70	0.19	0.84		0.16	.5	3			"

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F11B-S
 AT above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INCH	METH. CODE	MEAN. SEG. NO.	S. HY. CHANGE TOTAL	METER NO.
168	12-20	1812 1822	THOMAS	2.4	0.33	1.21		0.40	SUBP	8			FC42
169	12-29	1525 1535	LUCE	1.5	0.14	0.71		0.10	.5	4			FC41
170	1-10	1123 1133	LANG	6.9	1.98	0.96		1.9	.6	14			FC12
171	2-7	1118 1128	LUCE	8.6	3.16	3.10		9.8	.6	10			FC41
172	2-28	1405 1415	"	8.0	2.93	2.90		8.5	.6	10			FC39
173	4-24	1425 1435	"	20.2	8.19	2.01		16.5	.6	12			FC41
174	5-8	1125 1135	"	15.5	5.28	2.15		11.3	.6	10			"
175	5-15	1190 1200	"	8.0	4.34	2.88		12.5	.6	9			"
176	5-29	1135 1145	"	5.2	2.38	2.18		5.2	.6	8			"
177	6-5	1005 1015	"	4.8	2.07	2.60		5.3	.6	8			"
178	6-26	1310 1320	THOMAS	6.3	2.11	1.66		3.5	.5	9			FC42
179	7-17	1241 1251	"	5.9	1.28	0.65		0.82	.5	8			"
180	7-23	1158 1168	"	3.8	0.84	0.78		0.42	.5	8			"
181	7-31	1228 1238	"	6.2	1.70	0.88		1.8	.5	9			"
182	8-7	1448 1458	LUCE	3.8	0.84	0.43		0.36	.6	8			FC41
183	8-21	1328 1338	"	3.2	0.61	0.31		0.19	.6	6			"
184	9-4	1438 1448	LUCE-HYDE	1.0	0.08	0.38		0.03	.6	3			"
185	9-18	1058 1068	THOMAS	3.5	0.63	0.19		0.12	.5	7			FC42

DISCHARGE MEASUREMENTS OF ELIZABETH LAKE CREEK F1118-S

above Dry Gulch DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	BAUPE HEIGHT FEET	DISCHARGE RED. FT.	RAT- INH	METH- DO	MEAS. NO.	S. HT. DISCHARGE TOTAL	METER NO.
186	10-9	1205 1210	LUCE	2.5	0.63	0.52		0.33	.5	5		FC41	
187	10-23	1403 1409	"	3.0	0.62	1.11		0.69	.6	7		"	
188	10-30	1410 1418	"	2.8	0.70	0.94		0.66	.5	7		"	
189	11-6	1425 1430	"	2.6	0.77	1.09		0.84	.6	6		"	
190	11-13	1115 1130	HYDE-THOMAS	8.3	1.75	0.91		1.6	.5	10		FC42	
191	11-20	1095 1115	HYDE	10.0	2.75	1.12		3.1	.6	9	SURF	FC35	
192	12-4	1245 1249	THOMAS	16.5	3.55	1.55		5.5	.5	12		FC42	
193	12-18	1530 1540	LUCE	12.5	2.98	1.04		3.1	.6	9		FC41	
194	12-26	1500 1510	"	12.5	3.81	1.13		4.3	.5	9		"	
195	1-15	1235 1245	"	11.0	5.37	1.34		7.2	.6	8		"	
196	1-22	1355 1358	"	12.0	4.35	1.06		4.6	.6	13		"	
197	1-30	1432 1440	TURNER-LUCE	10.4	3.70	1.19		4.4	.5	8		"	
198	2-4	1220 1230	TURNER	10.4	3.72	1.18		4.4	.6	8		FC43	
199	2-11	1230 1239	"	8.0	3.58	1.09		3.9	.6	7		"	
200	2-25	1315 1315	"	8.0	3.54	1.10		3.9	.6	7		"	
201	3-4	1230 1240	"	8.0	3.39	1.06		3.6	.6	7		"	
202	3-13	1145 1154	"	8.0	3.48	1.08		3.6	.6	7		"	
203	3-18	1125 1135	"	10.5	3.61	0.96		3.1	.6	8		"	
204	3-25	1054 1100	"	10.4	3.57	0.78		2.8	.6	8		"	
205	4-1	1110 1110	"	10.5	3.59	0.75		2.7	.6	8		"	
206	4-8	1045 1065	"	10.5	3.61	0.75		2.7	.6	8		"	
207	4-16	1040 1050	"	8.5	2.97	0.77		2.3	.6	8		"	
208	4-22	1025 1035	"	9.0	3.38	0.95		3.2	.6	8		"	
209	4-29	1310 1320	"	9.0	3.42	0.96		3.3	.6	9		"	
210	5-8	1125 1135	"	8.5	2.51	0.68		1.7	.6	8		"	
211	5-14	1250 1300	"	6.2	1.74	0.57		1.0	.6	7		"	
212	5-21	1310 1320	"	6.3	1.62	0.52		0.84	.6	7		"	
213	5-28	1250 1300	"	6.4	2.03	0.74		1.5	.6	7		"	
214	6-3	1234 1240	"	6.3	1.72	0.57		0.96	.6	7		"	
215	6-12	1255 1302	"	4.0	0.90	0.66		0.59	.6	7		"	
216	6-18	1355 1405	"	4.3	0.88	0.60		0.53	.6	7		"	
217	6-25	1255 1300	"	2.0	0.18	0.39		0.07	.5	5		"	

DISCHARGE MEASUREMENTS OF EWEY CREEK F298-S

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	BAUPE HEIGHT FEET	DISCHARGE RED. FT.	RAT- INH	METH- DO	MEAS. NO.	S. HT. DISCHARGE TOTAL	METER NO.
28	10-11	1210	STUNDEN				0.11	0.01	V	NOTCH WEIR			
29	11-15	1330	"				0.24	0.07	"	"			"
30	2-14	1025 1030	"	2.0	0.35	0.77		0.27	.5	4		FC50	
31	3-12	1205 1210	"	3.0	0.70	1.10		0.77	.5	5		FC36	
32	5-14	1405 1410	"	1.5	0.22	0.91		0.20	.5	5		50-H	

DISCHARGE MEASUREMENTS OF EWEY CREEK F298-S

above Mouth of Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	BAUPE HEIGHT FEET	DISCHARGE RED. FT.	RAT- INH	METH- DO	MEAS. NO.	S. HT. DISCHARGE TOTAL	METER NO.
33	10-2	1040	STUNDEN				0.27	0.10	V	NOTCH WEIR			
34	1-29	1150	"				0.30	0.13	"	"			"
35	2-4	1030	"				0.30	0.13	"	"			"
36	2-25	1415	"				0.35	0.19	"	"			"

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	BAUPE HEIGHT FEET	DISCHARGE RED. FT.	RAT- INH	METH- DO	MEAS. NO.	S. HT. DISCHARGE TOTAL	METER NO.
37	3-4	1340	"					0.35	0.19	"	"		
38	3-25	1035	"					0.30	0.13	"	"		
39	4-8	1140	"					0.33	0.16	"	"		
40	4-22	1145	"					0.42	0.30	"	"		
41	5-20	1240	"					0.33	0.16	"	"		
42	6-4	1105	"					0.33	0.16	"	"		
43	6-18	0950	"					0.29	0.12	"	"		
44	7-2	1105	"					0.25	0.08	"	"		
45	7-16	1030	"					0.22	0.06	"	"		
46	7-30	1115	"					0.20	0.05	"	"		

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S

above Big Tuiunga Creek DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	BAUPE HEIGHT FEET	DISCHARGE RED. FT.	RAT- INH	METH- DO	MEAS. NO.	S. HT. DISCHARGE TOTAL	METER NO.
449	10-4	0845	TURNER					0.05		VOL			
450	10-11	1011	"					0.04		"			
451	10-24	1020	"					0.05		"			
452	11-1	0925	"					0.07		"			
453	11-8	1000	"					0.06		"			
454	11-15	0952	SPENCER					0.08		"			
455	11-21	1100	"					0.36		"			
456	11-29	1005	"					0.20		"			
457	12-6	1020	"					0.54		"			
458	12-20	1040 1043	TURNER	1.9	0.85	0.55		0.47	.6	4		FC44	
459	12-27	1112	THOMAS-TURNER	1.9	0.81	0.41		0.33	.6	4		"	
460	1-4	0940 0943	TURNER	2.0	1.09	0.92		1.0	.6	4		"	
461	1-10	1047 1050	"	1.9	0.93	0.87		0.81	.6	4		"	
462	1-25	1445	KASIMOFF-CUADRAZ	12.0	4.32	3.03	2.08	13.1	.5	8		"	
463	1-31	1035 1058	TURNER	5.5	2.15	2.98		6.4	.6	8		"	
464	2-7	1058	"	4.5	2.26	2.08		4.7	.6	6		"	
465	2-14	0955 1001	"	4.3	1.77	1.81		3.2	.6	7		"	
466	2-20	1150 1156	"	5.5	1.88	1.65		3.1	.6	7		"	
467	2-28	1305 1309	HYDE-TURNER	5.0	1.86	1.40		2.6	.6	7		"	
468	3-6	1000 1006	TURNER	5.0	1.86	1.61		3.0	.6	7		"	
469	3-7	0859 0910	KASIMOFF-CUADRAZ	10.7	3.59	2.48		8.9	.5	11		"	
470	3-7	1603 1613	"	8.2	3.63	1.74	1.97	6.3	.5	10		"	
471	3-12	1445	TURNER	7.0	4.44	2.77		12.3	.6	9		"	
472	3-16	1550 1560	KASIMOFF-MURPHY	14.2	12.3	3.17	2.50	39.0	.6	10		FC47	
473	3-17	1543 1555	"	14.0	10.4	3.08	2.43	32.0	.6	10		"	
474	3-20	1225 1231	TURNER	10.0	10.9	3.90	2.42	42.5	.6	7		FC44	
475	3-27	1254 1303	"	15.5	13.4	3.87	2.60	51.9	.6	9		"	
476	4-3	1132	"	13.0	8.71	2.86	2.22	24.9	.6	9		FC43	
477	4-10	0957 1005	"	12.0	5.76	2.95		17.0	.6	8		FC45	
478	4-17	1227 1246	HYDE-TURNER	10.5	5.82	1.92		11.2	.6	12		FC43	
479	5-1	1020 1028	TURNER	9.8	8.61	0.91		7.8	.6	8		FC44	
480	5-8	1020 1030	"	5.5	2.63	2.51		6.6	.6	7		"	
481	5-14	1039 1045	HYDE-TURNER	5.0	4.67	1.71		8.0	.6	7		"	
482	5-21	0930 0936	TURNER	5.5	4.46	1.50		6.7	.6	7		"	
483	5-29	0925 0934	"	5.0	4.50	1.53		6.9	.6	6		"	
484	6-5	1644 1650	"	4.5	3.70	1.05		3.9	.6	6		FC43	
485	6-12	1030 1030	"	7.5	3.34	0.96		3.2	.6	10		"	
486	6-19	1014 1020	"	6.3	2.58	0.97		2.5	.6	8		"	
487	6-26	1020 1030	"	6.4	2.58	0.93		2.4	.6	8		"	
488	7-3	1050 1058	"	6.3	2.22	0.81		1.8	.6	8		"	
489	7-10	1142 1150	"	4.6	1.85	0.87		1.4	.6	7		FC44	
490	7-17	0954 1000	"	4.6	1.72	0.93		1.6	.6	7		"	
491	7-24	1015 1020	"	4.6	1.69	0.88		1.5	.6	7		"	
492	7-31	0955 1000	"	4.7	1.89	0.95		1.8	.6	7		"	

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S
above Big Tulunje Creek DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
483	8-7	1095	"	4.2	1.59	0.88		1.4	.6	6			"
484	8-13	0840	"	4.2	1.46	0.92		1.2	.6	6			"
485	8-21	1818	"	4.0	1.34	0.75		1.0	.6	6			"
486	8-28	0818	"	4.0	1.20	0.72		0.88	.6	6			"
487	8-4	1880	DEMARS-TURNER	4.0	1.10	0.58		0.64	.6	6			"
488	9-17	1430	BLAKELY	2.2	0.43	0.79		0.34	.5	5		FC24	"
489	9-24	1444	"	4.0	0.85	0.47		0.40	.5	5			"

DISCHARGE MEASUREMENTS OF MILL CREEK F112-S
above Big Tulunje Creek DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
500	10-2	1029	TURNER	3.9	1.04	0.67		0.70	.6	6			FC44
501	10-16	0855	"	2.3	0.66	0.88		0.60	.6	5			"
502	10-23	1315	"	1.8	0.53	1.04		0.55	.6	4			"
503	10-30	0820	"	1.6	0.47	1.40		0.67	.6	5			"
504	11-6	0845	"	2.4	0.80	1.06		0.85	.6	5			"
505	11-13	0850	"	2.4	0.97	1.13		1.1	.6	5			"
506	11-20	1020	"	3.1	1.31	0.99		1.3	.6	6			"
507	11-28	1012	HYDE	3.1	1.26	0.87		1.1	.6	7			"
508	12-2	1550	KASIMOFF-GUTIERREZ	4.3	2.30	0.61	1.83	1.4	.6	7	0		FC47
509	12-4	1028	HYDE	3.2	1.43	0.88		1.3	.6	6			FC44
510	12-11	1045	"	3.1	1.35	0.89		1.2	.6	6			"
511	12-18	0886	"	3.1	1.45	0.83		1.2	.6	6			"
512	12-26	1128	TURNER	3.8	1.60	0.88		1.4	.6	6			FC43
513	12-31	1025	"	3.8	1.81	1.10		2.0	.6	6			FC44
514	1-8	1020	"	3.8	1.74	1.09		1.9	.6	6			"
515	1-15	1438	"	3.8	1.65	1.09		1.8	.6	6			"
516	1-22	1020	"	3.7	1.57	1.01		1.6	.6	6			"
517	1-29	1827	BLAKELY	4.6	1.43	0.98	1.80	1.4	.5	7	0		FC24
518	2-5	1848	"	4.5	1.37	1.02	1.79	1.4	.5	8	0		"
519	2-13	1847	"	4.5	1.38	0.87	1.78	1.2	.5	6	0		"
520	2-19	1358	"	4.0	1.50	0.80	1.78	1.2	.5	5	0		"
521	2-26	1130	"	5.0	1.75	0.91	1.80	1.6	.5	6	0		"
522	3-5	1040	"	5.0	1.83	0.88	1.78	1.6	.5	6	0		"
523	3-12	1405	"	5.5	2.10	0.76	1.79	1.6	.5	6	0		"
524	3-19	1808	"	5.0	1.62	0.62	1.78	1.0	.5	7	0		"
525	3-26	1115	"	5.5	1.90	0.84	1.79	1.6	.5	6	0		"
526	4-2	1820	"	5.5	1.67	0.80	1.78	1.5	.5	6	0		"
527	4-9	1827	"	6.0	2.09	0.81	1.77	1.7	.5	7	0		"
528	4-16	0820	WHISLER	7.5	1.99	0.60	1.78	1.2	.5	9	0		FC5
529	4-23	1025	"	7.3	1.93	0.57	1.78	1.1	.5	9	0		"
530	4-30	1000	"	7.4	1.93	0.73	1.78	1.4	.5	10	0		"
531	5-7	0850	"	7.2	1.97	0.51	1.76	1.0	.6	9	0		"
532	5-14	0828	"	7.0	1.72	0.53	1.75	0.92	.6	8	0		"
533	5-21	1132	"	6.5	1.49	0.58	1.74	0.86	.6	8	0		"
534	5-28	0855	BLAKELY	8.0	2.06	0.53	1.77	1.1	.5	8	0		FC24
535	6-4	1444	"	5.5	1.51	0.46	1.73	0.69	.5	7	0		"
536	6-11	0827	"	5.3	1.46	0.50	1.74	0.73	.5	7	0		"
537	6-18	1010	GODFREY-BLAKELY	5.8	1.75	0.48	1.74	0.85	.5	7	0		"
538	6-25	1820	BLAKELY	2.0	0.36	0.67	1.68	0.24	.5	5	0		FC43
539	7-2	1818	"	3.0	0.86	0.34	1.67	0.27	.5	6	0		"
540	7-9	1015	HYDE	3.3	0.75	0.31	1.68	0.23	.5	6	0		"
541	7-16	1820	BLAKELY	2.0	0.29	0.34	1.65	0.10	.5	5	0		"

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F100-S
at Macley Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
31	2-22	1302	TURNER	8.0	8.79	0.84		9.2	.6	11			FC43
32	4-2	1819	"	27.5	25.3	1.89		66.8	.6	13			"
33	4-8	1820	"	37.6	32.2	2.35		76.3	.6	13			"
34	4-9	1821	"	37.6	32.8	2.28		78.8	.6	13			"

DISCHARGE MEASUREMENTS OF PACOIMA CREEK F100-S
at Macley Avenue DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
35	11-26	1110	HYDE	8.0	4.46	0.34		1.5	.6	8			FC35
36	2-16	1220	BLAKELY	3.0	0.70	0.79		0.55	.5	6			FC24
37	3-4	1403	"	5.0	1.71	0.83		1.4	.5	6			"
38	3-11	1307	"	4.0	1.25	0.39		0.49	.5	7			"
39	5-14	1213	"	2.6	0.88	0.38		0.33	.5	6			"

DISCHARGE MEASUREMENTS OF PACOIMA WASH F107-S
at Arleta Street, above Spreading Grounds DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
51	12-29	1803	TURNER - THOMAS	20.0	9.08	1.88		18.0	.5	7			FC43
52	1-13	1533	TURNER - ROGERS	21.8	20.7	2.48		51.4	.6	12			"
53	1-13	1818	"	22.0	24.0	3.48		82.8	.6	18			"
54	1-20	1818	TURNER	67.0	53.6	4.51		242.	.6	11			"
55	1-21	1042	TURNER - ROGERS	67.0	49.4	5.53		273.	.6	14			"
56	1-30	1445	TURNER	20.0	9.01	3.59		32.4	.6	9			"
57	2-21	1440	"	7.8	4.27	2.18		9.3	.6	6			"
58	2-22	1128	"	7.4	3.52	1.59		5.6	.6	9			"
59	3-10	0824	"	TWO CHANNELS				8.4	.6	14			"
60	3-13	1050	"	TWO CHANNELS				6.7	.6	11			"
61	3-19	0820	"	TWO CHANNELS				54.8	.6	17			FC29
62	3-26	1808	"	10.4	7.70	2.57		19.8	.6	8			FC43
63	4-2	1824	TURNER - PARDIECK	10.5	8.07	2.29		18.3	.6	8			"
64	4-9	1236	TURNER	37.6	32.8	2.28		74.8	.6	13			"

DISCHARGE MEASUREMENTS OF PACOIMA WASH F107-S
at Arleta Street above Spreading Grounds DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF BOTTOM SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INR	METH. DD	MEAN. SEC. NO.	S. INT. CHANGE TOTAL	METER NO.
65	11-17	1435	TURNER	44.0	26.8	3.38		90.6	.6	15			FC43
66	11-18	1225	"	44.6	45.6	2.43		111.	.6	17			"
67	11-19	1527	"	49.4	41.2	2.96		122.	.6	16			"
68	11-29	1800	"	10.0	1.67	0.90		1.5	.5	7			"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
152	4-9	1335 1540	LUCE	4.6	1.08	3.06	3.3	.6	8				FC41
153	4-25	1415 1430	"	7.0	2.13	3.24	6.9	.6	8				"
154	5-7	1365 1405	"	6.0	2.04	2.25	4.6	.6	7				"
155	5-21	1610 1615	"	7.0	2.46	1.71	4.2	.6	9				"
156	6-4	1535 1540	"	6.2	2.25	1.91	4.3	.6	9				"
157	6-19	0815 0920	"	5.0	1.41	1.63	2.3	.6	8				FC28
158	7-2	1530 1535	"	4.0	1.12	1.61	1.8	.6	7				FC41
159	7-18	1044 1050	TURNER	4.4	1.55	1.35	2.1	.6	6				FC43
160	8-13	1135 1140	LUCE	4.0	1.91	1.10	2.1	.6	8				FC41
161	8-28	1330 1335	"	3.4	0.67	0.99	0.66	.6	8				"
162	9-10	1625 1630	"	3.5	0.63	1.10	0.69	.6	6				"
163	9-24	1619 1620	"	3.8	0.70	0.99	0.69	.5	7				"

DISCHARGE MEASUREMENTS OF PALLETTE CREEK F122-S

AT NEAR Big Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
164	10-8	1265 1270	LUCE	3.5	0.56	1.43	0.83	.5	6				FC41
165	10-22	1440 1445	"	3.1	0.63	0.89	0.56	.5	6				"
166	11-5	1640 1645	"	3.5	0.50	1.07	0.96	.6	8				"
167	11-22	1425 1430	"	4.5	1.16	1.46	1.7	.6	8				"
168	12-3	1315 1320	"	3.5	1.24	1.13	1.4	.6	7				"
169	12-22	1420 1425	"	4.0	0.97	1.13	1.1	.6	8				"
170	1-7	1450 1455	"	3.0	1.10	0.78	0.86	.6	6				"
171	1-14	1422 1430	"	3.0	0.98	0.56	0.55	.6	7				"
172	1-21	1630 1635	"	3.5	1.21	0.72	0.87	.6	8				"
173	1-29	1525 1530	TURNER-LUCE	3.7	0.90	0.97	0.87	.5	6				"
174	2-5	1830 1835	TURNER	2.7	0.38	0.71	0.27	.6	5				FC43
175	2-13	1310 1315	"	3.0	0.75	0.83	0.62	.6	6				"
176	2-19	1440 1445	"	2.7	0.63	0.75	0.47	.6	5				"
177	2-26	1420 1425	"	2.9	0.94	0.79	0.74	.6	6				"
178	3-5	1405 1410	"	3.1	1.00	0.62	0.62	.6	6				"
179	3-12	1430 1435	"	2.2	0.35	0.69	0.24	.6	5				"
180	3-19	1455 1500	"	2.6	0.63	0.79	0.50	.6	5				"
181	3-26	1415 1420	"	2.6	0.44	0.59	0.26	.6	5				"
182	4-2	1430 1435	"	2.2	0.40	0.48	0.19	.5	5				"
183	4-9	1415 1420	"	2.0	0.47	0.49	0.23	.6	5				"
184	4-23	1325 1330	"	2.4	0.46	0.50	0.23	.6	5				"
185	5-7	1455 1460	"	2.6	0.55	0.51	0.28	.5	5				"
186	5-20	1430 1435	"	2.5	0.57	0.56	0.32	.6	5				"
187	6-4	1340 1345	"	2.2	0.44	0.68	0.30	.5	5				"
188	6-17	1330 1335	"	2.6	0.58	0.33	0.19	.6	5				"
189	6-26	1425 1430	"	2.6	0.60	0.30	0.18	.6	5				"
190	7-8	1140 1145	"	2.3	0.38	0.68	0.26	.6	5				"
191	7-23	1420 1425	"	2.0	0.27	0.63	0.17	.6	5				"
192	8-6	1410 1415	"	1.8	0.22	0.50	0.11	.5	5				"
193	8-20	1430 1435	"	1.7	0.16	0.19	0.03	.5	5				"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S

AT NEAR Toe of San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
6	11-6	1430	STUNDEN	3.0			0.27	1.4					CIPOLLETTI WEIR
7	11-13	1535	"	3.0			0.27	1.4					"

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
8	2-18	0930	"	3.0			0.32	1.8					"
9	2-19	1315	"	3.0			0.57	4.4					"
10	2-26	1130	"	3.0			0.25	1.3					"
11	3-26	0900	"	3.0			0.39	2.5					"
12	4-22	1405	"	3.0			0.39	2.6					"
13	5-8	1010	"	3.0			0.41	2.7					"
14	5-21	1135	"	3.0			0.40	2.6					"
15	6-4	1440	"	3.0			0.40	2.5					"
16	6-11	1250	"	3.0			0.40	2.5					"
17	6-25	1220	"	3.0			0.56	4.2					"
18	7-30	1400	"	3.0			0.05	0.11					"

DISCHARGE MEASUREMENTS OF SAN DIMAS CREEK F101-S

AT NEAR toe of San Dimas Dam DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
1	2-14	1220	STUNDEN	3.0			0.54	4.0					CIPOLLETTI WEIR
2	2-21	1440	"	3.0			0.47	3.2					"
3	4-3	1400	"	3.0			0.22	1.0					"
4	5-1	1320	"	3.0			0.21	1.0					"
5	5-9	0925	"	3.0			0.21	1.0					"

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F-228S

AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
53	1-25	1355 1400	LUCE-BLAKE	5.3	1.25	2.48	3.1	.6	8				FC39
54	3-12	1415 1420	LUCE	3.3	0.45	1.71	0.77	.6	8				FC41
55	3-26	0950 0955	"	1.5	0.13	0.69	0.09	.6	4				"
56	5-7	1100 1105	"	2.0	0.23	0.96	0.22	.6	5				"
57	7-18	1330 1335	TURNER	2.4	0.55	0.67	0.37	.6	5				FC43
58	7-31	1425 1430	LUCE				0.45	0.35					V NOTCH WEIR
59	8-28	1040 1045	"	1.5	0.26	1.27	0.33	.6	4				FC41

DISCHARGE MEASUREMENTS OF SANDROCK CREEK F229-S

AT NEAR Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	REGIM END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INB	METH. CD	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
60	10-22	1100 1105	LUCE	2.6	0.41	0.49	0.20	.5	6				FC41
61	11-5	1400 1405	"	2.5	0.34	0.47	0.16	.5	5				"
62	11-22	1115 1120	"	3.0	0.42	0.81	0.34	.5	6				"
63	12-3	0925 0930	"	1.6	0.20	1.10	0.22	.5	4				"
64	2-13	1420 1425	TURNER	1.1	0.27	0.59	0.16	.6	4				FC43
65	2-26	1320 1325	"	1.3	0.28	1.07	0.30	.6	4				"
66	3-5	1300 1305	"	1.2	0.21	1.14	0.24	.5	3				"
67	3-12	1325 1330	"	1.4	0.31	1.08	0.32	.5	4				"
68	3-19	142 145	"	1.1	0.19	1.42	0.27	.6	3				"
69	4-2	1325	"				0.30	0.13					V-NOTCH WEIR
70	4-9	1325	"				0.30	0.13					"
71	4-23	1400	"				0.23	0.27					"
72	5-7	1403	TURNER-BOLLINGER				0.22	0.06					"
73	5-20	1325	TURNER				0.17	0.08					"
74	6-4	1405	"				0.25	0.06					"
75	6-17	1200	"				0.20	0.05					"
76	6-26	1240	"				0.20	0.05					"
77	7-8	1400	"				0.10	0.01					"

DISCHARGE MEASUREMENTS OF SAN JOSE CREEK 308-S

AT Nogales Street DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
1	4-14	1152 1158	STUNDEN-WHISLER	5.0	1.27	1.65	4.75	2.1		.6	10	0	FC48

DISCHARGE MEASUREMENTS OF SANTA FE CHANNEL (formerly RIO HONDO DIVERSION) below Santa Fe Dam FA08-

AT Head of Buena Vista Channel DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
1	10-14	1782 1806	WADDICOR-THOMAS	17.5	13.5	4.69	0.80	63.1		.6	11	0	FC37
2	10-14	1910 1925	"	19.5	21.6	6.57	1.30	142.		.6	12	0	"
3	10-14	2145 2156	"	21.3	31.8	7.67		250.		.6	8		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
326	10-4	1342	BOLLINGER	2.8	0.17	1.47		0.25		FLOATS	5		"
327	11-1	1804	"	3.0	0.15	1.80		0.27		"	6		"
328	11-28	1408	"	3.0	0.16	2.12		0.34		"	7		"
329	12-20	1457 1450	"	1.0	0.13	1.77		0.23		.5	3		FC6
330	12-20	1505	"	2.5	0.16	1.82		0.29		FLOATS	5		"
331	1-10	1809	"	3.2	0.18	1.83		0.33		"	6		"
332	1-31	1525	THOMAS	4.3	0.76	2.63		2.0		"	7		"
333	2-21	1650 1656	"	4.4	0.64	2.87		1.9		"	7		"
334	3-20	1450	BOLLINGER	6.0	3.01	4.65		14.0		.6	8		FC6
335	4-3	1400	"	4.5	1.95	3.79		7.4		.6	7		"
336	4-17	1816	"	3.0	1.34	2.39		3.2		.6	6		"
337	5-8	1435	"	5.1	0.57	3.33		1.9		FLOATS	8		"
338	5-22	1437 1444	"	6.5	0.93	3.43		3.2		"	5		"
339	6-5	1449	"	6.3	0.82	3.54		2.9		"	7		"
340	6-19	1328	"	6.6	0.80	3.38		2.7		"	6		"
341	7-3	1555	"	5.7	0.83	2.77		2.3		"	8		"
342	7-17	1315	THOMAS	9.0	1.48	1.78		2.6		SURF.	5		FC42
343	8-7	1534	BOLLINGER	6.0	0.78	3.41		2.7		SURF.	.6		FC6
344	8-21	1487	"	2.0	0.60	3.00		1.8		.6	5		"
345	9-18	1455 1450	"	1.8	0.87	2.64		1.5		.6	5		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F272-S

AT above Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 53

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
346	10-9	1418 1427	BOLLINGER	1.7	0.48	2.50		1.2		.6	5		FC6
347	10-23	1415 1420	"	2.1	0.48	2.70		1.3		.5	5		"
348	11-6	1448 1455	"	1.9	0.42	1.93		0.81		.6	.5		"
349	11-20	1460 1450	"	2.0	0.33	4.24		1.4		.5	5		"
350	12-4	1407 1415	"	1.6	0.32	3.12		1.0		.6	5		"
351	12-18	1426 1433	"	2.6	0.27	2.89		0.78		.5	6		FC49
352	1-22	1530 1538	"	4.0	0.61	3.61		2.2		.6	9		"
353	2-5	1413 1420	"	3.4	0.33	2.97		0.98		FLOATS	5		"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
354	2-19	1140 1145	BOLLINGER-WHISLER	4.2	0.36	2.58		0.93		"	7		"
355	2-26	1258 1265	BOLLINGER-DE WARS	4.5	0.45	2.13		0.81		"	4		"
356	3-3	1324 1330	BOLLINGER	4.4	0.49	2.04		1.0		"	5		"
357	3-12	1340	"	3.8	0.31	2.55		0.79		"	6		"
358	3-19	1224 1228	"	4.0	0.35	2.48		0.87		"	5		"
359	3-26	1315 1320	HYDE-BOLLINGER	3.5	0.23	2.78		0.64		"	6		"
360	4-2	1315 1327	"	4.0	0.40	3.25		1.3		"	7		"
361	4-9	1216 1225	HYDE	6.0	0.57	2.10		1.2		"	8		"
362	4-16	1150	"	4.0	0.39	1.97		0.77		"	6		"
363	4-23	1260 1250	"	4.0	0.34	3.24		1.1		"	7		"
364	5-7	1182	"	4.5	0.38	1.98		0.75		"	7		"
365	5-14	1130	"	4.0	0.32	3.00		0.98		"	5		"
366	5-21	1118 1120	"	4.0	0.25	2.40		0.60		"	5		"
367	6-4	1250 1250	BOLLINGER	4.0	0.36	3.06		1.1		"	6		"
368	6-11	1118	"	4.0	0.37	2.35		0.87		"	6		"
369	6-18	1344 1350	"	1.5	0.56	1.66		0.93		.6	3		FC5
370	6-25	1312 1318	"	4.0	0.35	2.86		1.0		FLOATS	6		"
371	7-2	1258	"	4.0	0.35	2.43		0.85		"	7		"
372	7-9	1230 1240	"	4.2	0.32	2.84		0.91		"	6		"
373	7-16	1307 1315	"	4.0	0.32	2.53		0.81		"	6		"
374	7-23	1208 1215	HYDE	4.0	0.45	2.22		1.0		"	5		"
375	7-30	1205 1210	"	4.0	0.40	2.15		0.85		"	5		"
376	8-6	1349	BOLLINGER	4.2	0.33	2.39		0.79		"	7		"
377	8-13	1340 1348	"	4.0	0.35	3.14		1.1		"	6		"
378	8-20	1345 1352	"	4.0	0.31	3.03		0.94		"	7		"
379	8-27	1344 1350	"	4.0	0.31	2.74		0.85		"	7		"
380	9-3	1335 1342	"	4.2	0.30	2.17		0.65		"	6		"
381	9-10	1313 1320	"	4.0	0.28	2.50		0.70		"	6		"
382	9-17	1325	"	4.0	0.38	2.89		1.1		"	6		"
383	9-24	1330 1338	"	4.0	0.31	2.84		0.88		"	7		"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F65-S

AT below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/PER SEC.	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. ING.	METH. CD.	MEAN REG. NO.	S. HY. CHANGE TOTAL	METER NO.
386	10-4	1418	BOLLINGER					0.42		FLOATS			"
387	11-1	1816	"					0.53		"			"
388	11-28	1418	"					0.67		"			"
389	12-20	1517 1524	"					0.58		.5			"
390	1-10	1517	"					0.87		FLOATS			"
391	1-31	1530	THOMAS					5.5		"			"
392	2-21	1532	"					3.4		"			"
393	3-20	1510 1534	BOLLINGER					35.7		.6			FC6
394	4-3	1413 1428	"					13.2		.6			"
395	4-17	1533	"	4.0	2.51	2.55		6.4		.6	7		"
396	5-6	1532	"					4.0		FLOATS			"
397	5-22	1459	"					4.6		"			"
398	6-5	1500 1506	"					4.8		"			"
399	6-19	1335 1345	"					3.6		"			"
400	7-3	1518	BOLLINGER					3.3		"			"
401	7-17	1330 1346	THOMAS					4.3		"			"
402	8-7	1543 1553	BOLLINGER					4.4		SURF.	.6		FC6
403	8-21	1504 1516	"					2.5		SURF.			"
404	9-18	1511	"					1.9		.5			"

DISCHARGE MEASUREMENTS OF SANTA MONICA CREEK F55-S
 below Rustic Canyon DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
405	10-9	1435	BOLLINGER					1.8	.5				FC6
406	10-23	1437	"					1.9		SURF	5		"
407	11-6	1500	"					1.3	.5	7			"
408	11-20	1506	"					2.1		FLOAT	5		"
409	12-4	1487	"					1.7		FLOAT	5		"
410	12-18	1494	"					1.6	.5	7			FC49
411	1-22	1542	"	6.4	0.80	3.62		2.9	.6	8			"
412	2-5	1425	"					2.7		FLOAT	5		"
413	2-19	1180	BOLLINGER-WHISLER					2.3		"	6		"
414	2-26	1306	BOLLINGER-DE MARS					1.9		"	5		"
415	3-5	1333	BOLLINGER					2.1		"	5		"
416	3-12	1345	"					1.6		"	7		"
417	3-19	1235	HYDE-BOLLINGER	4.0	0.97	1.24		1.2	.5	7			FC6
418	3-26	1330	"	4.0	1.06	1.32		1.4	.5	7			"
419	4-2	1327	"					2.5		FLOAT	8		"
420	4-9	1130	HYDE					2.1		"	7		"
421	4-16	1140	"					1.4		"	5		"
422	4-23	1245	"					1.8		"	8		"
423	5-7	1125	"					1.3		"	5		"
424	5-14	1140	"					1.6		"	5		"
425	5-21	1130	"					1.6		"	6		"
426	6-4	1338	BOLLINGER					1.7		"	6		"
427	6-11	1124	"	3.6	1.45	0.90		1.3	.5	8			FC5
428	6-18	1400	"	3.2	1.19	1.09		1.3	.6	7			"
429	6-25	1324	"					1.3		FLOAT	6		"
430	7-2	1312	"					1.3		"	6		"
431	7-9	1245	"					1.4		"	7		"
432	7-16	1319	"					1.2		"	6		"
433	7-23	1150	HYDE					1.5		"	6		"
434	7-30	1155	"					1.3		"	6		"
435	8-6	1322	BOLLINGER					1.3		"	6		"
436	8-13	1320	"					1.6		"	6		"
437	8-20	1356	"					1.3		"	6		"
438	8-27	1355	"					1.2		"	6		"
439	9-3	1345	"					0.96		"	6		"
440	9-10	1324	"					1.1		"	6		"
441	9-17	1345	"					1.6		"	6		"
442	9-24	1340	"					1.2		"	6		"

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK F125-S
 above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
67	1-13	1625	LUCE-BLAKE	7.0	2.75	1.38		3.8	.6	9			FC39
68	1-16	1620	"	13.8	10.8	3.54		38.3	.6	12			"
69	1-23	1600	"	4.8	2.59	1.47		3.8	.6	8			"
70	2-7	0830	LUCE	4.8	1.77	1.41		2.5	.6	7			"
71	2-13	1625	"	4.0	1.34	1.27		1.7	.6	9			"
72	3-12	1176	"	7.6	2.02	1.19		2.4	.6	10			FC41
73	3-26	0920	"	13.0	5.24	2.52		13.2	.6	9			"
74	4-10	0940	"	8.0	4.23	1.42		6.0	.6	9			"
75	4-25	0850	"	7.4	3.32	1.48		4.9	.6	9			"
76	5-7	1620	"	4.5	1.57	1.59		2.5	.6	7			"

DISCHARGE MEASUREMENTS OF SANTIAGO CREEK F125-S
 above Little Rock Creek DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
77	12-22	1645	LUCE	3.0	0.48	0.82		0.3		.5	7		FC41
78	1-7	1640	"	4.5	0.87	1.07		0.93		.6	7		"
79	1-14	1122	HYDE-LUCE	3.5	0.55	0.73		0.40		.5	5		FC35
80	1-21	1155	LUCE	2.8	0.39	0.87		0.34		.6	6		FC41
81	1-29	1139	"	2.0	0.27	0.81		0.22		.5	5		"
82	2-5	1125	TURNER	2.3	0.24	0.75		0.18		.5	5		FC43
83	2-13	1100	"	2.0	0.35	0.63		0.22		.5	5		"
84	2-26	1100	"	2.3	0.43	0.74		0.32		.5	5		"
85	3-5	1015	"	2.2	0.35	0.66		0.23		.5	6		"
86	3-12	1055	"	2.1	0.40	0.78		0.31		.5	5		"
87	3-19	1040	"	2.4	0.36	0.68		0.26		.5	5		"
88	3-26	1020	"	2.5	0.40	0.70		0.28		.5	5		"
89	4-2	1080	"	2.0	0.31	0.68		0.21		.6	5		"
90	4-9	1080	"	2.0	0.28	0.75		0.21		.5	5		"
91	4-23	0925	"	2.0	0.25	0.60		0.15		.5	5		"
92	5-20	1080	"	1.8	0.12	0.33		0.04		.5	4		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH F286-S
 below Hansen Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
1	2-4	1012	BLAKELY-HYDE	59.0	29.2	15.5		452		FLOAT	7		"
2	2-4	1027	"	58.9	26.2	14.4		377		"	7		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH F1058-S
 Above Los Angeles River DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
57	5-15	1111	BLAKELY	2.5	0.41	0.66		0.27		.5	6		FC24
58	7-3	0845	THOMAS	3.5	0.62	0.77		0.48		FLOATS	4		"
59	7-10	1036	BLAKELY	1.0	0.18	0.89		0.16		.5	3		FC24
60	7-17	1106	"	1.0	0.16	0.56		0.09		.5	3		"
61	8-1	1109	"	2.0	0.24	0.58		0.14		SURF	5		"
62	8-14	1219	"	2.8	0.60	1.83		1.1		.5	6		"
63	8-21	1041	HYDE-BLAKELY	2.0	0.30	0.43		0.13		SURF	5		"

DISCHARGE MEASUREMENTS OF TUJUNGA WASH F1058-S
 above Los Angeles River DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PEP SEC.	RAISE HEIGHT FEET	DISCHARGE SEC. FT.	RAT-INS	METH-OD	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
64	11-20	1025	BLAKELY	1.3	0.27	0.22		0.06		.5	3		FC24
65	2-5	1202	LUCE	0.7	0.04	1.00		0.04		.5	4		FC41
66	2-19	0900	"	3.0				0.08		VENTURI	FLUME		"
67	2-26	0950	"	3.0				0.05		"	"		"
68	3-5	0938	LUCE-WHISLER	0.60	0.06	1.00		0.06		.5	3		FC 41
69	3-19	0946	LUCE-DEMARS	0.70	0.09	0.56		0.05		.5	4		"
70	4-2	0720	LUCE	1.0	0.08	1.00		0.08		.5	4		"
71	4-16	1016	"	1.0	0.08	0.62		0.05		.5	4		"
72	4-30	0950	"	1.2	0.09	0.56		0.05		.5	5		"
73	5-7	0947	"	0.9	0.06	0.33		0.02		.5	4		"

DISCHARGE MEASUREMENTS OF VALVERMO RANCH SPRINGS CREEK P291-S
 AT Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	DI. HT. CHANGE TOTAL	METER NO.
79	10-3	1120	LUCE				0.24	0.07		V		NOTCH WEIR	
80	10-17	1005	"				0.26	0.09		"	"	"	
81	10-31	1430	"				0.26	0.09		"	"	"	
82	12-13	1355	"				0.39	0.25		"	"	"	
83	12-26	1130	"				0.38	0.23		"	"	"	
84	1-10	1310 1315	"	1.5	0.32	0.69		0.22			.5	4	FC39
85	1-25	1430 1435	"	1.4	0.47	0.98		0.46			.5	4	"
86	2-13	1115 1120	"	1.5	0.33	0.61		0.20			.5	6	"
87	2-27	1300	"				0.39	0.25		V		NOTCH WEIR	
88	3-12	1325 1330	"	1.3	0.36	0.78		0.28			.5	4	FC41
89	3-26	1405 1050	"	1.8	0.43	0.67		0.29			.5	5	"
90	4-9	1340	"				0.45	0.35		V		NOTCH WEIR	
91	4-25	1110	"				0.40	0.26		"	"	"	
92	5-7	1150 1155	"	1.8	0.50	0.68		0.34			.6	5	FC41
93	5-20	1500 1305	"	1.5	0.27	0.74		0.20			.5	4	"
94	6-4	1345	"				0.38	0.23		V		NOTCH WEIR	
95	6-18	1325 1330	"	1.5	0.28	1.14		0.32			.5	4	FC28
96	7-2	1420 1425	"	1.8	0.39	1.26		0.49			.5	5	FC41
97	7-18	1505 1310	TURNER	1.3	0.53	1.26		0.67			.6	4	FC43
98	7-31	1315	LUCE				0.59	0.68		V		NOTCH WEIR	
99	8-13	1340 1345	"	1.4	0.40	1.65		0.66			.5	4	FC41
100	8-28	1145 1150	"	1.8	0.43	1.16		0.50			.6	5	"
101	9-10	1530 1535	"	1.9	0.46	1.28		0.59			.6	5	"
102	9-24	1515 1520	"	1.8	0.60	1.20		0.72			.6	5	"

DISCHARGE MEASUREMENTS OF VALVERMO RANCH SPRINGS CREEK F291-S
 AT Pearblossom Highway DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEIGN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	METH- OD	MEAN SEC. NO.	DI. HT. CHANGE TOTAL	METER NO.
103	11-5	1500 1505	LUCE	2.0	1.13	0.39		0.44			.6	5	FC41
104	11-21	1225 1230	"	1.4	0.78	0.72		0.56			.6	4	"
105	12-3	1100 1105	"	1.5	0.52	0.77		0.40			.6	4	"
106	2-5	1425 1430	TURNER	1.8	0.31	0.61		0.19			.5	5	FC43
107	2-13	1325 1350	"	1.6	0.25	0.52		0.13			.5	4	"
108	2-19	1345 1350	"	1.4	0.19	0.53		0.10			.5	5	"
109	2-26	1345 1355	"	3.0	1.00	1.80		1.8			.6	4	"
110	3-5	1330 1335	"	1.5	0.49	0.57		0.28			.6	4	"
111	3-12	1355 1355	"	1.6	0.48	0.46		0.22			.6	5	"
112	3-19	1430 1435	"	1.4	0.29	0.55		0.16			.6	4	"
113	3-26	1350 1355	"	1.6	0.53	0.49		0.26			.6	4	"
114	4-2	1400	"				0.30	0.13		V		NOTCH WEIR	
115	4-9	1355	"				0.40	0.26		"	"	"	
116	4-23	1435	"				0.35	0.19		"	"	"	
117	5-7	1408	TURNER-BOLLINGER				0.35	0.19		"	"	"	
118	5-20	1345	TURNER				0.25	0.08		"	"	"	
119	6-4	1400	"				0.22	0.06		"	"	"	
120	6-17	1210	"				0.20	0.05		"	"	"	
121	6-26	1345	"				0.16	0.03		"	"	"	
122	7-8	1215	"				0.21	0.05		"	"	"	
123	7-23	1400	"				0.17	0.03		"	"	"	
124	8-6	1355	"				0.15	0.02		"	"	"	
125	8-20	1340	"				0.12	0.01		"	"	"	
126	9-3	1415	"				0.14	0.02		"	"	"	
127	9-24	1515	"				0.14	0.02		"	"	"	

RISING WATER AT WHITTIER NARROWS

THIS IS A COMPUTED DISCHARGE DETERMINED WEEKLY, EXCEPT WHEN THERE IS BANK RUNOFF DURING STORMS, FROM DISCHARGE MEASUREMENTS BY THE FORMULA:

$$S = A + B - (D + X) + I + J + (K - L) + N + O - Q \text{ WHICH, IN GENERAL,}$$

- S = THE RISING WATER AT WHITTIER NARROWS, IN SECOND-FEET.
- A = THE MEASURED DISCHARGE AT STATION F64-R, RIO HONDO 1000 FEET ABOVE MISSION BRIDGE.
- B = THE MEASURED DISCHARGE AT STATION F83-R, MISSION CREEK (FORMERLY RIO HONDO SLOUGH) AT SAN GABRIEL BLVD.
- D = THE MEASURED DISCHARGE OF THE RIO HONDO ABOVE RISING WATER.
- X = ADDITIONAL FLOW AT VARIOUS LOCATIONS.
- I = THE MEASURED DISCHARGE OF TEMPLE DITCH.
- J = THE MEASURED DISCHARGE OF RINCON DITCH.
- K = THE MEASURED DISCHARGE AT STATION F84S, CATE DITCH BELOW SLUICE GATE.
- L = THE MEASURED, OR ESTIMATED, DISCHARGE FROM THE CATE DITCH WELL.
- N = THE MEASURED DISCHARGE AT STATION F85-S, STANDEFER DITCH BELOW HEADGATE.
- O = THE MEASURED DISCHARGE AT STATION F86-S, SAN GABRIEL RIVER BELOW STANDEFER DITCH.
- Q = THE MEASURED DISCHARGE OF SAN GABRIEL RIVER ABOVE RISING WATER.

FOR THE PURPOSE OF DETERMINING THE MONTHLY AND YEARLY RUNOFF, STRAIGHT LINE VARIATION IN FLOW BETWEEN MEASUREMENTS HAS BEEN ASSUMED, INCLUDED HEREWITH IS THE GRAPH SHOWING THE MEAN MONTHLY RISING WATER SINCE JANUARY 1923.

Factor "N"
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F66-S
below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SQ. FT.	RAT. INB	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
752	10-4	1000 1005	WADDICOR	4.24	4.48	0.74		3.3	.6	6			FC37
753	10-11	0955 1000	"	4.20	4.40	0.75		3.3	.6	6			"
754	10-18	1030 1038	"	4.22	4.40	0.84		3.7	.6	6			"
755	10-25	1008 1016	"	4.34	4.94	0.81		4.0	.6	6			"
756	11-1	1008 1016	"	4.36	4.94	0.83		4.1	.6	6			"
757	11-8	0930 0934	WADDICOR-HOLLERON	4.40	5.18	0.75		3.9	.6	6			"
758	11-15	0950 0958	WADDICOR	4.50	5.72	0.89		5.1	.6	6			"
759	11-23	1020 1028	"	4.42	5.28	0.83		4.4	.6	6			"
760	11-29	1000 1008	"	4.50	5.64	0.82		4.6	.6	6			"
761	12-6	1000 1010	"	4.58	6.00	0.80		4.8	.6	6			"
762	12-13	1000 1010	"	4.6	6.00	1.08		6.5	.6	6			"
763	12-20	1020 1028	"	4.58	6.00	1.08		6.5	.6	6			"
764	12-27	0945 0953	"	4.58	6.00	1.07		6.4	.6	6			"
765	1-3	1120	"					0					
766	1-10	0940	"					0					
767	2-7	0942	"					0					
768	2-14	0945	"					0					
769	2-21	0955	"					0					
770	2-28	0950	"					0					
771	3-6	0935	"					0					
772	3-14	0910	"					0					
773	3-27	"	"					0					
774	4-3	"	"					0					
775	4-17	0905	"					0					
776	4-24	0927	"					0					
777	5-1	1045	"					0					
778	5-8	1000	"					0					
779	5-15	0920	"					0					
780	5-22	0950	"					0					
781	5-29	1245	"					0					
782	6-5	0945 0955	"	3.90	3.10	1.97		6.1	.6	6			FC37
783	6-12	0950 0958	"	3.90	2.95	1.92		5.7	.6	6			"
784	6-19	0955 1000	"	3.84	2.88	1.77		5.1	.6	6			"
785	6-26	1000 1010	"	3.90	3.10	1.90		5.9	.6	6			"
786	7-3	1000 1010	"	3.96	3.34	1.29		4.3	.6	6			"
787	7-10	0950 0958	"	4.20	4.24	0.97		4.1	.6	6			"
788	7-17	1000 1008	"	3.80	2.72	1.80		5.0	.6	6			"
789	7-24	1000 1008	"	3.80	2.72	1.80		4.9	.6	6			"

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SQ. FT.	RAT. INB	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
790	7-31	1050 1058	"	3.66	2.20	1.50		3.3	.6	6			"
791	8-7	1000 1008	"	3.88	3.02	1.12		3.4	.6	6			"
792	8-14	1018 1026	LANG-WADDICOR	3.72	2.31	1.69		3.9	.6	9			"
793	8-21	0945 0953	LANG	3.80	2.71	1.59		4.3	.6	7			FC12
794	8-28	1012 1021	"	3.76	2.56	1.83		4.7	.6	9			"
795	9-4	1030 1038	WADDICOR-LA BAHN	3.60	1.98	1.26		2.5	.6	6			FC37
796	9-11	1000 1005	WADDICOR-DE MARS	3.70	2.20	1.36		3.0	.6	6			"
797	9-18	0910 0920	WADDICOR	3.68	2.28	1.10		2.5	.6	6			"
798	9-25	0937 0945	"	3.62	2.06	1.41		2.9	.6	6			"

Factor "N"
DISCHARGE MEASUREMENTS OF STANDEFER DITCH F66-S
AT NEAR below Headgate DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	SEBIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE SQ. FT.	RAT. INB	METH. CO.	MEAN REC. NO.	S. INT. CHANGE TOTAL	METER NO.
799	10-2	1100 1110	WADDICOR	3.6	2.06	1.07		2.2	.6	6			FC37
800	10-9	0930 0940	"	3.7	2.36	1.74		4.1	.6	6			"
801	10-15	1310 1315	WADDICOR-DE MARS	3.72	2.42	1.66		4.0	.6	6			"
802	10-23	0910 0920	WADDICOR	3.76	2.49	1.94		4.7	.6	6			"
803	10-30	1032 1040	"	3.82	2.78	1.91		5.3	.6	6			"
804	11-6	"	"					0					
805	11-13	"	"					0					
806	11-20	"	"					0					
807	11-26	0957	"					0					
808	12-4	1000	"					0					
809	12-11	1000	"					0					
810	12-18	1015	"					0					
811	12-26	0990	"					0					
812	12-31	1015	"					0					
813	1-15	1040	WADDICOR-WHISLER					0					
814	1-22	0940	WADDICOR					0					
815	1-29	0940	"					0					
816	2-5	0927	"					0					
817	2-11	1050	"					0					
818	2-19	0935	"					0					
819	2-26	0920	"					0					
820	3-5	0940	"					0					
821	3-12	1310	HYDE					0					

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. OF. CHANGE TOTAL	METER NO.
822	3-19	0922	WADDICOR					0					
823	3-26	0940	"					0					
824	4-2	1050	WADDICOR-LINDSAY					0					
825	4-9	1017 1024	WADDICOR	3.88	2.96	1.96		5.8	.6	6		FC37	
826	4-16	0930 0938	"	3.9	3.18	1.95		6.2	.6	6		"	
827	4-23	1015	"					0.30	EST				
828	4-30	0945 0953	"	3.96	3.28	1.98		6.5	.6	6		FC37	
829	5-7	0955 1002	"	3.80	2.78	1.72		4.8	.6	6		"	
830	5-14	0936 0944	"	3.92	3.18	1.57		5.0	.6	6		"	
831	5-21	0952 1002	"	4.04	3.74	1.18		4.4	.6	6		FC29	
832	5-28	1000	"	3.80	2.78	1.83		5.1	.6	6		FC37	
833	6-4	0955 1008	"	3.60	1.99	2.37		4.7	.6	6		"	
834	6-11	1002	WADDICOR-THOMAS	3.78	2.64	1.78		4.7	.6	6		"	
835	6-18	0930 1008	WADDICOR	3.80	2.72	1.80		4.9	.6	6		"	
836	6-25	1003 1013	"	3.84	2.88	1.53		4.4	.6	6		"	
837	7-2	0945 0933	"	3.72	2.42	1.65		4.0	.6	6		"	
838	7-9	0933 0939	"	3.80	2.64	1.74		4.6	.6	6		"	
839	7-16	1007 1015	WADDICOR-HASKELL	3.66	2.20	1.41		3.1	.6	6		"	
840	7-23	0947 0955	WADDICOR	3.6	2.06	1.26		2.6	.6	6		"	
841	7-30	0947 0955	"	3.7	2.28	1.45		3.3	.6	6		"	
842	7-30	1005 1003	"	3.7	2.26	1.46		3.3	.6	6		"	
843	8-6	1008 1006	GODFREY-WADDICOR	3.66	2.20	1.36		3.0	.6	6		"	
844	8-13	0950 1000	WADDICOR	3.6	2.12	1.32		2.8	.6	6		"	
845	8-20	1145 1150	GODFREY	3.6	1.89	1.06		2.0	.6	6		FC28	
846	8-27	1005 1004	"	3.6	1.89	1.09		2.1	.6	6		"	
847	9-2	0932 0938	WADDICOR	3.6	2.12	1.27		2.7	.6	6		FC37	
848	9-11	1109	"	3.64	2.12	1.18		2.5	.6	6		"	
849	9-18	0945 0942	"	3.64	2.12	1.32		2.8	.6	6		"	
850	9-25	0954 0959	"	3.62	2.06	1.14		2.4	.6	6		"	

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. OF. CHANGE TOTAL	METER NO.
769	4-3		"					30.0	EST.				
770	4-17	0940 0952	"	47.0	16.7	1.41		26.3	.6	13		FC37	
771	4-24	0932 0938	"	75.0	23.2	1.13		26.2	.6	18		"	
772	5-1	1055 1010	"	76.0	25.0	1.16		28.9	.6	17		"	
773	5-8	1010	"					28	EST				
774	5-15	0930 0932	"	42.5	16.6	1.20		19.9	.6	11		FC37	
775	5-22	1010	"					21.0	EST				
776	5-29	1220	"					18.0	EST				
777	6-5	1000 1012	"				CHANNELS	9.6	.6	10		FC37	
778	6-12	1005 1015	"	7.7	3.62	2.13		7.7	.6	9		"	
779	6-19	1015	"	TWO CHANNELS				8.5	.6	14		"	
780	6-26	1012	"	"	"			8.6	.6	15		"	
781	7-3	1020	"	8.0	3.32	1.99		6.6	.6	9		"	
782	7-10	1015 1032	"	TWO CHANNELS				6.3	.6	14		"	
783	7-17	1015 1030	"	"	"			5.8	.6	13		"	
784	7-24	1039	"	"	"			6.7	.6	13		"	
785	7-31	1115	"	"	"			4.5	.6	13		"	
786	8-7	1028 1042	"	"	"			6.6	.6	12		"	
787	8-14	1035	LANG-WADDICOR	7.8	2.84	1.56		4.5	.6	12		"	
788	8-21	0918 0918	LANG	8.1	3.23	1.55		5.0	.6	11		FC12	
789	8-28	1027 1045	"	8.1	2.82	1.24		3.5	.6	12		"	
790	9-4	1045 1052	WADDICOR	8.0	2.75	1.27		3.5	.6	9		FC37	
791	9-11	1012 1022	WADDICOR-DE MARS	8.5	3.28	1.37		4.5	.6	10		"	
792	9-18	0920 0920	WADDICOR	8.0	3.76	1.41		5.3	.6	9		"	
793	9-25	0955 1008	"	8.7	3.50	1.26		4.4	.6	10		"	

Factor #0" DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER FB8-S
 AT below Standerfer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 53

Factor #0" DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER FB8S
 AT below Standerfer Ditch DURING THE YEAR ENDING SEPTEMBER 30, 52

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. OF. CHANGE TOTAL	METER NO.
747	10-4	1018	WADDICOR	6.6	8.09	0.38		4.7	.6	10		FC37	
748	10-11	1018	"	9.2	7.89	0.37		4.4	.6	11		"	
749	10-18	1008	"	12.0	8.11	0.42		3.4	.6	9		"	
750	10-25	1007	"	8.8	8.79	0.55		5.7	.6	10		"	
751	11-1	1008	"	9.3	9.33	0.38		5.4	.6	9		"	
752	11-8	0939	WADDICOR-HOLLERON	10.0	10.8	0.63		6.6	.6	11		"	
753	11-15	1019	WADDICOR	9.5	11.0	0.55		6.1	.6	11		"	
754	11-22	1002	"	11.0	12.3	0.54		6.6	.6	9		"	
755	11-29	1018	"	8.5	9.80	0.56		5.5	.6	9		"	
756	12-6	1000	"	8.7	10.8	0.80		5.4	.6	8		"	
757	12-13	1020	"					4.8	EST.				
758	12-20	1035	"					4.8	EST.				
759	12-27	1000	"					4.8	EST.				
760	1-3	1128	"					28.0	EST.				
761	1-10	0980	"					15.0	EST.				
762	2-7	0942	"					18.0	EST.				
763	2-14	0948	"	24.0	13.3	2.04		27.1	.6	9		FC37	
764	2-21	1000	"	25.0	13.2	2.00		26.4	.6	13		"	
765	2-28	1000	"	39.2	15.6	1.26		19.6	.6	15		"	
766	3-6	0940	"	28.8	12.2	2.04		24.9	.6	11		"	
767	3-14	0948	"	18.0	12.0	2.48		28.4	.6	11		"	
768	3-27		"					30.0	EST.				

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. INCH	METH. NO.	MEAN. RES. NO.	S. OF. CHANGE TOTAL	METER NO.
794	10-2	1120 1130	WADDICOR	7.4	2.72	1.54		4.2	.6	9		FC37	
795	10-9	0945 0955	"	6.4	2.47	1.78		4.4	.6	8		"	
796	10-15	1000	WADDICOR-DE MARS	7.0	3.18	1.89		6.0	.6	7		"	
797	10-23	0920 0920	WADDICOR	7.0	3.45	1.97		6.8	.6	8		"	
798	10-30	1210 1200	"	7.0	2.96	1.66		4.9	.6	8		"	
799	11-6		"					12.0	EST.				
800	11-13		"					15.0	EST.				
801	11-20		"					15.0	EST.				
802	11-28	1002	"	39.0	18.6	1.28		21.0	.6	12		FC37	
803	12-4	1000	"				CHANNELS	16.0	EST.	11		"	
804	12-11	1010 1010	"	39.5	16.3	1.35		22.0	.6	12		"	
805	12-18	1007	"	36.0	19.9	1.41		28.0	.6	12		"	
806	12-26	0945 1000	"	31.0	25.7	0.90		23.2	.6	11		"	
807	12-31	1020	"					29	EST.				
808	1-15	1011 1010	WADDICOR-WHISLER	48.5	23.6	1.37		32.3	.6	17		FC37	
809	1-22	0938	WADDICOR	28.5	17.6	1.77		31.1	.6	13		"	
810	1-29	1010	"	49.5	21.8	1.50		32.6	.6	18		"	
811	2-5	0935 0935	"	49.6	20.7	1.45		30.0	.6	17		"	
812	2-11	1000 1012	WADDICOR-GODFREY	49.5	19.3	1.39		28.5	.6	18		"	
813	2-19	0945 1010	WADDICOR	46.8	17.7	1.42		25.2	.6	17		"	
814	2-26	0935 0935	WADDICOR-HYDE	39.0	17.6	1.40		24.7	.6	14		"	
815	3-5	0948 1010	WADDICOR	45.0	19.0	1.44		27.4	.6	18		"	
816	3-12	1000 1010	HYDE	46.0	23.0	1.30		29.9	.6	17		FC37	

NR.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE MEASUREMENT FEET	DISCHARGE CUB. FT.	RAT-ING	METH. OF MEAS.	MEAN DISCH. NO.	S. M. DISCHARGE TOTAL	METER NO.
817	3-19	0939 0947	WADDICOR	32.0	16.8	1.50		25.2		.6	14		FC27
818	3-28	0935 1000	"	12.7	12.8	1.89		24.2		.6	12		"
819	4-2	1087 1115	WADDICOR-LINDSAY	12.8	11.4	1.97		22.4		.6	13		"
820	4-9	1040 1068	WADDICOR	14.1	11.0	1.52		16.7		.6	15		"
821	4-16	0943 1000	"	11.1	6.85	1.66		11.4		.6	10		"
822	4-23	1030 1035	"	16.0	13.8	1.32		18.2		.6	10		"
823	4-30	1079	"	10.0	12.0	2.34		28.1		.6	12		"
824	4-30	1032 1050	"	10.5	8.88	2.42		21.5		.6	12		"
825	5-7	1010 1027	"	10.0	9.73	1.94		18.9		.6	12		"
826	5-14	0950 1006	"	9.70	9.65	1.63		17.5		.6	11		"
827	5-21	1010 1022	"	9.5	9.96	1.75		17.4		.6	11		FC29
828	5-28	1019 1025	"	9.5	10.1	1.59		16.1		.6	12		FC37
829	6-4	1020 1035	"	9.9	10.3	1.68		17.3		.6	11		"
830	6-11	1047 1102	WADDICOR-THOMAS	10.0	9.91	1.44		14.3		.6	11		"
831	6-18	0935 0950	WADDICOR	10.0	9.76	1.49		14.5		.6	11		"
832	6-25	1025 1040	"	10.0	9.35	1.37		12.8		.6	11		"
833	7-2	1000 1015	"	10.0	9.31	1.36		12.7		.6	11		"
834	7-9	0944 0959	"	10.0	9.92	0.96		9.5		.6	11		"
835	7-16	1027 1042	WADDICOR-HASKELL	10.5	8.19	1.09		8.9		.6	12		"
836	7-23	0935 0950	WADDICOR	9.5	8.68	0.96		8.3		.6	11		"
837	7-30	1010 1025	"	9.3	7.68	1.06		8.1		.6	11		"
838	8-6	1045 1100	GODFREY-WADDICOR	9.3	7.70	0.96		7.4		.6	11		"
839	8-13	0900 0915	WADDICOR	9.1	7.54	1.01		7.6		.6	10		"
840	8-20	1212	GODFREY	8.8	6.88	0.73		5.0		.6	10		FC28
841	8-27	1115 1132	"	8.9	7.09	0.73		5.2		.6	11		"
842	9-2	0950 1006	WADDICOR	9.0	7.25	0.91		6.6		.6	10		FC37
843	9-11	1120 1130	"	10.0	9.89	0.63		6.2		.6	11		"
844	9-18	0950 1002	"	8.8	7.49	0.89		6.7		.6	11		"
845	9-25	1005 1020	"	8.5	7.15	0.84		6.2		.6	10		"

Factor 10⁴
DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER - DISCHARGE FROM STATE FISH HATCHERY

AT NEAR Syphon Road DURING THE YEAR ENDING SEPTEMBER 30, 19 52

NO.	DATE	SEIN NO.	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT./PER SEC.	GAUGE MEASUREMENT FEET	DISCHARGE CUB. FT.	RAT-ING	METH. OF MEAS.	MEAN DISCH. NO.	S. M. DISCHARGE TOTAL	METER NO.
59	10-4	0935	WADDICOR				0.16	1.2		WEIR			
60	10-11	0940	"				0.16	1.2		"			
61	10-18	0930	"				0.16	1.2		"			
62	10-25	0948	"				0.16	1.2		"			
63	11-1	0950	"					1.2		EST.			
64	11-15	0940	"					0		"			

TED 74M F. C. Dist. 88 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of **RISING WATER at Whittier Narrows** for the year ending September 30, 1952

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15.8	16.4	20.9	24.5	40.4	38.6	51.2	49.4	30.4	29.9	19.5	17.5
2	15.7	16.5	21.1	23.0	39.9	39.5	50.5	49.0	30.5	25.3	19.8	17.0
3	15.5	16.6	21.4	23.5	39.5	40.4	49.9	48.7	30.6	24.7	20.0	16.6
4	15.4	16.6	21.6	23.8	39.1	41.4	50.4	48.3	30.6	24.6	20.5	16.1
5	15.2	16.7	21.9	24.2	38.7	42.3	50.8	48.0	30.7	24.4	20.8	16.4
6	15.0	16.7	22.1	24.5	38.2	43.2	51.3	47.6	30.4	24.3	21.1	16.7
7	14.8	16.8	22.7	26.8	37.8	44.4	51.8	47.3	30.1	24.1	21.4	16.9
8	14.7	16.8	23.3	27.1	38.9	45.6	52.3	46.9	29.8	24.0	21.5	17.2
9	14.5	17.1	23.9	27.5	40.0	46.8	52.7	45.6	29.4	23.8	21.5	17.4
10	14.3	17.3	24.6	27.8	41.1	48.0	53.2	44.4	29.1	23.7	21.6	17.6
11	14.1	17.6	25.2	27.9	42.2	49.2	52.0	43.1	28.8	23.7	21.7	17.8
12	14.1	17.9	25.8	28.0	43.4	50.4	50.9	41.8	28.5	23.7	21.8	17.8
13	14.1	18.2	26.4	28.2	44.4	51.7	49.7	40.6	28.5	23.7	21.8	17.8
14	14.1	18.4	26.1	28.4	45.6	53.9	48.6	39.3	28.1	23.7	21.9	17.7
15	14.0	18.7	25.7	28.4	45.3	53.0	47.4	38.0	27.9	23.7	21.8	17.7
16	14.0	19.0	25.3	28.5	44.9	53.2	46.2	38.0	27.8	23.7	21.6	17.6
17	14.0	19.4	24.9	28.7	44.6	53.4	45.1	38.0	27.6	23.7	21.5	17.6
18	14.0	19.8	24.5	28.8	44.2	53.5	45.2	38.0	27.4	23.7	21.4	17.6
19	14.3	20.0	24.1	28.9	43.9	53.6	45.4	38.1	27.2	23.7	21.3	17.6
20	14.6	20.3	23.8	29.0	43.5	53.8	45.5	38.1	27.5	23.7	21.1	17.6
21	14.9	20.6	23.5	29.1	43.2	53.9	45.6	38.1	27.7	23.8	21.0	17.6
22	15.2	21.0	23.0	29.4	42.3	53.9	45.8	38.1	27.7	23.8	20.8	17.7
23	15.5	21.3	22.7	29.5	41.3	54.0	45.9	37.7	27.0	23.8	20.5	17.7
24	15.8	21.2	22.7	29.5	40.4	54.1	46.0	35.8	28.5	23.8	20.3	17.7
25	16.1	21.0	22.4	31.1	39.5	54.2	46.5	34.7	28.7	23.1	20.1	17.7
26	16.1	20.8	22.2	32.7	38.6	54.2	47.0	33.6	29.0	22.5	19.9	17.7
27	16.2	20.7	22.0	34.4	37.6	54.3	47.5	32.4	28.4	21.8	19.6	17.7
28	16.2	20.6	22.5	36.0	36.7	53.7	47.9	31.3	27.8	21.8	19.4	17.7
29	16.3	20.4	23.0	37.6	37.6	53.0	48.4	30.2	28.2	20.5	18.9	17.6
30	16.3	20.6	23.5	39.8	37.6	52.4	48.9	30.3	28.5	19.9	18.5	17.6
31	16.4	24.0	24.0	40.8	38.8	52.8	48.9	30.4	28.6	19.8	18.0	17.6
MEAN	15.1	18.8	23.5	29.6	41.1	49.9	48.7	40.0	28.7	23.4	20.7	17.4
ACRE-FEET	927.	1120.	1440.	1820.	2370.	3070.	2900.	2460.	1710.	1440.	1270.	1040.
Remarks:												
	YEAR OR PERIOD MEAN 22.7											
	ACRE-FEET 21570.											

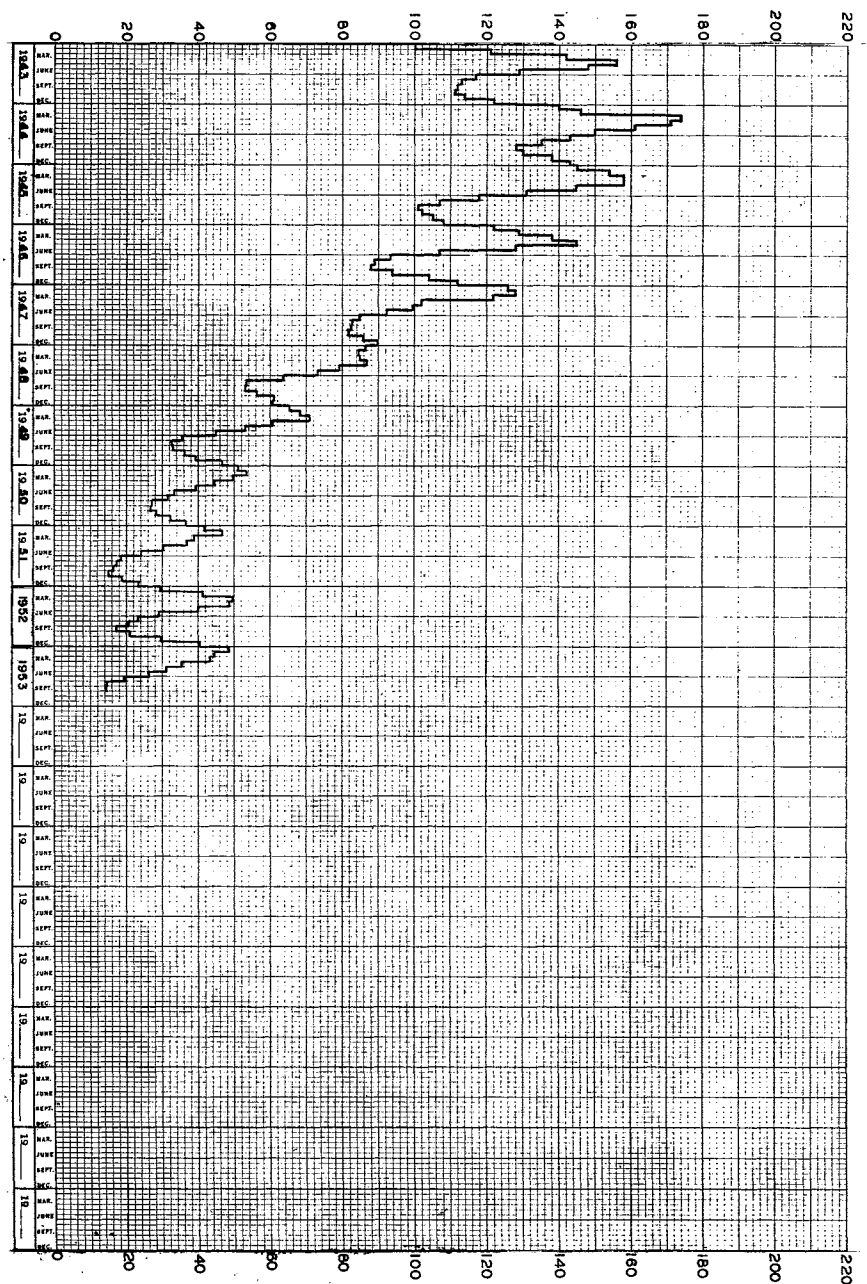
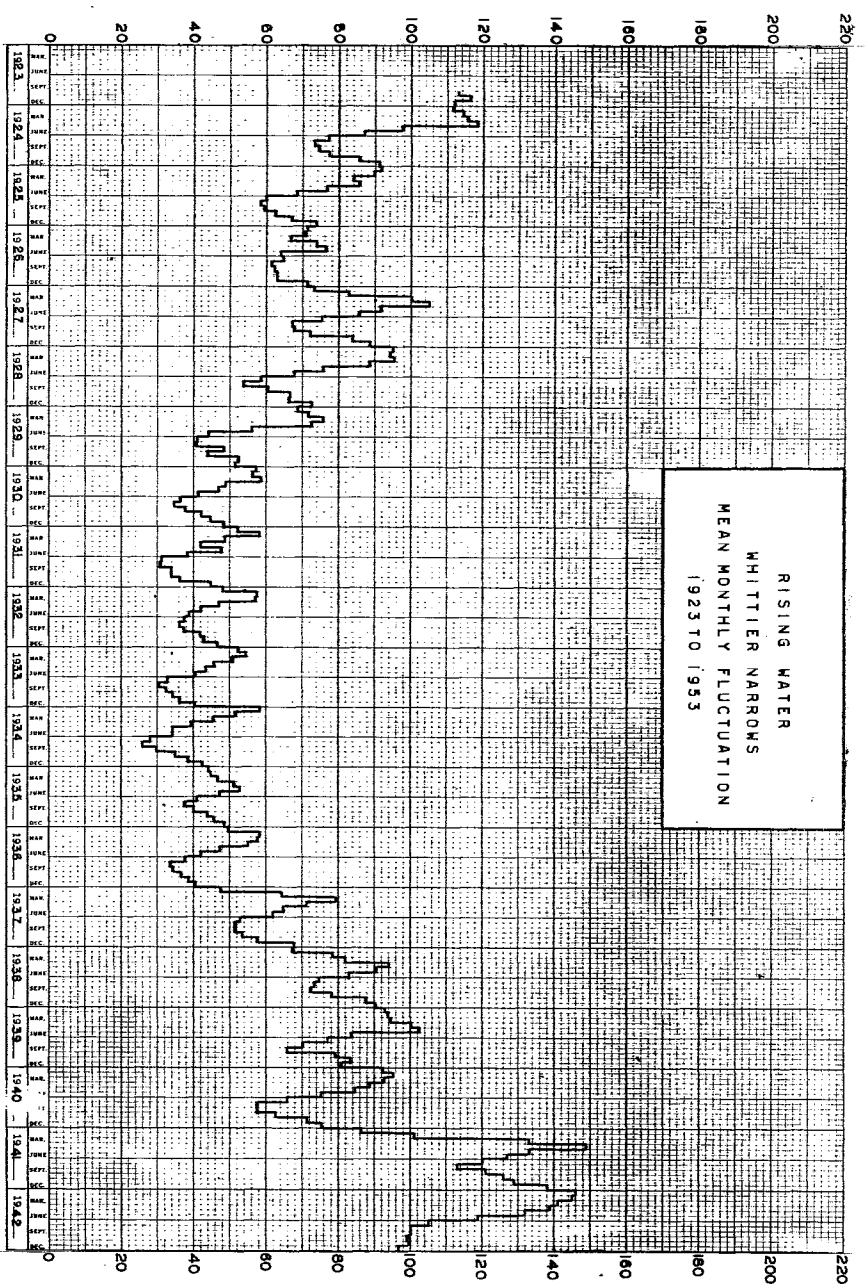
TED 74M F. C. Dist. 88 8-50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Sta. No.

Daily discharge, in second-feet of **RISING WATER at Whittier Narrows** for the year ending September 30, 1953

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17.6	25.4	32.3	48.6	49.7	43.1	38.6	35.0	29.1	24.2	17.5	14.0
2	17.6	25.8	31.4	45.3	49.3	43.5	38.0	34.7	29.2	24.2	16.9	14.2
3	17.9	26.2	30.6	45.0	48.9	43.9	38.0	34.3	29.2	24.2	16.7	14.3
4	18.1	26.6	29.8	44.6	48.6	44.3	38.1	34.0	29.5	24.3	16.4	14.3
5	18.4	27.0	31.4	44.3	48.2	44.7	38.1	33.6	29.0	24.4	16.4	14.3
6	18.7	27.4	32.9	44.0	47.6	45.2	38.1	33.3	28.6	21.9	15.6	14.5
7	19.0	27.6	34.5	43.7	46.9	45.6	38.2	32.9	28.1	21.3	15.9	14.4
8	19.2	27.8	36.0	43.4	46.3	46.3	38.2	32.6	27.7	20.7	15.9	14.4
9	19.6	28.0	37.5	44.6	45.7	46.8	38.2	32.3	27.2	20.1	15.9	14.4
10	19.9	28.1	39.1	45.8	45.0	47.3	37.5	32.0	26.8	19.9	15.9	14.4
11	20.2	28.2	40.7	47.0	44.4	47.9	36.7	31.7	26.3	19.7	15.9	14.4
12	20.5	28.5	41.4	48.1	44.1	48.4	36.0	31.5	26.1	19.5	15.9	14.5
13	20.9	28.7	42.0	49.3	43.7	47.4	35.2	31.3	26.0	19.3	15.9	14.6
14	21.2	28.8	42.7	50.5	43.4	46.4	34.5	30.9	25.8	19.1	15.5	14.7
15	21.6	28.9	43.4	51.7	43.0	45.4	33.7	30.9	25.6	18.9	15.1	14.7
16	21.8	29.0	44.1	51.5	42.7	44.4	33.0	30.9	25.4	18.7	14.7	14.8
17	21.9	29.0	44.7	51.4	42.4	43.4	33.1	30.9	25.3	18.5	14.3	14.9
18	22.1	29.1	45.4	51.2	42.0	42.4	33.2	30.8	25.1	18.4	13.9	15.0
19	22.2	29.2	45.0	51.0	41.7	41.4	33.3	30.8	24.9	18.2	13.5	15.0
20	22.4	29.3	44.1	50.7	41.5	41.5	33.5	30.8	24.8	18.2	13.4	14.9
21	22.6	30.5	44.1	50.5	41.8	41.6	33.7	30.8	24.7	17.9	13.1	14.9
22	22.7	31.7	43.6	50.5	41.8	41.7	33.8	30.8	24.6	17.8	13.2	14.9
23	22.9	32.8	43.2	50.5	41.8	41.7	33.8	30.8	24.5	17.8	13.2	14.8
24	23.1	34.0	42.8	50.6	41.8	41.8	34.0	29.9	24.4	17.6	13.3	14.8
25	23.4	35.2	42.3	50.6	41.9	41.8	34.3	29.5	24.4	17.6	13.3	14.8
26	23.6	36.4	41.9	50.7	41.9	41.9	34.5	29.2	24.0	17.6	13.4	14.8
27	23.9	42.7	42.7	50.7	42.3	41.3	34.7	28.9	24.1	17.7	13.4	14.9
28	24.1	43.5	43.5	50.8	42.7	40.6	34.9	28.8	24.1	17.7	13.5	15.0
29	24.4	44.4	44.4	50.8	42.7	40.2	35.2	28.8	24.1	17.7	13.7	15.1
30	24.6	45.1	45.1	50.8	42.7	39.7	35.4	28.9	24.2	17.7	13.8	15.2
31	25.0	45.9	45.9	50.8	42.7	39.1	35.4	28.9	24.2	17.7	13.9	15.2
MEAN	21.3	29.9	40.3	48.6	44.3	43.6	35.6	31.3	26.1	19.5	14.8	14.6
ACRE- FEET	1310.	1780.	2480.	2990.	2460.	2680.	2120.	1920.	1550.	1200.	909.	872.
Remarks:												
	YEAR OR PERIOD MEAN 30.8											
	ACRE-FEET 22270.											



DISCHARGE IN SECOND-FEET

MISCELLANEOUS STATIONS

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA
 AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. CO.	MEAN. RES. NO.	S. HY. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER 1 mile below Ravenna										
7	9-4	1006 1010	LUCE-HYDE	5.0	1.47	1.22		1.8	.6	7			FC41

DISCHARGE MEASUREMENTS OF SANTA CLARA RIVER DRAINAGE AREA
 AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. CO.	MEAN. RES. NO.	S. HY. CHANGE TOTAL	METER NO.
			SANTA CLARA RIVER: 1 Mile below Ravenna										
8	3-13	1434 1432	TURNER	4.1	2.43	1.44		3.5	.6	6			FC43
9	4-16	1519 1518	"	3.6	2.52	1.35		3.4	.5	6			"
10	5-21	1000 1010	"	4.0	2.26	1.24		2.8	.6	6			"
11	6-18	0930 0940	"	14.5	5.98	0.43		2.6	.6	8			"
12	7-16	1346 1355	"	13.0	3.40	0.56		1.9	.6	8			"
13	8-19	1010 1019	"	5.0	1.50	1.07		1.6	.6	7			"
14	9-2	0945 0958	HYDE	4.8	2.06	1.15		2.4	.5	8			FC24
15	9-10	0910 0922	"	4.9	1.80	1.00		1.8	.5	8			FC35

DISCHARGE MEASUREMENTS OF BALLONA CREEK DRAINAGE AREA
 AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. CO.	MEAN. RES. NO.	S. HY. CHANGE TOTAL	METER NO.
			BALLONA CREEK at Jackson Avenue										
451	10-4	1117 1130	BOLLINGER	6.9	5.22	1.65		8.6	.6	10			FC6
452	10/11	1033 1046	"	7.3	5.04	1.31		6.6	.6	10			"
453	10-18	1313 1313	"	7.3	5.94	1.88		11.2	.6	10			"
454	10-25	1029 1061	"	12.7	12.5	1.50		18.8	.6	16			"
455	11-1	0953 1007	"	9.6	7.27	0.84		6.1	.6	13			"
456	11-8	1005 1020	"	8.5	5.18	0.87		4.5	.6	12			"
457	11-15	0990 1005	"	9.2	6.42	0.78		5.0	.6	12			"
458	11-23	0858 0858	"	10.3	9.12	0.83		7.6	.6	13			"
459	11-29	1018 1032	"	9.9	7.06	0.37		2.6	.6	12			"
460	12-6	1109 1119	"	9.1	8.05	0.83		5.1	.6	12			"
461	12-13	1015 1030	"	9.8	8.79	0.84		5.6	.6	12			"
462	12-20	1017 1035	"	11.8	7.65	0.85		6.5	.6	14			"
463	12-27	0939 0939	"	10.1	6.15	0.88		5.4	.6	12			"
464	1-4	1143 1200	"	13.2	8.93	0.86		7.7	.6	15			"
465	1-10	1110 1126	"	12.8	8.58	0.61		5.2	.6	13			"
466	1-31	1002 1021	THOMAS	11.1	8.63	1.15		9.9	.6	10			FC42
467	2-7	1115 1131	"	10.9	8.49	1.27		10.8	.5	13			"
468	2-14	1010 1026	"	11.1	8.04	0.86		6.9	.5	9			"
469	2-21	1015 1035	"	10.4	7.84	1.05		8.3	.5	11			"
470	3-6	1010 1026	BOLLINGER	9.2	7.95	0.91		7.2	.6	12			FC6

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. CO.	MEAN. RES. NO.	S. HY. CHANGE TOTAL	METER NO.
471	4-24	1140 1155	"	12.3	7.76	1.30		10.1	.6	12			"
472	5-1	1037 1056	"	20.6	10.3	0.98		10.1	.6	14			"
473	5-8	1200 1217	"	14.6	9.49	1.22		11.6	.6	12			FC49
474	5-15	1035 1053	"	35.0	5.47	1.21		6.6	.6	11			"
475	5-22	1030 1050	"	13.3	7.76	0.95		7.4	.6	12			"
476	6-5	0955 1013	"	14.0	7.11	1.10		7.8	.6	13			"
477	6-12	1035 1053	"	21.6	10.2	1.25		12.8	.6	14			"
478	6-19	0902 0922	"	14.3	6.51	1.40		9.1	.6	13			FC40
479	6-26	0919 0919	"	13.7	5.97	1.16		6.9	.6	13			FC6
480	7-3	1328 1350	"	20.5	15.2	1.50		22.8	.6	16			"
481	7-10	0927 0947	"	14.0	6.88	1.31		9.0	.6	14			"
482	7-17	0928 0952	THOMAS	18.3	9.41	1.00		9.4	.5	14			FC42
483	7-24	1150 1200	"	22.5	10.3	0.97		10.0	.5	14			"
484	8-1	0900 0950	BOLLINGER	18.2	12.0	1.08		12.9	.6	17			FC6
485	8-7	0942 1008	"	12.0	9.40	0.82		7.7	.6	14			"
486	8-14	0925 0942	"	11.5	10.2	0.86		8.8	.6	12			"

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA
 AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	RESIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE CFS	RAT. INS	METH. CO.	MEAN. RES. NO.	S. HY. CHANGE TOTAL	METER NO.
			PACOIMA CREEK above Pacoima Dam										
66	12-31	1420 1432	TURNER	20.2	20.0	2.16		43.1	.6	9			FC43
67	1-9	1503 1512	"	15.3	9.11	0.89		8.1	.6	9			"
68	2-6	1246 1255	"	14.0	10.0	2.17		21.7	.6	9			"
69	2-27	1255 1307	"	9.6	7.15	1.62		11.6	.6	11			"
70	4-16	1245 1257	"	14.5	14.0	2.18		30.5	.6	12			"
71	4-30	1305 1320	"	14.5	12.7	1.70		21.6	.6	12			"
72	5-15	1328 1340	"	14.5	10.1	1.37		13.8	.6	12			"
73	6-4	1205 1205	"	12.1	8.24	0.98		8.1	.6	11			"
74	7-9	1330 1342	"	10.2	4.89	0.41		2.0	.6	12			FC44
75	8-6	0850 0900	"	2.9	0.98	0.92		0.90	.6	6			FC45
76	8-20	0850 0856	"	3.0	0.89	0.80		0.71	.6	6			"
			MAY CANYON DIVERSION at Pacoima Wash										
2	4-9	1310 1315	TURNER	3.2	0.38	0.76		0.29	.5	5			FC43
			PACOIMA WASH near Van Owen Street										
7	1-20	1713 1721	BLAKELY-WESTLING	38.0	47.4	3.21		15.2	.6	12			FC24
8	3-19	1514 1530	TURNER	20.0	12.6	4.55		57.3	.6	8			FC29
9	3-19	1527 1533	"	20.0	10.6	3.94		41.8	.6	8			"
10	3-19	1535 1542	"	20.0	14.7	5.15		75.7	.6	8			"
			PACOIMA WASH above Los Angeles River										
2	3-18	1107 1135	LANG	18.1	15.0	4.59		68.9	.6	19			FC12
3	3-20	1085 1100	"	18.2	16.7	3.88		64.8	.6	13			"

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE RED. FT.	RAT- ING	METH- OD	HEAR- ING NO.	S. HY. DISCHARGE TOTAL	METER NO.
			BIG TUJUNGA CREEK above Josephine Creek										
39	5-1	1515 1530	TURNER	22.5	27.9	1.23		34.4	.6	11		FC43	
40	5-14	1535 1555	HYDE-TURNER	19.5	20.8	0.96		20.0	.6	14		"	
			FOX CREEK near Mouth of Canyon										
53	5-1	1550 1600	TURNER	9.5	6.86	0.96		6.7	.6	11		FC43	
54	5-14	1620 1630	HYDE-TURNER	7.5	5.16	0.85		4.4	.6	8		"	
			BIG TUJUNGA CREEK near Mouth of Canyon										
2	9-26	1015 1021	TURNER	2.3	0.47	0.47		0.22	.5	6		FC43	
			BIG TUJUNGA CREEK: I.A.W.D. Diversion to Spreading Grounds										
32	9-19	1230 1234	BLAKELY	2.2	1.10	1.09		1.2	.6	3		FC24	
			BIG TUJUNGA CREEK above Hansen Dam										
24	4-16	1100 1112	TURNER	23.8	19.3	1.01		19.5	.6	11		FC43	
25	4-30	1140 1155	"	29.0	16.0	1.49		23.8	.6	13		"	
26	6-11	1510 1525	"	35.0	25.8	0.63		16.3	.6	14		"	
27	6-17	1295 1310	"	TWO CHANNELS				5.3	.6	12		U.S.E.D. 35617	
28	6-25	0910 0920	"	13.0	7.39	0.96		7.1	.6	8		FC44	
29	6-25	1125 1145	"	9.5	4.08	0.64		2.6	.6	9		"	
30	7-2	1553 1605	"	12.0	7.32	0.89		6.5	.6	8		"	
31	7-16	0950 0960	"	36.0	14.2	0.38		5.4	.6	12		FC43	
32	7-16	1035 1050	"	TWO CHANNELS				7.3	.6	10		"	
33	7-23	0845 0900	"	"	"			6.8	.6	12		"	
34	7-30	0838 0847	"	"	"			7.5	.6	11		"	
35	8-6	1023 1035	"	"	"			7.0	.6	12		"	
36	8-20	1303 1315	"	THREE CHANNELS				13.2	.6	12		"	
37	9-10	1033 1045	"	"	"			12.8	.6	10		"	
38	9-19	1310 1318	BLAKELY	18.0	16.4	0.35		5.8	.6	8		FC24	
39	9-19	1345 1353	"	16.0	8.80	1.54		13.6	.6	9		"	
40	9-26	1230 1238	"	8.0	7.56	0.97		7.3	.6	9		"	
			BIG TUJUNGA CREEK near Gravel Pits										
5	6-17	1015 1025	TURNER	9.5	5.46	1.10		6.0	.6	11		U.S.E.D. 35617	
			LOS ANGELES RIVER above Victory Boulevard										
63	10-11	1418 1426	BLAKELY	12.5	3.50	1.54		5.4	.5	7		FC24	
64	11-1	1240 1246	"	7.4	2.51	1.75		4.4	.5	7		"	
65	1-9	1464 1452	"	11.9	8.54	1.62		13.8	.6	8		"	
			ARROYO SECO below Willard Creek										
62	1-20	1436 1455	MOON	41.0	41.3	2.60		108.	.6	14		FC22	
63	1-22	0837 0845	MOON-MURPHY	16.0	18.2	4.00		73.9	.6	7		"	
64	1-23	1325 1340	MOON	21.0	27.2	2.20		60.0	.6	10		"	
65	1-24	1608 1618	"	20.0	23.3	1.88		43.7	.6	7		"	

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE RED. FT.	RAT- ING	METH- OD	HEAR- ING NO.	S. HY. DISCHARGE TOTAL	METER NO.
66	1-25	1710 1718	MOON-MURPHY	20.0	16.8	1.40		23.8	.6	7		"	
67	1-26	1125 1130	MOON-TREAT	21.0	22.3	1.68		37.4	.6	12		"	
68	1-26	1845 1905	MOON	21.0	15.8	1.20		19.9	.6	12		"	
69	1-28	1400 1411	"	21.0	17.4	1.35		23.6	.6	12		"	
70	1-29	1530 1545	MOON-STANDEN	21.0	17.6	1.35		23.8	.6	12		"	
71	1-30	1424 1505	MOON	21.0	17.2	1.30		22.8	.8	12		"	
72	2-1	0950 1000	"	10.0	3.09	1.10		3.4	.6	6		"	
73	3-9	1088 1093	"	22.0	14.3	0.92		13.2	.6	13		"	
74	3-10	0955 1005	"	22.0	19.9	1.19		28.7	.6	13		"	
75	3-11	1555 1605	MOON-HYDE	22.5	22.9	1.54		35.3	.6	14		"	
76	3-13	1515 1525	MOON	23.2	24.8	1.61		39.9	.6	10		"	
77	3-18	0930 0948	"	25.0	33.6	2.91		97.9	.6	15		"	
78	3-19	0945 1005	"	27.5	33.2	2.32		76.9	.6	16		"	
79	3-20	1550 1600	"	25.5	31.9	2.15		68.5	.6	15		"	
80	3-21	1550 1610	"	26.0	27.4	2.13		58.4	.6	14		"	
81	3-24	1515 1533	"	25.0	20.8	1.89		39.4	.6	15		"	
82	3-25	1600 1610	"	25.0	22.5	1.95		43.9	.6	11		"	
83	3-26	1515 1535	"	25.0	24.6	2.01		49.5	.6	16		"	
84	3-27	1550 1600	"	25.0	21.5	1.89		40.6	.6	12		"	
85	3-29	0925 0942	"	25.0	19.4	1.80		34.9	.6	15		"	
86	3-31	1540 1555	"	24.5	16.4	1.68		27.6	.6	14		"	
87	4-2	1602 1615	"	24.5	13.0	1.51		19.6	.6	11		"	
			ARROYO SECO below Devil's Gate Dam										
138	12-5	1305 1315	MOON-WRIGHT	5.50	2.80	2.21		6.2	.6	7		FC22	
139	12-6	1197 1117	MOON	10.1	3.68	2.17		8.0	.5	9		"	
140	12-6	1120 1130	"	10.6	3.88	2.52		9.8	.5	9		"	
141	12-13	1610 1622	"	19.0	5.14	1.93		9.9	.6	11		"	
142	12-14	1150 1200	"	9.00	3.75	2.80		10.5	.6	10		"	
143	3-4	1130 1130	"	3.20	0.97	2.38		2.3	.6	6		"	
144	3-4	1230 1236	"	3.30	1.31	2.98		3.9	.6	6		"	
145	3-6	0840 0850	"	3.30	1.24	1.77		2.2	.6	6		"	
146	3-6	0915 0925	"	5.40	1.33	2.93		3.9	.6	8		"	
147	5-14	1325 1330	"	3.50	0.53	2.26		1.2	.6	5		"	
148	5-21	1600 1610	"	2.50	0.81	1.48		1.2	.6	6		"	
149	5-28	1120 1130	"	3.00	0.61	0.98		0.60	.6	6		"	

DISCHARGE MEASUREMENTS OF LOS ANGELES RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER SEC.	GAUGE HEIGHT FEET	DISCHARGE RED. FT.	RAT- ING	METH- OD	HEAR- ING NO.	S. HY. DISCHARGE TOTAL	METER NO.
			PACOMA CREEK above Pacoma Dam										
77	10-22	1220 1225	TURNER	2.0	0.31	0.81		0.25	.5	5		FC43	
78	11-20	1600 1605	"	2.9	0.53	0.75		0.40	.5	6		"	
79	1-21	1156 1205	"	6.0	2.30	1.35		3.1	.6	7		"	
80	5-27	1234 1240	BLAKELY	4.0	1.14	0.49		0.56	.5	6		FC24	

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	MEAS. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. HIB	METH. DS	MEAN HIB NO.	PER. CHANGE TOTAL	METER NO.
			SANTA ANITA CREEK above Santa Anita Dam										
86	5-1	0835 0880	MOON	20.5	8.50	1.60		13.6	.6	13			FC22
			SANTA ANITA CREEK below Santa Anita Dam										
439	12-12	1350 1405	MOON	9.0	8.91	1.33		11.9	.6	10			FC22
440	12-13	0915 0925	"	8.0	6.60	1.76		11.6	.6	9			"
441	12-14	0912 0927	"	9.5	5.04	2.26		11.4	.5	11			"
442	12-29	1420 1430	MOON-MURPHY	3.0	1.40	3.70		5.2	.6	4			"
443	12-29	1420 1428	"	11.0	5.20	2.00		10.4	.6	11			"
444	12-30	1405 1414	"	10.0	8.92	3.58		32.0	.6	8			"
445	12-31	1548 1600	"	10.0	11.0	3.80		41.9	.6	11			"
446	1-2	1325 1335	MOON	10.0	9.8	3.67		36.0	.6	11			"
447	1-3	1025 1035	"	7.0	3.90	3.00		12.0	.6	8			"
448	1-9	1040 1047	"	3.5	3.45	0.93		3.2	.6	5			FC48
449	1-12	1700 1710	MOON-MURPHY	10.0	11.4	4.63		52.8	.6	7			FC22
450	1-14	1527 1537	"	10.0	10.6	7.42		78.7	.6	6			"
451	1-15	1513 1519	"	13.5	7.70	4.80		37.0	.6	5			"
452	1-21	1030 1040	"	10.0	18.6	3.10		57.6	.6	6			"
453	1-24	1347 1357	"	9.0	10.4	1.79		18.7	.6	8			"
454	5-7	1110 1120	MOON	6.7	2.50	1.60		4.0	.6	9			"
455	5-21	1122 1132	"	10.0	10.4	4.47		46.5	.6	9			"
456	5-22	0910 0925	MOON-BRUNGTON	17.5	11.7	3.07		35.9	.6	13			"
457	5-27	0925 0939	MOON	9.5	5.80	2.64		15.3	.6	11			"
458	5-29	0920 0935	"	10.0	5.45	2.73		14.9	.6	11			"
459	6-5	0930 0940	"	9.7	4.76	2.42		11.5	.6	11			"
460	6-12	0930 0940	"	9.5	3.85	1.38		5.3	.6	11			"
461	6-24	0920 0927	"	4.5	1.12	1.61		1.8	.6	6			FC48
			SANTA ANITA CREEK: Three Cities Farms Diversion at Weir Box										
337	10-4	1020 1025	MOON	TWO CHANNELS				0.30	.5	4			FC48
338	10-11	0920 0925	"	"				0.60	.5	4			"
339	10-18	0930 0935	"	"				0.58	.5	4			"
340	10-25	1000 1005	"	"				0.12	.5	4			"
341	11-1	0930 0936	"	"				0.57	.5	4			FC22
342	11-8	0938 0944	"	"				0.55	.6	4			"
343	11-15	1000 1007	"	"				0.53	.6	4			FC48
344	11-29	1010 1015	"	"				0.35	.5	4			"
345	12-20	1015 1020	"	"				0.20	.5	4			"
346	1-9	1145 1150	"	"				1.1	.6	4			"
347	1-10	1005 1010	"	"				1.1	.6	4			"
348	2-7	1608 1615	"	"				0.49	.6	4			FC22
349	2-14	1247 1254	"	"				0.83	.6	4			FC48
350	2-21	1440 1445	"	2.0	1.60	0.33		0.53	.6	2			"
351	2-28	1023 1030	"	TWO CHANNELS				0.38	.6	4			"
352	3-5	1000 1007	"	"				0.66	.6	4			FC22
353	3-5	1535 1545	MOON-HYDE	"				0.39	.6	4			FC48
354	3-19	1320 1327	MOON	"				0.34	.6	4			FC22
355	3-25	0930 0936	"	"				0.70	.6	4			"
356	4-16	1140 1142	"	2.0	2.36	0.29		0.84	.6	4			"
357	4-17	0915 0920	"	TWO CHANNELS				0.68	.6	4			FC48
358	4-23	0900 0904	"	2.0	3.04	0.25		0.76	.6	2			"
359	5-1	1000 1015	"	TWO CHANNELS				0.58	.6	4			FC22
359X1	5-7	1335 1340	"	"				0.96	.6	4			"

NO.	DATE	MEAS. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT. PER SEC.	GAUGE HEIGHT FEET	DISCHARGE CFS.	RAT. HIB	METH. DS	MEAN HIB NO.	PER. CHANGE TOTAL	METER NO.
359X2	5-15	0900 0905	"	"				0.54	.6	4			FC48
360	5-22	0930 0937	MOON-BRUNGTON	"				0.54	.6	5			"
361	5-23	0900 0903	MOON	"				0.57	.6	2			FC22
362	5-27	0900 0915	"	"				0.68	.6	4			FC48
363	5-29	0905 0912	"	"				0.83	.6	4			"
364	6-5	0910 0914	"	2.0	3.60	0.72		0.43	.6	2			FC22
365	6-12	0910 0914	"	2.0	2.80	0.25		0.70	.6	2			FC48
366	6-19	0950 0958	"	TWO CHANNELS				0.60	.6	4			"
367	6-26	0745 0748	"	2.0	1.80	0.31		0.55	.6	2			"
368	7-3	0730 0734	"	2.0	2.96	0.24		0.72	.6	2			"
369	7-10	1110 1110	KASTMOFF	TWO CHANNELS				0.93	FLOATS	4			"
370	7-16	1355 1405	"	"				0.71	.6	10			"
371	7-24	0900 0904	MOON	2.0	1.30	0.47		0.61	.6	2			"
372	7-31	1230 1236	"	TWO CHANNELS				0.78	.5	4			"
373	8-7	0900 0905	"	2.0	2.80	0.25		0.70	.6	2			"
374	8-14	1015 1018	"	2.0	1.50	0.41		0.61	.6	2			"
375	8-21	1135 1140	DEMARS-MOON	TWO CHANNELS				0.68	.6	4			"
376	8-28	1025 1029	MOON	2.0	1.76	0.47		0.83	.6	2			"
377	9-11	0935 0942	"	TWO CHANNELS				0.65	.5	4			"
378	9-18	1115 1120	"	"				1.0	.6	4			FC29
379	9-25	0950 0955	"	"				0.88	.5	4			FC48
			SANTA ANITA CREEK below Sierra Madre Spreading Grounds										
1	12-30	1425 1433	MOON-MURPHY	5.0	2.5	3.20		7.9	.6	6			FC22
2	12-30	1723 1730	"	11.0	5.7	2.80		16.0	.6	7			"
3	12-31	1226 1233	"	5.0	3.7	2.43		9.0	.5	6			"
4	1-2	1110 1113	MOON	4.0	1.70	1.12		1.9	.6	5			"
5	1-3	1100 1105	"	4.0	2.17	1.75		3.8	.6	5			"
6	1-9	1130 1135	"	3.0	1.02	2.16		2.2	.6	5			"
7	1-12	1325 1335	STUNDEN	10.0	6.17	4.07		25.1	.6	9			FC36
8	1-12	1425 1440	"	8.5	5.98	3.70		22.1	.6	9			"
9	1-12	1224 1230	MOON-MURPHY	9.0	8.25	3.30		26.3	.6	6			FC22
10	1-15	0900 0907	MOON	8.0	6.40	1.14		7.3	.5	6			"
11	1-21	1055 1100	MOON-MURPHY	10.0	11.3	1.70		19.1	.6	6			"
12	1-23	1447 1457	MOON	10.0	8.16	1.30		10.6	.6	7			"
13	1-24	1420 1424	MOON-MURPHY	7.5	2.81	0.64		1.8	.6	5			"
14	2-4	1030 1040	MOON	6.9	3.76	0.72		2.7	.5	8			"
15	2-7	1539 1542	"	6.9	4.83	1.00		4.8	.6	6			"
16	2-21	1522 1533	"	6.9	4.96	1.07		5.3	.6	9			"
17	2-28	1055 1105	"	7.0	4.93	1.16		5.7	.6	10			"
18	3-4	0915 0920	"	7.2	4.98	1.35		5.5	.6	10			"
19	3-5	1600 1610	MOON-HYDE	7.2	4.73	1.03		4.9	.6	10			"
20	3-8	1500 1506	MOON-MURPHY	7.1	4.35	0.74		3.2	.6	10			"
21	3-11	1448 1500	MOON-HYDE	7.4	5.87	1.15		6.8	.6	10			"
22	3-13	1215 1225	MOON	7.2	5.56	1.06		5.9	.6	10			"
23	3-15	1100 1110	MOON-MURPHY	21.0	21.0	2.46		51.7	.6	11			"
24	3-15	1635 1749	"	24.0	36.2	4.06		147.	.6	10			"
25	3-16	0906 0922	"	22.0	32.7	3.91		128.	.6	12			"
26	3-17	1720 1730	MOON	10.0	13.6	5.95		80.9	.6	7			"
27	3-18	1520 1535	STUNDEN	21.0	21.4	2.66		57.3	.6	12			FC36
28	3-18	1630 1645	"	21.0	19.4	2.20		42.8	.6	13			"
29	3-19	0933 0942	MOON	10.0	10.6	4.03							

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. CD	MEAN REG. NO.	D. FT. CHANGE TOTAL	METER NO.
35	4-3	1226 1242	"	10.0	15.0	6.87		103.	.6	5			
36	4-3	1305 1315	"	10.0	15.0	8.20		123.	.6	7			
37	4-3	1510 1520	"	10.0	9.64	3.70		35.7	.6	5			
38	4-3	1540 1550	"	10.0	13.1	4.52		59.3	.6	7			
39	4-4	0930 0945	STUNDEN	20.0	5.46	4.76		25.9	.5	16	FC36		
40	4-4	0935 0947	MOON	23.0	43.2	6.18		267.	.6	8	FC22		
41	4-4	1600 1610	"	10.0	7.60	3.16		24.0	.6	7			
42	4-7	1540 1545	"	15.0	4.85	5.52		26.3	.6	5			
43	4-8	0030 0100	STUNDEN	42.0	13.7	7.37		101.	.5	13	FC36		
44	4-14	1050 1050	MOON	10.0	3.84	2.44		9.3	.6	7	FC22		
45	4-14	1550 1600	"	10.0	3.20	3.25		10.4	.6	7			
46	4-15	1335 1350	"	24.0	19.8	9.10		180.	.6	9			
47	4-16	1205 1215	"	8.0	4.65	3.16		14.7	.6	7			
48	4-17	1820 1830	"	6.0	2.16	1.53		3.3	.6	8			
49	4-17	0625 0630	"	5.8	1.67	1.56		2.6	.6	8			
50	4-23	0820 0830	"	5.0	1.75	1.74		3.0	.6	7			
51	5-1	1020 1030	"	11.0	2.68	1.87		5.0	.6	7			
52	5-21	1340 1350	"	10.0	3.39	2.39		8.1	.6	7			
53	5-23	0830 0830	"	10.0	2.58	2.71		7.0	.6	7			
54	5-27	0840 0840	"	CHANNELS				3.6	.6	11			
55	5-29	0945 0956	"	4.0	1.63	1.78		2.9	.6	9			
56	6-5	0822 0832	"	4.0	1.53	1.57		2.4	.6	8			

DISCHARGE MEASUREMENTS OF RIO HONDO DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. CD	MEAN REG. NO.	D. FT. CHANGE TOTAL	METER NO.
SANTA ANITA CREEK below Santa Anita Dam													
462	11-29	1110 1125	MOON	10.5	6.70	2.72		18.2	.6	12	FC29		
463	11-30	1710 1724	"	14.0	10.6	3.68		39.0	.6	9			
464	12-2	1452	"	11.2	7.98	2.63		21.0	.6	13			
465	12-3	1630 1645	"	12.4	8.06	2.38		19.2	.6	12			
466	1-7	1415 1428	MOON-MURPHY	11.5	7.74	2.45		19.0	.6	14			
467	1-15	1350 1407	MOON	11.4	7.74	2.32		17.9	.6	14			
SANTA ANITA CREEK Three Cities Farms Diversion at Weir Box													
380	10-2	1130 1138	MOON	CHANNELS				0.89	.5	4	FC48		
381	10-17	0910 0910	"	"				0.59	.5	4	FC29		
382	10-24	1158	"	"				1.15	.6	4			
383	10-29	1319	"	"				0.52	.5	4	FC48		
384	11-6	1310 1315	"	"				0.69	.5	4	FC29		
385	11-13	1240 1245	"	"				0.42	.5	4			
386	11-19	1302	"	"				0.40	.5	4			
387	11-26	1105 1110	"	"				0.54	.5	4			
388	12-11	1110 1112	"	2.0	0.20	0.50		0.10	.5	2	FC48		
389	12-18	1135	"	CHANNELS				0.36	.5	4	FC29		
390	12-23	1300 1305	"	"				0.29	.6	4	FC48		
391	12-30	1235 1215	"	"				0.28	.5	4			
392	1-14	1230 1235	"	"				0.52	.5	4	FC29		
393	1-21	1065 1065	"	"				0.36	.5	4			
394	1-28	1320 1320	"	"				0.46	.5	4			
395	2-4	1205 1210	"	"				0.55	.5	4			
396	2-11	0940 0947	"	"				0.30	.5	4	FC48		
397	2-18	0825 0825	"	"				0.82	.5	4			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. CD	MEAN REG. NO.	D. FT. CHANGE TOTAL	METER NO.
398	2-25	0830 0825	"	"				0.33	.5	4			
399	3-11	1330	"	"				0.50	.5	4	FC29		
400	3-18	1135 1140	"	"				0.38	.5	4			
401	3-25	1555 1600	"	"				0.57	.5	4			
402	4-1	1300 1304	"	2.0	0.60	0.92		0.55	.5	2			
403	4-8	1255 1300	"	CHANNELS				0.39	.5	4			
404	4-16	0945 0945	"	2.0	1.60	0.51		0.81	.6	2			
405	4-23	1085 1040	"	CHANNELS				0.79	.6	4	FC48		
406	4-29	1055 1100	"	"				0.40	.5	4			
407	5-7	1120	"	"				0.75	.5	4			
408	5-13	1300 1305	"	"				0.73	.6	4			
409	5-20	1400 1405	WADDICOR	"				0.65	.6	6			
410	5-28	1245 1250	MOON	"				0.20	.5	4			
411	6-3	1400 1405	"	"				0.58	.5	4			
412	6-25	0928 0934	MOON-LINDSAY	"				0.86	.6	4			
413	7-1	1450 1457	MOON	"				0.83	.6	4			
414	7-9	1210 1217	MOON-GODFREY	2.0	1.50	0.47		0.71	.6	3			
415	7-16	1000 1004	MOON	2.0	1.20	0.56		0.67	.6	3			
416	7-23	1204 1208	"	2.0	1.24	0.52		0.64	.6	3			
417	7-30	1245 1250	GODFREY	2.0	0.91	0.63		0.57	.6	2			
418	8-6	1045 1050	MOON	CHANNELS				0.51	.5	4			
419	8-13	0945 0950	"	"				0.56	.5	4			
420	8-20	1005 1010	"	"				0.36	.5	4			
421	8-27	1020 1026	"	"				0.46	.5	4			
422	9-3	1048 1048	"	2.0	0.50	0.90		0.45	.5	2			
423	9-10	0980 0936	"	CHANNELS				0.34	.5	4			
424	9-17	1600 1605	"	"				0.33	.5	4			
425	9-24	1600 1605	"	2.0	1.00	0.60		0.60	.6	2	FC29		
SANTA ANITA CREEK below Sierra Madre Spreading Ground Headworks													
57	12-1	1432 1442	MOON	10.0	2.43	1.44	3.03	3.5	.6	7	0	FC29	
58	12-1	1540 1558	"	15.0	6.20	2.60	3.35	16.1	.5	6	9	0	
59	12-3	1504 1516	"	6.0	1.90	2.68		5.1	.6	7			
60	12-4	0955 1005	"	6.0	2.08	1.97	3.00	4.1	.5	8	0		
61	1-8	1135 1145	MOON-MURPHY	6.5	1.98	1.57	2.45	3.1	.6	9	0		
62	1-15	1620 1630	MOON	6.5	1.82	1.37	1.26	2.5	.5	8	0		

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT NEAR Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INR	METH. CD	MEAN REG. NO.	D. FT. CHANGE TOTAL	METER NO.
SAN GABRIEL RIVER - WEST FORK above Bear Creek													
56	10-8	1220 1248	MIDDLETON	7.2	3.60	2.33		8.4	.6	13			FC26
57	10-11	1257 1305	"	1.4	0.34	0.62		0.21	.6	7			
58	10-15	1248 1250	"	0.8	0.10	0.80		0.08	.5	3			
59	10-18	1224 1228	"	0.8	0.06	0.67		0.04		3			
60	10-25	1330	"	7.6	2.71	1.37		3.7	.6	9			
61	10-29	1400 1408	"	2.0	0.54	0.70		0.38	.6	7			
62	11-8	1050 1108	"	7.1	2.67	1.42		3.8	.6	14			
63	11-15	1416 1440	"	CHANNELS				7.7	.6	18			
64	1-30	1350 1414	"	40.0	65.2	1.72		112.	.6	15			
65	4-7	1350 1350	WINDER-MIDDLETON	24.8	23.5	1.35		31.8	.6	14			FC18
66	4-14	1308 1350	HYDE-MIDDLETON	27.5	22.2	1.42		31.5	.6	14			
67	4-21	1315 1338	WINDER-MIDDLETON	25.5	26.0	1.63		47.7	.6	15			

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	SHAPE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS	METH. DO	HEAR. REG. NO.	EL. HT. CHANGE TOTAL	METER NO.
			SAN DIMAS CREEK - OLD WATER TUNNEL			below	San Dimas Dam						
7	10-4	0930 1440	STUNDEN	0.5	0.02	1.00		0.02	FLOATS	1			
8	10-25	1440 1233	"	0.6	0.02	1.00		0.02		5	5	FC50	
9	4-10	1233 0845	"	0.6	0.11	0.54		0.06	FLOATS	2			
10	5-9	0845 1135	"	0.55	0.12	0.92		0.11		5	4	FC50	
11	6-26	1135 1140	"	2.0	0.24	0.71		0.19		5	6		
			SAN DIMAS WASH			below Puddingstone Diversion Dam							
1	4-15	1330 0935	STUNDEN	7.5	2.90	2.59		7.5		6	10	FC36	
2	5-8	0935 0840	"	8.5	3.11	2.38		7.4		5	11		
3	5-14	0840 1035	"	7.5	2.61	2.45		6.4		5	10		
4	5-23	1035 0845	"	5.1	1.94	1.13		2.2		5	12	FC50	
5	6-5	0840 1715	"	5.0	1.71	1.17		2.0		5	11		
6	6-13	1715 1830	"	5.5	2.74	2.08		5.7		5	12	FC36	
7	6-18	1830 0900	"	5.5	2.46	1.38		3.4		5	11		
8	6-25	0900 1810	"	4.5	2.59	2.32		6.0		5	7		
9	7-2	1810 0930	"	4.5	2.05	1.85		3.8		5	7		
10	7-10	0930 0945	"	4.5	2.13	1.46		3.1		5	10	FC50	
11	7-16	0945 1405	"	4.7	1.63	1.61		2.9		5	7	FC36	
12	7-23	1405 1545	"	5.0	2.26	1.90		4.3		5	8		
13	8-1	1545 0800	"	6.0	2.22	1.85		4.1		5	8	FC50	
14	8-7	0800 1540	"	4.0	1.96	2.04		4.0		6	7	FC36	
15	8-13	1540 1510	"	7.0	2.33	2.15		5.0		5	9		
16	8-20	1510 1700	"	4.0	2.35	2.00		4.7		5	7		
17	8-28	1700 1430	WHISLER-STUNDEN	7.6	2.72	1.21		3.3		5	13		
18	9-11	1430 1515	WHISLER	9.0	2.89	0.86		2.5		5	11		
19	9-18	1515 1450	"	4.3	0.94	0.88		0.83		5	8	FC50	
20	9-24	1450 1500	"	7.3	1.63	1.23		2.0		5	15	FC50	
			PUDDINGSTONE DIVERSION CHANNEL			at Outlet							
43	10-4	1117 0835	STUNDEN	0.8	0.10	1.00		0.10		5	5	FC50	
44	10-11	0835 1015	"	1.7	0.22	1.13		0.25		5	6		
45	10-25	1015 0910	"	2.0	0.28	1.68		0.47		5	7		
46	11-7	0910 0526	"	2.0	0.53	0.81		0.43		5	7		
47	4-22	0526 0523	STUNDEN-KASIMOFF	19.0	12.2	2.83		34.8		5	19	FC36	
48	4-22	0523 0525	"	19.0	14.6	3.09		45.2		5	20		
49	4-22	0525 0755	"	19.0	15.7	3.19		50.2		5	19		
50	4-22	0755 0915	"	17.0	10.1	2.30		23.1		5	17		
51	4-22	0915 1110	"	18.0	14.0	3.27		45.8		5	18		
52	4-22	1110 0515	"	16.0	9.75	2.54		24.8		5	17		
53	4-23	0515 0530	STUNDEN	13.0	5.46	1.72		9.4		5	13		
			LIVE OAK CREEK			below Live Oak Dam							
105	1-14	1240 1630	STUNDEN	5.5	2.38	1.95		4.6		5	8	FC36	
106	1-17	1630 1130	"	6.0	4.50	2.56		11.5		6	7		
107	1-19	1130 1330	"	12.0	6.21	1.46		9.0		5	12		
108	1-21	1330 1445	"	11.0	4.60	0.92		4.2		5	12		
109	1-22	1445 0900	"	5.0	1.46	1.36		2.0		5	6		
110	2-5	0900 1325	STUNDEN-WHISLER	1.5	0.87	1.49		1.3		5	5		
111	3-8	1325 1300	STUNDEN-STEWART	12.0	4.33	1.35		5.8		6	8		
112	3-9	1300 1320	POLLARD-STUNDEN	7.8	4.29	1.14		4.9		6	9		

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	SHAPE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS	METH. DO	HEAR. REG. NO.	EL. HT. CHANGE TOTAL	METER NO.
113	3-12	1445 1255	STUNDEN	5.0	1.60	2.19		3.5		5	8		
114	3-16	1255 1300	TREAT-STEWART	8.0	3.70	2.24		6.3		6	8	FC28	
115	3-17	1315 1325	STUNDEN	12.0	6.40	1.61		10.3		6	9	FC36	
116	3-20	1400 1410	STUNDEN-HYDE	9.0	3.94	2.07		8.2		6	11		
117	3-20	1430 1440	STUNDEN	7.5	4.05	1.31		5.3		6	7		
118	3-20	1525 1535	"	12.0	6.40	1.53		9.8		6	11		
119	3-20	1545 1550	"	2.0	1.33	1.88		2.5		6	5		
120	4-3	1200 1210	"	2.0	0.61	1.85		1.1		6	5		
121	4-10	1340 1345	"	1.5	0.63	1.30		0.80		6	4		
122	4-16	1510 1510	"	2.0	0.40	1.17		0.47		5	5		
			SAN GABRIEL RIVER			at Carson Avenue							
4	12-30	1018 1044	BONADIMAN-LANG	CHANNELS				155.		6	16	FC19	
5	1-20	1050 1110	BONADIMAN	198.	142.	2.65		376.		6	12		
6	1-21	1300 1316	"	198.	158.	1.99		314.		6	12		
7	1-22	1020 1034	"	154.	68.0	1.59		78.8		6	11		
8	1-24	1146 1156	"	70.0	25.3	1.12		28.2		6	7		

DISCHARGE MEASUREMENTS OF SAN GABRIEL - WEST FORK

Flume at Toe of Cogswell Dam DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BEGIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	SHAPE HEIGHT FEET	DISCHARGE REG. FT.	RAT. INS	METH. DO	HEAR. REG. NO.	EL. HT. CHANGE TOTAL	METER NO.
10-2	1000 1014	MIDDLETON	5.4	3.51	3.59	0.78	12.6		6	13	0	FC26	
10-6	1042 1058	"	5.4	3.51	3.62	0.78	12.7		6	13	0		
10-9	1057 1063	"	5.4	3.45	3.57	0.77	12.3		6	13	0		
10-14	1083 1083	"	5.4	3.60	3.69	0.80	13.3		6	13	0		
10-16	1117 1133	"	5.4	3.60	3.67	0.80	13.2		6	13	0		
10-20	1252 1308	"	5.4	3.51	3.42	0.78	12.0		6	13	0		
10-23	1348 1404	"	5.4	3.44	3.43	0.77	11.8		6	13	0		
10-27	1255 1310	"	5.4	2.52	2.74	0.60	6.9		6	13	0		
10-30	1323 1323	"	5.4	2.52	2.78	0.60	7.0		6	13	0		
11-3	1305 1323	"	5.4	2.52	2.78	0.60	7.0		6	13	0		
11-6	1050 1105	"	5.4	2.52	2.70	0.60	6.8		6	13	0		
11-10	1316 1316	"	5.4	2.52	2.74	0.60	6.9		6	13	0		
11-13	1324 1340	"	5.4	2.52	2.82	0.60	7.1		6	13	0		
11-17	1110 1126	WINDER-DEVORE	5.4	2.52	2.82	0.60	7.1		6	13	0	FC32	
11-20	1322 1336	DEVORE	5.4	2.52	2.86	0.60	7.2		6	13	0		
11-24	1040 1100	WINDER	5.4	2.52	2.86	0.60	7.2		6	13	0		
11-28	1080 1080	"	5.4	2.52	2.82	0.60	7.1		6	13	0		
12-1	1082 1104	WINDER-DEVORE	5.4	2.52	2.90	0.60	7.3		6	13	0		
12-4	1057 1109	DEVORE	5.4	2.58	2.91	0.61	7.5		6	13	0		
12-8	1142 1157	WINDER	5.4	2.60	2.96	0.61	7.7		6	13	0		
12-11	1047 1435	DEVORE	5.4	2.60	2.92	0.61	7.6		6	13	0		
12-15	1435 1450	WINDER	5.4	2.60	2.88	0.61	7.5		6	13	0		
12-18	1045 1100	"	5.4	2.60	2.88	0.61	7.5		6	13	0		
12-22	1108 1120	MIDDLETON	5.4	2.10	2.29	0.52	4.8		6	13	0	FC26	
12-26	1244 1300	"	5.4	1.98	2.12	0.50	4.2		6	13	0		
12-29	1308 1317	"	5.4	1.88	2.13	0.48	4.0		6	13	0		
1-2	1130 1144	"	5.4	1.88	2.15	0.48	4.0		6	13	0		
1-5	1124 1150	"	5.4	1.88	2.12	0.48	4.0		6	13	0		
1-8	1128 1120	"	5.4	1.88	2.09	0.48	3.9		6	13	0		
1-12	1150 1150	"					2.3					V-NOTCH WEIR	

DISCHARGE MEASUREMENTS OF SAN GABRIEL RIVER DRAINAGE AREA

AT MEAN Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1953

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	MECH- ISM	HEAD FEET	S. INT. CHARGE TOTAL	METER NO.
SAN GABRIEL RIVER-WEST FORK above Bear Creek													
76	10-9	1250 1310	MIDDLETON	19.0	12.7	1.28		16.3		.6	12	FC26	
77	2-19	1306 1320	"	17.0	8.40	0.93		7.8		.6	10	"	
78	3-23	0915 0930	"	14.5	8.26	1.02		8.4		.6	10	"	
79	5-14	0930 1440	"	14.6	9.75	1.23		12.0		.8	15	"	
80	8-1	1500	THOMAS-MIDDLETON	16.3	10.7	1.10		11.8		.6	13	"	
81	6-25	1040	MIDDLETON	16.0	5.12	0.70		3.6		.6	12	"	
82	7-9	1235 1255	HASKELL-MIDDLETON	10.5	3.31	0.57		1.9		.6	11	"	
83	7-23	1125	MIDDLETON	3.8	1.07	0.94		1.0		.6	8	"	
84	8-6	1245 1255	STUNDEN	2.0	0.60	1.48		0.89		.5	5	FC36	
85	8-20	1139	DE VORE-STUNDEN	2.0	0.51	0.40		0.22		FLOATS	5		
86	9-3	1309 1315	DE VORE	1.8	0.98	0.61		0.60		.6	5	FC26	
87	9-10	1115 1123	GODFREY	1.1	0.23	0.61		0.14		.6	4	"	
88	9-21	1009 1007	GODFREY-MIDDLETON	1.5	0.36	0.67		0.24		.6	5	"	
BEAR CREEK above Junction with San Gabriel River													
66	10-9	1325 1342	MIDDLETON	10.8	5.01	0.88		4.4		.6	12	FC26	
67	2-19	1336 1350	"	17.0	8.41	0.86		7.2		.6	10	"	
68	3-23	0868 0868	"	16.5	8.09	0.85		6.9		.6	12	"	
69	5-14	1000 1018	"	11.0	5.41	0.94		5.1		.6	11	"	
70	6-25	1110	"	2.6	1.69	1.48		2.5		.6	7	"	
71	7-23	1148	"	4.0	1.53	0.53		0.81		.6	7	"	
72	8-6	1300 1310	STUNDEN	2.5	1.43	0.42		0.60		.5	6	FC36	
73	8-20	1125	DE VORE-STUNDEN	1.9	0.55	0.58		0.32		.5	5	"	
74	9-3	1157	DE VORE	3.4	0.99	0.31		0.31		.5	7	FC26	
75	9-10	1054 1100	GODFREY	1.2	0.34	0.50		0.17		.6	6	"	
76	9-21	1018 1022	GODFREY-MIDDLETON	1.2	0.41	0.56		0.23		.6	4	"	
SAN GABRIEL RIVER-NORTH FORK above Junction with West Fork													
1	10-31	1000 1020	STUNDEN	44.0	55.1	1.64		90.4		.6	15	FC36	
2	10-31	1430 1450	"	46.0	64.2	1.69		109.		.5	16	"	
3	11-1	0815 0830	WADDICOR-WHISLER	44.0	41.6	3.17		132.		.6	14	FC37	
LITTLE DALTON WASH and Spreading Area													
81	5-14	1030 1048	"	5.4	3.44	1.48		5.1		.6	11	"	
82	6-1	1510 1530	THOMAS-MIDDLETON	5.6	4.03	1.27		5.1		.6	11	"	
83	6-25	1144 1200	MIDDLETON	8.8	6.81	0.51		3.5		.6	10	"	
84	7-9	1315 1335	HASKELL-MIDDLETON	5.0	2.49	1.05		2.7		.6	10	"	
85	7-23	1225	MIDDLETON	4.9	2.15	1.26		2.7		.6	10	"	
86	8-6	1320 1330	STUNDEN	3.5	2.94	0.82		2.4		.5	8	FC36	
87	8-20	1045 1055	DE VORE-STUNDEN	3.8	2.89	0.80		2.3		.6	9	"	
88	9-3	1121 1135	DE VORE	4.6	4.02	0.65		2.6		.6	9	FC26	
89	9-10	1000 1020	GODFREY	4.5	3.62	0.55		2.0		.6	11	"	
90	9-21	1127	GODFREY-MIDDLETON	5.0	2.41	0.87		2.1		.6	11	"	
BIG DALTON above F.C. Dam (Inflow)													
21	12-4	0925	WHISLER					0.12		0.01	90°	V-NOTCH WEIR	
22	12-4	0940 0948	"					COMPOSITE		0.09	.5	7	FC50
23	1-7	0850 0855	STUNDEN	2.5	0.93	0.77		0.72		.5	6	"	
24	1-7	0900	"					0.32		0.15	90°	V-NOTCH WEIR	
25	2-11	1040 1045	"	1.7	0.41	0.44		0.18		.5	5	FC50	
26	2-11	1050	"					0.23		0.07	90°	V-NOTCH WEIR	
27	3-5	1330 1335	"	1.5	0.28			0.40		0.11	.5	5	FC50
28	3-5	1345	"					0.21		0.05	90°	V-NOTCH WEIR	
29	4-9	1305 1310	"	1.8	0.42	0.36		0.15		.5	5	FC50	
30	5-14	1605	"					0.18		0.04	90°	V-NOTCH WEIR	
31	5-14	1615 1620	"	1.00	0.09	0.89		0.08		FLOATS	4		
32	6-11	1510 1515	"	1.0	0.05	0.80		0.04		FLOATS	5		
12	3-23	1328 1340	MIDDLETON	9.1	4.08	1.35		5.5		.6	9	FC26	
13	5-21	1400 1412	"	9.5	3.42	1.05		3.6		.6	9	"	
14	6-1	1000 1022	THOMAS-MIDDLETON	9.6	4.00	1.00		4.0		.6	10	"	

NO.	DATE	BSIN END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT/SEC	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT- ING	MECH- ISM	HEAD FEET	S. INT. CHARGE TOTAL	METER NO.
15	7-2	1350 1360	MIDDLETON	8.5	2.83	0.60		1.7		.6	9	"	
16	7-18	1400 1412	"	6.9	2.23	0.63		1.4		.6	10	"	
17	8-27	1047 1054	DE VORE	8.5	2.63	0.46		1.2		.6	8	"	
18	9-8	1426 1440	GODFREY	8.0	1.97	0.35		0.69		.6	12	"	
19	9-21	1348 1358	"	1.7	1.02	0.62		0.63		.6	6	"	
SAN GABRIEL RIVER below San Gabriel Dam													
202	9-28	1100 1126	DE VORE-MIDDLETON	CHANNELS				44.1		.6	20	FC26	
203	9-28	1241 1315	"	38.1	22.5	4.25		95.6		.6	22	"	
204	9-29	0911 0936	"	35.6	35.0	2.63		92.0		.6	19	"	
205	9-29	1500 1502	"	35.4	35.3	2.60		91.8		.6	19	"	
206	9-30	0911 0935	"	35.0	32.7	2.44		79.9		.6	19	"	
SAN GABRIEL RIVER-Azusa Conduit													
1	9-30	1248 1258	DE VORE-MIDDLETON	4.5	0.54	0.67	0.04	0.36		.6	10	0	FC50
2	9-30	1430 1446	"	4.5	0.36	0.64		0.23		.6	10	"	
3	9-30	1530	"	4.5	0.58	0.47		0.27		.6	10	"	
SAN GABRIEL RIVER below Metropolitan Aqueduct													
56	9-22	1155 1155	MOON-CHAPMAN	18.3	21.4	1.02	0.82	21.8		.6	15	FC29	
57	9-24	1040 1115	"	18.2	21.4	1.09	0.82	23.3		.6	21	0	"
58	9-28	1040 1110	MOON	18.5	22.0	1.11	0.82	24.5		.6	21	0	"
SAN GABRIEL RIVER below Rogers Canyon													
13	10-9	0940 1025	MOON-WHISLER	69.0	64.	1.40		229.		.6	19	FC29	
14	10-14	1240 1310	"	70.0	165.	1.45		236.		.6	17	"	
SAN GABRIEL RIVER at Lower Azusa Road													
1	10-31	1000 1020	STUNDEN	44.0	55.1	1.64		90.4		.6	15	FC36	
2	10-31	1430 1450	"	46.0	64.2	1.69		109.		.5	16	"	
3	11-1	0815 0830	WADDICOR-WHISLER	44.0	41.6	3.17		132.		.6	14	FC37	
LITTLE DALTON WASH and Spreading Area													
1	3-5	1450 1455	STUNDEN	1.7	1.52	0.63		0.97		.5	5	FC50	
2	3-5	1510 1520	"	3.5	1.49	1.34		2.0		.5	7	"	
BIG DALTON above F.C. Dam (Inflow)													
21	12-4	0925	WHISLER					0.12		0.01	90°	V-NOTCH WEIR	
22	12-4	0940 0948	"					COMPOSITE		0.09	.5	7	FC50
23	1-7	0850 0855	STUNDEN	2.5	0.93	0.77		0.72		.5	6	"	
24	1-7	0900	"					0.32		0.15	90°	V-NOTCH WEIR	
25	2-11	1040 1045	"	1.7	0.41	0.44		0.18		.5	5	FC50	
26	2-11	1050	"					0.23		0.07	90°	V-NOTCH WEIR	
27	3-5	1330 1335	"	1.5	0.28			0.40		0.11	.5	5	FC50
28	3-5	1345	"					0.21		0.05	90°	V-NOTCH WEIR	
29	4-9	1305 1310	"	1.8	0.42	0.36		0.15		.5	5	FC50	
30	5-14	1605	"					0.18		0.04	90°	V-NOTCH WEIR	
31	5-14	1615 1620	"	1.00	0.09	0.89		0.08		FLOATS	4		
32	6-11	1510 1515	"	1.0	0.05	0.80		0.04		FLOATS	5		

NO.	DATE	REG. NO. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. NO.	MEAN REG. NO.	D. BY CHANGE TOTAL	METER NO.
BIG DALTON CREEK below Azusa Canal													
4	10-6	0800 0815	STUNDEN					9.8		.6	15		FC36
5	2-5	0930 0930	"	6.0	2.53	1.70		4.3		.5	9		FC50
6	3-5	1430 1440	"	2.8	0.81	0.52		0.47		.5	6		"
SAN DIMAS CREEK above San Dimas Dam (Inflow)													
80	11-6	0880 0880	STUNDEN	3.3	1.02	1.88		1.9		.5	6		FC36
81	11-6	1345 1345	"	1.4	0.23	0.78		0.18		.5	7		FC50
82	12-4	1240 1240	WHISLER	6.2	2.57	0.74		1.9		.5	8		FC5
83	1-8	1400 1400	STUNDEN	5.0	3.38	1.36		4.6		.6	7		FC36
84	2-5	1235 1235	"	3.5	1.50	0.87		1.3		.6	8		FC50
85	3-5	1025 1025	"	3.3	1.50	1.13		1.7		.5	7		"
86	4-9	1030 1030	"	2.5	1.03	1.65		1.7		.5	7		"
87	5-14	1180 1180	"	2.7	0.95	1.37		1.3		.5	7		"
88	6-11	1240 1240	"	1.0	0.09	0.89		0.08	FLOATS		5		
89	6-17	1110 1110	"	2.0	0.71	0.89		0.63		.5	5		FC50
90	7-2	1410 1410	"	1.0	0.08	0.50		0.04		.5	5		"
SAN DIMAS CREEK-OLD WATER TUNNEL below San Dimas Dam													
12	1-29	1450 1450	STUNDEN	1.2	0.07	0.43		0.03		.5	5		FC50
13	2-19	1335 1335	"	1.3	0.15	0.60		0.09		.5	5		"
14	5-21	1145 1145	"	1.2	0.18	0.44		0.08		.5	5		"
15	6-25	1230 1230	"	1.0	0.10	0.80		0.08	FLOATS		5		
16	7-10	1145 1152	MOON	1.5	0.09	0.44		0.04		.5	6		FC48
SAN DIMAS WASH below Puddingstone Diversion Dam													
21	10-6	0845 0845	STUNDEN	4.0	1.22	1.57		1.9		.5	6		FC36
22	1-15	1500 1510	"	3.5	1.11	1.17		1.3		.5	6		"
23	1-29	0825 0835	"	3.5	1.33	1.65		2.2		.5	8		FC50
24	2-26	1890 1890	"	3.0	1.20	1.50		1.8		.5	7		"
25	3-18	0800 0800	"	3.5	0.97	1.13		1.1		.5	7		"
PUDDINGSTONE DIVERSION CHANNEL at Outlet													
54	6-24	1000 1010	STUNDEN	4.5	1.94	2.16		4.2		.5	9		FC50
55	6-24	1030 1030	"	6.1	4.30	1.16		5.0		.5	9		"
WALNUT CREEK above Junction with San Gabriel River													
3	1-15	1545 1530	STUNDEN	5.0	1.68	1.79		3.0		.5	7		FC36
4	2-5	0850 0850	"	4.2	1.16	1.90		2.2		.5	8		FC50
SAN GABRIEL RIVER at Pellissier Road													
	10-31	1040 1050	WADDICOR-BONAD IMAN	9.0	8.00	2.32		18.6		.6	10		FC37
	11-7	1215 1230	DE MARS	40.0	47.4	3.42		162.		.6	12		FC34

DISCHARGE MEASUREMENTS OF SAN ANTONIO CANYON DRAINAGE AREA

AT Miscellaneous Points DURING THE YEAR ENDING SEPTEMBER 30, 1952

NO.	DATE	REG. NO. END	MADE BY	WIDTH FEET	AREA OF SECTION SQ. FT.	MEAN VELOCITY FT-PER-SEC.	GAUGE HEIGHT FEET	DISCHARGE SEC. FT.	RAT. ING	METH. NO.	MEAN REG. NO.	D. BY CHANGE TOTAL	METER NO.
SAN ANTONIO CREEK at Baseline Road													
12	5-29	0845 0855	STUNDEN	3.0	0.90	1.11		1.0		.5	9		FC50
13	6-4	1210 1215	"	3.2	0.76	1.31		1.0		.5	8		"

TABLE XII

PERCOLATION LOSSES ON SANTA CLARA RIVER BASED ON METER MEASUREMENTS				
1951 - 52				
DATE	STATION F93-R NEAR MOUTH OF SOLEDAD CANYON	FLOW AT MINT CANYON HIGHWAY BRIDGE SOLAMINT	LOSS C.F.S.	REMARKS
4-8	48.4	0	48.4	

PERCOLATION LOSSES ON LITTLE ROCK CREEK BASED ON METER MEASUREMENTS						
1951 - 52						
DATE	FLOW @ HIGHWAY 138	FLOW @ AVENUE T	LOSS C.F.S.	2005 FEET BELOW AVENUE Q-8	LOSS C.F.S.	REMARKS
4-15	68.3	58.9	9.4	0	58.9	

PERCOLATION LOSSES ON BIG ROCK CREEK BASED ON METER MEASUREMENTS							
1951 - 52							
DATE	BELOW MOUTH OF CANYON	FLOW @ HIGHWAY 138	LOSS C.F.S.	FLOW @ AVENUE S	LOSS C.F.S.	2325 FEET BELOW AVENUE S	LOSS C.F.S.
4-14	57.82	42.84	14.98	10.30	32.54	0	10.3

PERCOLATION LOSSES ON BIG TUJUNGA WASH BASED ON METER MEASUREMENTS										
1952 - 53										
DATE	ABOVE GOLD CANYON STATION F213-R	BELOW MOUTH OF CANYON	LOSS C.F.S.	L.A.W.D. DIVERSION (-)	500 FEET ABOVE ORO VISTA STREET	GAIN C.F.S.	300 FEET ABOVE FOOTHILL BOULEVARD	LOSS C.F.S.	INFLOW TO HANSEN RESERVOIR	LOSS C.F.S.
2-3	42.4'	38.5	3.9	2.8	37.1	1.4	32.7	4.4	30.0	2.7

PERCOLATION LOSSES ON SANTA ANITA CREEK
BASED ON METER MEASUREMENTS

1951 - 52

DATE	SANTA ANITA DAM OUTFLOW	3 CITIES FARMS DIVERSION (-)	SIERRA MADRE SPREADING GOUNDS DIVERSION (-)	SIERRA MADRE WASH (+)	FLOW @ FOOTHILL BOULEVARD	LOSS C.F.S.	FLOW @ DUARTE ROAD	LOSS C.F.S.	FLOW @ LONGDEN AVENUE	LOSS C.F.S.	FLOW @ ARROW HIGHWAY	LOSS C.F.S.	REMARKS
3-19	42.0	0.3		1.5	39.8	3.4					4.5	35.3	
4-1	77.0	0.1		0	55.8	21.1	27.2	28.6	0	27.2			
4-2	69.5	0.7	9.0	0	54.8	5.0	26.2	28.6			9.0	17.2	

PERCOLATION LOSSES ON SAN GABRIEL RIVER
BASED ON METER MEASUREMENTS

1951 - 52

DATE	SANTA FE DAM	LOWER AZUSA ROAD	LOSS C.F.S.	GARVEY AVENUE	LOSS C.F.S.	VALLEY BOULEVARD	LOSS C.F.S.	SAN JOSE CREEK INFLOW	RISING WATER (+)	BEVERLY BOULEVARD	LOSS C.F.S.	WHITTIER BOULEVARD	LOSS C.F.S.	SPREADING GOUNDS MAIN CANAL	BELOW SPREADING GOUNDS	LOSS IN REACH	REMARKS
1-26	408.	245.	163.	215.	30.	207.	8.0	8.3	16.0	205.	26.3	184.	21.				
1-29	395.	244.	151.	207.	37.			6.6	18.0	192.	37.6	192.	0				
2-6	378.	209.	169.	194.	15.			8.3	18.0	187.	53.3			115.	41.	11.0	DIVERTED INTO SPREADING GOUNDS
3-21		260.		250.	10.			9.7	30.0	256.	33.7			113.	103.	40.0	
4-1		232.		231.	1.0				30.0	260.	1.0			96.	120.	42.0	
1952 - 53																	
11-4	370.	236.	134.	201.	35.			0	10.	177.	34.			121.	0	56.0	
11-10				219.					10.	184.	45.			139.	20.	25.0	

1951 - 52

DATE	WASHINGTON BOULEVARD	LOS NIETOS ROAD	LOSS C.F.S.	ANAHEIM TELEGRAPH ROAD	LOSS C.F.S.	FLORENCE AVENUE	LOSS C.F.S.	FIRESTONE BOULEVARD	LOSS C.F.S.	ROSECRANS BLVD.	LOSS C.F.S.	ARTESIA BLVD.	LOSS C.F.S.	DEL AMO STREET	LOSS C.F.S.	SPRING STREET	LOSS C.F.S.	300' ABOVE COYOTE CREEK	LOSS C.F.S.	REMARKS
1-26	116.			41.5	74.5															
1-26				77.1		52.5	24.6	37.5	15.0	41.8	+4.3	33.2	-8.6	37.2	+4.0	36.0	-1.2	37.1	+1.1	
3-24						72.2				66.5	-5.7	62.7	-3.8	56.6	-6.1	50.3	-6.3	53.7	+3.4	
4-1	120.					26.8	93.2					20.6	-6.2	23.9	+3.3	24.0	+0.1			
1952 - 53																				
11-10	49.	0	49.																	END OF FLOW AT P.E. TRACKS, LOS NIETOS.

PERCOLATION LOSSES ON BIG DALTON CREEK
BASED ON METER MEASUREMENTS

1951 - 52

DATE	BELOW BIG DALTON DAM	U.S.G.S. STATION	GAIN C.F.S.	SIERRA MADRE AVENUE	LOSS C.F.S.	FLOW @ FOOTHILL BOULEVARD	LOSS C.F.S.	FLOW @ HIGHWAY 66	LOSS C.F.S.	FLOW @ MAUNALOA AVENUE	LOSS C.F.S.	FLOW @ GLENDORA AVENUE	LOSS C.F.S.	FLOW @ BEN LOMOND	LOSS C.F.S.	FLOW @ AZUSA AVENUE	LOSS C.F.S.	LITTLE DALTON WASH INFLOW	BELOW LITTLE DALTON WASH	LOSS C.F.S.	REMARKS
3-21	20.0	25.6	+5.6	14.8	10.8			11.3	3.5			10.1	1.2	7.3	2.8	2.4	4.9	+0.18	0.29	2.29	END OF PERC. 3900' BELOW CONFLUENCE WITH LITTLE DALTON WASH.
6-8		5.4		3.2	2.2	2.2	1.0	0.89	1.3	0	0.89										END OF PERC. 3700' BELOW HIGHWAY 66.
8-14		5.2		3.2	2.0			1.7	1.5	0	1.7										END OF PERC. AT MAUNA LOA AVENUE.
8-21		4.4		3.0	1.4			1.7	1.3												
8-28		3.8						1.3	2.5												END OF PERC. ± 900' BELOW MAUNA LOA AVENUE.

PERCOLATION LOSSES ON SAN DIMAS WASH BASED ON METER MEASUREMENTS														
1951 - 52														
DATE	F218-R # RECORDER STATION	SYCAMORE CANYON CREEK INFLOW	# SAN DIMAS CANYON ROAD	LOSS C.F.S.	FLOW # FOOTHILL BOULEVARD	GAIN C.F.S.	FLOW # GLADSTONE AVENUE	LOSS C.F.S.	FLOW # GLENDDRA AVENUE	LOSS C.F.S.	COVINA CANAL INFLOW	FLOW # ARROW HIGHWAY	LOSS C.F.S.	REMARKS
3-20	22.8	+0.58	11.7	11.7	11.8	+0.1	5.5	6.3	2.3	3.2	+0.8	1.7	1.4	PERCOLATION ENDS 800' BELOW CERRITOS AVENUE

PERCOLATION LOSSES ON LIVE OAK CREEK BASED ON METER MEASUREMENTS										
1951 - 52										
DATE	BELOW LIVE OAK DAM	# MOUTH OF CANYON F31-R	LOSS C.F.S.	# GARY AVENUE	LOSS C.F.S.	# WILLIAMS AVENUE	LOSS C.F.S.	1800' BELOW FOOTHILL BOULEVARD	LOSS C.F.S.	REMARKS
1-19		9.5		8.1	1.4	6.7	1.4			
3-20	9.8	9.0	0.8			8.2	0.8	5.3	2.9	CONCRETE CHANNEL STARTS 1800' BELOW FOOTHILL BOULEVARD

PERCOLATION LOSSES ON SAN JOSE CREEK BASED ON METER MEASUREMENTS											
1951 - 52											
DATE	FLOW # WEBER STREET	100 FEET BELOW DUDLEY STREET	100 FEET BELOW GLEN AVENUE	GAIN C.F.S.	FLOW # GARVEY AVENUE	LOSS C.F.S.	FLOW # SAN DIMAS ROAD EXTENSION	LOSS C.F.S.	FLOW # KELLOGG WELL #3	LOSS C.F.S.	REMARKS
1-20	Q	1.90	2.07	0.17	1.18	0.89	0.93	0.25	0	0.93	EFFLUENT FROM PAPER MILL ENTERS CREEK 50 FEET BELOW WEBER STREET.

PERCOLATION LOSSES ON SAN ANTONIO CREEK BASED ON METER MEASUREMENTS								
1951 - 52								
DATE	# DROMEDARY DIVERSION	ABOVE LOWER S.A.W.C. EDISON DIVERSION	LOSS C.F.S.	S.A.W.C. EDISON DIVERSION	EVEY CANYON	MOUTH OF CANYON.	LOSS C.F.S.	REMARKS
2-14	9.5	9.8	+0.3	-0.85	+0.27	4.9	4.32	

TABLE XIII
YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY												
WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	
ALHAMBRA WEST WASH at S.P.R.R. Main Line (Drainage Area 3.5 square miles) F103-R												
1930-31	12	89	0	0.93	675	4	26	648				
1931-32	19	80	0	1.04	756	11	27	455				
ABANDONED 4-10-32												
ALHAMBRA EAST WASH at S.P.R.R. Main Line (Drainage Area 6.85 Square Miles) F102-R												
1930-31	7	134	0	1.20	871	4	26	930				
1931-32	17	101	0	1.40	1010	11	27	625				
ABANDONED 4-10-32												
ALHAMBRA WASH. near Klingerman Street (Drainage Area 14.5 square miles) FB10-R												
1929-30	1		0		*635	3	14	1870				
1930-31	1	226	0	2.05	1480	2	3	1530				
1931-32	15	220	0	2.68	1940	1	31	1120				
1932-33	41	418	0	2.32	1650	1	19	1850				
1933-34	41	1770	0	8.04	5820	1	1	4890				
1934-35	52	219	0	3.29	2380	1	5	2280				
1935-36	52	144	0	1.95	*1420	2	12	1700				
1936-37	82	309	0	5.36	3880	3	15	2470				
1937-38	82	997	0	7.62	5520	3	2	3670	2	28	3090	
1938-39	62	288	0	4.14	2990	1	5	1760	9	25	750	
1939-40	58	130	0	2.39	1730	2	1	912				
1940-41	38	219	0	7.61	5650	3	3	1470				
1941-42	32	193	0	2.50	1810	12	10	1850				
1942-43	38	893	0	8.38	6070	3	4	4480				
1943-44	31	454	+	5.65	4100	2	22	1860				
1944-45	31	199	0.1	3.11	2250	11	11	2220				
1945-46	53	342	0.1	4.14	3000	12	22	1600				
1946-47	53	345	0.1	5.24	3800	11	13	3810				
1947-48	51	155	0.1	2.82	2040	3	24	2670				
1948-49	51	95	0.2	2.80	2020	12	17	758				
1949-50	53	254	0.2	4.27	3090	2	16	1630				
1950-51	53	106	0.2	3.26	2360	1	11	1620				
1951-52		594	0.2	12.5	9040	1	16	3810				
1952-53		228	0.1	4.47	3240	11	15	3140				
(23-YEAR MEAN DAILY 4.64)												
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION.												
ALISO WASH at Nordhoff Street (Drainage Area 7.61 square miles) F152-R												
1939-40	59	21	0	0.23	167	1	8	285				
1940-41	39	290	0	5.74	4150	2	20	N.D.				
1941-42	33	7.0	0	0.04	33	12	28	55				
1942-43	39	449	0	3.66	2640	1	22	1750				
1943-44	32	326	0	1.68	1220	2	22	1600				
1944-45	32	39	0	0.23	167	2	2	282				
1945-46	55	73	0	0.45	323	12	21	1140				
1946-47	55	26	0	0.32	230	12	25	290				
1947-48	53	NO RECORD										
1948-49	53	2.7	0	0.05	40	12	26	51				
1949-50	56	11	0	0.11	78	2	6	77				
1950-51	56	3.9	0	0.06	43	1	29	23				
1951-52		153	0	2.22	1620	1	15	1600				
1952-53		51	0	0.42	301	11	15	1020				
ARROYO SECO below Devil's Gate Dam (Drainage Area 32.5 square miles) P277-R												
1942-43	42	3190	0	33.0	24000	1	23	5640				
1943-44	35	944	0	11.5	8270	2	20	1540				
1944-45	35	187	0.1	3.52	2560	3	15	610				
1945-46	60	272	0	2.21	1600	12	23	445				
1946-47	60	410	0	5.73	4140	12	27	610				
1947-48	57	1.6	0	0.07	52	4	5-14	1.6				
1948-49	57	1.3	0	0.024	18	6	13	1.7				
1949-50	61	21	0	0.10	71	11	10	106				
1950-51	61	0.6	0	0.002	1.4	9	4	26				
1951-52		788	0	15.9	11460	1	18	999				DAM RECORDS
1952-53		11.2	0	0.11	77	1	11	25				
BALLONA CREEK at Curson Avenue (Drainage Area 25.42 square miles) F298-R												
1950-51		213.	1.4	13.8	9960	1	10	2090				
1951-52		994	1.2	26.0	18880	3	15	5060				
1952-53		339	1.2	11.6	8410	11	15	4310				

YEARLY DISCHARGE SUMMARY												
WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	
BALLONA CREEK at Sawtelle Boulevard (Drainage Area 111 square miles) F385-R												
1927-28	60		0		*3930	5	8	*1100				
1928-29	204	1150	0	20.6	14900	3	10	4990				
1929-30	7	1130	0	18.6	13460	1	11	4460				
1930-31	17	1500	0	25.6	18520	4	26	6280				
1931-32	21	1780	0	30.0	21790	12	28	6130				
1932-33	44	1660	0	21.8	15810	1	19	7000				
1933-34	44	4310	0	28.5	20630	1	1	11300				
1934-35	57	2190	0	34.4	24870	4	8	11200				
1935-36	57	929	0	19.3	13505	2	12	8070				
1936-37	84	2160	0	56.2	40680	12	30	8940				
1937-38	84	7330	3.6	72.5	52500	3	2	19000	2	28	15280	
1938-39	64	3080	1.8	39.4	28490	12	17	9900	9	25	9200	
1939-40	61	1270	1.3	29.1	21110	2	3	9750				
1940-41	41	2680	0	93.0	67360	12	23	17310				
1941-42	34	990	2.8	23.8	17250	12	10	7500				
1942-43	44	4840	2.6	47.3	34240	1	22	13210				
1943-44	37	3010	3.4	45.4	33000	2	22	8600				
1944-45	37	1200	3.0	33.8	24450	11	11	9380				
1945-46	62	1830	3.8	25.4	18380	12	22	7750				
1946-47	62	1960	2.8	36.3	26300	12	25	9630				
1947-48	59	1000	3.5	18.8	13630	3	24	12710				
1948-49	59	668	2.8	22.2	16090	2	7	5740				
1949-50	63	1620	1.4	32.1	23250	2	6	7670				
1950-51	63	756	0.7	26.1	18860	1	10	5460				
1951-52		2520	3.5	73.5	53350	1	16	12820				
1952-53		1140	4.8	27.4	19910	11	15	11520				
(25-YEAR MEAN DAILY 36.0)												
BIG DALTON CREEK below Big Dalton Dam (Drainage Area 4.8 square miles) F120-R												
1940-41	45	66	0	3.99	2890	3	5	67				
1941-42	37	2.8	0	0.32	235			N.D.				
1942-43	46	103	0	4.40	3180	3	4	111				
1943-44	39	35	0	1.60	1160	2	23	56				
1944-45	39	13	0	1.16	842	3	15	34				
1945-46	66	5.0	0	0.76	549	12	23	34				
1946-47	66	11	0	0.75	545	10	3	30 EST.				
1948-49	62	7.4	0	0.14	103	12	18	25				
1949-50	67	8.7	0	0.17	122	1	21	11				
1950-51	67	1.9	0	0.02	14	1	11	10 EST.				
1951-52		33	0	2.21	1600	1	19	34				
1952-53		7.0	0	0.15	107	1	15	38				
BIG DALTON WASH at Sierra Madre Avenue (Drainage Area 7.67 square miles) F202-R												
1951-52		28	0	INC.	INC.	1	18	55				
1952-53		4.3	0	0.07	51	1	15	35				
DALTON WASH at Merced Avenue (Drainage Area 22 square miles) F274-R												
1940-41	46	206	0	5.30	3840	3	13	674				
1941-42	38	42	0	1.01	727	12	10	230				
1942-43	49	336	0	4.83	3500	1	22	1230				
1943-44	42	418	0	2.23	1620	2	22	2850				
1944-45	41	144	0	1.24	894	11	11	1740				
1945-46	70	229	0	2.22	1610	12	23	1450				
1946-47	70	52	0	1.36	984	11	23					

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
BIG TUJUNGA CREEK above Edison Road (Drainage Area 67 square miles) F111B-R											
1930-31	39	65	0	1.99	1440	2	5	216			
1931-32	31	964	0	14.8	10250	2	8	3910			
1932-33	55	108	0	3.59	2600	1	19	324			
1933-34	55	707	0	4.26	3090	1	1	1520			
1934-35	69	296	0	13.3	9600	4	8	640			
1935-36	69	60	0	3.20	2930	2	12	159			
1936-37	88	707	+	26.9	19440	2	6	1030			
1937-38	88	E8200	0.8	63.0	45600	3	2	N.D.	3	1	2480
1938-39	66	345	0.9	10.9	7920	12	19	543	9	25	400
1939-40	64	276	0.2	7.62	5530	1	8	N.D.			
1940-41	48	1120	0.8	67.3	48710	2	20	1380			
1941-42	39	57	0.6	8.20	5930	12	10	112			
1942-43	51	4510	0.8	61.7	44670	1	23	14800			
1943-44	43	2240	2.5	50.2	36470	2	22	3300			
1944-45	42	500	1.1	14.2	10300	11	11	1870			
1945-46	73	1074	0.7	13.2	9570	3	30	1800			
1946-47	73	634	0.1	15.2	11020	12	26	1500			
1947-48	72	49	0.1	2.64	1910	4	29	140			
1948-49	72	11	+	2.09	1510	1	20	16	3	5	14
1949-50						2	6	40			
1949-50											

STATION ABANDONED ON 5-18-50
(19-YEAR MEAN DAILY 20.3)
SEE STATION F111C-R

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
TUJUNGA WASH at Glen Oaks Boulevard (Drainage Area 143 square miles) F205-R											
1931-32	26							*741			N.D.
1932-33	66	562	0	6.22	4500	1	19	2260			
1933-34	66	909	0	5.20	3760	1	1	3750			
1934-35	83	328	0	14.0	10110	4	8	615			
1935-36	83	213	0	5.83	4220	2	12	628			
1936-37	101	496	0	49.8	35580			N.D.			
1937-38	101							E54000			
1938-39											
1939-40	69										
1940-41	56	1050	0	115.	83220	3	5	1200			
1941-42	44	59	0	5.80	4190	12	30	59			
1942-43	56	E1610	0	92.5	66970	1	23	1780			
1943-44	49	985	0	60.3	43750	2	22	1100			
1944-45	49	303	0	3.21	2330	2	5	510			
1945-46	84	543	0	3.81	2820						
1946-47	84	255	0	9.47	6850						
1947-48	82										
1948-49	82										
1949-50	84										
1950-51	84										

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
BIG TUJUNGA - FOX CREEK above Mouth (Drainage Area 3.4 square miles) F110-R											
1930-31	75	3.9	0.04	0.32	235	2	4	6.9			
1931-32	43	285	0.02	3.46	2510	2	9	400			
1932-33	88	21	0.01	0.78	565	1	19	115			
1933-34	88	89	0.01	0.98	710	1	1	215			
1934-35	80	29	+	1.63	1180	10	18	314			
1935-36	80	32	+	1.06	775	2	2	410			
1936-37	92	117	+	5.27	3810	12	27	270			
1937-38	92				*	3	2	N.D.			

ABANDONED 2-7-38

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
TUJUNGA WASH at Magnolia Boulevard (Drainage Area - split) F105-R											
1930-31	38							NEGLIGIBLE			NEGLIGIBLE
1931-32	28	12	0	0.11	78	12	28	46			
1932-33	70	0	0	0	0			0			
1933-34	70	12	0	0.34	25	1	1	145			
1934-35	86	0	0	0	0			0			
1935-36	86	3.3	0	0.01	8.9	2	12	15			
1936-37	104	14	0	0.07	51	2	6	53			
1937-38	72				*			N.D.			
1938-39	72	0.1	0	+	0.40	1	21	1.1	9	25	0.5
1939-40	71	E19	0	E0.12	E96			N.D.			
1940-41	58	37	0	0.52	373	2	28	125			
1941-42	45	16	+	0.17	123	12	28	119			
1942-43	58	140	+	0.98	708	1	22	1350			
1943-44	51	97	0.3	1.51	1090	2	20	460			
1944-45	50	2.6	0.2	0.57	413	2	2	16			
1945-46	87	0.6	0.04	0.14	103	12	21	2.1			
1946-47	87	0.6	0	0.02	18	12	26	2.3			
1947-48	82	0.3	0	+	0.6	3	24	1.3			

STATION DISCONTINUED 3-24-49 - SEE STATION F105B-R

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
BIG TUJUNGA - MILL CREEK above Mouth (Drainage Area 21.1 square miles) F112-R											
1930-31	145	1.3	0	0.19	139	4	26	1.7			
1931-32	70	291.	0	3.02	2190	2	9	512			
1932-33	126	6.9	0	0.40	294	1	19	20			
1933-34	126	58	0	0.43	308	1	1	179			

ABANDONED 11-26-34

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
TUJUNGA WASH below Hoopark Street (Drainage Area 212 square miles) F105B-R											
1949-50	85	NOT DETERMINED									
1950-51	85	21	0	0.31	223	1	29	96			
1951-52		2740	0	22.2	16110	1	24	3280	1	17	1410
1952-53		98	0	1.26	913	11	15	1010			

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
BIG TUJUNGA CREEK below Big Tujuaga Dam No. 1 (Drainage Area 62.8 square miles) F108-R											
1932-33	59	38.	0.5	6.19	4480	1	19	58			
1933-34	59	15	0.2	5.99	4290	1	1	44			
1934-35	66	339	0.6	14.9	10760	4	8	547			
1935-36	66	40	0.2	7.53	5470	11	18	101			
1936-37	94	385	0.1	35.7	25860	2	16	385			
1937-38	94					3	2	E33000			N.D.
1938-38	66	E263	0.7	12.6	9110	12	23	424	9	25	2.6
1939-40	66	285	0.2	9.92	7200	1	8	747			
1940-41	50	1080	0.2	81.6	59100	2	21	1590			
1941-42	40	47	1.0	10.7	7720	12	31	47			
1942-43	53	6640	0.2	73.1	52910	1	23	17700			
1943-44	45	E2300	E0.3	57.5	41400	2	22	3310			
1944-45	44	241	0.8	16.9	12240	11	38	E300			
1945-46	76	491	0.6	17.1	12400	3	30	983			
1946-47	76	460	0.7	17.7	12820	12	26	501			
1947-48	75	28	0.4	4.33	3580	7	15	54			
1948-49	75	4.5	+	2.28	1650	8	31	4.5			
1949-50	79	5.4	0.2	2.64	1910	7	2	5.4			
1950-51	79	12	0.2	1.71	1240	8	22	E15			
1951-52		1040	0.5	36.1	26230	1	18	1860			
1952-53		51	0.1	6.53	4730	9	22	86			

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
TUJUNGA WASH - CENTRAL at Magnolia Boulevard (Drainage Area 6.86 square miles after 1948) F106-R											
1930-31	34	24	0	0.13	91	2	3	55			
1931-32	29	591	0	5.75	4170	2	9	1380			
1932-33	71	127	0	0.57	413	1	19	429			
1933-34	71	641	0	1.99	1440	1	1	3110			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
BROOKS CANYON CREEK at Devonshire Street, Chatsworth (Drainage Area 14.3 square miles) F2-R														
1928-29	259	0	0	0	0			0			0			
1929-30	23	0	0	0	0			0			0			
1930-31	46	5.0	0	0.77	554	4	26	7.7						
1931-32	33	80	0	0.96	693	2	9	152						
1932-33		NO RECORD												
1933-34		NO RECORD												
1934-35		NO RECORD												
1935-36				**	439	2	14	N.D.						
1936-37	109	85	0	0.61	499	2	14	140						
1937-38	109	595	0	2.92	2120	3	2	1100	3	1	94			
1938-39	74	8.5	0	0.10	75	12	18	663						
1939-40				**										
STATION ABANDONED 10-31-39														

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
CALABASAS CREEK at Ventura Boulevard (Drainage Area 2.4 square miles) F270-R														
1939-40	72				0.30									
1940-41	61	65	0	1.49	1080	2	20	551						
1941-42	47	0.3	0	+	1.2	12	28	5.6						
1942-43	61	34	0	0.55	402	1	23	445						
1943-44	54	E11.4	0	0.55	399	2	22	550						
1944-45	53	E 2.5	0	0.01	7.2	2	2	20						
1945-46	91	-4.3	0	0.02	16.9	12	21	30						
1946-47	91	2.6	0	0.02	12.1	11	23	45						
1947-48	86	0.2	0		0									
1948-49	86				0									
1949-50					0									
STATION DISCONTINUED 12-7-50														

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
CASTAIC CREEK at Highway 126 (Drainage Area 202.5 square miles) F108-R														
1945-46	93	RECORD INCOMPLETE						N.D.						
1946-47	93	435	0	4.25	3080	12	26	1440						
1947-48	86	24	0	0.11	77	3	24	243						
1948-49	86				0									
1949-50	93				0									
1950-51	93				0									
1951-52		1450	0	26.6	19330	1	15	4200						
1952-53		31	0	0.18	133	12	2	377						

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
CENTINELA CREEK at Centinela Boulevard (Drainage Area 5.17 square miles) F198-R														
1932-33	74	70	0	0.74	534	1	19	297						
1933-34	74	212	0	1.24	895	1	1	570						
1934-35	88	259	0	2.23	1620	3	2	1590						
1935-36	88	91	0	0.70	509	2	14	1170						
STATION ABANDONED 6/11/36														

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
COMPTON CREEK at 120th Street (Drainage Area 14.5 square miles) F302-R														
1951-52		453	0.1	8.30	6030	1	18	1730						
1952-53		130	0	2.64	1920	11	15	1240						

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
COMPTON CREEK near Greenleaf Drive (Drainage Area 23.3 square miles) F378-R														
1927-28	80		0		*1230	3	5	*240						
1928-29	188	197	0	3.13	2270	3	10	924						
1929-30	29	144	0	3.48	2520	3	14	580						
1930-31	50	137	0.04	3.31	2400	4	26	678						
1931-32	35	248	0	4.43	3220	1	31	757						
1932-33	77	166	0	2.45	1780	1	19	740						
1933-34	77	372	0	3.53	2560	1	1	960						
1934-35	90	301	0	5.73	4170	4	8	850						
1935-36	90	143	0	4.02	2920	2	12	824						
1936-37	112		0		*6850	3	2	N.D.						
1937-38	112	E986												
1938-39	75	837	0	7.12	5150	9	25	2150						
1939-40	73	256	0.1	7.35	5340	2	3	1630						
1940-41	63	544	1.0	22.7	16400	12	23	2660						
1941-42	48	236	3.0	10.1	7280	12	10	1730						
1942-43	63	752	0.8	11.8	8560	1	22	2050						
1943-44	55	739	2.3	15.6	11290	2	20	2370						
1944-45	54	363	4.4	12.7	9210	11	11	3010						
1945-46	95	362	2.6	11.0	7960	12	23	2010						
1946-47	95	474	4.1	13.9	10080	11	23	2930						
1947-48	88	170	0.6	7.90	5740	3	24	1410						
1948-49	88	282	0.1	5.06	3660	12	17	2710						
1949-50	94	433	+	6.65	4820	2	6	2830						
1950-51	94	209	+	4.90	3550	1	10	1790						
1951-52	661		0.1	14.7	10650	1	18	3220						
1952-53	220		0.1	5.56	4020	11	15	2380						

YEARLY DISCHARGE SUMMARY										PEAK FLOWS				
WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	MO	DAY	FLOW CFS
COYOTE CREEK at Del Amo Street (Drainage Area 110 square miles) F41C-R														
1929-30	24	69	0	0.96	699	1	15	91						
1930-31	58	132	0	0.78	568	2	5	218						
1931-32	37	496	0	3.70	2690	2	9	799						
1932-33	80	130	0	0.83	457	1	30	283						
1933-34	80	1350	0	5.38	3890	1	1	2020						
1934-35	96	569	0	5.33	3850	12	13	3190						
1935-36	96	172	0	1.60	1150	2	12	486						
1936-37	115	2760	0	18.9	13680	2	6	4190						
1937-38	115	2770	0	20.8	15070	3	2	3610						
1938-39	77	E552	0	5.86	4250	9	25	E1660	3	1	1940			
1939-40	75	276	0	4.40	3190	2	3	827						
1940-41	65	1440	0	40.7	29500	2	28	2750						
1941-42	50	92	0	2.15	1560	12	10	351						
1942-43	65	1030	0	16.7	12070	1	23	1480						
1943-44	57	1860	0	16.6	12060	2	22	3550						
1944-45	56	185	0.3	5.24	3800	11	12	488						
1945-46	98	278	0.2	4.89	3540	12	23	920						
1946-47	98	96	0.1	3.30	2460	11	14	145						
1947-48	91	9.3	0	2.07	1500	12	13	23						
1948-49	91	9.2	0	1.31	951	1	21	11						
1949-50	97	89	0	2.48	1800	2	6	240						
1950-51	97	8.4	0	1.96	1420	1	30	12						
1951-52		4420	0	33.0	23920	1	18	7360						
1952-53			0	1.60	1155	12	2	518						

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS

EATON WASH at Ellis Lane (Drainage Area 18.4 square miles)												F104-R				
1930-31	69	58	0	0.43	314	4	26	359								
1931-32	41	129	0	1.30	946	2	8	184								
1932-33	85	187	0	0.78	564	1	19	399								
1933-34	85	523	0	2.75	1990	1	1	2180								
1934-35	101	72	0	0.75	543	1	5	609								
1935-36	101	63	0	1.19	666	2	12	414								
1936-37	119	101	0	1.79	1300	12	27	400								
1937-38	119	724	0	5.76	4170	3	2	E1900	2	28	670					
1938-39	80	77	0	0.99	718	1	5	738	9	25	240					
1939-40	78	45	0	0.85	402	2	2	341								
1940-41	72	268	0	7.66	5860	3	3	990								
1941-42	54	49	0	0.40	293	12	10	289								
1942-43	74	E885	0	9.82	7100	1	23	2280								
1943-44	63	224	0	2.27	1650	2	22	412								
1944-45	63	37	0	0.38	273	2	2	425								
1945-46	111	105	0	0.70	509	12	23	286								
1946-47	111	74	0	1.16	840	11	13	674								
1947-48	100	23	0	0.26	191	3	24	350								
1948-49	100	8.0	0	0.12	86	3	11	54								
1949-50	107	62	0	0.54	392	2	6	230								
1950-51	107	21	0	0.18	133	1	11	361								
1951-52	210	0	0	3.88	2820	1	16	953								
1952-53	93	0	0	0.74	539	11	15	868								
(23-YEAR MEAN DAILY 1.93)																

LA TUNA CREEK at Belmont Country Club (Drainage Area 5.1 square miles)												F287-R				
1945-46	119	RECORD	INCOMPLETE			3	30	102								
1946-47	119	29	0	0.22	158	12	26	132								
1947-48	108	+	0	+	0											
1948-49	108				0											
1949-50	113	+		+	0											
1950-51	113				0											
1951-52	137	0	0	1.76	1280	1	16	656								
1952-53	3.8	0	0	.025	18	12	20	24								

LIMEKILN WASH at Devonshire Avenue (Drainage Area 3.8 square miles)												F109-R				
1939-40	80	1.9	0	0.02	13	1	8	12								
1940-41	75	41	0	1.50	1080	2	17	318								
1941-42	55	1.6	0	0.03	20	12	10	6.3								
1942-43	79	60	0	0.85	619	1	22	300								
1943-44	68	65	0	0.53	382	2	22	288								
1944-45	67	7.0	0	0.11	77	2	2	50								
1945-46	121	12.0	0	0.14	104	12	21	93								
1946-47	121	8.1	0	0.13	92	12	25	33								
1947-48	108	4.5	0	0.03	23	3	24	70								
1948-49	108	1.0	0	-.006	4.4	3	11	6.7								
1949-50	114	3.9	0	0.02	17	2	6	22								
1950-51	114	1.7	0	0.02	14	1	29	21								
1951-52	119	0	0	1.18	857	1	15	828								
1952-53	11.1	0	0	0.15	107	11	15	199								

LITTLE DALTON CREEK above Mouth of Canyon (Drainage Area 2.7 square miles)												F65B-R				
1928-29	44		0		58	3	10	5.8								
1929-30	52	4.5	0	0.12	85	5	3	28								
1930-31	80	1.8	0	0.04	30	4	26	6.3								
1931-32	46	25	0	0.62	449	1	31	72								
1932-33	91	7.6	0	0.10	75	1	19	25								
1933-34	91	97	0	0.67	482	1	1	201								
1934-35	104	26	0	0.68	495	4	8	69								
1935-36	104	19	0	0.64	465	2	11	118								
1936-37	121	41	0	1.97	1430	12	31	140								
1937-38	121	381	0	3.68	2660	3	2	E960	3	1	391					
1938-39	82	7.0	0	0.28	207	1	5	36	9	25	3					
1939-40	81	13	0	0.32	231	1	7	63								
1940-41	76	41	0	2.70	1950	3	4	73								
1941-42	56	2.5	0	0.27	198	12	29	10								
1942-43	80	76	0	2.64	1910	1	23	182								
1943-44	69	97	0	1.24	300	2	22	198								
1944-45	68	20	0	1.03	748	11	11	96								
1945-46	123	57	0	0.72	519	12	21	111								
1946-47	123	19	0	0.55	400	11	20	57								
1947-48	111	1.6	0	0.05	41	4	3	4.0								
1948-49	111	1.1	0	0.08	58	3	4	1.9								
1949-50	117	3.3	0	0.13	94	12	18	8.1								
1950-51	117	0.5	0	-.006	4.2	1	11	5.4								
1951-52	45	0	0	1.29	935	1	16	118								
1952-53	2.5	0	0	.082	60	12	1	12								
(24-YEAR MEAN DAILY 0.83)																

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS

LITTLE ROCK CREEK above Little Rock Dam (Drainage Area 49.0 square miles)												L1-R				
1930-31	94	195	0	4.99	3610	4	26	430								
1931-32	51	830	0	*	*16730	2	8	2200								
1932-33	99	56	0	5.77	4180	3	9	66								
1933-34	99	455	0	5.20	3770			N.D.								
1934-35	107	716	0	24.4	17640	2	5	925								
1935-36	107	127	0	4.57	3320	2	23	261								
1936-37	124	679	0	30.3	*21950	2	8	1550								
1937-38	124		0		*	3	2	E17000								
1938-39	84							N.D.	9	25	1100					
1939-40	83	183	0	9.64	7000	1	8	555								
1940-41	79	1730	0	71.3	51620	2	20	2240								
1941-42	58	55	+	7.10	5140	4	14	82								
1942-43	82	E2730	0	49.5	35870	1	23	5700								
1943-44	71	736	0.8	49.6	35940	2	22	1230								
1944-45	70	323	0.1	12.8	9250	11	11	1080								
1945-46	127	604	0	16.7	12150	12	21	1100								
1946-47	127	1740	0	21.9	15840	12	26	3180								
1947-48	114	62	0	3.37	2450	4	29	122								
1948-49	114	33	0	4.38	3170	4	14	37								
1949-50	120	114	0	3.41	2470	2	6	212								
1950-51	120	4.7	0	0.60	432	5	4	5.0								
1951-52	311	0	0	31.6	22890	12	30	502								
1952-53	33	0	0	4.17	3020	1	9	36								

LITTLE TUJUNGA WASH at Foothill Boulevard (Drainage Area 21.0 square miles)												F19-R				
1928-29	255			NEGLIGIBLE	0			N.D.								
1929-30	51			NEGLIGIBLE	0			N.D.								
1930-31	90	7.1	0	0.08	57	2	4	30								
1931-32	50	274	0	2.57	1870	2	9	660								
1932-33	96	118	0	0.71	514	1	19	450								
1933-34	95	258	0	1.12	819	1	1	1360								
1934-35	113	63	0	0.63	455	12	13	89								
1935-36	113	83	0	1.28	929	2	2	653								
1936-37	129	175	0	6.58	4760	2	14	964								
1937-38	129	1300	0	12.4	8960	3	2	E8500	3	1	1140					
1938-39	87	40	0	0.70	504	3	9	175	9	25						

YEARLY DISCHARGE SUMMARY
YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CES
LOS ANGELES RIVER below Sepulveda Boulevard (Drainage Area 157 square miles) F58-R											
1928-29	216		0	* 720	4	4	127				
1929-30	80	143		1.72	1230	3	15	339			
1930-31	99	852	0.06	5.09	3660	2	4	1300			
1931-32	55	825	0.08	8.72	6330	2	8	2000			
1932-33	103	1010	0.05	6.14	4440	1	19	1720			
1933-34	103	1910	0.03	7.65	5540	1	1	7380			
1934-35	131	203	+	4.35	3 50	1	5	886			
1935-36	131	79	0.2	2.17	1570	2	12	286			
1936-37	134	1200	0.2	15.1	10920	2	14	2630			
1937-38	134	5870	0.8	*	*	3	2	E12000	3	1	3220
1938-39	89	1180	1.8	17.9	12970	12	15	2980	9	25	1930
1939-40	89	637	1.8	10.2	7430	1	8	2630			
1940-41	86	3540	2.9	76.1	55120	2	20	6610			
1941-42	64	161	5.0	9.38	6790	12	28	1040			
1942-43	91	2370	5.0	45.7	33070	1	23	2710			
1943-44	79	E4100	5.5	48.5	35210	2	22	5060			
1944-45	78	256	7.5	14.3	10370	2	2	1000			
1945-46	142	479	6.0	22.3	16120	12	21	1730			
1946-47	142	358	6.0	21.9	15840	12	26	881			
1947-48	125	83	5.2	11.7	8510	3	24	284			
1948-49	125	103	4.0	8.45	6120	12	17	149			
1949-50	127	141	2.4	7.87	8700	2	6	413			
1950-51	127	91	1.0	9.43	6830	1	29	280			
1951-52		4280	1.4	61.9	44920	1	16	8650			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER at Vineland Avenue
(Drainage Area 400 square miles) F124-R

1928-29	224	127	4.1	18.0	13040	11	14	427			
1929-30	60	158	3.9	23.0	16660	3	15	231			
1930-31	130				* 8370	2	4	1240			
1931-32	57	998	0.6	17.6	12830	2	8	1630			
1932-33	107	1230	1.7	11.7	8370	1	19	2080			
1933-34	107	2450	1.3	16.0	11560	1	1	9140			
1934-35	134	188	2.2	8.65	6260	1	5	1020			
1935-36	134	91	2.1	5.59	4060	2	12	261			
1936-37	137				**	2	14	2770			
1937-38	137				**	3	2	E37700			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER at Tujunga Avenue
(Drainage Area 408 square miles) F300-R

1950-51	132	181	2.5	12.3	8910	1	29	598			
1951-52		5360	3.1	101.	73040	1	15	13220			
1952-53		851	6.5	27.1	19610	12	1	2900			

LOS ANGELES RIVER at Mariposa Street
(Drainage Area 430 square miles) F268-R

1938-39	91				* 20390	1	21	* 1012	9	25	620
1939-40	92	986	8.0	38.7	28050	1	8	3950			
1940-41	89	5500	8.5	160.	116000	3	4	8450			
1941-42	67	358	14	49.1	35540	12	28	2290			
1942-43	93	4440	11	136	97060	1	23	7520			
1943-44	81	6050	14	113	82390	2	22	9040			
1944-45	80	304	14	40.7	23460	1	2	2840			
1945-46	146	792	6.0	38.8	28070	12	22	2250			
1946-47	146	500	4.0	36.3	26310	11	13	1220			
1947-48	129	359	5.1	21.0	15260	3	24	2180			
1948-49	129	295	4.0	23.4	16970	12	16	1110			
1949-50	134	293	0.3	8.05	5830	1	8	874			
1950-51	134	241	0.3	7.41	5370	1	29	1300			
1951-52		6220	0	112	81270	1	18	12740			
1952-53		889	0	18.7	13530	11	15	4910			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER above Arroyo Seco (near Dayton Avenue)
(Drainage Area 510 square miles) F57C-R

1929-30	67	312	0	2.29	1660	3	15	500			
1930-31	123	927	0	5.48	3950	2	4	4540			
1931-32	60	2520	0	21.0	15240	2	8	3020			
1932-33	111	2330	0	14.7	10640	1	19	5780			
1933-34	111	5990	0	41.2	29910	1	1	22000			
1934-35	117	568	0.1	17.3	12550	4	8	E2400			
1935-36	117	322	0.4	7.94	5770	3	30	2540			
1936-37	139	1670	0.4	33.8	24470	2	6	2410	2	14	2410
1937-38	139	27900	0.6	183	132600	3	2	E68000	3	1	9920
1938-39	93	1950	3.8	58.5	42360	1	5	3710	9	25	620
1939-40	94	2070	6.0	54.5	39590	1	8	8900			
1940-41	92	6700	4.2	228	165000	2	20	11870			
1941-42	69	1170	22	75.7	54800	12	10	5260			
1942-43	95	7120	15	172	124400	1	23	23900			
1943-44	83	6020	25	151	109800	2	22	14600			
1944-45	82	1150	6.5	51.1	36390	2	2	4900			
1945-46	149	1880	3.4	49.6	35880	12	22	5240			
1946-47	149	896	1.6	43.3	31330	12	25	5320			
1947-48	132	498	3.6	20.5	14890	3	24	4900			
1948-49	132	451	4.2	24.3	17600	12	17	1530			
1949-50	138	804	0.3	14.9	10760	2	6	2840			
1950-51	138	487	0.5	10.8	7840	1	11	3600			
1951-52		8130	0.5	149	108000	1	18	25260			
1952-53		1370	0.6	25.5	18480	12	20	7270			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
LOS ANGELES RIVER at Firestone Boulevard (Drainage Area 614 square miles) F34C-R											
1927-28	67		0		* 6690	2	4	* 1120			
1928-29	161	775	0	13.6	3830	11	14	2010			
1929-30	72	813	0	13.4	9730	3	15	2210			
1930-31	106	1560	1.4	18.6	13450	2	4	4360			
1931-32	62	2650	0.4	35.3	25620	2	8	4780			
1932-33	115	2900	0	23.5	17020	1	19	7070			
1933-34	115	8550	0	52.9	38330	1	1	29400			
1934-35	126	1430	0	40.3	29170	1	5	10400			
1935-36	126	1040	0	20.5	14920	2	12	5730			
1936-37	144	3460	0	67.2	48630	12	30	E10000			
1937-38	144	40000	0	278	201300	3	2	E79000	3	1	18500
1938-39	96	E5090	0	108	78440	9	25	10800			
1939-40	97	2410	E14	80.5	58420	1	8	7610			
1940-41	96	7580	10	345	249500	2	20	14760			
1941-42	72	2030	27	97.8	70820	12	10	8210			
1942-43	97	10710	18	268	193700	1	23	27500			
1943-44	86	13020	38	249	180900	2	22	24750			
1944-45	84	1980	16	91.0	65900	2	2	6970			
1945-46	153	4000	8.4	95.8	69310	12	22	12500			
1946-47	153	2760	14	99.7	72180	12	25	14870			
1947-48	136	1280	10	52.8	38350	3	24	8980			
1948-49	136	1130	11	49.1	35550	12	17	5300			
1949-50	142	1770	8.5	43.9	31760	2	6	8480			
1950-51	142		7.5	35.3	25560	1	11	5420			
1951-52		11780	1.8	249	180500	1	16	32890			
1952-53		2000	1.4	57.1	41380	11	15	14100			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

LOS ANGELES RIVER at Pacific Coast Highway
(Drainage Area - split) F180-R

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
MISSION CREEK at San Gabriel Boulevard (Drainage Area 3.0 square miles) F83-R											
1929-30	117	20	14	17.0	12290	2	3	20			
1930-31	187	37	12	16.3	11820	2	4	49			
1931-32	90	37	13	16.7	12120	2	8	44			
1932-33	158	32	11	16.2	11720	1	29	51			
1933-34	158	84	7.6	12.5	9036	1	1	166			
1934-35	171	18	9.0	12.6	9140	4	8	32			
1935-36	171	26	9.5	13.5	9810	2	12	38			
1936-37	182	51	10	15.0	10840	2	14	84			
1937-38	182		15	19.6	*14220			N.D.	3	1	91
1938-39	120	77	19	22.5	16320	9	25	118			
1939-40	121	52	15	22.3	16210	1	8	74			
1940-41	124	86	17	25.1	18120	3	4	104			
1941-42	92	43	20	25.9	18740	12	10	68			
1942-43	120	101	19	24.0	17410	1	22	252			
1943-44	109	176	20	26.0	18850	2	22	336			
1944-45	91	53	18	24.9	18010	11	12	76			
1945-46	164	52	17	21.6	15630	12	23	67			
1946-47	164	45	15	19.7	14230	12	25	80			
1947-48	146	33	13	17.4	12670	12	5	51			
1948-49	146	24	10	14.7	10640	1	20	27			
1949-50	155	19	7.5	12.1	8780	1	8	26			
1950-51	155	13	5.3	9.26	6700	1	29	13			
1951-52		35	4.1	8.39	6090	1	18	71			
1952-53		13	4.6	8.52	6170	1	24	14			
(24-YEAR MEAN DAILY 17.6)											

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
MONROVIA CREEK above Sawpit Creek (Drainage Area 1.9 square miles) F22-R											
1927-28	44	0.8	0.05	0.11	* 70	2	4	N.D.			
1928-29	105	2.8	0.02	0.08	57	3	10	7.1			
1929-30	94	2.6	0	0.08	55	1	15	5.9			
1930-31	149	3.0	0	0.06	43	4	26	13			
1931-32	73	14.5	0.01	0.25	184	2	9	24			
1932-33	129	17	0	0.12	86	1	19	58			
1933-34	129	40	0	0.26	187	1	1	108			
1934-35	142	18	+	0.24	173	4	8	109			
1935-36	142	11	+	0.29	208	2	2	78			
1936-37	157	18	0	0.63	456	12	27	81			
1937-38	157	E150	+	1.98	1430	3	2	N.D.	3	1	97
1938-39	103	8.5	+	0.21	155	9	25	23			
1939-40	105	8.5	+	0.19	138	1	4	68			
1940-41	105	21	+	0.94	680	3	4	68			
1941-42	78	1.8	+	0.11	81	12	29	2.8			
1942-43	104	E95	+	1.75	1270			N.D.			
1943-44	92	35	+	0.32	236	2	22	97			
1944-45	93	11	0.03	0.19	139	11	11	52			
1945-46	167	13	0.01	0.16	120	12	23	55			
1946-47	167	9.9	0.02	0.13	94	11	20	4.4			
1947-48	150	0.2	0.02	0.036	26	3	24	1.4			
1948-49	150	0.2	0.01	0.037	27	1	20	0.64			
1949-50	158	2.2	0.01	0.072	52	11	10	16			
1950-51	158	0.6	0.01	0.04	31	1	11	4.6			
1951-52		17	0.01	0.50	359	1	16	82			
1952-53		4.7	0.01	0.11	78	12	1	80			
(26-YEAR MEAN DAILY 0.34)											

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
MONROVIA STORM DRAIN near Peck Road (Drainage Area 4.5 square miles) F198-R											
1932-33	132		0		**			N.D.			
1933-34	132	108	0	0.60	433	1	1	554			
1934-35	145	56	0	0.54	392	1	5	429			
1935-36	145	48	0	0.42	307	2	2	369			
1936-37	161	44	0	0.75	539	10	18	383			
1937-38	161	306	0	1.56	1130	3	2	E1200	3	1	436
1938-39	105	55	0	0.80	579	1	5	667	9	25	200
1939-40	107	52	0	0.68	494	1	7	422			
1940-41	107	128	0	2.21	1800	3	4	770			
1941-42	80	31	0	0.31	228	12	10	412			
1942-43	106	147	0	1.18	855	2	22	717			
1943-44	94	88	0	0.70	508	2	22	828			
1944-45	94	38	0	0.34	249	2	2	414			
1945-46	171	55	0	0.45	324	12	22	374			
1946-47	171	32	0	0.44	322	12	26	388			
1947-48	152	16.8	0	0.23	169	3	24	398			
1948-49	152	9.3	0	.208	150	3	7	154			
1949-50	161	27	0	0.38	272	2	6	253			
1950-51	161	15.1	0	0.25	184	1	11	323			
1951-52		196	0	1.34	1410	1	16	894			
1952-53		51	0	0.50	359	12	1	917			
(20-YEAR MEAN DAILY 0.72)											

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
MONTEBELLO STORM DRAIN at Outlet into Rio Hondo (Drainage Area 9.8 square miles) F181-R											
1931-32	75		0		*1120	1	31	531			
1932-33	133	125	0	0.82	592	1	19	713			
1933-34	133	391	0	2.64	1910	1	1	1360			
1934-35	148	114	0	2.28	1650	1	5	1140			
1935-36	148	55	0	1.22	889	2	14	374			
1936-37	163		0					N.D.			
1937-38	163				**			E1400			
1938-39	107	147	0	1.35	981	9	25	688			
1939-40	109	77	0.1	1.22	885	2	1	729			
1940-41	108	204	0.1	5.64	4090	3	3	936			
1941-42	81	102	0.1	1.33	962	12	10	521			
1942-43	107	E300	0.1	3.60	2580	2	22	N.D.			
1943-44	95	E323	0.1	3.30	2390	2	22	1040			
1944-45	96	64	0.1	0.85	768	11	11	506			
1945-46	173	92	0	1.19	865	12	22	384			
1946-47	173	144	0.1	1.86	1350	11	13	1240			
1947-48	155	86	0.1	1.26	913	12	5	1230			
1948-49	155	41	0.1	1.19	861	12	17	347			
1949-50	163	95	0.1	1.71	1240	1	8	790			
1950-51	163	50	0.1	1.23	888	1	10	333			
1951-52		302	0.1	4.60	3330	3	7	1010			
1952-53		97	0.1	1.97	1430	11	15	770			

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
PACOIMA CREEK - Flume below Pacoima Dam (Drainage Area 28.2 square miles) F1188-R											
1928-29	268				* 876			N.D.			
1929-30					865	9	29	9.6			
1930-31					886	2	14-18	4.0			
1931-32	81	75	0	10.6	8400	2	16-17	75			
1932-33	139	10	0	2.47	1790	4	13	81			
1933-34	139	40	0	3.50	2540	1	26	54			
1934-35	151	97	0	7.10	5140	8	21	174			
1935-36	151	57	0	4.17	3030	5	13	153			
1936-37	164	216	0	20.1	14540	2	18	233			
1937-38	164	339	+	31.4	22740	3	2	685	3	1	166
1938-39	109	49	+	4.25	3080	1	20	51	9	25	1.7
1939-40	110	136	+	4.38	3180	2	4	169			
1940-41	110	431	+	36.5	26430	3	5	460			
1941-42	82	E25	0	2.74	1980	7	15	97			
1942-43	109	576	0	28.2	20400	1	23	598			
1943-44	97	305	0	20.9	15150	3	2-3	326			
1944-45	97	174	0	6.78	4910	2	2	397			
1945-46	176	137	0	4.01	2900	2	5	241			
1946-47	176	230	0	8.32	6020	1	7	237			
1947-48	157	6.4	0	0.46	334	6	22	10			
1948-49	157	7.9	0	1.02	740	6	24	10			
1949-50	166	98	0	1.41	1020	4	11	314			
1950-51	166	5.3	0	0.09	86	6	12	17			
1951-52		416	0	19.8	14360	1	18	634			
1952-53		157	+	4.84	3500	11	17	163			

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
PACOIMA WASH at Parthenia Street (Drainage Area 50.8 square miles) F18-R											
1928-29	257		0	NEGLIGIBLE				N.D.			
1929-30	107	11	0	0.08	57	1					

YEARLY DISCHARGE SUMMARY
YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
PLACERITA CREEK at Ridge Route Highway (Drainage Area 40.9 square miles) F135-R												
1947-48	162	19	0	0.12	84	3	24	82				
1948-49	162	8.6	0	0.13	94	12	26	37				
1949-50	171	12	0	0.14	101	1	8	71				
1950-51	171	0.2	0	+	0.6	4	29	6.3				
1951-52		1410	0	16.7	12100	1	15	6800				
1952-53		71	0	0.54	390	12	1	1050				
INSTALLED 9- 17-47												

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
PUDDINGSTONE CREEK below Puddingstone Dam (Drainage Area 32.3 square miles) F10-R												
1927-28	55	0	0	0.04	30	12	13	2.0				
1928-29	55	0.4	0	0.05	30	5	3	1.4				
1929-30	112	0.6	0	0.07	23	4	26	0.9				
1930-31	165	0.3	0.01	0.02	81	2	9	15				
1931-32	82	3.0	0.01	0.11	81	2	9	15				
1932-33	144	1.3	0	0.05	38	1	29	5.0				
1933-34	144							N.D.				
1934-35	156	1.2	0.01	0.06	44	10	17	4.3				
1935-36	156	2.0	0.01	0.05	36	2	12	13				
1936-37	168	6.1	+	0.27	198	2	6	18				
1937-38	168	99	0.1	6.66	4810	3	7	104				
1938-39	112	23	0.1	1.85	1330	10	30	25	9	25	3.0	
1939-40	113	1.0	+	0.20	145	1	7	7.0				
1940-41	114	15.7	+	2.47	1790	2	19	25				
1941-42	84	44	0.1	2.27	1640	12	3	91				
1942-43	112	141	0.05	4.23	3060	3	4	287				
1943-44	100	51	+	1.54	1120	3	2	51				
1944-45	100	6.2	0.02	0.55	394	2	2	9.8				
1945-46	181	30	0.1	3.92	2840	8	31	37				
1946-47	181	3.6	0.02	0.18	131	11	12	6.0				
1947-48	165	0.7	0.01	0.07	49	7	13	7.3				
1948-49	165	0.9	+	0.63	45	7	22	2.5				
1949-50	172	1.5	+	0.99	28	12	18	4.4				
1950-51	172	0.25	0	+	11	12	14	3.1				
1951-52		2.9	+	0.15	108	1	16	12				
1952-53		3.3	0.01	0.19	135	4	20	3.7				

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
SANTA FE CHANNEL (RIO HONDO DIVERSION) below Santa Fe Dam (Drainage Area 231 square miles) F230-R												
1943-44	102	253	0	20.9	15180	5	18-23	253				
1944-45	102	NO FLOW FOR YEAR			0							
1945-46	183	479	0	31.2	22610	9	13	484				
1946-47	183	446	0	16.8	12200	11	27	484				
1947-48	167	786	0	10.9	7880	6	4	800				
1948-49	167				0							
1949-50	174				0							
1950-51	174				0							
1951-52		381	0	3.15	2280	3	16	732				
1952-53		819	0	10.7	7720	11	3	839				

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
RIO HONDO at Lower Azusa Road (Drainage Area - split) F192-R												
1931-32	84	937	0	5.25	12710	1	20	5160				
1932-33	147	2700	0	11.2	8110	1	1	5860				
1933-34	158	324	0	11.3	8160	4	8	604				
1934-35	158	114	0	4.68	3400	2	11	391				
1935-36	170	904	0	38.6	27960	2	20	1030				
1937-38	170	10500	0	241	174300	3	2	51000	3	1	4000	
1938-39	113	191	0	2.17	1570	1	5	680	9	25	130	
1939-40	114	224	0	5.01	3640	1	7	288				
1940-41	116	2220	0	113	81450	3	4	4000				
1941-42	85	214	0.1	2.73	1980	12	10	254				
1942-43	113	13000	0	14.7	10880	1	23	3500				
1943-44	103	502	0.3	15.9	11600	2	22	1080				
1944-45	102	112	0.1	1.90	1380	11	11	1060				
1945-46	185	267	0	18.0	13030	12	23	483				
1946-47	185	279	0	11.8	8560	11	27-28-29	283				
1947-48	169	570	0	7.23	5250	6	7	584	3	24	141	
1948-49	169	4.9	0	0.10	71	2	27	50	1	19-20	16	
1949-50	175	24	0	0.28	203	12	18	124				
1950-51	175	24	0	0.32	234	1	11	636				
1951-52		753	0	8.74	6340	1	16	2180				
1952-53		785	0	9.04	6550	11	15	944				
(21-YEAR MEAN DAILY 24.9)												

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
RIO HONDO above Mission Bridge (Drainage Area - split) F64-R												
1928-29	83	585	6.6	22.0	15980	11	14	2400				
1929-30	123	252	8.5	18.6	13430	3	15	1260				
1930-31	176	662	4.8	22.7	16410	2	3	4040				
1931-32	85	5090	3.3	65.6	47560	2	9	6320				
1932-33	150	1670	7.5	27.1	19650	1	19	4410				
1933-34	150	4690	3.3	40.0	28970	1	1	11800				
1934-35	162	885	8.5	40.4	29230	4	8	3560				
1935-36	162	446	10	28.6	20700	2	12	2890				
1936-37	174	989	9.5	70.3	50900	3	15	4600				
1937-38	174	E12600	11	289	209300	3	2	E28000	3	1	5670	
1938-39	115	1280	14	42.4	30650	12	18	5220	9	25	2550	
1939-40	116	505	13	38.1	27660	1	7	2380				
1940-41	118	3490	16	180	130600	3	4	6570				
1941-42	87	687	17	39.8	28810	12	10	4100				
1942-43	115	4650	20	82.2	59470	1	29	13200				
1943-44	105	2110	25	70.8	51590	2	22	4390				
1944-45	104	657	18	44.6	32300	11	11	4240				
1945-46	188	1210	23	59.6	43160	12	22	3600				
1946-47	188	865	22	66.9	48420	11	13	4950				
1947-48	172	548	6.6	34.9	25370	3	24	4240				
1948-49	172	269	4.8	15.3	11100	12	17	984	1	19-20	910	
1949-50	179	808	4.6	17.0	12280	2	6	2340				
1950-51	179	355	2.7	10.9	7880	1	11	2900				
1951-52		1840	2.2	47.8	34570	1	17	6990				
1952-53		699	3.0	22.2	16120	11	15	5390				
(25-YEAR MEAN DAILY 55.9)												

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW C.F.S.	
RIO HONDO at Stewart and Gray Road (Drainage Area - split) F15-R												
1927-28	74	0	0	0	* 269	3	6	* 4.0				
1928-29	179	248	0	3.40	2460	4	4	912				
1929-30	132	285	0	2.77	2000	3	15	743				
1930-31	170	335	0	2.63	1900	2	4	841				
1931-32	88	340	0	2.74	1920	2	9	4610				
1932-33	154	971	0	6.15	4450	1	19	2730				
1933-34	154	5810	0	23.5	17030	1	1	16000				
1934-35	167	667	0	8.28	6000	4	8	3450				
1935-36	167	472	0	5.82	4220	2	12	3160				
1936-37	179	1450	0	37.1	26870	2	14	4800				
1937-38	179	12700	0	238	172100	3	3	E24400	3	1	7600	
1938-39	118	910	0	13.2	9540	12	18	5260	9	25	3230	
1939-40	119	442	0	6.67	4850	1	8	1930				

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS

SAN ANTONIO CREEK at Mouth of Canyon (Drainage Area 26.5 square miles) F151-R											
1930-31	199		0	* 201	4	26	98				
1931-32	94	263	0	10.7	7800	2	8-9	405			
1932-33	164	33	0	0.15	111	1	19	187			
1933-34	164	123	0	0.87	630	1	1	200			
1934-35	175	87	0	9.43	6840	4	8	212			
1935-36	175	50	0	9.27	1640	2	11	208			
1936-37	187	211	0	31.2	22370	2	14	238			
1937-38	187	6620	0	58.4	42300	3	2	E23400	3	1	1220
1938-39	124	148	0	1.98	1430	9	25	282			
1939-40	124	178	0	3.89	2820	1	8	228			
1940-41	127	250	0	38.5	28870	3	12	388			
1941-42	95	10	0	0.11	83	12	10	31			
1942-43	128	1280	0	41.4	29990	1	23	3000			
1943-44	116	231	0	14.1	10280	2	22	490			
1944-45	115	145	0	6.85	4960	11	11	430			
1945-46	206	259	0	4.52	3270	12	23	550			
1946-47	206	235	0	8.01	5600	12	26	362			
1947-48	191	2.2	0	.008	6.0	4	29	17			
1948-49	191	+	0	0.+	+	5	19	+			
1949-50	197	18	0	.076	55	12	19	49			
1950-51	197	0.3	0	+	2.8	1	16	3.0			
1951-52	124	9.8	0	13.6	9870	1	16	299			
1952-53			0	.093	24	12	2	36			

SAN DIMAS CREEK below San Dimas Dam (Drainage Area 16.2 square miles) F303-R											
1951-52		171	+	6.42	4660	3	16	262			
1952-53		6.1	0.1	1.54	1110	3	17	6.1			

SAN DIMAS WASH below Puddingstone Diversion Dam (Drainage Area 18.8 square miles) F218-R											
1945-46	212	22	0	0.34	247	4	4	42			
1946-47	212	9.8	0	0.87	483	12	27	9.8			
1947-48	195	0	0	0	0						
1948-49	195	0	0	0	0						
1949-50	202	0	0	0	0						
1950-51	202	0	0	0	0						
1951-52		23	0	1.07	780	3	17	23			
1952-53					0						

SAN GABRIEL RIVER-WEST FORK above Cogswell Dam (Drainage Area 14.4 square miles) F228-R											
1933-34	174		0		1	1	1850				
1934-35	237	403	0	15.1	10900	4	8	755			
1935-36	237	121	0	5.78	4200	2	12	570			
1936-37	191	470	+	26.3	19050	12	27	1220			
1937-38	191							N.D.			

SAN GABRIEL-DEVIL'S CANYON CREEK above Cogswell Dam (Drainage Area 15.4 square miles) F227-R											
1933-34	176		0	*	1	1	1560				
1934-35	188	177	0	8.18	5930	4	8	288			
1935-36	188	75	0	2.49	1810	2	12	204			
1936-37	194	232	0	12.4	8980	2	6	367			
1937-38	194							N.D.			

SAN GABRIEL RIVER-WEST FORK below Cogswell Dam (Drainage Area 11.0 square miles) F209-R											
1933-34	178		+	27.2	19700	12	13	4400			
1934-35	240		0.2	9.76	7090	2	17	45			
1935-36	196	577	+	46.4	33580	2	14	752			
1936-37	196	6620	0.7	81.4	58920	3	2	E25000			
1937-38	126	683	0.4	15.7	11360	9	25	1190			
1938-39	126	141	0.6	12.9	9370	1	15	1240			
1939-40	126	E1130	0.5	82.6	59810	2	22	1160			
1940-41	96	76	1.0	10.1	7320	11	1	90			
1941-42	132	4780	0.6	75.9	54930	1	23	7300			
1942-43	120	805	2.2	51.9	37700	2	22	1210			
1943-44	119	144	0.8	14.4	10410	11	20	157			
1944-45	214	602	0.8	22.8	16480	3	30	814			
1945-46	214	1110	0.1	28.0	20240	1	6	1240			
1946-47	196	28	0.1	4.19	3050	5	17	79			
1947-48	196	12.3	0.1	3.83	2780	7	21	67			
1948-49	203	12.7	0.1	4.90	3550	3	2	84			
1949-50	203	10.6	0.2	0.80	875	10	24	52			
1950-51		1240	0.1	35.6	25900	1	18	2000			
1951-52		289	0.1	17.2	12480	1	9	328			
1952-53				(19-YEAR MEAN DAILY 29.7)							

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS

SAN GABRIEL RIVER-WEST FORK above North Fork (Drainage Area 49.0 square miles) F97-R											
1929-30	197	129	0.2	10.6	7790	3	14	206			
1930-31	231	368	0.05	9.31	6740	4	26	751			
1931-32	100	2090	0.1	36.4	26420	2	8	2700			
1932-33	182	996	0.1	14.1	10180	1	19	2890			
1933-34	182	1800	0.1	18.8	12050	1	1	4840			
					STATION ABANDONED						

SAN GABRIEL-BEAR CREEK above West Fork (Drainage Area 27.9 square miles) F98B-R											
1929-30	168	78	0.1	10.6	7660	5	3	108			
1930-31	245	279	0.1	6.22	4500	4	26	527			
1931-32	102	1090	0.2	22.8	16620	2	9	1510			
1932-33	186	182	0.02	9.12	6600	1	19	586			
1933-34	186	732	0	9.24	5470	1	1	1800			
1934-35	185	82	0.2	16.4	*11860			N.D.			
1935-36	185	156	0.2	9.82	6400	2	12	410			
1936-37	202	614	0.2	37.9	27440	2	14	736			
1937-38	202				STATION ABANDONED	3	2	E12500			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER-NORTH FORK above Narrows (Drainage Area 18.8 square miles) F98-R											
1929-30	178	16	1.5	4.10	1970	5	3	18			
1930-31	239	11	1.8	3.45	2500	4	28	16			
1931-32	105	188	1.8	11.9	8600	2	8	223			
1932-33	190	49	1.4	4.97	3600	1	19	126			
1933-34	190	188	0.8	4.50	3280	1	1	276			
1934-35	209	76	1.0	11.2	8140	4	8	111			
1935-36	209	36	1.6	5.94	6100	2	2	85			
1936-37	205	140	1.7	23.1	16790	3	13	198			
1937-38	205				STATION ABANDONED				3	1	1020

SAN GABRIEL RIVER-WEST FORK above Forks (Drainage Area 102 square miles) P3-R											
1927-28	18	704	1.6	17.9	15180	2	4	1620			
1928-29	15	422	0	20.7	14960	4	4	775			
1929-30	192	225	1.9	25.5	18470	3	15	301			
1930-31	264	676	1.2	20.2	14630	4	26	1530			
1931-32	107	598	1.4	76.3	55360	2	9	3790			
1932-33	193	1360	2.5	33.1	23990	1	19	3460			
1933-34	193	3340	1.5	34.5	24990	1	1	5320			
1934-35	225	1180	1.9	77.5	56110	4	8	1840			
1935-36	225	312	2.5	31.8	23070	2	12	752			
1936-37	208	1640	2.7	133	96590	2	14	2000			
1937-38	208	206	13	237	171900	3	2	E34000	3	1	3460
1938-39	128	1140	7.5	46.5	33660	9	25	2530			
1939-40	129	369	6.5	38.2	27720	1	8	1220			
1940-41	132	E2870	7.0	237	171400	2	20	E3000			
1941-42	99	183	6.5	32.9	23810	12	29	288			
1942-43	134	E11300	6.5	211	153000	1	23	E20000			
1943-44	122	4000	19	144	104500	2	22	5760			
1944-45	121	719	14	51.5	37280	11	11	3950			
1945-46	218	1830	8.0	65.3	47350	3	30	2620			
1946-47	218	2270	7.6	83.0	60120	12	26	4150			
1947-48	200	135	3.0	17.1	12450	4	29	329			
1948-49	200	55	2.3	14.5	10510	1	20	78			
1949-50	206	122	2.2	15.6	11260	12	18	280			
1950-51	206	21	0.7	4.78	3460	4	29	28			
1951-52		2690	1.1	115	83500	1	16	7520			
1952-53		380.	2.0	32.1	23210	12	1	475			
				(26-YEAR MEAN DAILY 69.8)							

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

SAN GABRIEL RIVER-EAST FORK above Cattle Canyon (Drainage Area 58.2 square miles) P2-R											
1927-28	27	168	5.4	18.5	15680	2	4	267			
1928-29	22	242	4.7	24.4	17670	3	10	448			
1929-30	186	101	7.0	29.8	21540	5	3	122			
1930-31	255	168	8.7	21.0	15200	4	26	267			
1931-32	96	2520	8.5	73.6	53410	2	8	3340			
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YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS			
SAN GABRIEL RIVER-EAST FORK above Forks (Drainage Area 88.2 square miles) PUB-R														
1932-33	170				*18990	1	19	335						
1933-34	170	6210	4.5	47.3	34230	1	1	8500						
1934-35	198	638	4.5	85.4	61840	4	8	1080						
1935-36	198	428	8.0	40.7	29590	2	11	1290						
1936-37	214	1440	9.0	148	107400	2	14	2180						
1937-38	214	E10000	20	208	150800	3	2	E46000	3	1	4660			
1938-39	133	303	14	43.6	31590	12	18	716						
1939-40	132	430	14	42.0	30500	1	8	1360						
1940-41	136	1110	12	183	132400	2	20	1870						
1941-42	101	130	12	34.9	25230	8	10	349						
1942-43	137	E5800	11	160	116100	1	23	25000						
1943-44	125	1290	21	113	81900	2	22	2410						
1944-45	123	693	20	72.9	52750	11	11	2810						
1945-46	224	1520	19	71.8	52000	12	21	2760						
1946-47	224	1160	13	66.6	48300	12	26	1900						
1947-48	204	133	6.9	21.3	15490	4	29	210						
1948-49	204	64	6.3	20.3	14700	4	24	70						
1949-50	210	168	5.4	21.5	15540	2	6	248						
1950-51	210	22	1.7	8.49	6140	4	28	38						
1951-52		833	2.4	10.9	79300	1	16	1110						
1952-53		61	5.2	20.2	14640	12	2	116						
(20-YEAR MEAN DAILY 75.9)														

SAN GABRIEL RIVER near Roberts Relay Station (Drainage Area 201 square miles) F233-R											
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
1934-35	212	2580	7.5	176	127100	4	8	4850			
1935-36	212	706	12	73.6	53410	2	12	1530			
1936-37	222	STATION ABANDONED									

SAN GABRIEL RIVER at Edison Intake (Drainage Area 202 square miles) F28-R												
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	
1927-28	4	916	5.2	47.6	34430	2	4	1830				
1928-29	1	600	3.5	49.9	36160	3	10	990				
1929-30	204	587	10	64.8	46830	5	3	799				
1930-31	204	1250	11	49.3	35690	4	26	2900				
1931-32	110	7530	11	183	132600	2	9	9110				
1932-33	199	2420	7.6	67.3	46710	1	19	7550				
1933-34	199	10700	5.5	86.9	62910	1	1	18000				
1934-35	192	2580	7.5	176	127400	4	8	4770				
1935-36	192	663	12	73.2	53180	2	12	E1330				
1936-37	224	3490	12	289	208900	2	14	4240				
SUBSEQUENT RECORDS OF SAN GABRIEL DAM INFLOW ARE EQUIVALENT TO SAN GABRIEL RIVER AT EDISON INTAKE.												
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION												

SAN GABRIEL-AZUSA CONDUIT at weir below San Gabriel Dam (Regulated Flow) F250-R												
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	
1934-35	183				*36610							
1935-36	183	109	0	42.1	30540							
1936-37	227	94	0	27.3	19740							
1937-38	227	105	0	15.4	11160							
1938-39	138	103	0	5.91	4280							
1939-40	135	94	0	47.4	34440							
1940-41	141	110	0	23.8	17220							
1941-42	104	92	0	55.2	39940	8	27	112				
1942-43	139	105	0	44.6	32250	5	24	127				
1943-44	128	97	0	59.3	43050	1	4	165				
1944-45	126	142	0	81.5	59050							
1945-46	229	139	0	66.3	47930	2	5	139	2	8	139	
1946-47	229	138	0	73.2	52990	1	1	195				
1947-48	208	60	0	36.9	46830	VARIOUS		60				
1948-49	208	70	0	25.0	18120	1	21	74				
1949-50	215	82	20	37.4	27060	1	10	90				
1950-51	215	70	0	11.9	8610	3	16	80				
1951-52		96	0	65.3	47400	3	5	155				
1952-53		89	0	43.7	31660	1	23	110				
(18-YEAR MEAN DAILY 42.4)												

SAN GABRIEL-AZUSA CONDUIT at Garcia Canyon (Regulated Flow) F220-R												
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	
1932-33	208											
1933-34	208	86	0	27.3	19770							
1934-35	178	94	6.2	64.3	46570							
1935-36	178	86	9.1	40.7	29500							
1936-37	228	93	+	29.0	21030							
1937-38	228	94	+	16.4	11910							
1938-39	138	0	0	0	0							
1939-40	136	90	E+	32.7	23760							
1940-41	142	89	+	23.2	16820							
1941-42	105	91	+	53.0	38360			91				
1942-43	140	94	0.1	36.6	26510			94				
1943-44	129	94	+	56.9	41310			94				
1944-45	127	94	+	59.2	42910			94				
1945-46	231	92	+	55.0	39820	4	29	91				
1946-47	231	92	0.1	64.7	46900	VAR. TIMES		92				
1947-48	209	60	+	34.4	24960	VAR. DAYS		60				
1948-49	209	70	0.1	24.0	17380	1	21	70				
1949-50	217	82	19	37.5	27140	1	10	90				
1950-51	217	70	0	11.5	8310	3	15	81				
1951-52		91	0	65.2	47300	2	14	91				
1952-53		89	+	43.7	31680	11	18	90.5				
(20-YEAR MEAN DAILY 38.8)												

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30										PEAK FLOWS				
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS			
SAN GABRIEL-AZUSA-DUARTE TUNNEL DIVERSION near Mouth of San Gabriel Canyon (Regulated Flow) S100A-R														
1918-19		31	0	1.2	866									
1919-20		38	0	4.7	3420									
1920-21		44	0	3.8	2750									
1921-22		34	0	6.5	4710									
1922-23		38	0	2.7	1960									
1923-24		26	0	1.0	718									
1924-25		9.9	0	0.1	40									
1925-26		54	0	4.8	3480									
1926-27		56	0	6.6	4760									
1927-28		0	0	0	0									
1928-29		20	0	0.4	267									
1929-30		54	0	5.0	3640									
1930-31		42	0	1.5	1120									
1931-32		86	0	19.1	13840									
1932-33		69	0	8.7	6330									
1933-34		81	0	9.0	6540									
1934-35		82	0	24.2	17520									
1935-36		85	0	17.7	12930									
1936-37		88	0	42.3	30640									
1937-38		86	0	35.4	27780									
1938-39		80	0	33.4	24150									
1939-40		76	0	35.0	25380									
1940-41	144	77	0	31.5	22810									
1941-42	107	66	0	6.13	4430									
1942-43	142	69	0	14.8	10720									
1943-44	132	74	0	13.9	10100									
1944-45	131	75	0	37.8	27350									
1945-46	238	65	0	21.0	15230									
1946-47	238	69	0	14.7	10660									
1947-48	215	19.2	0	0.21	151									
1948-49	215	34.6	0	4.04	2920									
1949-50	222				0									
1950-51	222	22.6	0	7.74	5610									
1951-52		19.7	0	1.57	1140									
1952-53		56.8	0	3.47	2520									

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
SAN GABRIEL RIVER at Beverly Boulevard (Drainage Area - split) F263-R											
1928-29	71	93	0	3.94	2850	3	10	397			
1929-30	161	152	0	4.83	3490	1	11	728			
1930-31	217	106	0	3.44	2490	2	4	404			
1931-32	116	1620	0	18.0	13060	2	9	3830			
1932-33	221	286	0	4.20	3040	1	29	1450			
1933-34	221	5580	0	23.4	16950	1	1	22000			
1934-35	246	746	0	16.8	12190	10	17	5400			
1935-36	246	355	0	6.32	4590	2	12	3400			
1936-37	236	2440	0	47.3	*34240	2	14	6970			
1937-38	236	11400	0	131	94810	3	2	E22700	3	1	7920
1938-39	142	672	0	34.1	24620	9	25	2110			
1939-40	139	544	0	27.8	20180	2	1	2110			
1940-41	149	2700	0	139	100900	3	4	5830			
1941-42	111	149	0	39.5	28630	12	10	412			
1942-43	148	10500	0	289	209580	1	23	14810			
1943-44	139	5350	0	144	104200	2	22	14060			
1944-45	136	744	0	58.7	42520	11	12	4210			
1945-46	247	1660	0	47.5	34370	12	23	4660			
1946-47	247	2810	0	62.7	45420	12	30	3240			
1947-48	219	48	0	11.8	8590	2	6	84			
1948-49	219	77	0	8.94	6470	1	20	144			
1949-50	225	272	0	5.72	4130	2	6	845			
1950-51	225	78	0	0.77	558	1	30	27			
1951-52		2860	0	70.2	50900	1	16	14000			
1952-53		327	0	19.2	13880	12	2	1450			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
SAN GABRIEL RIVER at Florence Avenue (Drainage area - split) F262-R											
1933-34	225		0	*	*			N.O.			
1934-35	222	718	0	6.50	4700	10	17	5850			
1935-36	222	414	0	4.82	1750	2	12	3400			
1936-37	240			*	*			N.D.			
1937-38	240			**	**			N.D.			
1938-39	144	325	0	*2540	9	25	1380				
1939-40	141	271	0	1900	1	8	1150				
1940-41	151	2390	0	105	75780	3	4	5630			
1941-42	113	117	0	18.7	13570	12	10	413			
1942-43	150	9190	0	257	186420	1	23	14000			
1943-44	141	4860	0	110	79930	2	22	15960			
1944-45	138	806	0	36.1	26110	11	12	4020			
1945-46	250	1505	0	22.8	16480	12	23	4370			
1946-47	250	2880	0	38.2	27650	12	31	3640			
1947-48	223	0	0	0	0			0			
1948-49	223	0	0	0	0			0			
1949-50	228	0	0	0	0			0			
1950-51	228	0	0	0	0			0			
1951-52		3070	0	33.4	24250	1	16	8040			
1952-53		181	0	1.36	983	12	2	1270			

NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
SAN GABRIEL RIVER at Spring Street, Long Beach F142-R											
1927-28	86	0	0	0	0			0			
1928-29	188	0	0	0	0			0			
1929-30	160	0	0	0	0			0			
1930-31	216	0	0	0	0			0			
1931-32	118	1270	0	9.03	6560	2	9	4490			
1932-33	225	170	0	1.12	809	1	20	2250			
1933-34	225	4860	0	17.1	12370	1	1	15000			
1934-35	220	463	0	3.29	2380	10	17	3390			
1935-36	220	222	0	1.64	1190	2	12	1910			
1936-37	241	1850	0	18.7	13510	2	14	4560			
1937-38	241	14500	0	122	88020	3	2	E27000	3	1	7370
1938-39	146	265	0	1.50	1080	12	16	956	9	25	620
1939-40	143	1192	0	2.02	1460	2	3	1400			
1940-41	153	1710	0	91.0	65890	3	13	4830			
1941-42	115	148	0	15.0	10830	12	11	277			
1942-43	152	9570	0	280	175100	1	23	14600			
1943-44	143	5570	0	99.4	72200	2	22	15000			
1944-45	140	742	0	30.8	22280	2	2	1910			
1945-46	253	1460	0	17.4	12590	12	23	3300			
1946-47	253	2520	0	33.3	24100	1	1	2740			
1947-48	223	0	0	0	0			0			
1948-49	223	0	0	0	0			0			
1949-50	229	0	0	0	0			0			
1950-51	229	0	0	0	0			0			
1951-52		STATION OUT									
1952-53		101	0	0.30	220	12	2	301			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
SAN JOSE CREEK at Workman Mill Road (Drainage Area 85.0 square miles) F18-R											
1928-29	77	* 35	0		*310	3	10	* 77			
1929-30	212	100	0	1.13	821	1	15	284			
1930-31	282	92	0.08	0.73	831	2	4	323			
1931-32	120	547	0.06	5.55	4090	2	9	1540			
1932-33	228	192	0.01	1.47	1070	1	29	825			
1933-34	228	2950	0	10.5	7610	1	1	13100			
1934-35	249	441	+	5.33	3860	10	17	2450			
1935-36	249	225	0	1.92	1390	2	12	1010			
1936-37	244	1470	+	13.3	9600	2	14	4070			
1937-38	244	4380	0.4	21.3	15450	3	2	9350	3	1	2900
1938-39	148	499	0.3	4.76	3440	9	25	1950			
1939-40	145	245	0.2	4.15	3020	2	1	1570			
1940-41	156	1320	0.7	31.4	22730	2	28	2500			
1941-42	117	54	0.8	5.43	3930	12	10	180			
1942-43	154	2740	1.4	28.3	20470	1	23	8040			
1943-44	145	2090	1.4	16.4	11910	2	22	6000			
1944-45	142	238	2.0	9.67	7010	11	11	1480			
1945-46	255	386	1.6	7.94	5750	12	23	1390			
1946-47	255	250	1.2	7.04	5100	12	26	833			
1947-48	224	21	0.6	2.76	2000	12	6	160			
1948-49	224	35	0.2	1.68	1220	1	20	107			
1949-50	229	184	0.2	2.85	1920	2	5	747			
1950-51	229	21	+	1.20	851	1	29	97			
1951-52		1860	0.2	24.6	17870	1	18	4400			
1952-53		108	0.1	2.12	1530	12	2	960			

(24-YEAR MEAN DAILY 8.81)

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS
SANTA ANITA CREEK below Big Santa Anita Dam (Drainage Area 10.8 square miles) F119-R											
1927-28	34	9.5	0.02	1.61	1160	2	5	16			
1928-29	111	9.0	0.2	1.73	1260	9	11	10			
1929-30	17	3.6	0.2	1.33	964	4	12	3.6			
1930-31	28	8.5	0.2	1.60	1160	2	20	9.0			
1931-32	24	94	0.3	5.34	3890	12	28	112			
1932-33	52				*2020						
1933-34	52	373	0.1	3.87	2800	1	1	431			
1934-35	253	90	0.1	5.51	3990	2	16	53	2	20	53
1935-36	253	52	+	3.48	2530			N.D.			

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SANTA CLARA RIVER above Lang R.R. Station (Drainage Area 157.3 square miles) F93-R											
1949-50	238	5.2	0.8	1.54	1110	2	6	6.0			
1950-51	238	1.7	0.6	1.07	774	4	28	2.0			
1951-52		1280	0.5	29.3	21230	1	16	4200			
1952-53		9.0	1.2	3.11	2250	11	15	39			

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SANTA CLARA RIVER at Highway 99 (Drainage Area 410.4 square miles) F92B-R											
1929-30	219	83	0.2	1.10	793	3	15	193			
1930-31	290	291	0.1	2.61	1890	2	7	2310			
1931-32	122	739	0.1	5.89	4280	2	9	2090			
1932-33	233	90	0	0.67	488	1	19	618			
1933-34	233	448	0.01	2.21	1600	1	1	3870			
1934-35	259	82	+	1.51	1090	1	5	608			
1935-36	259	113	0	2.19	1590	2	23	833			
1936-37	254	471	0	6.69	4850	12	27	3410			
1937-38	254	6370	+	37.2	26900	3	2	E24000	3	1	1570
1938-39	151	E435	+	14.4	10410	12	15	4620	9	25	550
1939-40	148	79	0.3	2.16	1570	2	1	676			
1940-41	161	3450	0.3	57.1	41320	3	4	5050			
1941-42	120	167	0.6	32.8	23400	12	28	443			
1942-43	158	5420	1.4	65.2	47170	1	23	15000			
1943-44	149	9360	2.0	68.6	48770	2	22	22200			
1944-45	147	110	2.2	15.3	11050	2	2	317			
1945-46	264	194	0.4	8.90	6440	3	30	500			
1946-47	264	371	1.0	15.4	11150	12	26	1620			
1947-48	232	E33	0.8	3.12	2270	3	24	E350			
1948-49	232	4.9	0.4	1.80	1300	3	11	9.9			
1949-50	241	5.2	0.1	1.22	888	2	6	8.5			
1950-51	241	2.0	0.02	0.30	217	1	29	6.2			
1951-52		1620	0.02	23.1	16760	1	16	7600			
1952-53		43	0.1	0.83	592	12	1	N.O.			
(24-YEAR MEAN DAILY 15.4)											
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION											

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SANTA CLARA RIVER 1/2 Mile West of County Line (Drainage Area 643.72 square miles) F137-R											
1948-49	236	33	1.1	12.2	8800	1	20	40			
1949-50	244	30	0.7	9.27	6710	2	6	36			
1950-51	244	24	0.6	5.92	4280	1	10	33			
1951-52		INC.	INC.	INC.	INC.			NO RECORD			

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SAWPIT CREEK below Sawpit Dam (Drainage Area 3.3 square miles) F27B-R											
1941-42	122	1.3	0	0.04	30	3	14	2.6			
1942-43	160	E186	0	3.95	2860	1	23	284			
1943-44	151	50	0	0.92	666	2	22	67			
1944-45	148	8.0	0	0.40	290	11	12	18			
1945-46	267	21.0	0	0.20	169	12	23	36			
1946-47	267	18	0	0.45	329	12	26	26			
1947-48	238	0	0	0	0						
1948-49	238	7.2	0	.022	16	2	9	15			
1949-50	248	1.0	0	0.03	25	7	1	2.6			
1950-51	248	16	0	.044	32	1	15	46			
1951-52		42	0	1.49	1080	1	15	46			
1952-53		11.5	0	0.09	67	11	24	25			

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SAWPIT WASH above Arrow Highway (Drainage Area 6.7+ square miles) F194-R											
1932-33	237	7.5	0	0.04	26	1	19	22			
1933-34	237				**			N.D.			
1934-35	261	11	0	0.07	51	4	8	45			
STATION ABANDONED											

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SAWTELLE-WESTWOOD CHANNEL at Culver Boulevard (Drainage Area 22.96 square miles) F301-R											
1951-52		638	0.1	14.0	10180	1	16	4240			
1952-53		233	0.3	3.86	2790	11	15	3150			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SEPULVEDA CREEK at Charnock Road (Drainage Area 25.7 square miles) F185-R											
1932-33	238	255	0	3.01	2180	1	29	834			
1933-34	238	426	0	3.51	2540	12	31	1150			
1934-35	262	226	0	4.08	2950	4	8	1560			
1935-36	262	202	0	4.03	2920	2	12	1810			
1936-37	257		0					2	14		1980
1937-38	257		0					*	3	2	E3100
1938-39	153	256	0	2.99	2170	9	25	1080			
1939-40	150	291	0	3.83	2780	2	2	1890			
1940-41	163	373	+	13.0	9460	12	23	3010			
1941-42	123	177	0.1	2.75	1990	12	28	2200			
1942-43	163	740	+	6.30	4560	1	22	2220			
1943-44	154	295	0.1	5.55	4030	2	22	1940			
1944-45	150	170	0.3	3.97	2870	11	11	1460			
1945-46	272	434	+	5.15	3740	12	22	1900			
1946-47	272	328	0.2	5.88	4250	11	13	2110			
1947-48	240	118	+	2.50	1820	3	24	1710			
1948-49	240	99	+	3.33	2410	2	7	1530			
1949-50		290	+	3.53	2560	2	6	1470			
STATION DISCONTINUED											

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SIERRA MADRE WASH (formerly LITTLE SANTA ANITA CREEK) below Siera Madre Dam (Drainage Area 2.4 square miles) F67B-R											
1928-29	121		0		* 40	4	5	* 6.0			
1929-30	45	1.7	0	0.01	8.5	3	15	3.8			
1930-31	85	2.1	0	0.01	7.8	4	26	9.0			
1931-32	48	21	0	0.29	211	2	9	38			
1932-33	94	32	0	0.13	93	1	19	90			
1933-34	94	8.0	0	0.11	83	12	31	39			
1934-35	110		0	0.38	276	4	8	32			
1935-36	110	6.5	0	0.31	141	2	11	16			
1936-37	126	26	0	1.16	835	12	27	109			
1937-38	126	192	0	3.24	2350	3	2	E620	3	1	135
1938-39	85	8.0	0	0.09	65	12	18	132			
1939-40	84	10	0	0.26	190	1	8	84			
1940-41	80	42	0	2.77	2000	4	4	75			
1941-42	59	2.7	0	0.19	138	12	28	5.0			
1942-43	85	208	0	5.26	3810	1	23	533			
1943-44	74	51	+	1.04	755	2	22	69			
1944-45	73	13	0	0.17	123	11	11	56			
1945-46	132	21	0	0.24	172	12	23	60			
1946-47	132	21	0	0.62	446	11	13	55			
1947-48	118	1.6	0	0.01	7.2	4	28	11			
1948-49	118	0.1	0	+	0.2	3	11	1.6			
1949-50		6.9	0	0.07	51	11	10	36			
1950-51		0.5	0	.003	2.0	1	11	3.5			
1951-52		37	0	1.68	1215	1	16	65			
1952-53		2.8	0	0.04	29	12	1	41			
(24-YEAR MEAN DAILY 0.75)											
NOTE: STATION AT VARIOUS LOCATIONS - SEE STATION DESCRIPTION											

WATER YEAR ENDING SEPTEMBER 30						PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO.	DAY	FLOW C.F.S.	MO.	DAY	FLOW CFS
SIERRA											

YEARLY DISCHARGE SUMMARY

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	

SYCAMORE CANYON CHANNEL at Adams Square (Drainage Area 6.2 square miles) F41-R											
1927-28	94		0		*103	2	3	* 34			
1928-29	244	* 73	0	*	*253	11	14	904			
1929-30	291	51	0	0.49	353	5	3	51			
1930-31	304	14	0	0.26	190	2	3	212			
1931-32	127	35	0	0.84	811	11	27	191			
1932-33	242	46	0	0.39	283	1	19	401			
1933-34	242	366	0	2.46	1780	1	1	1130			
1934-35	266	65	0	1.53	* 1110	1	5	591			
1935-36	266	31	0			3	30	607			
1936-37	259	56	0		**1760	12	27	385			
1937-38	259					3	2	E2800	2	28	547
1938-39	156	68	0	1.37	992	1	5	314	9	25	314
1939-40	152	33	0	0.81	585	1	7	492			
1940-41	167	200	0	4.51	3260			N.D.			
1941-42	126	58	+	0.64	463	12	10	434			
1942-43	166	205	+	3.02	2180	1	22	757			
1943-44	158	152	0	1.99	1440	2	22	762			
1944-45	154	44	0	0.65	470	2	2	249			
1945-46	278	68	0.01	0.75	540	2	3	552			
1946-47	278	68	0	1.02	741	12	25	370			
1947-48	246	42	0	0.41	300	3	24	818			
1948-49	246	20	+	0.41	294	3	7	98	3	10	98
1949-50		36	+	0.58	420	2	6	205			
1950-51		12.7	0.01	.383	279	4	28	262			
1951-52		177	+	3.46	2510	1	16	1270			
1952-53		34	+	0.48	345	11	15	330			

YEARLY DISCHARGE SUMMARY

WATER YEAR ENDING SEPTEMBER 30							PEAK FLOWS					
YEAR	PAGE NO.	MAX. DAY-CFS	MIN. DAY-CFS	MEAN C.F.S.	RUNOFF A.F.	MO	DAY	FLOW C.F.S.	MO	DAY	FLOW CFS	

VERUGO CHANNEL at Estelle Avenue (Drainage Area 22.4 square miles) F262-R											
1928-29	232	* 15	0	*	*140	4	4	* 56			
1929-30	242	14	0	0.04	274	5	3	80			
1930-31	317	8.4	0.01	0.20	145	4	26	46			
1931-32	131	39	0.1	0.98	713	2	9	145			
1932-33	249	42	0.1	0.41	295	1	19	391			
1933-34	249			**				N.D.			
1934-35	273	*85	0		*620	1	5	*1020			
1935-36	273	33	0	0.64	463	3	30	*1100			
1936-37	264	0	0		*1580	12	27	768			
1937-38	264	1500	0	7.52	5450	3	2	E4400	2	28	1390
1938-39	159	78	0	1.98	1420	1	5	520	9	25	320
1939-40	157	60	+	1.97	1430	1	8	533			
1940-41	171	357	+	10.2	7370	2	19	1120			
1941-42	130	61	0.8	2.98	2160	12	10	440			
1942-43	171	1020	0.3	12.0	6690	11	23	3570			
1943-44	183	998	0.2	6.95	5040	2	22	3160			
1944-45	159	181	0.6	2.77	2010	2	2	1520			
1945-46	286	135	0.3	2.66	1930	12	22	816			
1946-47	286	234	0	2.68	1940	12	25	1860			
1947-48	253	41	0	0.53	382	3	24	573			
1948-49	253	35	0	0.60	433	12	16	202			
1949-50		69	0	0.88	638	2	6	467			
1950-51		41	0	0.51	363	1	11	360			
1951-52		422	0	7.75	5630	1	16	2820			
1952-53		100	0	1.34	968	11	15	1520			
(16-YEAR MEAN DAILY 3.95)											

THOMPSON CREEK SPREADING GROUNDS INTAKE at Thompson Creek Dam (Drainage Area 3.7 square miles) F278-R											
1940-41	188	11	0	0.48	345	4	1	19			
1941-42	127	+	0	+	VAR.	TIMES		+			
1942-43	167	14	0	0.44	317	2	24	21			
1943-44	159	2.6	0	0.05	37	2	26	3.8			
1944-45	155	1.2	0	0.03	18	3	26	2.3			
1945-46	281	2.4	0	.007	4.8	12	23	15.0			
1946-47	281										
1947-48	249										
1948-49	249										
1949-50											
1950-51											
1951-52		8.7	0	0.22	163	3	15	18.1			
1952-53					0						

WALNUT CREEK at Baldwin Park Avenue (Covina Boulevard) (Drainage Area 99.0 square miles) F47-R											
1928-29	38	* 55	0		* 112	3	10	* 302			
1929-30	247	87	0	0.72	526	1	11	900			
1930-31	322	25	0	0.29	210	2	4	123			
1931-32	133	365	0	3.88	2820	2	9	1780			
1932-33	252	129	0	0.73	530	1	19	748			
1933-34	252	1770	0	8.71	6310	1	1	8060			
1934-35	277	321	0	2.66	1920	10	17	2340			
1935-36	277	291	0	2.29	1670	2	12	2450			
1936-37	266	611	0	5.94	4300	2	6	1980			
1937-38	266	2580	0	17.4	12610	3	2	4290	3	9	3450
1938-39	161	146	0	1.40	1010	12	18	751	9	25	284
1939-40	158	173	0	1.27	923	1	7	1870			
1940-41	173	561	0	10.1	7300	3	13	2680			
1941-42	131	52	0	0.30	216	12	10	223			
1942-43	172	1190	0	14.0	10140	1	23	4380			
1943-44	164	1010	0	4.26	2930	2	22	4220			
1944-45	160	358	0	2.09	1510	11	11	3210			
1945-46	289	620	0	3.80	2750	12	23	2430			
1946-47	289	100	0	1.26	910	11	23	583			
1947-48	255	56	0	0.23	164	12	5	232			
1948-49	255	16	0	0.07	48	12	17	121			
1949-50		96	0	0.47	340	2	6	448			
1950-51		8.5	0	0.06	44	1	11	115			
1951-52		618	0	8.79	6370	1	16	3130			
STATION DISCONTINUED											

THOMPSON CREEK below Thompson Creek Dam (Drainage Area 3.7 square miles) F328-R											
1943-44	160										
1944-45	156										
1945-46	282										
1946-47	282										
1947-48	249										
1948-49	249										
1949-50											
1950-51											
1951-52		4.6	0	0.5	33.0	3	17	5.3			
1952-53					0						

WALNUT CREEK at Puente Avenue (Drainage Area 65.6 square miles) F304-R											
1952-53		47	0	0.40	292	12	1	713			

TOPANGA CREEK above Mouth of Canyon (Drainage Area 18.0 square miles) F54-R											
1929-30	237				*647	3	14	340			
1930-31	310	186	1.01	0.97	705	2	4	386			
1931-32	129	409	0.02	4.94	3590	2	8	1250			
1932-33	245	542	0.01	3.09	2240	1	19	1430			
1933-34	245	1590	0	8.87	6420	12	31	4510			
1934-35	270	130	+	1.88	1360	1	5	1200			
1935-36	279	77	+	2.05	1490	2	22	528			
1936-37	261	413	+	9.13	6620	3	15	1130			
1937-38	261	3270	+	21.2	15310	3	2	E9300	2	28	6630
1938-39	158			**				N.D.			
1939-40	155	183	+	2.86	2080	2	1	1280			
1940-41	169	E1100	+	26.2	18940	2	20	E8700			
1941-42	128	47	+	0.75	540	12	28	385			
1942-43	169	E1110	+	12.0	8720	1	22	2200			
1943-44	161	E1110	0.1	9.60	6970	2	22	5070			
1944-45	157	176	0.1	1.51	1090	2	2	964			
1945-46	283	182	0.02	1.93	1390	12	23	905			
1946-47	283	86	0.02	1.37	994	11	20	567			
1947-48	250	23	0	0.23	168	3	24	276			
1948-49	250	5.0	0.01	0.14	99.0	12	26	63			
1949-50		35	0.01	0.52	379	12	18	275			
1950-51		2.4	0.01	.102	74	1	11	21			
1951-52		1990	0	23.3	16900	1	15	6050			
1952-53		52	0.02	1.00	725	12	1	702			

* INDICATES RECORD INCOMPLETE.
 ** INDICATES RECORD NOT COMPUTED.
 E INDICATES ESTIMATED.
 N.D. INDICATES NOT DETERMINED DUE TO INSUFFICIENT DATA.
 + INDICATES 0.05 C.F.S. OR LESS.

DAM OPERATION RECORDS

DAMS, DEBRIS DAM AND DEBRIS BASINS

FOREWORD

The District operated and maintained fourteen dams, five debris dams and twenty-six debris basins during the 1951-52 and 1952-53 water years. The Los Angeles District and the Corps of Engineers, Department of the Army, operated and maintained Hansen Dam on the Tujunga Wash, Sepulveda Dam on the Los Angeles River, Santa Fe Dam on the San Gabriel River and the Rio Hondo, and Haines Debris Basin. Pertinent data relative to the District's flood control and water conservation dams, debris dams and debris basins are presented in the three following tabulations:

FLOOD CONTROL AND CONSERVATION DAMS

Dam	Date of Completion	Date of Original Storage	Original Storage at Spwy. A.F.	Date of Survey		Latest Storage at Spwy. A.F.	Drainage Area
				Original	Latest		
1. Pacoima	Feb. 1929	1919	6060	Dec. 1944		4714	28.2
2. Big Tujunga	July 1931	1928	6240	June 1944		4235	82.3
3. Devil's Gate	June 1929	1933	4601	July 1952		2636	31.9
4. Eaton Wash	Feb. 1937	Jan. 1936	956	Jan. 1952		703	9.5
5. Big Santa Anita	May 1927	1923	1376	Jan. 1947		728	10.8
6. Sawpit	June 1927	1923	476	Dec. 1943		322	3.3
7. Cogswell	Apr. 1934	Jan. 1936	12298	Sept. 1947		10634	39.2
8. San Gabriel	July 1939	1938 (1)	53344	Jan. 1953		43853	163.5 a/
9. Big Dalton	Aug. 1929	1935 (2)	1053	Sept. 1944		952	4.5
10. San Dimas	Sept. 1922	1919	1496	Nov. 1944		1042	16.2
11. Puddingstone Diversion b/	July 1928	1929	148	Feb. 1952		119	2.6
12. Puddingstone	Jan. 1928	1915	17398	Jan. 1941		17190	11.0 c/
13. Live Oak	Nov. 1922	1919	250	Nov. 1952		221	2.3
14. Thompson Creek	Mar. 1928	Oct. 1932	812	Jan. 1943		614 (3)	3.5

a/ Exclusive of drainage area above Cogswell Dam.

b/ Temporary storage - functions primarily to divert flow.

c/ Exclusive of drainage area above Live Oak, San Dimas and Puddingstone Div. Dams.

(1) Based on a partial survey prior to March 2, 1938 and extrapolations.

(2) 1935 is date of first complete survey; original reconnaissance survey was made in 1923. Earlier publications show storage based on volumetric computations with extrapolations based on the 1923 survey.

(3) Loss in storage due to lowering spillway lip in January 1942.

DEBRIS DAMS

Debris Dams	Date of Completion	Drainage Area in Sq.Mi.	Maximum	Capacity at	Approximate Debris	
			Debris Capacity Cu.Yds.	Beginning of 1952-53 Season	Deposition-Cu.Yds. 1951-52	1952-53
1. Sunset	Nov. 1929	0.44	17,500	12,600	3,405(6)	N
2. Verdugo	Mar. 1935	9.43(1)	151,700(2)	89,200	51,636(6)	10,575
3. Rubio	Apr. 1944	1.26	143,900	132,700	5,199	N
4. Sierra Madre	Feb. 1928	2.39	81,200(3)	63,600(3)	5,518(6)	N
5. Lower Big Dalton	1927	0.30	30,000(3)	Unknown	Indeterminate (7) N	
Totals		13.82	424,300			

DEBRIS BASINS

Debris Basins	Date of Completion	Drainage Area in Sq. Mi.	Maximum	Capacity at	Approximate Debris	
			Debris Capacity Cu. Yds.	Beginning of 1952-53 Season	1952-52	1952-53
1. Aliso-Wilbur	June 1942	8.63	50,300(2)	45,200	61,687	N
2. Van Alden	Apr. 1945	1.08	5,400	4,800	N	N
3. Nichols	Nov. 1937	0.94	32,200	25,900	20,405	N
4. Stough	Jan. 1941	1.65	103,700	98,600	16,665	N
5. Brand	Nov. 1935	1.03	72,500(2)	63,000	5,310	N
6. Scholl	Aug. 1945	0.66	30,900	27,200	3,092(6)	N
7. Cooks	Jan. 1952	0.58*	52,000	52,000(9)	20,600(10)	N
8. Dunsmuir	Oct. 1936	0.84*	122,200	110,600	11,025	N
9. Ward	Dec. 1944	0.64*	8,800(2)	7,300	12,190(6)	N
10. Shields	Jan. 1937	0.27*	46,600(2)	43,000	13,375	N
11. Eagle	Oct. 1936	0.61*	71,900	54,500	5,206	N
12. Pickens	Nov. 1935	1.84*	116,500(2)	75,300	13,366	N
13. Shover	Feb. 1937	0.23*	37,700(2)	20,100	2,834(6)	N
14. Halls	Nov. 1935	1.06*(4)	104,000(2)	62,300	21,886	N
15. Sparr	Feb. 1947	0.84	14,400(2)	12,200	4,934	N
16. Hay	Oct. 1936	0.20	39,800(2)	34,700	1,487	N
17. Paradise	June 1944(8)	0.47	14,100(2)	14,100	Indeterminate(7) N	
18. Gould	Dec. 1947	0.47	53,800	45,800	8,073	N
19. Lincoln	Jan. 1936	0.50	40,850(2)	40,850	4,348	N
20. West Ravine	Dec. 1935	0.25	49,600(2)	48,700	3,839	N

Debris Basins	Date of Completion	Drainage Area in Sq.Mi.	Maximum	Capacity at	Approximate Debris	
			Debris Capacity Cu. Yds.	Beginning of 1952-53 Season	Deposition-Cu.Yds. 1951-52	1952-53
21. Fern	Dec. 1935	0.30	32,900(2)	31,600	5,275	N
22. Fair Oaks	Dec. 1935	0.21	28,500(2)	28,000	3,088	N
23. Las Flores	Apr. 1936	0.45	61,600(2)	55,800	1,870	N
24. Altadena G.C.	Approx. 1915	0.65	13,000	13,000	Indeterminate (6)(7)	N
25. Baily	Aug. 1945	0.57	10,200	9,100	276(6)	N
26. Turnbull	Jan. 1953	0.99	26,700	26,700(9)		N
Totals		25.96	1,240,150	1,050,350		
Haines(5)	June 1938	1.53	158,600(2)	136,300	6,164	N

N Negligible

- (1) Excludes 6.07 square miles of drainage area controlled by debris basins designated by *.
- (2) Design capacity enlarged by cleanout.
- (3) Excludes debris capacity above spillway elevation.
- (4) Includes Webber Canyon.
- (5) Owned and operated by Corps of Engineers, Department of the Army.
- (6) Does not include an unknown amount of fine debris which passes through ports, notch or other outlet.
- (7) Amount of debris production indeterminate due to insufficient data.
- (8) Basin reconstructed in 1951-52. Work completed in March 1952.
- (9) Capacity after completion of basin.
- (10) Estimated deposition based on load count during excavation of basin.

PURPOSE

Dams of the Los Angeles County Flood Control District serve two purposes, the primary purpose being flood control, the secondary, conservation. Debris dams and debris basins serve primarily for the purpose of controlling detritus from their respective drainage areas.

OPERATION

The major portion of available storage is kept in reserve during the winter season to enable the District to store or detain peak flood flows until valley runoff has receded sufficiently to allow the discharging of storm waters from the mountains. Proper flood control operation precludes any appreciable period of conservation storage during the storm season, as flood control demands that a maximum amount of storage capacity be kept in reserve. Conservation of flood waters by percolation in natural channels and off-channel spreading grounds is accomplished by regulated releases of storm waters.

The conservation of inflows by sustained storage is usually commenced when the threat of the winter flood season is reasonably passed. The stored water is then released in such a manner as to be used directly for irrigation or percolated to the ground water supply.

Reclaiming of available storage capacity is effected by sluicing from the District reservoirs to the limit of available and safe channel capacity below the dams when runoff and storage conditions permit.

The following tabulation shows the amount of debris removed from dams by sluicing and excavation during the 1951-52 and 1952-53 seasons:

Dams	1951-52	1952-53
Devil's Gate	403,000 ^{1/} 77,111 ^{2/}	49,255 ^{2/}
San Gabriel		322,700 ^{1/}
Puddingstone Diversion		39,764 ^{2/}
Eaton Wash	7,111 ^{2/}	
Santa Anita	21,900 ^{1/}	
Sierra Madre		12,551 ^{2/}

RECORDS

The daily storage and flow records at fourteen of the District dams are summarized on the Dam Operation Record sheets. The sheets show:

- ^{1/} By sluicing.
^{2/} By excavation.

1. Reservoir water surface elevations based on the United States Geological Survey datum used for the design and construction of the dam. Water stage recorder graphs or interpolation from staff gage readings are obtained and recorded as of midnight of each day.

2. Storage in acre-feet based on topographic surveys taken following important changes in reservoir beds. These changes consist primarily of debris inflow during large storms and debris removal by sluicing or mechanical means.

3. Inflows in cubic feet per second are usually calculated from storage change and known outflow. When outflow is not known, the inflow may be determined from gaging station records or interpolated between measurements.

4. Outflows in cubic feet per second are mean daily valve and/or spillway discharge. These are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.

5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams were attributable to percolation and evaporation losses and are shown as total monthly and yearly losses for Cogswell and San Gabriel Reservoirs. Total monthly evaporation losses are shown as determined from measurements made on floating evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

Accuracy of the flow records computed from storage records is dependent on the frequency with which storage data are revised to keep in step with physical change in reservoirs. Percentage of error is in direct proportion to the error in water surface areas through the range at which the flows were computed; normally, the error is small.

COMPLETE ANNUAL RESERVOIR OPERATION SUMMARY

A summary table showing total annual inflow, outflow, storages and extremes for each of the fourteen District dams for each year of record is included in this report on page 420.

RESPONSIBILITY

The compilation of the records and assembly for publication during 1951-52 and 1952-53 was under the immediate supervision of R.E. Lindsay, assisted by G.P. Brown and J.H. Lang.

Office work was under the direction of W.J. Wood, Assistant Chief, Hydraulic Division.

Determination of storage and releases during both floods and normal or percolation flows for channels and spreading grounds, drawdown for sluicing operations, channel capacities and conditions, measuring inflows and outflows, and notification of parties affected by releases was under the direction of Finley B. Laverty, Chief, Hydraulic Division.

The operation and maintenance, such as mechanical operation of valves, maintenance and construction of various structures for dams, debris basins and spreading grounds, and access thereto, was under the supervision of R.D. Reeve, Chief, Operation and Maintenance Division.

F. C. Dist. Form 88A Revised 500 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PACOMA</u> Dam																	
In <u>Pacoma Canyon</u> for the Year Ending September 30, 1952.																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>28.2</u> Square Miles. Capacity of Reservoir <u>4714.4</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>December</u> 19 <u>44</u> Survey Gage Heights <u>Read Daily</u>																	
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1805.7	110.1	0.1	3.8	1792.3	34.4	0.2	0	1795.0	44.7	0.1	0	1825.6	305.4	31.7	0	
2	1804.6	101.8	0.1	4.3	1792.4	34.7	0.2	0	1795.1	45.2	0.1	0	1828.6	346.8	20.3	0	
3	1803.2	91.7	0.1	5.1	1792.5	35.1	0.2	0	1795.1	45.2	0.1	0	1830.8	377.8	15.7	0	
4	1801.8	82.2	0.1	5.1	1792.6	35.4	0.2	0	1795.2	45.6	0.2	0	1832.5	402.8	12.6	0	
5	1800.2	71.9	0.1	5.2	1792.7	35.8	0.2	0	1795.4	46.5	0.2	0	1834.0	425.5	11.4	0	
6	1798.4	61.4	0.1	5.2	1792.8	36.1	0.2	0	1795.5	47.0	0.2	0	1835.3	445.6	10.1	0	
7	1796.3	50.6	0.1	5.2	1792.9	36.5	0.2	0	1795.5	47.0	0.2	0	1837.2	475.9	15.3	0	
8	1793.8	39.8	0.1	5.0	1792.9	36.5	0.2	0	1795.5	47.0	0.2	0	1838.4	495.5	9.9	0	
9	1790.4	28.4	0.1	5.4	1793.0	36.8	0.2	0	1795.6	47.4	0.2	0	1839.5	513.9	9.3	0	
10	1789.0	24.7	0.1	2.5	1793.1	37.2	0.1	0	1795.6	47.4	0.2	0	1840.4	529.1	7.6	0	
11	1789.2	25.2	0.1	0	1793.2	37.6	0.1	0	1795.8	48.3	0.2	0	1841.3	544.6	7.9	0	
12	1789.4	25.7	0.1	0	1793.3	37.9	0.1	0	1796.0	49.2	0.2	0	1843.7	586.9	21.3	0	
13	1789.6	26.3	0.1	0	1793.3	38.3	0.1	0	1796.0	49.2	0.2	0	1848.4	674.7	123.2	7.9	
14	1789.7	26.5	0.2	0	1793.4	38.3	0.1	0	1796.1	49.7	0.2	0	1840.0	522.3	66.2	14.3	
15	1789.8	26.8	0.2	0	1793.5	38.7	0.1	0	1796.1	49.7	0.2	0	1842.1	558.6	129.3	11.1	
16	1790.0	27.3	0.2	0	1793.5	38.7	0.1	0	1796.2	50.2	0.2	0	1889.8	1758.9	681.2	7.6	
17	1790.2	27.9	0.2	0	1793.6	39.1	0.1	0	1796.2	50.2	0.2	0	1901.2	2181.3	322.9	11.0	
18	1790.4	28.4	0.2	0	1793.7	39.5	0.1	0	1796.2	50.2	0.2	0	1911.0	2593.0	623.6	41.6	
19	1790.5	28.7	0.2	0	1793.9	40.2	0.1	0	1796.3	50.6	0.2	0	1912.1	2642.2	278.8	25.9	
20	1790.6	29.0	0.2	0	1794.1	41.0	0.2	0	1796.4	51.1	0.2	0	1906.3	2389.9	186.8	31.4	
21	1790.7	29.3	0.2	0	1794.2	41.4	0.2	0	1796.4	51.1	0.1	0	1897.3	2030.3	137.7	31.9	
22	1790.9	29.8	0.2	0	1794.3	41.8	0.2	0	1796.5	51.6	0.1	0	1898.5	1713.9	110.5	27.0	
23	1791.1	30.4	0.2	0	1794.4	42.2	0.2	0	1796.5	51.6	0.1	0	1898.8	1446.4	67.9	22.3	
24	1791.3	31.1	0.2	0	1794.4	42.2	0.2	0	1796.6	52.1	0.1	0	1871.1	1192.2	69.1	17.7	
25	1791.5	31.7	0.2	0	1794.5	42.7	0.2	0	1796.6	52.1	0.1	0	1871.5	1202.6	69.2	4.4	
26	1791.7	32.3	0.2	0	1794.6	43.1	0.2	0	1796.7	52.6	0.1	0	1871.5	1202.6	59.0	5.9	
27	1791.8	32.7	0.2	0	1794.6	43.1	0.2	0	1796.7	52.6	0.1	0	1870.3	1171.5	50.3	6.6	
28	1791.9	33.0	0.2	0	1794.7	43.5	0.2	0	1796.8	53.0	0.2	0	1869.1	1140.8	49.5	6.5	
29	1792.0	33.3	0.2	0	1794.8	43.9	0.2	0	1796.9	53.7	2.9	0	1868.0	1112.8	46.9	6.1	
30	1792.1	33.7	0.2	0	1794.8	43.9	0.2	0	1805.3	107.1	24.4	0	1866.3	1070.1	41.5	6.3	
31	1792.2	34.0	0.2	0	1794.8	43.9	0.2	0	1820.5	243.6*	68.8	0	1863.1	922.0	54.6	7.4	
TOTAL							5.0	0			100.7				321.3	2944.0	
Inf. Ac. Ft.			9.7				9.9				199.7				6587.7	6807.0	
Outf. Ac. Ft.				92.8				0				0			5839.3	5922.1	
Maximum Mean Daily Inflow			0.2				0.2				68.8				681.2	681.2	
Minimum Mean Daily Inflow			0.1				0.1				0.1				7.6	0.1	
Storage Change		-83.2				+9.9				+199.7				+748.4		+874.8	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1927.0	feet	on	6/18/52	Storage	3374	Acres Feet	
Min. W. S. Elev.	1789.0	feet	on	10/10/51	Storage	24.7	Acres Feet	
Max. Peak Inflow	1290.	C.F.S.	from	2:00 A.M. on	1/16/52	to	3:00 A.M. on	1/16/52
Max. Peak Outflow	634.	C.F.S.	from	10:00 A.M. on	1/18/52	to	10:40 A.M. on	1/18/52

REMARKS: * Storage based on Table VII plus 8.8 A.F. additional area below Elev. 1770.
* Discontinued adding 8.8 A.F. to Storage Table
(Indicates Average for Period.

F. C. Dist. Form 88B Revised 500 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PACOMA</u> Dam																	
In <u>Pacoma Canyon</u> for the Year Ending September 30, 1952.																	
Continuous Water Stage Recorder <u>AU</u>																	
Drainage Area <u>28.2</u> Square Miles. Capacity of Reservoir <u>4714.4</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>December</u> 19 <u>44</u> Survey Gage Heights <u>Read Daily</u>																	
Day	FEBRUARY				MARCH				APRIL				MAY				
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1857.9	872.7	34.9	95	1868.9	1135.7	18.0	11.6	1884.1	1566.9	68.7	72	1909.9	2544.5	21.9	0	
2	1857.2	857.3	33.2	41	1869.0	1138.2	12.9	11.6	1883.7	1554.9	65.7	72	1910.8	2584.2	20.0	0	
3	1859.8	915.4	29.3	+	1869.0	1138.2	11.6	11.6	1882.8	1525.3	57.5	72	1911.7	2624.3	20.3	0	
4	1862.0	966.0	25.5		1869.0	1138.2	11.6	11.6	1881.7	1490.8	53.7	71	1912.5	2660.3	19.0	0	
5	1864.1	1016.0	25.2		1869.1	1140.8	12.8	11.6	1880.0	1451.0	50.9	71	1913.3	2696.5	17.4	0	
6	1866.0	1062.6	23.5		1869.2	1143.3	12.9	11.6	1878.7	1400.6	44.6	70	1914.0	2728.5	16.5	0	
7	1867.8	1107.8	22.6		1873.7	1260.9	9.2	3.3	1877.9	1377.4	50.3	62	1914.7	2760.8	16.4	0	
8	1869.5	1151.0	21.8		1871.5	1202.6	5.6	8.6	1876.1	1326.4	52.3	78	1915.5	2798.2	16.4	0	
9	1871.1	1192.2	20.7		1867.8	1107.8	3.2	8.7	1873.6	1258.2	42.6	77	1916.2	2831.1	16.4	0	
10	1872.5	1228.9	18.5		1865.8	1097.7	5.8	8.3	1875.1	1298.9	47.5	27	1916.8	2859.5	16.4	0	
11	1874.0	1268.9	20.2		1862.5	977.8	68.7	10.9	1878.0	1380.2	41.0	0	1917.6	2893.0	14.2	0	
12	1875.3	1304.4	17.9		1859.7	913.1	63.4	9.6	1880.7	1460.1	40.3	0	1918.0	2916.9	14.2	0	
13	1876.5	1337.7	16.8		1856.9	850.7	60.5	9.2	1883.1	1534.8	37.6	0	1918.6	2946.1	14.2	0	
14	1877.6	1368.8	15.7		1862.2	970.7	60.5	+	1885.3	1606.0	35.9	0	1919.2	2975.3	14.1	0	
15	1878.7	1400.6	16.0		1877.4	1363.1	197.9	+	1887.3	1672.9	33.8	0	1919.7	2999.9	14.1	0	
16	1879.8	1433.0	16.3		1885.5	1612.7	258.8	133	1889.2	1738.1	32.8	0	1920.2	3024.7	12.2	0	
17	1880.8	1463.1	15.2		1888.7	1720.8	195.5	141	1890.9	1797.6	30.0	0	1920.7	3049.6	12.1	0	
18	1881.8	1493.9	15.5		1890.2	1772.9	168.3	142	1892.5	1854.4	28.7	0	1921.2	3074.6	12.1	0	
19	1877.7	1371.7	13.4	7.5	1890.7	1790.5	151.8	143	1894.2	1915.6	30.8	0	1921.6	3094.7	12.1	0	
20	1871.6	1205.3	12.1	9.6	1890.1	1769.4	133.4	144	1895.7	1970.5	27.7	0	1922.1	3120.0	12.1	0	
21	1868.6	1135.7	13.9	4.9	1888.4	1710.5	113.3	143	1897.1	2022.7	26.3	0	1922.5	3140.4	11.9	0	
22	1868.5	1125.5	13.6	18.7	1886.1	1632.6	102.7	142	1898.5	2076.0	26.9	0	1922.9	3160.7	9.8	0	
23	1868.5	1125.5	11.6	11.6	1883.3	1541.2	93.9	140	1899.7	2122.3	23.3	0	1923.3	3181.3	9.8	0	
24	1868.5	1125.5	11.6	11.6	1882.0	1500.1	88.3	10.9	1900.8	2165.4	21.8	0	1923.6	3196.7	9.8	0	
25	1868.5	1125.5	11.6	11.6	1882.6	1519.0	96.6	8.7	1902.5	2233.3	34.2	0	1924.0	3217.3	9.8	0	
26	1868.4	1123.0	10.3	11.6	1883.4	1544.4	99.8	8.7	1904.0	2294.1	30.7	0	1924.3	3232.9	8.0	0	
27	1868.4	1123.0	11.6	11.6	1884.1	1566.9	99.3	8.8	1905.3	2348.0	27.1	0	1924.6	3248.5	8.0	0	
28	1868.3	1120.4	10.3	11.6	1884.5	1579.9	94.6	8.8	1906.6	2402.6	27.6	0	1924.9	3264.1	7.9	0	
29	1868.4	1123.0	12.9	11.6	1884.6	1583.1	89.6	8.8	1907.8	2453.7	25.7	0	1925.2	3279.8	7.9	0	
30					1884.4	1576.6	84.7	8.8	1908.9	2501.0	23.9	0	1925.4	3290.3	7.9	3.3	
31					1884.3	1573.4	76.4	7.8					1925.5	3295.5	7.9	4.8	
TOTAL		521.9	455.9			2723.7	2496.6				1139.7	1672.0			408.7	8.1	
Inf. Ac. Ft.		1035.2				5402.4					2260.6				810.6	16315.8	
Out																	

F. C. Dist. Form 880 Revised 9-68 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>PACOIMA</u> Dam																
In <u>Pacoima Canyon</u> for the Year Ending September 30, 19 <u>52</u>																
Continuous Water Stage Recorder <u>AU</u>																
Drainage Area <u>28.2</u> Square Miles. Capacity of Reservoir <u>4714.4</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>December</u> , 19 <u>51</u> Gage Heights <u>Read Daily</u>																
Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1925.7	3306.0	7.7	4.8	1926.8	3365.9	3.3	4.8	1923.5	3196.7	0.6	5.2	1917.6	2897.7	0.1	5.4
2	1925.8	3311.2	7.7	4.8	1926.8	3365.9	3.3	4.8	1923.4	3186.4	0.5	5.2	1917.4	2888.2	0.1	5.4
3	1926.0	3321.7	7.7	4.8	1926.7	3358.7	3.3	4.8	1923.2	3176.1	0.5	5.2	1917.2	2878.6	0.1	5.4
4	1926.1	3327.0	7.7	4.8	1926.6	3353.4	3.3	5.0	1923.0	3165.8	0.5	5.2	1917.0	2869.0	0.1	5.4
5	1926.2	3332.3	7.6	4.9	1926.5	3348.1	3.2	5.0	1922.9	3160.7	0.5	5.1	1916.7	2854.8	0.1	5.4
6	1926.3	3337.5	7.6	5.2	1926.4	3342.8	1.8	4.7	1922.7	3150.5	0.4	5.1	1916.4	2840.6	0	5.5
7	1926.4	3342.8	7.6	5.2	1926.3	3337.5	1.8	4.6	1922.5	3140.4	0.4	5.0	1916.2	2831.1	0	5.5
8	1926.5	3348.1	7.6	5.2	1926.2	3332.3	1.7	4.5	1922.3	3130.2	0.3	5.0	1916.0	2821.6	0	5.4
9	1926.6	3353.4	7.6	5.1	1926.1	3327.0	1.7	4.2	1922.0	3120.1	0.3	4.9	1915.7	2807.3	0	5.4
10	1926.7	3358.7	7.6	5.0	1926.0	3321.7	1.7	4.0	1921.8	3114.9	0.3	4.8	1915.5	2798.2	0	5.3
11	1926.8	3363.9	7.6	5.0	1925.9	3316.5	1.4	4.0	1921.6	3104.8	0.2	4.9	1915.3	2774.7	0	5.4
12	1926.8	3363.9	7.6	5.0	1925.9	3316.5	1.4	4.0	1921.4	3094.7	0.2	5.1	1914.8	2758.5	0	5.4
13	1926.9	3369.2	7.6	4.8	1925.7	3306.0	1.4	4.0	1921.4	3084.7	0.2	5.3	1914.8	2758.5	0	5.4
14	1926.9	3369.2	7.6	5.0	1925.5	3300.7	1.3	4.0	1921.2	3074.6	0.2	5.2	1914.6	2758.2	0	5.4
15	1927.0	3374.5	7.6	5.0	1925.5	3295.5	1.3	4.0	1921.0	3064.5	0.2	5.2	1914.3	2742.4	0	5.4
16	1927.0	3374.5	4.7	4.9	1925.4	3290.3	1.1	3.9	1920.8	3054.5	0.2	5.2	1914.1	2733.1	0	5.3
17	1927.0	3374.5	4.7	5.0	1925.3	3285.0	1.1	3.7	1920.6	3044.6	0.2	5.2	1913.8	2719.4	0	5.3
18	1927.0	3374.5	4.7	5.2	1925.2	3279.8	1.1	3.7	1920.4	3034.6	0.2	5.2	1913.6	2710.2	0	5.4
19	1927.0	3374.5	4.7	5.2	1925.1	3274.5	1.1	3.7	1920.2	3024.7	0.2	5.2	1913.4	2701.1	0	5.5
20	1926.9	3369.2	4.7	5.2	1925.0	3269.3	1.1	3.7	1920.0	3014.7	0.2	5.2	1913.2	2691.9	0	5.5
21	1926.8	3363.9	4.7	5.1	1924.9	3264.1	1.1	3.7	1919.8	3004.9	0.2	5.2	1912.9	2682.8	0	5.5
22	1926.8	3363.9	4.7	5.1	1924.8	3258.9	1.1	3.7	1919.6	2995.0	0.2	5.2	1912.7	2673.3	0	5.5
23	1926.8	3363.9	4.6	5.1	1924.7	3253.7	1.1	3.7	1919.4	2985.2	0.2	5.2	1912.5	2663.7	0	5.5
24	1926.8	3363.9	4.6	5.1	1924.6	3248.5	1.1	3.7	1919.3	2975.3	0.2	5.2	1912.2	2654.7	0	5.4
25	1926.8	3363.9	4.6	4.8	1924.5	3243.3	1.0	3.7	1919.1	2970.4	0.2	5.2	1912.0	2645.7	0	5.4
26	1926.8	3363.9	4.6	4.8	1924.4	3238.2	0.8	3.7	1918.9	2960.6	0.2	5.2	1911.8	2636.8	0	5.4
27	1926.8	3363.9	4.6	4.7	1924.3	3233.0	0.8	3.7	1918.7	2950.9	0.2	5.2	1911.5	2627.4	0	5.4
28	1926.8	3363.9	4.6	4.9	1924.1	3228.5	0.8	3.7	1918.4	2941.3	0.2	5.2	1911.3	2618.4	0	5.4
29	1926.8	3363.9	4.6	5.0	1924.0	3223.3	0.8	3.7	1918.3	2931.5	0.2	5.2	1911.1	2609.5	0	5.4
30	1926.8	3363.9	4.6	4.9	1923.9	3218.2	0.8	3.7	1918.0	2921.9	0.2	5.1	1910.8	2600.2	0	5.3
31	1926.8	3363.9	4.6	4.9	1923.8	3213.0	0.8	4.6	1917.8	2912.3	0.2	5.3	1910.8	2594.2	0	5.3
TOTAL		184.2	149.7			47.6	126.7			16.9	159.6			0.5	162.6	
Inf. Ac. Ft.		363.4				94.4				316.6				1.0	16,723.5	
Out. Ac. Ft.			296.9				251.3							322.5	(1.6)	14,324.6(1.6)
Max. Daily Inflow			7.7				3.3			0.6				0.1	681.2	
Min. Daily Inflow			4.6				0.8			0.2				0	0	
Storage Change		+ 68.4				-156.9				-29.7				-323.3		+ 2,467.0
NOTE: Gage Heights and Storages as of Midnight on Day Shown																
Max. W. S. Elev.	1927.0	feet	on	6/18/52	Storage	3374	Acres		RECORDS COLLECTED BY				COMPUTATIONS			
Min. W. S. Elev.	1789.0	feet	on	10/10/51	Storage	24.7	Acres		E. K. BARR				Gage Hts. copied J.H. HW			
Max. Peak Inf.	1260	C.F.S. from	2:00 A.M.	on	1/16/52	to	3:00 A.M.	on	L. J. TURNER				Storage applied J.H. HW			
Max. Peak Outf.	634	C.F.S. from	10:00 A.M.	on	1/18/52	to	10:40 A.M.	on					Inf. & Outf. comp. J.H. HW			
REMARKS																
() Indicates Average for Period.																
() Indicates Evaporation Losses.																

F. C. Dist. Form 880 Revised 9-68 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>PACOIMA</u> Dam																
In <u>Pacoima Canyon</u> for the Year Ending September 30, 19 <u>53</u>																
Continuous Water Stage Recorder <u>AU</u>																
Drainage Area <u>28.2</u> Square Miles. Capacity of Reservoir <u>4714.4</u> Ac. Ft. at Spillway Elev. <u>1950.0</u> Ft. as of <u>December</u> , 19 <u>51</u> Survey Gage Heights <u>Read daily</u>																
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1910.6	2375.4	0	5.3	1903.6	2277.8	0.1	4.5	1802.3	76.7	5.3	0	1831.9	260.1	6.6	0
2	1910.2	2366.8	0	5.3	1903.3	2265.6	0.1	4.5	1802.9	80.8	2.1	0	1832.8	271.1	5.5	0
3	1910.1	2353.3	0	5.3	1903.1	2257.5	0.1	4.5	1803.3	83.6	1.4	0	1823.7	282.2	5.6	0
4	1909.9	2344.5	0	5.3	1902.9	2249.4	0.1	4.5	1803.7	86.5	1.4	0	1824.4	291.0	4.4	0
5	1909.7	2335.8	0	5.3	1902.7	2241.3	0.1	4.5	1804.1	89.3	1.4	0	1825.2	301.2	5.2	0
6	1909.4	2322.7	0	5.3	1902.5	2233.3	0.1	4.5	1804.5	92.3	1.6	0	1826.1	312.9	5.9	0
7	1909.2	2314.0	0	5.3	1902.3	2225.2	0.2	4.5	1805.0	96.0	1.8	0	1827.2	327.6	7.4	0
8	1908.9	2301.0	0	5.3	1902.1	2217.1	0.5	4.5	1805.4	99.0	1.5	0	1828.4	344.0	8.3	0
9	1908.7	2292.4	0	5.3	1901.9	2209.1	0.4	4.5	1805.8	102.1	1.5	0	1829.6	360.7	8.4	0
10	1908.4	2279.4	0	5.3	1901.7	2201.2	0.5	4.5	1806.3	106.0	1.5	0	1830.5	373.5	6.4	0
11	1908.2	2270.8	0.1	5.2	1901.5	2193.2	0.5	4.5	1806.7	109.2	1.6	0	1831.3	386.1	5.9	0
12	1908.0	2262.2	0.1	5.2	1901.3	2185.2	0.5	4.5	1807.0	111.6	1.5	0	1832.1	396.8	5.9	0
13	1907.7	2249.4	0.1	5.2	1901.1	2177.3	0.5	4.5	1807.3	114.1	1.5	0	1833.0	410.3	6.8	0
14	1907.5	2240.9	0.1	5.0	1901.1	2177.3	4.5	4.5	1807.7	117.3	1.5	0	1833.9	424.0	6.9	0
15	1907.3	2232.3	0.1	4.9	1901.3	2185.2	8.5	4.5	1808.0	119.8	1.5	0	1834.6	434.7	6.3	0
16	1907.0	2219.5	0.1	4.9	1901.2	2181.3	2.4	4.4	1808.2	121.5	1.4	0	1835.4	447.2	5.4	0
17	1906.8	2211.0	0.1	4.8	1896.5	2000.3	1.2	9.3	1808.5	124.0	1.4	0	1836.0	456.6	4.7	0
18	1906.6	2202.6	0.1	4.8	1897.8	1689.9	1.2	15.7	1808.9	127.4	1.4	0	1836.6	466.2	4.6	0
19	1906.4	2194.1	0.1	4.8	1878.4	1391.8	1.2	35.0	1809.3	130.8	1.4	0	1837.2	475.9	4.6	0
20	1906.2	2185.7	0.1	4.7	1859.0	1138.2	1.2	34.0	1810.5	144.4	5.3	0	1837.7	484.0	4.6	0
21	1906.0	2177.2	0.1	4.7	1847.3	859.8	1.2	13.5	1811.8	150.5	4.7	0	1838.2	492.2	4.2	0
22	1905.7	2168.7	0.1	4.7	1844.1	594.0	1.2	12.2	1812.5	159.8	4.7	0	1838.6	498.9	3.4	0
23	1905.5	2160.4	0.1	4.5	1830.0	366.3	1.2	11.3	1813.5	169.4	4.7	0	1839.0	505.5	3.4	0
24	1905.3	2148.0	0.1	4.5	1810.9	145.0	1.2	10.8	1814.3	177.2	4.0	0	1839.4	512.2	3.3	0
25	1905.1	2139.7	0.1	4.5	1802.1	75.4	1.2	37.1	1815.1	185.1	3.9	0	1839.8	518.9	3.3	0
26	1904.9	2131.4	0.1	4.5	1802.5	78.1	1.2	0	1815.8	192.3	3.7	0	1840.1	524.0	2.7	0
27	1904.7	2123.1	0.1	4.5	1802.9	80.8	1.2	0	1816.5	199.5	3.6	0	1840.2	525.7	2.7	2.2
28	1904.5	2114.8	0.1	4.5	1799.5	59.0	1.2	12.8	1817.5	210.1	5.4	0	1840.1	524.0	2.7	3.3
29	1904.2	2102.4	0.1	4.5	1800.0	61.9	1.2	0	1818.4	219.8	4.8	0	1840.0	522.3	2.7	3.3
30	1904.0	2094.1	0.1	4.5	1800.7	66.2	2.2	0	1819.5							

P. C. Dist. Form 885 Revised 8/20 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOMA Dam
In Pacoma Canyon for the Year Ending September 30, 1953
Continuous Water Stage Recorder AU
Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read daily.

Day	FEBRUARY				MARCH				APRIL				MAY				ft
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1839.9	520.6	2.4	3.2	1835.6	450.2	3.2	0	1832.7	405.8	1.4	0	1832.8	407.3	1.0	5.5	
2	1839.8	518.9	2.4	3.1	1835.4	447.2	2.3	3.9	1832.6	407.3	1.4	0	1832.2	398.3	1.0	5.9	
3	1839.7	517.3	2.4	3.0	1835.0	440.9	1.7	4.8	1833.0	410.3	1.4	0	1831.5	388.0	1.0	5.8	
4	1839.6	515.6	2.4	2.7	1834.6	434.7	1.7	4.8	1833.2	413.5	1.4	0	1830.9	379.3	0.9	5.2	
5	1839.5	513.6	2.4	2.5	1834.3	430.1	1.7	4.2	1833.4	416.4	1.3	0	1830.4	372.1	0.9	4.7	
6	1839.5	513.6	2.1	2.5	1834.0	425.5	1.7	4.2	1833.6	419.4	1.3	0	1829.5	364.9	0.8	4.9	
7	1839.4	512.2	2.0	3.1	1833.5	417.9	1.7	4.9	1833.7	420.9	1.2	0	1829.4	355.1	0.8	5.2	
8	1839.3	510.5	2.0	3.0	1833.1	411.8	1.6	5.0	1833.9	424.0	1.2	0	1828.6	346.6	0.7	5.0	
9	1839.2	508.9	2.0	2.8	1832.6	404.3	1.6	5.0	1834.1	427.0	1.2	0	1828.4	344.0	0.7	2.3	
10	1839.1	507.2	2.0	2.6	1832.3	399.8	1.6	4.1	1834.2	428.6	1.2	0	1828.1	339.9	0.7	2.6	
11	1839.0	505.5	1.7	2.5	1831.8	392.4	1.6	5.3	1834.3	430.1	1.1	0	1827.4	330.3	0.7	4.8	
12	1838.9	503.8	1.7	2.5	1831.3	385.1	1.6	5.2	1834.5	433.2	1.1	0	1826.8	322.2	0.7	4.7	
13	1838.8	502.2	1.7	2.5	1830.9	379.3	1.6	4.9	1834.6	434.7	1.1	0	1826.2	314.3	0.6	4.9	
14	1838.8	502.2	1.7	2.4	1830.4	372.1	1.6	4.9	1834.8	437.8	1.1	0	1825.5	305.1	0.6	5.0	
15	1838.5	497.2	1.7	3.6	1829.9	364.9	1.6	4.8	1834.9	439.4	1.1	0	1824.8	296.1	0.6	4.7	
16	1838.2	492.2	1.7	4.5	1829.5	359.3	1.6	4.6	1835.0	440.9	1.0	0	1824.4	288.4	0.6	4.8	
17	1837.9	487.3	1.7	4.4	1829.4	357.9	1.6	2.4	1835.1	442.5	1.0	0	1823.6	280.9	0.6	4.6	
18	1837.5	480.6	1.7	4.5	1829.4	357.9	1.6	1.0	1835.3	445.6	1.0	0	1823.0	273.5	0.6	4.5	
19	1837.1	474.2	1.7	4.5	1829.6	360.7	1.6	0.9	1835.4	447.2	0.9	0	1822.4	266.2	0.6	4.4	
20	1836.8	469.4	1.6	4.5	1830.0	366.3	1.5	0.7	1835.6	450.3	1.5	0	1821.8	258.9	0.6	4.2	
21	1836.4	463.0	1.3	4.5	1830.3	370.6	1.5	0.7	1835.7	451.9	1.5	1.6	1821.3	251.6	0.6	4.1	
22	1836.0	456.6	1.2	4.5	1830.6	374.9	1.5	0.7	1835.2	444.0	1.1	4.5	1820.6	244.8	0.6	4.1	
23	1836.1	458.2	2.6	1.8	1830.8	377.7	2.0	0.7	1834.7	436.3	1.1	5.2	1820.4	242.4	0.6	1.8	
24	1835.4	463.0	2.5	0	1831.0	380.7	2.0	0.7	1834.2	428.6	1.0	5.2	1820.3	243.6	0.6	0	
25	1835.3	461.4	1.9	2.7	1831.2	383.6	1.9	0.3	1833.7	420.9	1.0	5.3	1820.7	245.9	0.6	0	
26	1835.9	455.0	1.7	4.9	1831.4	386.5	1.9	0	1833.1	411.5	1.0	5.3	1820.8	247.1	0.6	0	
27	1835.5	448.8	1.7	4.9	1831.7	390.9	1.9	0	1833.1	411.8	2.9	2.9	1820.9	248.2	0.6	0	
28	1835.2	444.0	1.6	4.0	1831.9	393.2	1.5	0	1833.4	416.4	2.4	0	1821.1	230.6	1.2	0	
29					1832.1	396.4	1.5	0	1833.6	419.4	1.7	0	1821.3	233.0	1.0	0	
30					1832.3	396.4	1.5	0	1833.4	416.4	1.6	3.3	1821.4	234.2	0.7	0	
31					1832.5	402.1	1.5	0					1821.5	235.4	0.7	0	
TOTAL			53.5	92.1			58.2	79.0			40.4	33.5			22.5	103.7	
Inf. Ac. Ft.		105.1					115.4				80.1				44.6	908.2	
Outf. Ac. Ft.			182.7				155.7				66.4				205.7	3236.5	
Maximum Daily Inflow		2.6					3.5				2.9				2.0	8.5	
Minimum Daily Inflow		1.2					1.5				0.9				0.6	0	
Storage Change		-76.6					-41.2				+13.6				-161.0	-2328.8	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1910.6	feet	on	10/1/52	Storage	2584	Acro Feet	RECORDS COLLECTED BY	COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1796.9	feet	on	9/23/53	Storage	44.7	Acro Feet	E. K. BARR	Dam Tender	Gage Hts. copied	J.H. HW
Max. Peak Inf.	32	C. F. S. from	9:00 P.M. on	12/1/52	to	10:00 P.M. on	12/1/52	S. E. BLAKELY	Hydrographer	Storage applied	J.H. HW
Max. Peak Outf.	163	C. F. S. from	3:00 P.M. on	11/17/52	to	4:00 P.M. on	11/17/52		Hydrographer	Inf. & Outf. comp.	J.H. HW

REMARKS: () INDICATES AVERAGE FOR PERIOD.

P. C. Dist. Form 885 Revised 8/20 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PACOMA Dam
In Pacoma Canyon for the Year Ending September 30, 1953
Continuous Water Stage Recorder AU
Drainage Area 28.2 Square Miles. Capacity of Reservoir 4714.4 Ac. Ft. at Spillway Elev. 1950.0 Ft. as of December, 1944 Survey Gage Heights Read daily.

Day	JUNE				JULY				AUGUST				SEPTEMBER				ft
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1821.6	256.5	0.7	0	1824.2	288.4	0.4	0	1825.4	303.8	0.1	0	1818.9	225.3	0.05	4.2	
2	1821.5	258.9	0.7	0	1824.2	289.7	0.4	0	1825.4	303.8	0.1	0	1818.1	216.5	0.05	4.2	
3	1821.9	260.1	0.7	0	1824.3	289.7	0.4	0	1825.5	305.1	0.1	0	1817.3	207.9	0.05	4.2	
4	1822.0	261.3	0.7	0	1824.4	291.0	0.3	0	1825.5	305.1	0.1	0	1816.6	200.5	0.05	4.2	
5	1822.1	262.5	0.7	0	1824.5	292.3	0.3	0	1825.5	305.1	0.1	0	1815.8	192.3	0.05	4.2	
6	1822.2	263.7	0.7	0	1824.5	292.3	0.3	0	1825.5	305.1	0.05	0	1815.0	184.1	0.05	4.1	
7	1822.3	265.0	0.7	0	1824.6	293.5	0.3	0	1825.5	305.1	0.05	0	1814.2	176.2	0.1	3.9	
8	1822.4	266.2	0.6	0	1824.6	293.5	0.3	0	1825.6	306.4	0.05	0	1813.4	168.4	0.1	4.1	
9	1822.5	267.4	0.6	0	1824.7	294.8	0.3	0	1825.6	306.4	0.05	0	1812.4	158.9	0.1	4.7	
10	1822.6	268.6	0.6	0	1824.7	294.8	0.3	0	1825.6	306.4	0.05	0	1811.4	149.6	0.1	5.0	
11	1822.7	269.8	0.6	0	1824.8	296.1	0.3	0	1825.6	306.4	0.05	0	1810.3	139.6	0.1	4.9	
12	1822.8	271.1	0.6	0	1824.8	296.1	0.3	0	1825.6	306.4	0.05	0	1809.1	129.1	0.1	4.9	
13	1822.9	272.3	0.6	0	1824.8	296.1	0.3	0	1825.6	306.4	0.05	0	1808.1	120.6	0.1	4.3	
14	1823.0	273.5	0.6	0	1824.9	297.3	0.3	0	1825.6	306.4	0.05	0	1807.3	114.1	0.1	3.5	
15	1823.1	274.7	0.6	0	1824.9	297.3	0.3	0	1825.7	307.7	0.05	0	1806.5	107.6	0.1	3.4	
16	1823.2	276.0	0.6	0	1825.0	298.6	0.2	0	1825.7	307.7	0.05	0	1805.7	101.3	0.1	3.4	
17	1823.2	276.0	0.5	0	1825.0	298.6	0.2	0	1825.7	307.7	0.05	0	1804.6	93.0	0.1	4.0	
18	1823.3	277.2	0.5	0	1825.0	298.6	0.2	0	1825.7	307.7	0.05	0	1803.5	85.1	0.1	4.1	
19	1823.4	278.5	0.5	0	1825.1	299.9	0.2	0	1825.7	307.7	0.05	0	1802.4	77.4	0.1	4.4	
20	1823.5	279.7	0.5	0	1825.1	299.9	0.2	0	1825.7	307.7	0.05	0	1800.8	66.9	0.1	4.8	
21	1823.6	280.9	0.5	0	1825.1	299.9	0.2	0	1825.7	307.7	0.05	0	1799.2	57.2	0.1	4.4	
22	1823.6	280.9	0.5	0	1825.2	301.2	0.2	0	1825.7	307.7	0.05	0	1797.4	47.3	0.2	4.2	
23	1823.7	282.2	0.5	0	1825.2	301.2	0.2	0	1825.8	309.0	0.05	0	1797.0	45.2	0.2	1.9	
24	1823.8	283.4	0.4	0	1825.2	301.2	0.2	0	1825.8	309.0	0.05	2.8	1797.3	43.8	0.2	0	
25	1823.9	284.7	0.4	0	1825.2	301.2	0.2	0	1824.6	293.5	0.05	5.1	1797.5	47.8	0.2	0	
26	1824.0	285.9	0.4	0	1825.3	302.5	0.2	0	1823.7	282.2	0.05	5.1	1797.6	48.3	0.2	0	
27	1824.0	285.9	0.4	0	1825.3	302.5	0.2	0	1822.9	272.3	0.05	5.1	1797.8	49.4	0.2	0	
28	1824.1	287.2	0.4	0	1825.3	302.5	0.2	0	1822.0	261.3	0.05	5.2	1797.9	49.9	0.2	0	
29	1824.1	287.2	0.4	0	1825.4	303.8	0.2	0	1821.1	250.6	0.05	5.1	1798.1	51.0	0.2	0	
30	1824.2	288.4	0.4	0	1825.4	303.8	0.2	0	1820.2	240.1	0.05	4.6	1798.2	51.5	0.2	0	
31					1825.4	303.8	0.2	0	1819.6	233.2	0.05	4.4					
TOTAL			16.6	0			7.8	0			1.8	37.4			3.6	95.2	
Inf. Ac. Ft.		32.9					19.5				74.2				7.1	367.3	
Outf. Ac. Ft.			0				0				0.1			188.8		3499.8	
Maximum Daily Inflow		0.7					0.4				0.1			0.2		8.5	
Minimum Daily Inflow		0.4					0.2				0.05			0.05		0	
Storage Change																	

P. C. Dist. Form 988 Revised 9/6 11/54

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, 1952

Continuous Water Stage Recorder No. A1

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4226.3 Ac. Ft. at Spillway Elev. 2230.0 Ft. as of June 1944 Survey

Gage Heights Read Daily

Table with columns for months (OCTOBER, NOVEMBER, DECEMBER, JANUARY) and rows for Gage Height, Inflow, and Outflow. Includes summary rows for totals and storage changes.

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Summary table with columns for Max. W. S. Elev., Min. W. S. Elev., Max. Peak Inf., Max. Peak Outf., and RECORDS COLLECTED BY.

P. C. Dist. Form 988 Revised 9/6 11/54

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, 1952

Continuous Water Stage Recorder No. A1

Drainage Area 82.3 Square Miles. Capacity of Reservoir 4226.3 Ac. Ft. at Spillway Elev. 2230.0 Ft. as of June 1944 Survey

Gage Heights Read Daily

Table with columns for months (FEBRUARY, MARCH, APRIL, MAY) and rows for Gage Height, Inflow, and Outflow. Includes summary rows for totals and storage changes.

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Summary table with columns for Max. W. S. Elev., Min. W. S. Elev., Max. Peak Inf., Max. Peak Outf., and RECORDS COLLECTED BY.

F. C. Dist. Form 88C Revised 800 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1952

Drainage Area 82.3 Square Miles Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of June 1952 Survey

Continuous Water Stage Recorder AU Gage Heights Read Daily

DAY	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2289.1	4165.5	15.5	18.3	2289.7	4212.0	8.7	8.3	2280.5	3553.4	4.9	18.7	2260.9	2329.7	3.2	2.5
2	2289.0	4165.5	15.5	18.3	2289.7	4212.0	8.6	9.0	2280.1	3505.4	4.9	19.5	2260.1	2288.0	3.2	2.5
3	2289.0	4157.7	15.5	18.3	2289.7	4212.0	8.6	8.6	2279.7	3477.5	4.9	19.5	2259.2	2241.8	3.2	2.6
4	2289.0	4157.7	15.4	15.4	2289.7	4212.0	8.6	8.6	2279.3	3449.8	4.9	19.5	2258.4	2201.3	3.3	2.6
5	2289.1	4165.5	15.4	10.9	2289.7	4212.0	8.6	8.6	2278.9	3422.1	4.9	19.5	2257.5	2156.5	3.3	2.6
6	2289.4	4188.7	12.5	6.0	2289.5	4204.3	5.3	8.6	2278.4	3387.8	4.9	19.5	2256.7	2116.5	3.3	2.6
7	2289.5	4196.5	12.5	7.4	2289.4	4188.7	5.3	8.6	2278.0	3360.3	4.8	19.5	2255.8	2073.2	3.3	2.6
8	2289.5	4196.5	12.5	9.7	2289.3	4181.0	5.3	8.6	2277.1	3328.8	4.8	19.5	2254.9	2030.3	3.3	2.6
9	2289.6	4204.3	12.5	10.1	2289.3	4165.5	5.3	14.9	2276.7	3271.7	4.8	20	2253.9	1983.5	3.3	2.5
10	2289.7	4112.0	11.0	11.6	2289.1	4165.5	5.3	20	2276.7	3244.7	4.8	20	2253.0	1942.4	3.3	2.4
11	2289.7	4112.0	11.0	13.3	2288.7	4134.7	5.3	20	2276.3	3244.7	4.8	20	2252.1	1902.1	3.3	2.4
12	2289.8	4219.8	11.0	13.3	2288.3	4103.9	5.2	20	2275.8	3211.1	4.8	20	2251.2	1862.5	3.3	2.3
13	2289.7	4212.0	11.0	13.3	2287.9	4073.3	5.2	20	2275.3	3177.7	4.8	20	2250.3	1823.7	3.2	2.3
14	2289.7	4212.0	11.0	13.3	2287.6	4050.5	5.2	20	2274.7	3138.0	4.8	20	2249.3	1781.3	3.2	2.3
15	2289.7	4212.0	11.0	13.3	2287.2	4020.2	5.2	20	2274.0	3091.9	4.8	20	2248.5	1748.1	3.2	2.3
16	2289.6	4204.3	11.0	13.3	2286.8	3990.0	4.7	20	2273.3	3046.7	4.8	20	2247.9	1723.4	3.2	2.3
17	2289.4	4188.7	11.0	13.3	2286.4	3960.0	4.7	20	2272.6	3002.0	4.8	20	2247.2	1695.0	3.2	2.3
18	2289.4	4188.7	11.0	13.3	2286.0	3930.0	4.7	19.5	2271.9	2957.8	4.8	20	2246.6	1671.0	3.2	2.3
19	2289.3	4181.0	10.9	12.9	2285.6	3900.4	4.7	19.5	2271.1	2908.0	4.8	20	2245.9	1643.3	3.2	2.3
20	2289.2	4173.2	10.9	11.8	2285.2	3870.7	4.7	18.9	2270.4	2865.2	4.8	20	2245.3	1620.1	3.2	2.3
21	2289.2	4173.2	10.2	10.1	2284.8	3841.3	4.7	18.9	2269.7	2822.2	4.8	20	2244.7	1597.1	3.2	2.3
22	2289.2	4173.2	10.2	10.9	2284.3	3804.7	4.7	18.9	2268.9	2774.9	4.8	20	2244.0	1570.6	3.2	2.3
23	2289.2	4173.2	10.2	10.1	2283.9	3775.5	4.7	18.9	2268.1	2727.8	4.8	20	2243.4	1548.5	3.2	2.3
24	2289.2	4173.2	10.2	8.3	2283.5	3746.8	4.7	18.9	2267.4	2687.2	4.8	20	2242.7	1522.9	3.2	2.3
25	2289.3	4181.0	10.1	7.6	2283.1	3717.8	4.6	18.9	2266.6	2641.9	4.8	20	2242.0	1497.7	3.2	2.3
26	2289.4	4188.7	10.1	6.7	2282.7	3689.0	4.6	18.9	2265.8	2595.0	4.8	20	2241.3	1473.0	3.2	2.3
27	2289.5	4196.5	10.1	6.7	2282.3	3660.4	4.6	18.9	2265.0	2551.0	4.8	20	2240.6	1448.3	3.2	2.3
28	2289.6	4204.3	10.1	7.0	2282.0	3639.0	4.6	18.9	2264.2	2506.8	4.8	20	2239.9	1424.3	3.2	2.3
29	2289.7	4212.0	10.1	7.0	2281.7	3617.8	4.6	18.9	2263.4	2463.1	4.8	20	2239.2	1400.4	3.2	2.3
30	2289.7	4212.0	10.0	7.3	2281.3	3589.6	4.6	18.9	2262.6	2419.9	4.8	20	2238.5	1376.8	3.2	2.3
31					2280.9	3561.4	4.6	18.9	2261.8	2377.1	4.8	20				
TOTAL			350.8	331.2			170.2	498.2			113.6	710.7			101.2	605.5
Inf. Ac. Ft.			69.5				337.6				225.3				200.7	2728.7
Outf. Ac. Ft.				656.9				988.2				1409.7			1201.0	2632.4
Max. Daily Inflow			15.5				8.6				4.9				3.2	896.2
Min. Daily Inflow			10.0				4.7				2.8				3.2	0.3
Storage Change			+38.8				-650.6				-1184.3				-1000.3	+1162.4

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: D. J. ROBERTSON (Dam Tender), L. J. TURNER (Hydrographer)

COMPUTATIONS: J.H. HW (Gage Hts. copied), J.H. HW (Storage applied), J.H. HW (Inf. & Outf. comp.)

REMARKS: () Indicates Average for Period

F. C. Dist. Form 88A Revised 800 11/44

Daily Gage Height in feet and Operation Record of BIG TUJUNGA Dam

In Big Tujunga Canyon for the Year Ending September 30, 1953

Drainage Area 82.3 Square Miles Capacity of Reservoir 4235.3 Ac. Ft. at Spillway Elev. 2290.0 Ft. as of September 1953 Surveys

Continuous Water Stage Recorder AU Gage Heights Read Daily

DAY	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2237.7	1350.1	2.2	15.3	2214.2	693.8	1.5	9.2	2208.6	570.6	17.5	8.2	2216.5	747.4	11.8	8.2
2	2236.9	1323.6	2.2	15.3	2213.6	680.1	1.5	9.0	2211.0	621.8	34.0	8.2	2216.8	754.5	11.8	8.2
3	2235.3	1297.5	2.0	15.2	2213.0	666.4	1.5	9.0	2211.5	632.9	13.8	8.2	2217.1	761.6	11.7	8.2
4	2234.5	1271.6	2.0	15.2	2212.5	652.2	1.5	9.0	2211.7	637.2	10.4	8.2	2217.3	766.4	11.3	8.2
5	2234.5	1244.0	1.8	15.1	2211.9	641.7	1.6	8.0	2211.8	639.5	9.3	8.2	2217.5	771.2	11.2	8.2
6	2233.6	1217.5	1.7	15.1	2211.3	628.4	1.6	8.0	2211.8	639.5	8.0	8.0	2217.8	778.4	11.2	8.2
7	2232.8	1192.5	1.7	15.0	2210.7	615.3	1.6	8.0	2211.8	639.5	8.0	8.0	2218.5	795.4	11.1	8.5
8	2231.9	1164.8	1.7	15.0	2210.4	608.8	1.6	8.0	2211.8	639.5	8.0	8.0	2219.2	812.6	11.4	8.7
9	2231.0	1137.3	1.6	15.0	2209.9	598.0	1.6	8.0	2211.7	637.3	6.9	8.0	2219.9	829.9	11.4	8.7
10	2230.2	1113.2	1.6	14.8	2209.3	585.2	1.7	8.0	2211.5	632.9	6.5	8.0	2220.3	840.0	11.3	8.7
11	2229.3	1086.5	1.6	14.7	2208.7	572.6	1.6	8.0	2211.4	630.6	6.5	8.0	2220.7	850.1	11.3	8.7
12	2228.4	1060.1	1.6	14.7	2208.1	560.3	1.6	7.8	2211.3	628.4	6.5	8.0	2220.9	855.2	11.2	8.7
13	2227.5	1034.2	1.6	14.7	2207.5	548.2	1.6	7.8	2211.1	624.0	6.0	7.8	2221.3	865.4	11.9	8.7
14	2226.6	1008.5	1.6	14.3	2207.8	534.2	1.0	7.8	2210.9	619.6	6.0	7.8	2221.6	873.2	12.6	8.7
15	2225.7	983.2	1.6	14.3	2210.2	604.4	3.3	7.8	2210.8	617.5	9.9	7.8	2221.8	878.3	11.2	8.7
16	2224.8	958.3	1.6	14.3	2211.3	628.4	1.9	7.8	2211.6	613.1	5.6	7.8	2221.9	880.9	10.1	8.7
17	2223.9	933.8	1.6	14.3	2211.4	630.6	8.9	7.8	2210.4	608.8	5.6	7.8	2222.0	883.5	10.1	8.7
18	2223.0	909.8	1.6	14.3	2211.2	626.2	5.6	7.8	2210.2	604.4	5.6	7.8	2222.1	886.1	10.1	8.7
19	2222.1	886.1	1.6	14.0	2211.0	621.8	5.6	7.8	2210.0	600.1	5.6	7.8	2222.2	888.8	10.1	8.9
20	2221.1	860.3	1.6	14.0	2210.7	615.3	4.5	7.8	2212.4	632.9	34.9	8.2	2222.3	891.4	10.1	8.9
21	2220.4	842.5	1.6	11.1	2210.5	611.0	4.3	7.8	2213.3	673.2	18.4	8.2	2222.3	891.4	8.9	8.9
22	2219.6	827.4	1.6	8.7	2210.9	604.4	4.3	7.8	2213.8	684.6	14.0	8.2	2222.3	891.4	8.9	8.9
23	2219.2	811.6	1.6	8.7	2209.8	595.8	4.3	7.8	2214.1	691.5	11.6	8.2	2222.3	891.4	8.7	8.7
24	2218.7	800.3	1.6	8.7	2209.5	593.5	4.3	7.5	2214.2	693.5	9.4	8.2	2222.3	891.4	8.7	8.7
25	2218.1	785.6	1.6	8.7	2209.1	580.9	4.3	7.5	2214.7	692.1	9.4	8.2	2222.3	891.4	8.4	8.7
26	2217.5	771.2	1.6	8.5	2208.8	574.7	4.3	7.5	2214.4	694.4	9.3	8.2	2222.3	891.4	8.3	8.7
27	2217.0	759.2	1.6	8.5	2208.5	568.5	4.3	7.5	2214.5	700.7	9.4	8.2	2222.6	899.3	8.3	4.6
28	2216.4	745.0	1.6	8.5	2208.2	562.3	4.3	7.5	2214.9	709.9	12.8	8.2	2222.9	907.2	8.3	4.5
29	2215.8	730.9	1.6	8.2	2207.9	556.2	4.2	7.5	2215.2	716.9	11.7	8.2	2223.2	915.1	8.1	4.5
30	2215.2	716.9	1.6	8.2	2207.7	552.2	5.5	7.5	2215.6	726.2	12.9	8.2	2223.4	920.5	8.1	4.5
31	2214.7	705.3	1.6	8.2					2216.2	740.3	15.3	8.2	2223.7	928.5	8.0	4.5
TOTAL			52.1	390.6			157.1	834.3			334.8	1250.0			1340.6	245.8
Inf. Ac. Ft.			103.3				311.6				683.9				673.6	1774.4
Outf. Ac. Ft.				774.7				464.7				495.9			437.5	2222.8
Max. Daily Inflow			2.2				3.3				34.9				17.4	34.9
Min																

F. C. Dist. Form 888 Revised 6/6 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujuanga Canyon</u> for the Year Ending September 30, 1953.																	
Drainage Area <u>82.3</u> Square Miles. Capacity of Reservoir <u>4235.3</u> Ac. Ft. at Spillway Elev. <u>2290</u> Ft. as of <u>June</u> 19 <u>44</u> Survey Gage Heights <u>Read daily</u>																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2223.9	933.8	7.2	4.5	2221.5	870.6	8.0	0.2	2232.6	1136.5	6.2	1.1	2240.9	1458.9	4.7	1.2	1
2	2223.0	909.8	6.8	1.7	2222.2	888.8	9.3	0.2	2232.9	1193.5	6.2	1.1	2241.1	1468.9	4.7	1.2	2
3	2220.6	847.6	6.8	3.7	2222.7	901.9	7.8	0.2	2233.2	1205.0	6.2	1.1	2241.3	1473.0	4.7	1.1	3
4	2218.0	733.2	6.8	3.7	2223.3	917.6	7.8	0.2	2233.4	1211.3	6.1	1.2	2241.5	1480.1	4.7	1.1	4
5	2214.5	700.7	6.8	4.4	2223.9	933.8	7.7	0.2	2233.5	1223.8	6.1	1.2	2241.7	1487.1	4.6	1.1	5
6	2209.6	595.8	6.8	5.1	2224.4	947.4	7.1	0.2	2234.1	1233.3	5.8	1.2	2241.8	1490.6	3.8	1.1	6
7	2205.9	516.6	6.8	3.3	2224.9	961.1	7.1	0.1	2234.4	1242.8	5.8	1.3	2242.0	1497.7	3.7	1.1	7
8	2206.6	534.2	6.8	0.4	2225.4	974.9	7.1	0.1	2234.7	1252.4	5.8	1.3	2242.1	1501.3	3.7	1.1	8
9	2207.8	554.2	6.8	0.2	2225.9	988.7	7.1	0.1	2234.9	1258.7	5.8	1.3	2242.3	1508.5	3.7	1.1	9
10	2208.7	572.6	6.7	0.2	2226.4	1002.8	7.0	0.1	2235.2	1268.4	5.8	1.3	2242.4	1512.1	3.7	1.1	10
11	2209.6	591.6	6.7	0.2	2226.8	1014.1	6.8	0.1	2235.5	1278.1	5.8	1.2	2242.5	1515.7	3.7	1.1	11
12	2210.4	608.8	6.7	0.2	2227.3	1028.4	6.8	0.1	2235.6	1287.7	5.8	1.2	2242.5	1515.7	3.7	1.1	12
13	2211.2	626.2	6.7	0.2	2227.7	1042.8	6.6	0.1	2235.6	1297.5	5.7	1.2	2242.4	1512.1	3.7	1.1	13
14	2212.0	643.9	6.7	0.2	2228.1	1051.4	6.7	0.2	2235.6	1304.0	5.7	1.2	2242.4	1512.1	3.7	1.1	14
15	2212.7	659.7	6.7	0.2	2228.2	1054.3	6.7	4.6	2235.6	1313.8	5.7	1.1	2242.4	1512.1	3.7	1.1	15
16	2213.3	673.2	6.7	0.2	2228.3	1057.2	6.7	4.7	2235.6	1320.4	4.9	1.1	2242.5	1515.7	3.7	1.1	16
17	2214.0	689.2	6.7	0.2	2228.5	1063.1	6.7	4.7	2237.1	1330.2	4.9	1.1	2242.5	1515.7	3.7	1.1	17
18	2214.6	703.0	6.7	0.1	2228.6	1066.0	6.7	4.7	2237.3	1336.8	4.9	1.1	2242.5	1515.7	3.7	1.1	18
19	2215.2	716.9	6.7	0.1	2228.8	1071.8	6.7	4.8	2237.5	1343.5	4.8	1.2	2242.5	1515.7	3.7	1.1	19
20	2215.8	730.9	6.7	0.1	2229.1	1080.6	9.2	4.8	2237.9	1356.7	7.8	1.2	2242.5	1515.7	3.7	1.1	20
21	2216.4	745.0	6.7	0.1	2229.4	1089.4	9.0	4.5	2238.5	1370.1	7.9	1.2	2242.5	1515.7	3.7	1.1	21
22	2217.7	759.2	6.7	0.1	2229.9	1095.4	7.4	4.4	2238.6	1380.3	6.7	1.2	2242.4	1512.1	3.7	1.1	22
23	2217.6	773.6	7.4	0.1	2229.9	1098.3	6.6	4.4	2238.9	1390.2	5.7	1.2	2242.4	1512.1	3.7	1.1	23
24	2218.3	790.5	9.6	0.1	2229.9	1101.3	6.6	4.4	2239.2	1400.4	5.7	1.2	2242.4	1512.1	3.7	1.1	24
25	2219.0	807.6	8.7	0.1	2230.1	1110.2	6.6	3.3	2239.4	1407.2	5.6	1.2	2242.4	1512.1	3.7	1.1	25
26	2219.6	822.5	7.7	0.1	2230.5	1122.3	6.6	1.3	2239.6	1414.1	5.6	1.2	2242.4	1512.1	3.7	1.1	26
27	2220.2	837.5	7.6	0.1	2230.8	1131.3	6.6	1.3	2239.9	1424.3	6.3	1.2	2242.4	1512.1	4.2	4.2	27
28	2220.9	855.2	9.0	0.1	2231.2	1143.4	6.6	1.2	2240.2	1434.6	6.4	1.2	2242.4	1512.1	4.2	4.2	28
29					2231.5	1152.6	6.5	1.2	2240.5	1445.1	5.6	1.2	2242.5	1515.7	6.0	4.2	29
30					2231.9	1264.6	6.5	1.2	2240.7	1452.0	5.6	1.2	2242.5	1515.7	4.2	4.2	30
31					2232.2	1774.0	6.5	1.2	2240.7	1452.0	5.6	1.2	2242.5	1515.7	4.2	4.2	31
TOTAL		197.7	234.7			221.3	60.6			175.9	35.7			124.1	91.9		
Inf. Ac. Ft.		322.1				459.9				549.9				246.1			220.4
Outf. Ac. Ft.			465.5				120.2				70.8			142.3			306.1
Maximum		9.0				9.3				7.9				6.0			34.9
Mean Daily Inflow		6.7				6.5				4.8				3.7			1.5
Minimum																	
Mean Daily Outflow																	
Storage Change		-73.3				+318.8				+278.0				+63.7			+138.9
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
Max. W. S. Elev.	2242.6	feet	on	5/12/53	Storage	1519	Acres		RECORDS COLLECTED BY				COMPUTATIONS				
Min. W. S. Elev.	2142.1	feet	on	9/28/53	Storage	0	Acres		D. J. ROBERTSON				Gage Hts. copied J.H. HRW				
Max. Peak Inf.	108	C.F.S. from	11:00 A.M.	on	11/15/52	to	12:00 NOON	on	11/15/52				Storage applied J.H. HRW				
Max. Peak Outf.	82	C.F.S. from	08:00 A.M.	on	9/22/53	to	08:00 A.M.	on	9/22/53				Inf. & Outf. comp. J.H. HRW				
REMARKS (INDICATES AVERAGE FOR PERIOD																	

F. C. Dist. Form 888 Revised 6/6 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG TUJUNGA</u> Dam																	
In <u>Big Tujuanga Canyon</u> for the Year Ending September 30, 1953.																	
Drainage Area <u>82.3</u> Square Miles. Capacity of Reservoir <u>4235.3</u> Ac. Ft. at Spillway Elev. <u>2290</u> Ft. as of <u>June</u> 19 <u>44</u> Survey Gage Heights <u>Read daily</u>																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2242.5	1515.7	3.9	4.3	2239.0	1339.6	2.0	7.5	2225.7	1071.5	0.3	9.8	2202.1	445.9	17.2	8.5	1
2	2242.5	1515.7	3.9	4.3	2239.2	1343.5	2.0	7.5	2226.0	991.5	0.3	9.8	2201.8	430.0	17.2	8.6	2
3	2242.5	1515.7	3.9	4.2	2239.4	1373.4	2.0	7.4	2225.4	974.9	0.3	9.8	2200.2	412.7	17.2	8.5	3
4	2242.5	1515.7	3.9	4.2	2238.0	1336.0	2.0	7.4	2224.7	955.2	0.2	9.7	2199.4	399.1	17.2	8.5	4
5	2242.4	1512.1	3.9	4.2	2237.7	1350.1	2.0	7.3	2224.0	936.5	0.2	9.7	2198.3	380.9	17.2	8.3	5
6	2242.4	1512.1	3.2	4.2	2237.4	1340.1	1.9	7.3	2223.4	920.5	0.2	9.7	2197.4	365.8	17.2	8.2	6
7	2242.4	1512.1	3.2	4.2	2237.1	1330.2	1.9	7.2	2222.7	901.9	0.2	9.7	2196.6	349.9	17.2	8.2	7
8	2242.4	1512.1	3.2	4.1	2236.7	1317.1	1.9	7.2	2222.0	883.5	0.2	9.6	2195.5	334.2	17.2	8.1	8
9	2242.4	1512.1	3.2	4.1	2236.4	1307.3	1.9	7.2	2221.4	868.0	0.2	9.6	2194.5	318.7	17.2	8.0	9
10	2242.3	1508.8	3.2	4.0	2236.1	1297.5	1.9	7.1	2220.7	850.1	0.2	9.6	2193.4	303.5	17.2	7.9	10
11	2242.2	1504.9	3.1	4.0	2235.7	1284.5	1.5	7.1	2220.0	832.4	0.1	9.5	2192.4	288.4	17.2	7.5	11
12	2242.1	1491.7	3.1	4.0	2235.4	1274.8	1.5	7.0	2219.3	815.0	0.1	9.5	2191.4	273.5	17.2	7.7	12
13	2242.1	1491.7	3.1	4.0	2235.0	1261.9	1.5	7.0	2218.6	797.8	0.1	9.5	2190.4	258.6	17.2	7.7	13
14	2241.9	1494.2	2.5	3.9	2234.7	1232.4	1.4	6.9	2217.9	780.4	0.1	9.4	2189.5	244.0	17.2	7.6	14
15	2241.8	1490.6	2.5	3.8	2234.4	1242.8	1.4	6.9	2217.1	761.6	0.1	9.4	2188.5	229.3	17.2	7.5	15
16	2241.7	1497.4	2.5	3.7	2234.0	1230.1	0.9	6.8	2216.4	745.0	0.1	9.4	2187.5	214.6	17.2	7.4	16
17	2241.7	1497.4	2.5	3.7	2233.6	1217.5	0.9	6.7	2215.6	726.2	0.1	9.3	2186.5	200.5	17.2	7.3	17
18	2241.6	1493.6	2.5	3.7	2233.2	1205.0	0.9	6.7	2214.9	709.9	0.1	9.3	2185.5	186.4	17.2	7.2	18
19	2241.6	1493.6	2.5	3.7	2232.9	1195.6	0.9	6.6	2214.1	691.5	0.1	9.2	2184.5	172.4	17.2	7.1	19
20	2241.5	1490.0	2.5	3.6	2232.5	1185.3	0.9	6.6	2213.3	673.2	0.						

P. C. Dist. Form 88A Revised 8/6 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam												Continuous Water Stage Recorder, <u>Hy</u>					
In <u>Arroyo Seco</u> for the Year Ending September 30, 1952.												Gage Heights <u>Read Daily</u>					
Drainage Area <u>31.9</u> Square Miles Capacity of Reservoir <u>2861.4</u> Ac. Ft. at Spillway Elev. <u>1084.0</u> Ft. as of <u>Fall</u> 19 <u>48</u> Survey																	
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	989.2	0			1012.0	24.6	0	0	1017.0	66.4	1.1	0	1022.9	189.0	9.4	22.2	1
2	989.2	0			1011.9	24.2	0	0	1017.0	66.4	0.4	0	1021.3	148.1	2.4	21.8	2
3	989.2	0			1011.9	24.2	0	0	1017.0	66.4	0.4	0	1019.5	108.8	2.1	21.3	3
4	989.2	0			1011.8	23.9	0	0	1018.1	83.3	8.9	0	1017.5	74.0	3.3	20.6	4
5	989.2	0			1011.7	23.5	0	0	1018.7	93.7	9.3	3.1	1014.7	41.2	3.4	20.0	5
6	989.2	0			1011.6	23.1	0	0	1019.7	77.0	0	7.9	1014.3	38.0	4.4	6.0	6
7	989.2	0			1011.6	23.1	0	0	1016.5	60.1	0	8.1	1016.0	53.7	7.9	0	7
8	989.2	0			1011.5	22.8	0	0	1014.9	42.8	0	8.5	1016.1	55.0	0.7	0	8
9	989.2	0			1011.5	22.8	0	0	1014.1	36.4	0	3.3	1015.5	48.7	0.3	3.5	9
10	989.2	0			1011.4	22.4	0	0	1014.1	36.4	0	0	1014.2	37.2	0.6	6.4	10
11	989.2	0			1011.4	22.4	0	0	1015.1	44.6	4.2	0	1013.7	33.7	0.2	2.0	11
12	989.2	0			1011.3	22.0	0	0	1017.7	77.0	16.5	0	1026.5	303.0	136.4	0	12
13	990.1	0			1011.2	21.6	0	0	1017.3	74.0	1.4	2.6	1020.0	118.6	181.5	272.4	13
14	990.8	0			1011.1	21.3	0	0	1016.2	56.2	0	8.8	1018.0	81.6	69.6	86.6	14
15	991.0	0			1011.1	21.3	0	0	1014.6	40.4	0	7.9	1030.4	456.0	244.7	55.0	15
16	991.0	0			1011.0	20.9	0	0	1013.8	34.4	0	3.0	1034.7	674.9	792.0	671.8	16
17	991.0	0			1010.9	20.6	0	0	1013.8	34.4	0	0	1033.2	590.1	533.1	573.0	17
18	991.1	0			1010.8	20.3	0	0	1013.8	34.4	0	0	1027.4	335.5	712.8	838.9	18
19	991.1	0			1010.2	18.3	0	0	1014.1	36.4	1.0	0	1022.5	178.4	216.2	294.5	19
20	991.1	0			1017.6	75.5	11.0	0	1014.1	36.4	0	0	1018.9	97.2	116.5	157.5	20
21	991.2	0			1017.6	75.5	1.5	0	1014.1	36.4	0	0	992.2	+	62.1	111.1	21
22	991.2	0			1017.5	74.0	0	0	1014.1	36.4	0	0	+	0	36.8	56.8	22
23	991.3	0			1017.4	72.5	0	0	1014.0	35.6	0	0	+	0	30.5	30.5	23
24	1008.3	13.3	6.8	0	1017.3	71.0	0	0	1014.0	35.6	0	0	+	0	25.5	25.5	24
25	1012.7	23.0	7.8	0	1017.3	71.0	0	0	1014.0	35.6	0	0	+	0	33.9	33.9	25
26	1012.6	22.5	0	0	1017.2	69.4	0	0	1014.0	35.6	0	0	+	0	19.4	19.4	26
27	1012.5	27.0	0	0	1017.1	67.9	0	0	1013.9	35.0	0	0	+	0	19.4	19.4	27
28	1012.4	26.5	0	0	1017.0	66.4	0	0	1013.9	35.0	0	0	+	0	19.4	19.4	28
29	1012.3	26.0	0	0	1017.0	66.4	0	0	1020.6	131.9	49.6	0	+	0	19.4	19.4	29
30	1012.2	25.6	0	0	1016.9	65.1	0	0	1027.9	354.2	133.9	19.8	+	0	19.0	19.0	30
31	1012.1	25.1	0	0					1023.9	217.9	68.2	134.8	+	0	12.5	12.5	31
TOTAL																	
Inlet Ac. Ft. 14.6																	
Outlet Ac. Ft. 28.9																	
Maximum Mean Daily Inflow 7.8 + (3.8)																	
Minimum Mean Daily Inflow 18.3																	
Maximum Mean Daily Outflow 133.9																	
Storage Change +25.1																	
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
RECORDS COLLECTED BY																	
K. M. York																	
T. E. Moon																	
COMPUTATIONS																	
Gage Hts. copied GFB AFK																	
Storage applied GFB AFK																	
Inf. & Outf. comp. GFB AFK HW																	
REMARKS () Indicates Percolation and Evaporation Losses.																	

P. C. Dist. Form 88A Revised 8/6 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam												Continuous Water Stage Recorder, <u>Hy</u>					
In <u>Arroyo Seco</u> for the Year Ending September 30, 1952.												Gage Heights <u>Read Daily</u>					
Drainage Area <u>31.9</u> Square Miles Capacity of Reservoir <u>2861.4</u> Ac. Ft. at Spillway Elev. <u>1084.0</u> Ft. as of <u>Fall</u> 19 <u>48</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			5.0	5.0	1011.6	23.1	6.1	2.5			10.9	10.9	1013.0	29.4	0	0	1
2			3.4	3.1	1010.7	20.0	2.8	4.2			8.8	8.8	1013.0	29.4	0	0	2
3	993.6	0	1.3	1.3	1010.7	17.8	2.2	3.2			6.4	6.4	1012.9	28.9	0	0	3
4	995.7	0.1	0.2	0	1008.0	12.6	0.5	3.1			1.5	1.5	1013.2	30.9	1.0	0	4
5	996.8	0.3	0.2	0	1004.8	6.7	0.3	3.1			0.5	0.5	1013.3	31.3	0.6	0	5
6	997.7	0.6	0.2	0	1009.7	17.0	8.3	3.0			0.5	0.5	1013.3	31.3	0	0	6
7	998.3	0.8	0.2	0	1026.3	293.9	157.0	14.9	1013.3	31.3	15.9	0	1013.3	31.3	0	0	7
8	998.8	1.1	0.1	0	1019.2	102.8	33.1	129.0	1012.6	27.5	16.9	18.7	1013.2	30.6	0	0	8
9	999.3	1.3	0.1	0			1.3	64.6	1013.1	30.0	1.3	0	1013.2	30.6	0	0	9
10	999.8	1.6	0.1	0			2.5	29.5	1011.6	23.1	5.1	8.5	1013.1	30.0	0	0	10
11	1000.1	1.8	0.1	0			4.2	42.7	1011.9	24.2	0.7	0	1013.1	30.0	0	0	11
12	1000.4	2.0	0.1	0			3.2	32.2	1012.0	24.6	0.3	0	1013.0	29.4	0	0	12
13	1000.6	2.1	0.1	0			2.7	27.7	1012.0	24.6	0.1	0	1012.9	28.9	0	0	13
14	1000.9	2.3	0.1	0	997.9	0.7	12.8	12.5	1012.0	24.6	0.1	0	1012.5	27.0	0	1.2	14
15	1001.4	2.5	0.1	0	1033.0	579.2	346.8	53.0	1012.0	24.6	0.1	0	1012.0	24.6	0	1.0	15
16	1001.2	2.6	0.1	0	1027.0	320.6	363.0	489.9	1012.0	24.6	0.1	0	1011.4	22.4	0	0.9	16
17	1001.4	2.8	0.1	0	1018.4	88.5	282.0	397.0	1012.0	24.6	0.1	0	1010.8	20.3	0	0.8	17
18	1001.5	2.8	0.1	0			124.7	168.6	1012.0	24.6	0.1	0	1010.2	18.4	0	0.8	18
19	1001.6	2.9	0.1	0			75.9	75.9	1013.6	33.1	4.4	0	1009.3	15.8	0	1.4	19
20	1001.7	3.0	0.1	0			56.6	56.6	1013.6	33.1	0.1	0	1008.1	12.8	0	1.3	20
21	1001.8	3.1	0.1	0			47.1	47.1	1013.6	33.1	0.1	0	1007.2	10.8	0	1.0	21
22	1001.9	3.2	0.1	0			38.5	38.5	1013.6	33.1	0.1	0	1006.3	9.1	0	1.0	22
23	1002.0	3.3	0.1	0			31.9	31.9	1013.6	33.1	0.1	0	1005.2	7.3	0	1.0	23
24	1002.0	3.3	0.1	0			29.0	29.0	1013.5	32.5	0.1	0	1003.4	4.8	0	1.1	24
25	1002.0	3.3	0.1	0			37.0	37.0	1013.0	29.4	11.5	13.0	1001.2	2.6	0	1.0	25
26	1002.1	3.4	0.1	0			40.8	40.8	1006.4	9.3	1.7	11.7	998.3	0.8	0	0.7	26
27	1002.1	3.4	0.1	0			37.3	37.3	1006.7	9.8	0.3	0	996.1	0.1	0	0.3	27
28	1002.1	3.4	0.1	0			38.0	38.0	1010.6	19.7	5.1	0	994.2	pool	0	0.1	28
29	1002.2	3.5	0.1	0			28.0	28.0	1013.0	29.4	5.0	0	993.5	pool	0	0.1	29
30	1002.4	15.1	6.5	0			25.8	25.8	1013.0	29.4	0.1	0	993.7	pool	0	+	30
31							17.4	17.4								+	31
TOTAL																	
Inlet Ac. Ft. 18.8																	
Outlet Ac. Ft. 37.3																	
Maximum Mean Daily Inflow 6.5																	
Minimum Mean Daily Inflow 0.1																	
Maximum Mean Daily Outflow 159.1																	
Storage Change +1																	

P. C. Dist. Form 880 Revised 8/8 11/44

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam														Continuous Water Stage Recorder <u>Aut</u>		
In <u>Arroyo Seco</u> for the Year Ending September 30, 19 <u>52</u>																
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2561.4</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>Fall</u> 19 <u>48</u> Survey														Gage Heights <u>Read Daily</u>		
Date	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1																
2																
3																
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			0	0			0	0			0	0			0	0
Inf. Ac. Ft.																11,529.0
Outf. Ac. Ft.																11,529.0
Mean Daily Inflow			0	0			0	0			0	0			0	0
Mean Daily Inflow			0	0			0	0			0	0			0	0
Storage Change			0	0			0	0			0	0			0	0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1080.7	feet	on	1/15/52	Storage	1122	Acres Feet										
Min. W. S. Elev.																	
Max. Peak Inf.	2650.	C.F.S. from	12	Midnite	on	1/16/52	to	1:00 A.M.	on	1/16/52							
Max. Peak Outf.	999.	C.F.S. from	4:00	A.M.	on	1/18/52	to	8:00 A.M.	on	1/18/52							

REMARKS () Indicates percolation and evaporation losses.

P. C. Dist. Form 88A Revised 8/8 11/44

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam														Continuous Water Stage Recorder <u>Aut</u>		
In <u>Arroyo Seco</u> for the Year Ending September 30, 19 <u>53</u>																
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2336.3</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>July</u> 19 <u>52</u> Survey														Gage Heights <u>Read Daily</u>		
Date	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	990.4		0	0			0	0	1020.6	185.2	41.9	0.4	1022.9	251.3	0.4	0
2			0	0			0	0	1020.5	182.6	1.5	0.4	1022.6	248.3	0.3	0
3			0	0			0	0	1020.4	180.0	1.2	0.4	1022.7	245.2	0	0
4			0	0			0	0	1020.3	177.4	0.7	0.4	1022.6	242.2	0	0
5			0	0			0	0	1020.2	174.8	0.5	0	1022.5	239.1	0	0
6			0	0			0	0	1020.1	172.2	0.5	0	1022.7	242.2	4.8	0
7			0	0	990.0	0	0	0	1019.9	167.2	0.1	0	1022.4	236.1	6.9	9.8
8			0	0	1001.1	8.2	5.1	0	1019.8	164.8	0	0	1020.9	193.0	4.3	24.5
9			0	0	1000.5	7.2	1.0	0	1019.7	162.5	0	0	1019.0	145.9	2.0	23.7
10			0	0	1000.0	6.3	0.6	0	1019.6	160.1	0	0	1016.7	101.2	1.7	23.1
11			0	0	999.6	5.6	0	0	1019.5	157.7	0	0	1015.9	88.4	1.5	7.6
12			0	0	999.2	5.2	0	0	1019.4	155.4	0	0	1015.9	88.4	1.0	0
13			0	0	999.0	4.9	0	0	1019.3	153.0	0	0	1016.5	97.9	3.9	0
14			0	0	1012.6	30.2	24.9	0	1019.2	150.6	0	0	1016.5	97.9	1.0	0
15			0	0	1019.8	141.7	11.0	0.1	1019.1	148.3	0	0	1016.4	96.3	0.7	0
16			0	0	1019.8	137.4	2.3	0.1	1019.0	145.9	0	0	1016.4	96.3	0.8	0
17			0	0	1018.5	135.3	1.5	0.1	1018.9	143.8	0	0	1016.3	94.7	0	0
18			0	0	1018.3	131.1	1.0	0.1	1018.8	141.7	0	0	1016.2	93.1	0	0
19			0	0	1018.1	126.9	0.8	0.1	1018.8	141.7	1.1	0	1016.2	93.1	0	0
20			0	0	1018.0	124.6	0.6	0.1	1021.6	218.2	41.5	0	1016.1	91.4	0	0
21			0	0	1017.5	122.9	0.3	0.1	1021.8	218.2	0	0	1016.1	91.4	0	0
22			0	0	1017.9	122.9	1.8	0.1	1021.8	218.2	0	0	1016.0	89.8	0	0
23			0	0	1017.7	119.2	0.1	0.1	1021.5	212.6	0	0	1015.9	88.4	0	0
24			0	0	1017.6	117.3	0.1	0.1	1021.5	209.7	0	0	1015.9	88.4	0	0
25			0	0	1017.5	115.4	0.1	0.1	1021.4	206.9	0	0	1015.8	87.0	0	0
26			0	0	1017.4	113.2	0.1	0.1	1021.3	204.1	0	0	1015.7	85.6	0	0
27			0	0	1017.3	111.7	0	0.1	1021.3	201.2	0	0	1015.7	85.6	0	0
28			0	0	1017.1	108.0	0	0.1	1021.7	215.4	8.7	0	1015.6	84.2	0	0
29			0	0	1017.1	108.0	1.0	0.1	1021.6	212.6	0.2	0	1015.5	82.7	0	0
30			0	0	1017.1	108.0	1.0	0.1	1023.1	257.7	25.3	0	1015.4	81.3	0	0
31			0	0	1017.1	108.0	1.0	0.1	1023.0	254.4	0.6	0	1015.3	79.9	0	0
TOTAL							94.0	1.8			126.8	0.4			30.7	85.7
Inf. Ac. Ft.							136.2				251.2				60.9	498.8
Outf. Ac. Ft.											0.8	(10.3)			178.9	(1258.0)
Mean Daily Inflow			0	0			51.0				41.9	(10.4)			175.9	(6.9)
Mean Daily Inflow			0	0			51.0				0	0			0	51.0
Storage Change			0	0			+ 108.0				+ 146.4				- 174.5	+ 73.9

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1023.1	feet	on	12/30/52	Storage	258.0	Acres Feet										
Min. W. S. Elev.	990.4	feet	on	OCT., NOV., JUL., AUG., SEPT.	Storage	0	Acres Feet										
Max. Peak Inf.	823.	C.F.S. from	10:00	A.M.	on	11/15/52	to	10:30 A.M.	on	11/15/52							
Max. Peak Outf.	25.	C.F.S. from	2:30	P.M.	on	1/7/53	to	3:30 P.M.	on	1/7/53							

REMARKS () INDICATES AVERAGE FOR PERIOD. () INDICATES PERCOLATION LOSSES.

F. C. Dist. Form 602 Revised 509 11/54

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																		
In <u>Arroyo Seco</u> for the Year Ending September 30, 1953																		
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2536.3</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>July</u> 1952 Survey																		
Continuous Water Stage Recorder <u>Au</u> Gage Heights <u>Read Daily</u>																		
Day	FEBRUARY				MARCH				APRIL				MAY				Day	
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1015.2	78.5	0	0	1013.5	58.6	3.1	0	1013.6	59.6	0	0	1012.8	52.0	0	0	1	
2	1015.2	78.5	0	0	1013.4	57.6	0.1	0	1013.5	58.6	0	0	1012.7	51.1	0	0	2	
3	1015.1	77.1	0	0	1013.2	55.6	0	0	1013.4	57.6	0	0	1012.6	50.3	0	0	3	
4	1014.9	74.5	0	0	1013.1	54.6	0	0	1013.3	56.6	0	0	1012.4	48.7	0	0	4	
5	1014.9	74.5	0	0	1013.1	54.6	0	0	1013.1	54.6	0	0	1012.3	47.8	0	0	5	
6	1014.8	73.3	0	0	1012.9	52.8	0	0	1013.0	53.6	0	0	1012.2	47.0	0	0	6	
7	1014.8	73.3	0	0	1012.8	52.0	0	0	1012.8	52.0	0	0	1011.9	44.7	0	0	7	
8	1014.7	72.1	0	0	1012.7	51.1	0	0	1012.7	51.1	0	0	1011.8	44.1	0	0	8	
9	1014.6	70.9	0	0	1012.6	50.3	0	0	1012.6	50.3	0	0	1011.7	43.4	0	0	9	
10	1014.5	69.7	0	0	1012.4	48.7	0	0	1012.5	49.5	0	0	1011.6	42.8	0	0	10	
11	1014.4	68.5	0	0	1012.3	47.8	0	0	1012.4	48.7	0	0	1011.4	41.5	0	0	11	
12	1014.3	67.3	0	0	1012.2	47.0	0	0	1012.3	47.8	0	0	1011.3	40.8	0	0	12	
13	1014.2	66.1	0	0	1012.1	46.2	0	0	1012.2	47.0	0	0	1011.2	40.2	0	0	13	
14	1014.1	64.9	0	0	1012.0	45.4	0	0	1012.0	45.4	0	0	1011.0	38.9	0	0	14	
15	1014.0	63.7	0	0	1011.9	44.7	0	0	1011.9	44.7	0	0	1010.9	38.4	0	0	15	
16	1013.9	62.7	0	0	1011.8	44.1	0	0	1011.8	44.1	0	0	1010.8	37.8	0	0	16	
17	1013.8	61.7	0	0	1011.7	43.4	0	0	1011.7	43.4	0	0	1010.7	37.3	0	0	17	
18	1013.7	60.7	0	0	1011.6	42.8	12.0	0	1011.6	42.8	0	0	1010.5	36.3	0	0	18	
19	1013.6	59.6	0	0	1011.5	42.0	5.6	0	1011.5	42.0	2.7	0	1010.4	35.8	0	0	19	
20	1013.5	58.6	0	0	1011.4	41.5	0.2	0	1011.4	41.5	1.0	0	1010.3	35.2	0	0	20	
21	1013.5	58.6	0	0	1011.3	40.8	0	0	1011.3	40.8	0	0	1010.2	34.7	0	0	21	
22	1013.5	58.6	0	0	1011.2	40.2	0	0	1011.2	40.2	0	0	1010.1	34.2	0	0	22	
23	1013.5	58.6	0.5	0	1011.1	39.7	0	0	1011.1	39.7	0	0	1010.0	33.7	0	0	23	
24	1013.5	58.6	0	0	1011.0	39.2	0	0	1011.0	39.2	0	0	1009.9	33.3	0	0	24	
25	1013.5	58.6	0	0	1010.9	38.9	0	0	1010.9	38.9	0	0	1009.8	32.8	0	0	25	
26	1013.5	58.6	0	0	1010.8	38.4	0	0	1010.8	38.4	0	0	1009.7	32.4	0	0	26	
27	1013.5	58.6	0	0	1010.7	37.8	0	0	1010.7	37.8	7.2	0	1009.5	31.6	0	0	27	
28	1013.5	58.6	0	0	1010.6	37.3	0	0	1010.6	37.3	0.1	0	1009.4	31.2	0	0	28	
29	1013.5	58.6	0	0	1010.5	36.8	0	0	1010.5	36.8	0	0	1009.3	30.8	0	0	29	
30	1013.5	58.6	0	0	1010.4	36.3	0	0	1010.4	36.3	0	0	1009.2	30.3	0	0	30	
31	1013.5	58.6	0	0	1010.3	35.8	0	0	1010.3	35.8	0	0	1009.0	29.5	0	0	31	
TOTAL																		
Inf. Ac. Ft.	1.0																	563.3
Outf. Ac. Ft.	0																	179.3 + (353.9)
Net Daily Inflow	0.5																	51.0
Net Daily Inflow	0																	0
Storage Change	-25.3																	+29.5

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1023.1	feet	on	12/30/52	Storage	258.0	Ac. Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date	
Min. W. S. Elev.	990.4	feet	Non	Oct. Nov. J.E. ALG. SPT	Storage	0	Ac. Feet	K. M. YORK	Dam Tender	Gage Hts. copied	J.H. HRW	10/15/53	
Max. Peak Inf.	823	C.F.S. from	10:00 A.M.	on	11/15/52	to	10:30 A.M.	on	11/15/52	T. E. MOON	Hydrographer	Storage applied	J.H. HRW
Max. Peak Outf.	25	C.F.S. from	2:30 P.M.	on	1/7/53	to	3:30 P.M.	on	1/7/52		Hydrographer	Inf. & Outf. comp.	J.H. HRW

REMARKS () INDICATES PERCOLATION LOSSES

F. C. Dist. Form 602 Revised 509 11/54

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>DEVIL'S GATE</u> Dam																		
In <u>Arroyo Seco</u> for the Year Ending September 30, 1953																		
Drainage Area <u>31.9</u> Square Miles. Capacity of Reservoir <u>2536.3</u> Ac. Ft. at Spillway Elev. <u>1054.0</u> Ft. as of <u>July</u> 1952 Survey																		
Continuous Water Stage Recorder <u>Au</u> Gage Heights <u>Read Daily</u>																		
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day	
	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Ac. Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1008.9	29.1	0	0	1004.5	1.5	0	0									1	
2	1008.7	28.4	0	0	1004.3	1.5	0	0									2	
3	1008.6	28.0	0	0	1002.4	1.5	0	0									3	
4	1008.4	27.3	0	0	997.9	3.6	0	0									4	
5	1008.3	26.9	0	0	993.5	0.6	0	0									5	
6	1008.2	26.5	0	0	992.8	0.4	0	0									6	
7	1008.0	25.8	0	0	992.3	0.3	0	0									7	
8	1007.9	25.5	0	0	992.2	0.3	0	0									8	
9	1007.8	25.1	0	0	992.1	0.2	0	0									9	
10	1007.6	24.5	0	0	992.1	0.2	0	0									10	
11	1007.5	24.1	0	0	992.1	0.2	0	0									11	
12	1007.3	23.5	0	0	992.1	0.2	0	0									12	
13	1007.2	23.2	0	0	992.1	0.2	0	0									13	
14	1007.0	22.5	0	0	992.0	0	0	0									14	
15	1006.9	22.2	0	0													15	
16	1006.7	21.6	0	0													16	
17	1006.5	21.0	0	0													17	
18	1006.4	20.8	0	0													18	
19	1006.2	20.2	0	0													19	
20	1006.1	19.9	0	0													20	
21	1006.0	19.6	0	0													21	
22	1005.8	19.0	0	0													22	
23	1005.7	18.8	0	0													23	
24	1005.5	18.2	0	0													24	
25	1005.3	17.7	0	0													25	
26	1005.2	17.4	0	0													26	
27	1005.0	16.9	0	0													27	
28	1004.9	16.6	0	0													28	
29	1004.7	16.1	0	0													29	
30	1004.6	15.9	0	0													30	
31																	31	
TOTAL																		
Inf. Ac. Ft.	0																	563.3
Outf. Ac. Ft.	0																	194.0 + (369.3)
Net Daily Inflow	0																	51.0
Net Daily Inflow	0																	0
Storage Change	-13.6																	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1023.1	feet	on	12/30/52	Storage	258.0	Ac. Feet	RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date	
Min. W. S. Elev.	990.4	feet	Non	Oct. Nov. J.E. ALG. SPT	Storage	0	Ac. Feet	K. M. YORK	Dam Tender	Gage Hts. copied	J.H. HRW	10/15/53	
Max. Peak Inf.	823	C.F.S. from	10:00 A.M.	on	11/15/52	to	10:30 A.M.	on	11/15/52	T. E. MOON	Hydrographer	Storage applied	J.H. HRW
Max. Peak Outf.	25	C.F.S. from	2:30 P.M.	on	1/7/53	to	3:30 P.M.	on	1/7/52		Hydrographer	Inf. & Outf. comp.	J.H. HRW

REMARKS

F. C. Div. Form 82A Revised 9/6 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam
In Eaton Wash for the Year Ending September 30, 1952.
Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.2 Ft. as of JANUARY 1952 Survey Gage Heights Read Daily

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	0	0	0	0	846.7	0.4	0	0	849.0	4.6	0	0	855.9	28.1	8.4	29.8	
2	0	0	0	0	846.5	0.4	0	0	848.8	4.3	0	0	857.4	37.2	6.5	0	
3	0	0	0	0	846.2	0.3	0	0	848.6	4.0	0	0	858.1	41.9	4.5	0	
4	0	0	0	0	846.0	0.3	0	0	849.9	6.0	1.4	0	857.9	40.5	1.3	0	
5	0	0	0	0	845.7	0.3	0	0	853.3	15.9	5.9	0	857.5	37.9	1.0	0	
6	0	0	0	0	845.4	0.2	0	0	853.1	15.1	0.7	0	857.3	36.6	0.6	0	
7	0	0	0	0	845.1	0.2	0	0	852.8	14.0	0.5	0	857.8	39.9	2.5	0	
8	0	0	0	0	844.9	0.2	0	0	852.3	12.2	0	0	857.4	37.2	1.0	0	
9	0	0	0	0	844.7	0.2	0	0	851.9	10.9	0	0	857.1	35.3	0.6	0	
10	0	0	0	0	844.5	0.2	0	0	851.6	10.1	0.2	0	856.8	33.4	0.4	0	
11	0	0	0	0	844.4	0.1	0	0	852.3	12.2	1.9	0	856.4	31.0	0.2	0	
12	0	0	0	0	844.3	0.1	0	0	854.5	20.2	5.2	0	864.4	102.5	38.5	0	
13	0	0	0	0	844.2	0.1	0	0	854.4	20.6	7.6	0	862.0	75.6	35.1	4.5	
14	0	0	0	0	844.1	0.1	0	0	853.9	18.4	6.6	0	859.5	52.7	16.0	25.5	
15	0	0	0	0	844.1	0.1	0	0	853.4	16.3	0	0	863.8	95.3	43.6	20.6	
16	0	0	0	0	844.0	0.1	0	0	853.0	14.7	0	0	872.1	224.8	151.3	81.0	
17	0	0	0	0	843.9	0.1	0	0	852.7	13.6	0	0	877.4	351.8	89.2	19.1	
18	0	0	0	0	843.9	0.1	0	0	852.4	12.6	0	0	873.6	256.4	127.0	169.1	
19	0	0	0	0	851.7	10.4	5.4	0	852.1	11.5	0	0	867.4	143.1	41.0	9.2	
20	0	0	0	0	853.1	15.1	3.2	0	851.7	10.4	0	0	866.5	130.0	21.8	25.1	
21	0	0	0	0	852.6	13.3	0	0	851.1	8.7	0	0.3	866.4	128.6	15.7	13.2	
22	0	0	0	0	852.0	11.2	0	0	850.8	7.5	0	0	865.9	121.7	11.2	11.5	
23	0	0	0	0	851.4	9.5	0	0	849.9	6.0	0	0	865.0	109.8	8.3	11.3	
24	846.2	0.3	0.4	0	851.1	8.4	0	0	849.4	5.2	0	0	863.5	91.9	4.4	11.0	
25	849.9	1.4	0.8	0	850.8	8.0	0	0	848.9	4.5	0	0	862.7	83.0	8.4	10.7	
26	848.9	1.0	0	0	850.2	6.6	0	0	848.4	3.8	0	0	861.4	69.7	2.1	6.8	
27	848.2	0.7	0	0	849.9	6.0	0	0	848.0	3.2	0	0	861.4	69.7	1.6	0	
28	847.7	0.5	0	0	849.7	5.7	0	0	847.6	2.8	0	0	861.3	69.7	1.0	0	
29	847.4	0.5	0	0	849.4	5.2	0	0	856.4	31.0	15.3	0	861.2	67.8	1.0	0	
30	847.1	0.4	0	0	849.2	4.9	0	0	866.3	127.2	52.7	0	861.1	66.8	0.9	0	
31	846.9	0.4	0	0					861.9	74.6	17.9	39.0	861.0	65.8	0.8	0	
TOTAL																	
Inf. Ac. Ft.																	
Out. Ac. Ft.																	
Net Change																	
Max. Daily Inflow																	
Min. Daily Inflow																	
Max. Daily Outflow																	
Storage Change																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: H. E. Wilson (Dam Tender), T. E. Moon (Hydrographer)

COMPUTATIONS: J.H.L. (Gage Hts. copied), J.H.L. (Storage applied), J.H.L. (Inf. & Outf. comp.)

REMARKS: () Indicates Average for Period, () Indicates Percolation and Evaporation Losses.

F. C. Div. Form 82B Revised 9/6 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of EATON WASH Dam
In Eaton Wash for the Year Ending September 30, 1952.
Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.2 Ft. as of JANUARY 1952 Survey Gage Heights Read Daily

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	860.9	64.9	0.5	0	856.6	32.2	0.5	0	868.8	165.1	4.8	0	859.0	48.6	1.1	0	
2	860.8	64.0	0.5	0	856.4	31.0	0	0	868.9	166.7	4.0	0	859.0	48.6	0.9	0	
3	860.6	63.2	0.5	0	856.2	29.8	0	0	868.9	166.7	3.2	0	859.0	48.6	0.8	0	
4	860.3	59.5	0.4	0	855.8	28.6	0	0	868.8	168.1	2.4	0	858.9	47.9	0.5	0	
5	860.2	58.6	0.3	0	855.8	27.6	0	0.1	868.6	161.9	2.0	0	858.9	47.9	0.4	0	
6	860.0	56.8	0.3	0	855.0	28.6	1.0	0	868.5	160.2	1.9	0	858.8	47.1	0.4	0	
7	859.9	56.0	0.3	0	850.9	64.9	35.3	15.9	869.7	180.3	14.0	0	858.7	46.4	0.4	0	
8	859.9	56.0	0.3	0	855.3	25.0	2.4	21.4	870.9	201.8	15.0	0	858.6	45.6	0.4	0	
9	859.7	54.3	0.3	0	855.4	25.5	1.3	0	871.4	211.3	9.2	0	858.5	44.9	0.3	0	
10	859.6	53.5	0.3	0	858.6	45.6	11.2	0	871.9	220.9	9.4	0	858.4	44.2	0.3	0	
11	859.4	51.9	0.1	0	860.6	62.2	9.5	0	872.3	229.0	8.9	0	858.4	44.2	0.3	0	
12	859.2	50.2	0.1	0	861.7	72.7	9.7	0	872.4	231.0	5.9	0	858.3	43.4	0.2	0	
13	859.1	49.4	0	0	862.2	77.7	4.0	0	872.5	232.0	3.9	0	857.5	37.9	0.2	2.6	
14	858.9	47.9	0	0	862.4	79.8	2.7	0	872.6	232.8	3.9	0	856.2	29.8	0.2	3.2	
15	858.7	46.4	0	0	870.5	194.5	77.6	16.5	871.6	215.1	2.6	1.7	854.8	22.6	0.2	3.6	
16	858.5	44.9	0	0	850.4	192.7	54.7	50.6	867.7	147.7	1.2	31.5	853.3	15.9	0.2	3.2	
17	858.4	44.2	0.2	0	870.6	196.3	26.4	19.6	864.1	98.8	2.8	24.4	850.2	6.6	0.1	4.6	
18	858.2	42.7	0	0	870.8	200.0	18.8	11.9	862.4	79.8	3.9	11.1	845.0	1.8	0.1	2.4	
19	858.0	41.2	0	0	871.0	203.6	18.8	12.6	861.9	94.6	8.7	9.0					
20	857.8	39.9	0	0	871.1	205.5	17.7	12.3	860.8	64.0	3.3	6.9					
21	857.7	39.2	0	0	870.8	200.0	13.5	12.3	858.5	44.9	2.2	10.0					
22	857.5	37.9	0	0	870.5	194.5	13.5	12.3	856.0	28.6	2.2	9.1					
23	857.3	36.6	0	0	869.9	183.7	12.1	12.3	851.3	9.2	2.2	9.7					
24	857.1	35.3	0	0	869.4	175.1	12.0	12.3	852.4	12.6	2.1	0.9					
25	856.9	34.0	0	0	869.1	170.0	12.0	11.8	855.2	24.4	6.5	0					
26	856.8	33.4	0	0	869.0	168.3	12.0	10.3	856.5	31.6	4.5	0					
27	856.6	32.2	0	0	868.8	163.1	11.9	10.2	857.0	34.6	2.5	0					
28	856.4	31.0	0	0	868.4	158.6	10.2	10.2	857.9	40.5	4.2	0					
29	856.3	30.2	1.1	0	867.9	150.7	9.4	10.2	858.7	46.4	4.2	0					
30					868.1	153.8	8.5	3.7									
31					868.6	161.9	7.3	0									
TOTAL																	
Inf. Ac. Ft.																	
Out. Ac. Ft.																	
Net Change																	
Max. Daily Inflow																	
Min. Daily Inflow																	
Max. Daily Outflow																	
Storage Change																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

RECORDS COLLECTED BY: H. E. Wilson (Dam Tender), T. E. Moon (Hydrographer)

COMPUTATIONS: J.H.L. (Gage Hts. copied), J.H.L. (Storage applied), J.H.L. (Inf. & Outf. comp.)

REMARKS: () Indicates Average for Period, () Indicates Percolation and Evaporation Losses, Storage in Pits Only.

F. C. Dist. Form 880 Revised 6/6 11/54

Daily Gage Height in feet and Operation Record of EATON WASH Dam															DAM OPERATION RECORD			
In Eaton Wash for the Year Ending September 30, 1952															LOS ANGELES COUNTY			
On															FLOOD CONTROL DISTRICT			
Drainage Area 9.43 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.2 Ft. as of January 1952 Survey															HYDRAULIC DIVISION			
															Continuous Water Stage Recorder Au			
															Gage Heights Read Daily			
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day	
	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow		
1	845.2	1.4	0.1	0.1	1.1					1.0				0.5				1
2	1.4		0.1	0.1														2
3	1.4		0.1	0.1														3
4	1.4		0.1	0.1														4
5	1.4		0.1	0.1														5
6	1.4		0.1	0.1														6
7	1.4		0.1	0.1														7
8	1.4		0.1	0.1														8
9	1.4		0.1	0.1														9
10	1.4		0.1	0.1														10
11	1.4																	11
12	1.4																	12
13	1.3																	13
14	1.3																	14
15	1.3																	15
16	1.3																	16
17	1.3																	17
18	1.3																	18
19	1.3		0.5											0.2				19
20	1.3																	20
21	1.3																	21
22	1.3																	22
23	1.3																	23
24	1.2																	24
25	1.2													0				25
26	1.2																	26
27	1.2																	27
28	1.2																	28
29	1.2																	29
30	1.1																	30
31																		31
TOTAL																		
Infl. Ac. Ft. 1.3																		
Outfl. Ac. Ft. 2.6																		
Net Change + (0.9)																		
Max. Daily Inflow 0.1																		
Min. Daily Inflow 0																		
Storage Change -0.3																		
NOTE: Gage Heights and Storage as of Midnight on Day Shown																		
RECORDS COLLECTED BY H. E. Wilson																		
COMPUTATIONS Gage Hts. copied JHL HRW 12/29/52																		
Storage applied JHL HRW 12/29/52																		
Inf. & Outfl. comp. JHL HRW 12/29/52																		
Yearly Totals 209.6 + (615.8)																		
191.3																		
0																		

F. C. Dist. Form 88A Revised 6/6 11/54

Daily Gage Height in feet and Operation Record of EATON WASH Dam															DAM OPERATION RECORD			
In Eaton Wash for the Year Ending September 30, 1953															LOS ANGELES COUNTY			
On															FLOOD CONTROL DISTRICT			
Drainage Area 9.48 Square Miles. Capacity of Reservoir 703.0 Ac. Ft. at Spillway Elev. 887.5 Ft. as of January 1952 Survey															HYDRAULIC DIVISION			
															Continuous Water Stage Recorder Au			
															Gage Heights Read daily			
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day	
	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Ac. Ft. Storage	C. F. S. Inflow	C. F. S. Outflow		
1					841.0				858.6	45.6	17.8	0	857.4	37.2	0	0	1	
2									859.9	56.0	7.5	0	857.2	35.9	0	0	2	
3									859.4	51.9	0	0	857.0	34.6	0	0	3	
4									858.9	47.9	0	0	856.7	32.8	0	0	4	
5									858.5	44.9	0	0	856.5	31.6	0	0	5	
6									858.1	41.9	0	0	856.4	31.0	0.3	0	6	
7									857.7	39.2	0	0	856.9	34.0	2.3	0	7	
8									857.4	37.2	0	0	856.6	32.2	0	0	8	
9					848.6	0.8	0.8	0	857.1	35.3	0	0	856.4	31.0	0	0	9	
10					847.8	0.6	0	0	856.8	33.4	0	0	856.2	29.8	0	0	10	
11					846.9	0.4	0	0	856.5	31.6	0	0	856.0	28.6	0	0	11	
12					846.4	0.3	0	0	856.3	30.4	0	0	855.8	27.6	0	0	12	
13					845.9	0.3	0	0	856.1	29.2	0	0	855.7	27.0	0.2	0	13	
14					851.4	5.6	3.1	0	855.9	28.1	0	0	855.6	26.5	0.2	0	14	
15					856.6	32.2	14.3	0	855.6	26.5	0	0	855.4	25.5	0	0	15	
16					856.2	29.8	0.3	0	855.4	25.5	0	0	855.2	24.4	0	0	16	
17					855.7	27.0	0	0	855.3	25.0	0.3	0	855.0	23.4	0	0	17	
18					855.2	24.4	0	0	855.1	23.9	0	0	854.9	22.9	0	0	18	
19					854.8	22.5	0	0	854.9	22.9	0	0	854.7	22.0	0	0	19	
20					854.4	20.6	0	0	854.5	21.9	0.7	0	854.5	21.1	0	0	20	
21					854.1	19.3	0	0	854.3	20.6	0.4	0	854.4	20.6	0	0	21	
22					854.1	19.3	0.7	0	854.0	19.3	0	0	854.3	20.2	0	0	22	
23					853.8	18.0	0.1	0	853.8	18.0	0	0	854.2	19.7	0	0	23	
24					853.5	16.8	0	0	853.5	16.8	0	0	854.0	18.8	0	0	24	
25					853.2	15.5	0	0	853.3	16.8	0	0	853.9	18.4	0	0	25	
26					853.0	14.7	0	0	853.1	16.8	0	0	853.7	17.6	0	0	26	
27					852.7	13.6	0	0	852.9	16.8	0	0	853.6	17.2	0	0	27	
28					852.5	13.0	0	0	852.6	16.8	2.7	0	853.5	16.8	0	0	28	
29					852.3	12.2	0.1	0	852.4	16.8	0	0	853.4	16.3	0	0	29	
30					852.1	11.6	0	0	852.8	16.8	5.3	0	853.3	15.9	0	0	30	
31									852.7	16.8	0.7	0	853.1	15.1	0	0	31	
TOTAL																		
Infl. Ac. Ft. 38.5																		
Outfl. Ac. Ft. 0																		
Net Change + (38.5)																		
Max. Daily Inflow 14.3																		
Min. Daily Inflow 0																		
Storage Change +11.6																		
NOTE: Gage Heights and Storage as of Midnight on Day Shown																		
RECORDS COLLECTED BY H. E. WILSON																		
COMPUTATIONS Gage Hts. copied JHL HRW 12/29/52																		
Storage applied JHL HRW 12/29/52																		
Inf. & Outfl. comp. JHL HRW 12/29/52																		
Yearly Totals 130.6																		
0 + (115.6)																		
2.3																		
17.8																		
0																		
+15.1																		

F. O. Dist. Form 808 Revised 6-66 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>EATON WASH</u> Dam														Continuous Water Stage Recorder <u>AU</u>			
for the Year Ending September 30, 19 <u>53</u>														Gage Heights <u>Read daily.</u>			
Drainage Area <u>9.18</u> Square Miles. Capacity of Reservoir <u>793</u> Ac. Ft. at Spillway Elev. <u>897.5</u> Ft. as of <u>January</u> 19 <u>52</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	853.0	14.7	0	0	852.1	11.6	2.1	0	850.9	7.9	0	0	850.6	3.7	0	0	1
2	852.9	14.4	0	0	851.9	10.9	0.3	0	850.9	7.8	0	0	850.5	3.6	0	0	2
3	852.8	14.0	0	0	851.8	10.6	0	0	850.8	7.5	0	0	850.3	3.4	0	0	3
4	852.6	13.3	0	0	851.7	10.4	0	0	850.7	7.0	0	0	850.1	3.2	0	0	4
5	852.5	13.0	0	0	851.6	10.1	0	0	850.7	6.7	0	0	850.0	3.0	0	0	5
6	852.4	12.6	0	0	851.5	9.8	0	0	850.6	6.3	0	0	849.9	2.9	0	0	6
7	852.3	12.2	0	0	851.4	9.5	0	0	850.5	6.0	0	0	849.8	2.9	0	0	7
8	852.2	11.9	0	0	851.2	9.0	0	0	850.5	5.8	0	0	849.8	2.8	0	0	8
9	852.1	11.5	0	0	851.1	8.7	0	0	850.4	5.5	0	0	849.7	2.8	0	0	9
10	852.0	11.2	0	0	851.0	8.4	0	0	850.3	5.2	0	0	849.6	2.7	0	0	10
11	851.9	10.9	0	0	850.9	8.2	0	0	850.2	4.9	0	0	849.5	2.6	0	0	11
12	851.9	10.9	0	0	850.8	8.0	0	0	850.2	4.9	0	0	849.5	2.6	0	0	12
13	851.8	10.6	0	0	850.7	7.7	0	0	850.1	4.6	0	0	849.4	2.5	0	0	13
14	851.7	10.4	0	0	850.6	7.5	0	0	850.0	4.3	0	0	849.3	2.5	0	0	14
15	851.6	10.1	0	0	850.5	7.3	0	0	850.0	4.2	0	0	848.3	2.2	0	0	15
16	851.5	9.8	0	0	850.4	7.1	0	0	849.9	4.1	0	0	848.2	1.2	0	0	16
17	851.5	9.8	0	0	850.3	6.9	0	0	849.8	3.9	0	0	848.2	1.2	0	0	17
18	851.4	9.5	0	0	850.2	6.6	0	0	849.7	3.7	0	0	848.1	1.1	0	0	18
19	851.3	9.2	0	0	850.2	6.4	0	0	849.6	3.6	0	0	848.1	1.1	0	0	19
20	851.2	9.0	0	0	850.1	6.2	0	0	849.5	3.5	0	0	848.0	1.1	0	0	20
21	851.2	9.0	0	0	850.1	6.0	0	0	849.4	3.4	0	0	847.9	1.0	0	0	21
22	851.1	8.7	0	0	851.1	6.0	0	0	849.3	3.3	0	0	847.8	1.0	0	0	22
23	851.1	8.7	0	0	851.1	6.0	0	0	849.3	3.3	0	0	847.8	1.0	0	0	23
24	851.1	8.7	0	0	851.1	6.0	0	0	849.3	3.3	0	0	847.8	1.0	0	0	24
25	851.0	8.4	0	0	851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	25
26	850.9	8.2	0	0	851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	26
27	850.9	8.2	0	0	851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	27
28	850.8	8.0	0	0	851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	28
29					851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	29
30					851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	30
31					851.0	5.8	0	0	849.2	3.2	0	0	847.7	0.9	0	0	31
TOTAL		0.2	0	0			5.6	0			1.3	0					
Inf. Ac. Ft.	0.4				11.1				2.6				144.7				
Outf. Ac. Ft.	0.4				11.1				2.6				144.7				
Net Daily Inflow	0.1				3.0				1.1				17.8				
Net Daily Outflow	0				0				0				0				
Storage Change	-7.1				+0.2				-4.3				** 3.6				

NOTE: Gage Heights and Storage as of Midnight on Day Shown

REMARKS: () INDICATES PERCOLATION LOSSES. * RESERVOIR GAGE HEIGHTS, STORAGE IN SEPARATE PITS. ** STORAGE IN PITS ONLY W.S. ELEV. OF LOWER PIT ONLY SHOWN. *** 1.3 A.F. LOSS DUE TO SILTATION

F. O. Dist. Form 808 Revised 6-66 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>EATON WASH</u> Dam														Continuous Water Stage Recorder <u>AU</u>			
for the Year Ending September 30, 19 <u>53</u>														Gage Heights <u>Read daily.</u>			
Drainage Area <u>9.18</u> Square Miles. Capacity of Reservoir <u>793</u> Ac. Ft. at Spillway Elev. <u>897.5</u> Ft. as of <u>JANUARY</u> 19 <u>52</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	846.4	0.2	0	0													1
2	846.2	0.2	0	0													2
3	846.0	0.1	0	0													3
4	845.8	0.1	0	0													4
5	845.6		0	0													5
6	845.4	FOOT	0	0													6
7	845.3		0	0													7
8	845.1		0	0													8
9	845.1		0	0													9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL																	
Inf. Ac. Ft.	0				0				0				144.7				
Outf. Ac. Ft.	0				0				0				0 + (143.1)				
Net Daily Inflow	0				0				0				17.8				
Net Daily Outflow	0				0				0				0				
Storage Change	-0.3				0				0				** (1.3)***				

NOTE: Gage Heights and Storage as of Midnight on Day Shown

REMARKS: () INDICATES PERCOLATION LOSSES. ** STORAGE IN PIT ONLY. *** 1.3 A.F. LOSS IN RESERVOIR DUE TO SILTATION.

F. C. Dist. Form 48A Revised 500 11/44

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam																		
In <u>Big Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>727.6</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January</u> 19 <u>52</u> Survey																		
Gage Heights <u>Read Daily</u>																		
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day	
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow		
1	1251.9	165.9	0.1	0.6	1245.7	136.7	0.2	0.6	1247.4	144.5	0.6	0.6	1256.9	191.9	18.6	35.1	1	
2	1251.7	164.9	0.1	0.6	1245.5	135.8	0.2	0.6	1247.7	145.7	1.3	0.6	1249.9	156.1	9.9	27.8	2	
3	1251.5	163.9	0.1	0.6	1245.3	134.9	0.2	0.6	1247.5	146.2	0.9	0.6	1249.7	155.2	7.4	27.4	3	
4	1251.3	162.9	0.1	0.6	1245.1	134.0	0.2	0.6	1247.3	147.6	1.3	0.6	1250.7	160.0	5.7	3.3	4	
5	1251.1	161.9	0.1	0.6	1244.9	133.2	0.2	0.6	1247.2	147.4	1.0	0.6	1251.4	163.4	5.0	3.3	5	
6	1250.9	160.9	0.1	0.6	1244.7	132.3	0.2	0.6	1247.1	147.4	1.0	0.6	1251.8	165.4	4.3	3.3	6	
7	1250.7	160.0	0.1	0.6	1244.5	131.4	0.2	0.6	1247.0	147.5	2.1	0.6	1253.1	171.9	6.9	3.6	7	
8	1250.5	159.0	0.1	0.6	1244.4	131.0	0.2	0.6	1246.9	147.9	1.9	0.6	1253.6	174.5	4.9	3.6	8	
9	1250.3	158.0	0.1	0.6	1244.2	130.1	0.2	0.6	1246.9	148.2	1.7	0.6	1253.9	176.0	4.4	3.6	9	
10	1250.1	157.1	0.1	0.6	1244.1	129.6	0.2	0.6	1246.8	148.8	1.4	0.6	1254.1	177.0	4.1	3.6	10	
11	1249.9	156.1	0.1	0.6	1244.0	129.2	0.2	0.6	1246.5	149.4	1.4	0.6	1254.1	177.0	3.6	3.6	11	
12	1249.7	155.2	0.1	0.6	1243.8	128.3	0.3	0.6	1246.5	149.4	3.6	5.6	1253.8	177.0	5.7	3.0	12	
13	1249.5	154.2	0.1	0.6	1243.7	127.9	0.3	0.6	1246.5	149.5	3.8	11.6	1254.6	176.0	7.8	4.4	13	
14	1249.3	153.2	0.1	0.6	1243.5	127.5	0.3	0.6	1246.5	150.0	3.0	8.0	1249.0	151.8	21.9	6.4	14	
15	1249.1	152.3	0.1	0.6	1243.4	126.6	0.3	0.6	1246.4	150.0	2.6	2.1	1251.8	153.5	47.5	1.4	15	
16	1248.8	150.9	0.1	0.6	1243.3	126.2	0.3	0.6	1246.3	150.4	2.3	2.1	1254.0	152.6	551.2	344.6	16	
17	1248.6	149.9	0.1	0.6	1243.2	125.8	0.3	0.6	1246.2	150.0	1.9	2.1	1251.0	151.7	127.6	136.5	17	
18	1248.5	149.5	0.1	0.6	1243.1	125.3	0.3	0.6	1246.2	150.0	2.1	2.1	1250.0	150.9	211.2	214.1	18	
19	1248.3	148.5	0.1	0.6	1243.0	125.8	0.6	0.6	1246.1	150.9	2.6	2.1	1255.6	148.7	98.5	78.6	19	
20	1248.1	147.6	0.1	0.6	1242.9	125.5	0.7	0.6	1246.0	151.4	2.3	2.1	1255.8	148.7	61.8	64.3	20	
21	1247.9	146.6	0.1	0.6	1242.8	125.2	0.6	0.6	1245.9	151.9	1.9	2.1	1256.5	148.1	48.0	45.8	21	
22	1247.7	145.7	0.1	0.6	1242.7	124.8	1.0	0.6	1245.8	152.4	1.9	2.1	1256.5	148.1	38.2	35.0	22	
23	1247.5	144.8	0.2	0.6	1242.6	124.4	0.9	0.6	1245.7	152.9	1.7	2.1	1257.1	147.5	33.7	35.0	23	
24	1247.3	143.9	0.2	0.6	1242.5	124.3	0.8	0.6	1245.6	153.5	1.6	2.1	1256.6	146.7	30.2	31.8	24	
25	1247.1	143.0	0.2	0.6	1242.4	124.3	0.7	0.6	1245.5	154.0	1.3	1.6	1256.0	145.6	35.0	30.5	25	
26	1246.9	142.1	0.2	0.6	1242.3	124.8	0.7	0.6	1245.4	154.0	1.3	1.3	1256.4	145.2	32.3	31.0	26	
27	1246.7	141.2	0.2	0.6	1242.2	124.8	0.6	0.6	1245.4	154.5	1.3	1.1	1257.9	144.7	29.4	31.0	27	
28	1246.5	140.3	0.2	0.6	1242.1	124.3	0.5	0.6	1245.4	154.5	1.2	1.1	1257.0	144.2	27.6	30.5	28	
29	1246.3	139.4	0.2	0.6	1242.0	124.3	0.5	0.5	1245.3	154.5	1.9	10.9	1257.8	143.6	24.0	21.4	29	
30	1246.1	138.5	0.2	0.6	1241.9	124.3	0.5	0.6	1245.3	154.3	7.0	35.1	1259.6	143.1	21.0	15.1	30	
31	1246.0	138.0	0.2	0.6	1241.8	124.3	0.5	0.6	1245.3	154.3	31.1	40.0	1270.5	142.4	18.0	15.0	31	
TOTAL			4.0	18.6			21.1	17.9			185.4	143.9			1467.7	1443.8		
Inf. Ac. Ft.			7.9				41.9				367.7				2911.4	3328.5		
Outf. Ac. Ft.				36.9				35.5				285.4			2863.7	3221.5		
Net Inflow			0.2				7.1				70.3				351.2	351.2		
Net Daily Inflow			0.1				0.2				0.6				3.6	3.6		0.1
Storage Change			-28.9				+6.3				+82.3				+47.5	+107.2		
NOTE: Gage Heights and Storage as of Midnight on Day Shown																		
RECORDS COLLECTED BY																		
K. A. Shipley Dam Tender																		
T. E. Moon Hydrographer																		
COMPUTATIONS																		
Gage Hts. copied J.H. HW																		
Storage applied J.H. HW																		
Inf. & Outf. comp. J.H.																		
REMARKS																		
(Indicates Average for Period.																		

F. C. Dist. Form 48B Revised 500 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam																	
In <u>Big Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>52</u>																	
Drainage Area <u>6.3</u> Square Miles. Capacity of Reservoir <u>727.6</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January</u> 19 <u>52</u> Survey																	
Gage Heights <u>Read Daily</u>																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1271.1	278.1	14.5	12.5	1265.8	243.7	10.6	6.2	1265.7	243.0	35.9	52.4	1269.2	265.4	12.2	11.5	1
2	1271.8	282.9	13.6	11.2	1266.1	245.5	7.1	6.2	1248.3	148.5	23.9	71.6	1270.1	271.4	11.9	8.9	2
3	1272.8	289.9	12.5	8.9	1264.4	235.0	5.8	11.1	1229.0	71.1	22.0	61.0	1272.5	287.8	11.8	8.9	3
4	1272.9	290.6	11.7	11.4	1260.6	212.6	5.8	17.1	1181.0	0	20.3	56.1	1274.6	302.9	11.3	3.6	4
5	1271.7	282.2	11.0	15.2	1259.2	204.6	5.6	9.6			18.6	18.6	1276.5	317.1	10.8	3.7	5
6	1271.0	277.4	10.4	12.8	1259.5	206.3	5.7	4.9			16.9	16.9	1278.3	331.0	10.8	3.8	6
7	1269.6	268.1	9.9	14.6	1266.5	248.1	4.6	25.5			36.0	36.0	1280.1	345.2	11.0	3.8	7
8	1267.2	252.5	9.5	17.4	1266.6	248.7	25.9	25.6			29.0	29.0	1281.7	358.2	10.4	3.9	8
9	1264.7	236.9	9.2	17.1	1263.0	226.6	15.1	26.2			24.0	24.0	1283.2	370.6	10.3	4.0	9
10	1262.5	223.7	8.2	15.4	1263.1	227.2	23.6	21.3			24.0	24.0	1284.7	383.3	10.4	4.0	10
11	1260.2	210.3	8.5	15.3	1269.0	264.1	30.9	12.3	1204.9	14.1	21.3	14.2	1286.0	394.4	9.6	4.0	11
12	1257.9	197.4	8.3	14.8	1270.7	275.4	26.4	20.7	1222.9	51.9	30.7	1.6	1287.2	404.9	9.3	4.0	12
13	1258.0	197.9	8.0	7.7	1270.1	271.4	26.0	28.0	1234.5	90.0	30.1	0.9	1288.4	415.6	9.4	4.0	13
14	1259.9	208.5	7.8	2.5	1267.8	256.3	24.0	31.7	1241.4	118.2	19.3	5.1	1289.6	426.5	9.5	4.0	14
15	1261.3	216.6	7.6	3.5	1275.2	307.3	95.7	69.9	1241.1	116.9	19.1	19.8	1290.7	436.6	9.1	4.0	15
16	1262.1	221.3	7.3	4.9	1269.7	268.7	106.5	126.0	1243.5	127.1	18.2	13.0	1291.7	446.1	8.9	4.1	16
17	1262.8	225.4	7.1	5.1	1265.8	243.7	72.2	84.8	1247.3	143.9	17.6	9.2	1292.6	454.7	8.4	4.1	17
18	1263.4	229.0	6.9	5.0	1268.2	258.9	59.8	52.2	1231.5	163.9	17.1	7.0	1293.4	462.4	8.0	4.1	18
19	1263.9	232.0	6.7	5.2	1271.6	281.5	54.2	42.8	1235.8	183.9	16.7	5.6	1294.2	470.2	8.0	4.1	19
20	1264.2	233.8	6.5	5.0	1272.7	282.2	47.2	43.2	1239.4	205.7	15.7	5.7	1294.7	479.1	7.9	4.1	20
21	1264.3	234.4	6.3	5.0	1272.4	287.1	42.4	43.4	1262.0	220.7	14.9	7.3	1292.6	484.7	7.9	4.1	21
22	1264.3	234.4	6.0	6.0	1270.9	275.7	37.9	43.2	1262.8	225.4	13.2	10.9	1287.3	495.8	7.9	3.6	22
23	1264.3	234.4	6.0	6.0	1268.6	261.5	35.1	42.7	1263.4	229.0	12.9	11.0	1283.9	476.5	7.9	3.8	23
24	1264.2	233.8	5.7	6.0	1266.0	244.9	33.7	42.1	1263.9	232.0	12.6	11.1	1282.0	460.7	7.9	15.3	24
25	1264.0	232.6	5.4	6.0	1266.5	248.1	35.3	33.7	1265.7	243.0	16.7	11.2	1280.0	444.4	7.9	15.3	25
26	1263.8	231.4	5.4	6.0	1269.2	265.4	36.7	28.0	1266.7	249.3	14.4	11.2	1278.1	429.4	7.8	15.3	26
27	1263.6	230.2	5.4	6.0	1271.5	280.9	36.8	29.0	1267.4	253.8	13.7	11.3	1276.1	414.1	7.8	15.2	27
28	1263.3	228.4	5.1	6.0	1272.9	290.6	33.9	29.0	1268.0	257.6	13.6	11.4	1274.0	398.5	7.8	15.0	28
29	1264.4	235.0	9.4	6.1	1273.7	295.3	31.9	29.0	1268.7	262.2	13.3	11.4	1271.8	382.9	7.8	14.6	29
30																	

F. C. Dist. Form 800 Revised 8-68 11/54

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam														Continuous Water Stage Recorder <u>A</u>			
In <u>Big Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>52</u> .														Gage Heights <u>Read Daily</u>			
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>727.6</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January</u> 19 <u>47</u> Survey														Gage Heights <u>Read Daily</u>			
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1265.3	240.6	7.4	13.2	1270.9	276.7	4.2	3.7	1271.5	280.9	2.8	2.5	1272.0	284.3	1.6	1.6	1
2	1263.7	230.8	7.3	12.8	1271.1	278.1	4.2	3.7	1271.6	281.5	2.8	2.5	1272.0	284.3	1.6	1.6	2
3	1262.1	221.3	7.3	12.4	1271.2	278.8	4.2	3.5	1271.6	281.5	2.8	2.5	1272.0	284.3	1.6	1.6	3
4	1260.5	212.0	7.3	12.0	1271.3	279.5	4.2	3.5	1271.7	282.2	2.8	2.5	1272.0	284.3	1.6	1.6	4
5	1258.9	202.9	7.3	11.5	1271.4	280.2	4.2	3.5	1271.8	282.9	2.7	2.5	1272.0	284.3	1.6	1.6	5
6	1257.7	201.8	5.7	6.6	1271.3	279.5	3.5	3.5	1271.8	282.9	2.7	2.5	1272.0	284.3	1.6	1.6	6
7	1259.2	204.6	5.7	3.9	1271.3	279.5	3.5	3.5	1271.8	282.9	2.7	2.5	1272.0	284.3	1.6	1.6	7
8	1259.5	206.9	5.7	4.1	1271.3	279.5	3.5	3.5	1271.9	283.6	2.6	2.5	1272.0	284.3	1.6	1.6	8
9	1260.0	209.1	5.7	4.5	1271.3	279.5	3.4	3.5	1271.9	283.6	2.6	2.5	1272.0	284.3	1.6	1.6	9
10	1261.7	213.0	5.7	4.8	1271.2	278.8	3.4	3.5	1272.0	284.3	2.5	2.5	1271.9	283.6	1.5	1.6	10
11	1260.6	212.6	5.7	5.0	1271.1	278.1	3.4	3.5	1272.0	284.3	2.5	2.5	1271.9	283.6	1.5	1.6	11
12	1261.1	215.5	5.7	4.5	1271.0	277.4	3.4	3.5	1272.0	284.3	2.5	2.5	1272.0	284.3	1.6	1.6	12
13	1261.9	220.1	5.7	3.6	1271.0	277.4	3.4	3.5	1272.1	285.0	2.5	2.5	1272.0	284.3	1.6	1.6	13
14	1262.6	224.2	5.7	3.6	1270.9	276.7	3.4	3.5	1272.1	285.0	2.5	2.5	1272.1	285.0	1.6	1.6	14
15	1263.3	228.4	5.7	3.6	1270.9	276.7	3.3	3.5	1272.0	284.3	2.5	2.5	1272.1	285.0	1.6	1.6	15
16	1263.9	232.0	5.5	3.6	1270.8	276.1	3.2	3.5	1271.9	283.6	2.2	2.5	1272.1	285.0	1.6	1.6	16
17	1264.4	235.0	5.1	3.6	1270.7	275.4	3.2	3.5	1271.8	282.9	2.2	2.5	1272.0	284.3	1.6	1.6	17
18	1264.9	238.1	5.1	3.6	1270.7	275.4	3.2	3.5	1271.7	282.2	2.2	2.5	1272.0	284.3	1.6	1.6	18
19	1265.2	240.6	4.8	3.6	1270.5	274.1	3.2	3.5	1271.5	281.5	2.1	2.5	1271.9	283.6	1.6	1.6	19
20	1265.7	243.0	4.8	3.6	1270.3	272.7	3.2	3.5	1271.3	280.9	2.1	2.5	1271.9	283.6	1.6	1.6	20
21	1266.2	245.2	5.3	3.7	1270.1	271.4	3.2	3.5	1271.4	280.2	1.9	2.5	1271.9	283.6	1.6	1.6	21
22	1266.7	249.3	5.3	3.7	1269.9	270.0	3.1	3.5	1271.3	280.9	1.9	1.9	1271.9	283.6	1.6	1.6	22
23	1267.2	252.5	5.3	3.7	1270.0	270.7	3.1	2.9	1271.5	281.5	1.9	1.9	1271.9	283.6	1.6	1.6	23
24	1267.7	255.7	5.3	3.7	1270.2	272.0	3.1	2.5	1271.7	282.2	1.9	1.9	1271.9	283.6	1.6	1.6	24
25	1268.3	259.6	5.7	3.7	1270.4	273.4	3.1	2.5	1271.7	282.2	1.9	1.9	1271.8	282.9	1.5	1.6	25
26	1268.9	263.5	5.6	3.7	1270.5	274.1	3.1	2.5	1271.8	282.9	1.8	1.6	1271.8	282.9	1.5	1.6	26
27	1269.4	266.7	5.4	3.7	1270.7	275.4	3.1	2.5	1271.9	283.6	1.8	1.6	1271.7	282.2	1.5	1.6	27
28	1269.9	270.0	5.3	3.7	1270.8	276.1	3.1	2.5	1271.9	283.6	1.8	1.6	1271.7	282.2	1.5	1.6	28
29	1270.3	272.7	5.1	3.7	1271.0	277.4	3.1	2.5	1272.0	284.3	1.8	1.6	1271.7	282.2	1.5	1.6	29
30	1270.6	274.7	4.7	3.7	1271.2	278.8	3.0	2.5	1272.0	284.3	1.8	1.6	1271.7	282.2	1.5	1.6	30
31	1270.6	274.7	4.7	3.7	1271.4	280.2	3.0	2.5	1272.0	284.3	1.7	1.6	1271.7	282.2	1.5	1.6	31
TOTAL		172.0	141.1			105.1	102.3			70.5	65.5			46.9	48.0		
Inf. Ac. Ft.		341.2				208.5				140.0				93.0	8407.7		
Out. Ac. Ft.			319.5				202.9				134.9			95.2	8292.0		
Net Daily Inflow			7.4			4.2				2.8				1.6	351.2		
Net Daily Outflow			4.7			3.0				1.7				1.3	0.1		
Storage Change		+21.5				+5.5				+4.1				-2.1	+115.3		

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1255.5	feet	on	5/21/52	Storage	455.	Acres Feet
Min. W. S. Elev.	1181.	feet	on	4/9/52	Storage	0	Acres Feet
Max. Peak Inf.	37.	C.F.S. from	2:00 A.M. on	1/16/52	to	2:45 A.M. on	1/16/52
Max. Peak Outf.	478.	C.F.S. from	6:00 A.M. on	1/16/52	to	6:30 A.M. on	1/16/52

RECORDS COLLECTED BY
K. A. SHIPLEY Dam Tender
T. E. MOON Hydrographer

COMPUTATIONS
Gage Hts. copied JHL HW
Storage applied JHL HW
Inf. & Outf. comp. JHL HW

REMARKS () Indicates Average for Period.

F. C. Dist. Form 800 Revised 8-68 11/54

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam														Continuous Water Stage Recorder <u>A</u>			
In <u>Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>53</u> .														Gage Heights <u>Read Daily</u>			
Drainage Area <u>10.8</u> Square Miles. Capacity of Reservoir <u>727.6</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January</u> 19 <u>47</u> Survey														Gage Heights <u>Read Daily</u>			
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1271.6	281.5	1.3	1.6	1272.6	288.5	1.3	0.8	1260.0	209.1	11.7	37.2	1255.6	184.9	5.3	4.7	1
2	1271.5	280.9	1.3	1.6	1272.8	289.9	1.3	0.8	1257.5	195.2	20.3	27.3	1255.5	184.4	4.4	4.7	2
3	1271.5	280.9	1.3	1.6	1273.0	291.3	1.3	0.8	1252.8	170.4	6.9	19.4	1255.3	183.3	4.1	4.7	3
4	1271.4	280.2	1.3	1.6	1273.1	292.0	1.4	0.8	1248.2	148.0	5.4	16.7	1255.0	181.7	3.9	4.7	4
5	1271.2	278.8	1.3	1.6	1273.2	292.7	1.4	0.8	1245.0	133.6	5.1	12.3	1254.7	180.1	3.9	4.7	5
6	1271.1	278.1	1.3	1.6	1273.3	293.5	1.4	0.8	1244.7	132.3	3.9	4.6	1254.6	179.6	4.5	4.7	6
7	1271.0	277.4	1.2	1.6	1273.5	294.2	1.4	0.8	1244.3	130.5	3.7	4.6	1254.4	178.6	11.3	11.8	7
8	1270.9	276.7	1.2	1.6	1274.0	298.5	2.6	0.8	1244.2	130.1	3.6	3.8	1250.3	158.0	7.5	18.6	8
9	1270.8	276.1	1.2	1.6	1274.4	301.4	2.3	0.8	1244.4	131.0	3.6	3.1	1249.3	155.2	7.2	9.9	9
10	1270.7	275.4	1.2	1.6	1274.5	302.2	1.7	1.2	1244.4	131.0	3.1	3.1	1250.5	159.0	5.9	3.0	10
11	1270.6	274.7	1.2	1.6	1274.5	302.2	1.6	1.5	1244.5	131.4	3.3	3.1	1251.5	163.9	5.5	3.0	11
12	1270.6	274.7	1.2	1.6	1274.5	302.2	1.6	1.5	1244.3	130.5	2.6	3.1	1252.2	167.4	4.7	3.0	12
13	1270.4	273.4	1.2	1.6	1274.6	302.9	1.6	1.5	1244.2	130.1	2.9	3.1	1253.3	172.9	5.8	3.0	13
14	1270.5	274.1	1.3	1.3	1275.4	308.8	4.4	1.5	1244.0	129.2	2.7	3.1	1254.2	177.5	5.3	3.0	14
15	1270.6	274.7	1.3	0.9	1277.8	327.1	10.8	1.5	1244.1	129.6	2.6	2.4	1251.9	165.9	4.7	10.5	15
16	1270.7	275.4	1.3	0.9	1279.1	337.3	6.6	1.5	1244.4	131.0	2.7	2.0	1249.6	154.7	4.9	10.6	16
17	1270.7	275.4	1.3	0.9	1279.6	341.2	3.5	1.5	1244.7	132.3	2.6	2.0	1250.2	157.6	4.7	3.2	17
18	1270.8	276.1	1.3	0.9	1279.7	342.0	4.0	2.5	1244.9	133.2	2.5	2.0	1250.7	160.0	4.4	3.2	18
19	1271.0	277.4	1.3	0.9	1279.4	339.7	2.5	3.7	1245.2	134.5	2.6	2.0	1251.1	162.4	3.6	3.2	19
20	1271.1	278.1	1.3	0.8	1279.1	337.3	2.5	3.7	1248.1	147.6	9.5	2.9	1251.3	162.9	4.0	3.2	20
21	1271.3	279.5	1.3	0.8	1278.8	334.9	2.5	3.7	1248.3	148.5	4.0	3.5	1251.6	161.4	3.9	3.2	21
22	1271.3	279.5	1.3	0.8	1278.6	333.3	2.9	3.7	1248.1	147.6	3.0	3.5	1251.8	165.4	3.7	3.2	22
23	1271.5	280.9	1.2	0.8	1278.4	331.8	2.9	3.7	1247.7	145.7	2.6	3.5	1251.9	165.9	3.5	3.2	23
24	1271.6	281.5	1.2	0.8	1278.1	329.4	2.5	3.7	1248.1	147.6	3.4	2.5	1252.0	166.4	3.4	3.2	24
25	1271.7	282.2	1.2	0.8	1277.7	326.3	2.2	3.7	1248.8	150.9	3.7	2.0	1252.1	166.9	3.5	3.2	25
26	1271.9	283.6	1.2	0.8	1277.4	324.0	2.5	3.7	1249.3	153.2	3.2	2.0	1252.2	167.4	3.2	3.2	26
27	1272.0	284.3	1.2	0.8	1277.1	321.7	2.5	3.7	1249.8	155.6	3.2	2.0	1252.2	167.4	3.2	3.2	27
28	1272.1	285.0	1.2	0.8	1276.4	318.6	2.2	3.7	1251.1	163.4	5.9	2.0	1252.2	167.4</			

F. C. Dist. Form 888 Revised 10/1/44

DAM OPERATION RECORD																					
LOS ANGELES COUNTY																					
FLOOD CONTROL DISTRICT																					
HYDRAULIC DIVISION																					
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam																					
In <u>Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>53</u>																					
Drainage Area <u>10.8</u> Square Miles Capacity of Reservoir <u>727.8</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January 1947</u> Survey																					
Gage Heights <u>Read daily.</u> Continuous Water Stage Recorder <u>AU</u>																					
Day	FEBRUARY				MARCH				APRIL				MAY				Day				
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow					
1	1252.0	166.4	2.9	1.2	1254.3	178.1	2.9	2.1	1258.6	201.3	2.2	2.2	1261.9	220.1	2.6	2.3	1				
2	1251.9	162.9	2.9	3.2	1254.6	179.6	2.9	2.1	1258.7	201.8	2.5	2.2	1261.9	220.1	2.3	2.3	2				
3	1251.7	164.9	2.9	3.2	1254.8	180.7	2.6	2.1	1258.7	201.8	2.2	2.2	1261.9	220.1	2.3	2.3	3				
4	1251.6	164.4	2.9	3.2	1255.0	181.7	2.6	2.1	1258.6	201.3	1.9	2.2	1261.8	219.5	2.1	2.4	4				
5	1251.5	163.9	2.9	3.2	1255.1	182.2	2.4	2.1	1258.6	201.3	2.2	2.2	1261.6	218.4	1.9	2.4	5				
6	1251.3	162.9	2.7	3.2	1255.2	182.8	2.4	2.1	1258.6	201.3	2.2	2.2	1261.4	217.2	1.9	2.4	6				
7	1251.1	161.9	2.7	3.2	1255.2	182.8	2.2	2.1	1258.6	201.3	2.2	2.2	1261.3	216.6	1.9	2.4	7				
8	1250.9	160.9	2.6	3.2	1255.2	182.8	2.2	2.1	1258.6	201.3	2.2	2.2	1261.1	215.5	1.9	2.4	8				
9	1250.6	159.5	2.6	3.2	1255.2	182.8	2.2	2.1	1258.6	200.7	1.9	2.2	1260.9	214.3	1.9	2.3	9				
10	1250.7	160.0	2.6	2.4	1255.3	183.3	2.2	2.1	1258.5	200.7	1.8	2.2	1260.8	213.7	1.8	2.3	10				
11	1251.0	161.4	2.6	2.0	1255.3	183.3	2.2	2.1	1258.4	200.1	1.9	2.2	1260.6	212.6	1.7	2.3	11				
12	1251.2	162.4	2.6	2.0	1255.4	183.8	2.2	2.1	1258.4	200.1	2.2	2.2	1260.3	210.8	1.7	2.3	12				
13	1251.4	163.4	2.6	2.0	1255.4	183.8	2.2	2.1	1258.3	199.6	1.9	2.2	1260.1	209.7	1.7	2.2	13				
14	1251.7	164.9	2.6	2.0	1255.4	183.8	2.2	2.1	1258.2	199.0	1.9	2.2	1259.9	208.5	1.7	2.2	14				
15	1251.8	165.4	2.6	2.0	1255.5	184.4	2.1	2.1	1258.3	199.6	2.1	1.8	1259.7	207.4	1.7	2.2	15				
16	1252.0	166.4	2.5	2.1	1255.5	184.4	2.1	2.1	1258.4	200.1	1.7	1.4	1259.5	206.3	1.6	2.2	16				
17	1252.2	167.4	2.5	2.1	1255.5	184.4	2.1	2.1	1258.5	201.3	2.0	1.4	1259.4	205.7	1.6	2.2	17				
18	1252.2	167.4	2.5	2.1	1255.5	184.4	2.1	2.1	1258.9	202.9	2.2	1.4	1259.3	205.2	1.6	2.1	18				
19	1252.3	167.9	2.5	2.1	1255.7	185.4	2.6	2.1	1259.1	204.1	2.0	1.4	1259.1	204.1	1.6	2.1	19				
20	1252.5	168.9	2.5	2.1	1257.4	194.6	3.8	2.2	1259.5	206.3	2.5	1.4	1258.8	202.9	1.6	2.1	20				
21	1252.6	169.4	2.5	2.1	1257.8	196.8	3.3	2.2	1259.5	209.1	2.7	1.3	1258.8	202.4	1.6	2.1	21				
22	1252.8	170.4	2.5	2.1	1258.0	197.9	2.8	2.2	1260.3	210.8	2.3	1.4	1258.6	201.3	1.6	2.1	22				
23	1253.1	171.9	2.5	2.1	1258.2	199.0	2.7	2.2	1260.5	212.0	2.1	1.5	1258.4	200.1	1.6	2.1	23				
24	1253.4	173.4	2.5	2.0	1258.3	199.6	2.5	2.2	1260.6	212.6	2.3	2.0	1258.3	199.6	1.6	2.0	24				
25	1253.6	174.5	2.5	2.1	1258.4	200.1	2.5	2.2	1260.5	212.0	2.0	2.3	1258.1	198.5	1.6	2.0	25				
26	1253.7	175.0	2.5	2.1	1258.4	200.1	2.3	2.2	1260.5	212.0	2.3	2.3	1258.0	197.9	1.5	2.0	26				
27	1253.9	176.0	2.5	2.1	1258.4	200.1	2.3	2.2	1260.9	214.3	3.5	2.3	1257.8	196.8	1.5	1.9	27				
28	1254.0	176.5	2.5	2.1	1258.5	200.7	2.3	2.2	1261.4	217.2	3.7	2.3	1257.7	196.3	1.5	1.9	28				
29					1258.5	200.7	2.3	2.2	1261.7	219.0	3.2	2.3	1257.5	195.2	1.5	1.9	29				
30					1258.6	201.3	2.3	2.2	1261.8	219.5	2.6	2.3	1257.4	194.6	1.5	1.9	30				
31					1258.6	201.3	2.3	2.2					1257.2	193.5	1.4	1.8	31				
TOTAL		73.2	68.4			78.8	66.3			68.8	59.6			54.0	67.1						
Inf. Ac. Ft.		145.2				155.3				136.5				107.1		1362.0					
Outf. Ac. Ft.			135.7				131.5				118.2			133.1		1450.5					
Net Change																20.3					
Max. Daily Inflow			2.9				6.8				3.7				2.6						
Min. Daily Inflow			2.5				2.1				1.7				1.4		1.2				
Storage Change			+9.6				+24.8				+18.2				-26.0		-88.7				
NOTE: Gage Heights and Storages as of Midnight on Day Shown																					
Max. W. S. Elev.	1279.9	feet	on	11/18/52	Storage	344	Acres Feet		RECORDS COLLECTED BY								COMPUTATIONS		chkd.	Date	
Min. W. S. Elev.	1240.7	feet	on	9/30/53	Storage	115.3	Acres Feet		K. A. SHIPLEY								Gage Hts. copied		JH	HW	
Max. Peak Inf.	153.	C. F. S. from	11:00 P.M.	on	12/1/52	to	12:00 MID	on	12/1/52	T. E. MOXN								Storage applied		JH	HW
Max. Peak Outf.	39.	C. F. S. from	4:15 P.M.	on	11/30/52	to	4:45 P.M.	on	11/30/52									Inf. & Outf. comp.		JH	HW
REMARKS (INDICATES AVERAGE FOR PERIOD.																					

F. C. Dist. Form 888 Revised 10/1/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG SANTA ANITA</u> Dam																	
In <u>Santa Anita Canyon</u> for the Year Ending September 30, 19 <u>53</u>																	
Drainage Area <u>10.8</u> Square Miles Capacity of Reservoir <u>727.6</u> Ac. Ft. at Spillway Elev. <u>1316.0</u> Ft. as of <u>January 1947</u> Survey																	
Gage Heights <u>Read daily.</u> Continuous Water Stage Recorder <u>AU</u>																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1237.1	193.0	1.5	1.8	1235.7	185.4	1.0	1.4	1249.3	153.2	0.7	0.8	1245.7	136.7	0.6	0.9	1
2	1236.9	191.9	1.5	1.8	1235.5	184.4	0.9	1.4	1249.2	152.8	0.7	0.8	1245.5	135.8	0.6	0.9	2
3	1236.6	191.3	1.5	1.7	1235.3	183.3	0.9	1.4	1249.1	152.3	0.7	0.8	1245.3	134.9	0.6	0.9	3
4	1236.8	191.3	1.5	1.6	1235.1	182.2	0.9	1.4	1249.1	152.3	0.7	0.8	1245.1	134.0	0.6	0.9	4
5	1236.6	191.3	1.5	1.6	1234.9	181.2	0.9	1.4	1249.0	151.8	0.7	0.8	1245.0	133.6	0.6	0.9	5
6	1236.9	191.9	1.5	1.6	1234.8	180.7	0.9	1.4	1248.9	151.3	0.7	0.8	1244.8	132.7	0.6	0.9	6
7	1237.0	192.4	1.5	1.6	1234.6	179.6	0.9	1.4	1248.8	150.9	0.6	0.9	1244.6	131.8	0.6	0.9	7
8	1237.0	192.4	1.5	1.6	1234.4	178.6	0.9	1.4	1248.7	150.4	0.6	0.9	1244.4	131.0	0.6	0.9	8
9	1237.0	192.4	1.5	1.6	1234.2	177.5	0.9	1.4	1248.6	149.9	0.6	0.9	1244.3	130.5	0.6	0.9	9
10	1237.0	192.4	1.5	1.6	1233.9	176.0	0.8	1.4	1248.5	149.5	0.6	0.9	1244.1	129.6	0.6	0.9	10
11	1236.9	191.9	1.4	1.6	1233.7	175.0	0.8	1.4	1248.3	148.5	0.6	0.9	1244.0	129.2	0.5	0.9	11
12	1236.8	191.3	1.4	1.6	1233.4	173.4	0.8	1.4	1248.2	148.0	0.6	0.9	1243.8	128.3	0.5	0.9	12
13	1236.6	190.2	1.4	1.6	1233.2	172.4	0.7	1.4	1248.1	147.6	0.6	0.9	1243.6	127.5	0.5	0.9	13
14	1236.5	189.7	1.4	1.6	1232.9	170.9	0.7	1.4	1248.0	147.1	0.6	0.9	1243.5	127.1	0.5	0.9	14
15	1236.3	188.6	1.4	1.6	1232.6	169.4	0.7	1.4	1247.9	146.6	0.6	0.9	1243.3	126.2	0.5	0.9	15
16	1236.2	188.1	1.4	1.6	1232.3	167.9	0.7	1.4	1247.8	146.2	0.6	0.9	1243.1	125.3	0.5	0.9	16
17	1236.2	188.1	1.4	1.5	1232.0	166.4	0.7	1.4	1247.7	145.7	0.6	0.9	1243.0	124.9	0.5	0.9	17
18	1236.2	188.1	1.4	1.4	1231.7	164.9	0.7	1.4	1247.6	145.3	0.6	0.9	1242.8	124.1	0.5	0.9	18
19	1236.3	188.6	1.4	1.4	1231.4	163.4	0.7	1.4	1247.5	144.8	0.6	0.9	1242.7	123.6	0.5	0.9	19
20	1236.4	189.2	1.4	1.4	1231.2	162.4	0.7	1.3	1247.4	144.3	0.6	0.9	1242.6	123.0	0.5	0.9	20
21	1236.5	189.7	1.3	1.4	1230.9	160.9	0.7	1.3									

F. C. Dist. Form 62A Revised 506 11/44

DAM OPERATION RECORD																			
LOS ANGELES COUNTY																			
FLOOD CONTROL DISTRICT																			
HYDRAULIC DIVISION																			
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam													Continuous Water Stage Recorder <u>AU</u>						
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>52</u>																			
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>December</u> , 19 <u>43</u> Survey													Gage Heights <u>Read Daily</u>						
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day		
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow			
1	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.5	45.0	0	0	1302.8	54.8	1.9	5.6	1		
2	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.6	45.0	0	0	1302.8	52.4	1.6	2.8	2		
3	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.6	45.0	0	0	1302.6	54.3	0.9	0	3		
4	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.7	45.2	0.1	0	1302.7	55.5	0.6	0	4		
5	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.8	45.4	0.3	0	1302.8	56.7	0.5	0	5		
6	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.8	45.4	0	0	1302.8	57.7	0.5	0	6		
7	1302.9	45.7	0	0	1302.6	45.0	0	0	1302.8	45.4	0	0	1302.8	59.0	0.7	0	7		
8	1302.8	45.4	0	0	1302.5	44.8	0	0	1302.8	45.4	0	0	1302.9	60.0	0.5	0	8		
9	1302.8	45.4	0	0	1302.5	44.8	0	0	1302.9	45.7	0.1	0	1302.9	60.7	0.3	0	9		
10	1302.8	45.4	0	0	1302.5	44.8	0	0	1302.9	45.7	0.1	0	1302.9	61.5	0.4	0	10		
11	1302.8	45.4	0	0	1302.5	44.8	0	0	1303.0	45.9	0.2	0	1302.9	62.2	0.4	0	11		
12	1302.7	45.2	0	0	1302.5	44.8	0	0	1303.2	46.4	0.2	0	1310.8	64.8	4.4	3.1	12		
13	1302.7	45.2	0	0	1302.5	44.8	0	0	1303.3	46.6	0.1	0	1302.8	60.0	11.1	13.5	13		
14	1302.7	45.2	0	0	1302.5	44.8	0	0	1303.6	47.3	0.4	0	1302.9	61.2	4.4	5.8	14		
15	1302.7	45.2	0	0	1302.5	44.8	0	0	1303.7	47.5	0.1	0	1302.9	66.6	8.0	5.3	15		
16	1302.7	45.2	0	0	1302.5	44.8	0	0	1303.9	48.0	0.2	0	1322.9	102.5	59.9	41.8	16		
17	1302.7	45.2	0	0	1302.5	44.8	0	0	1304.0	48.2	0.1	0	1313.0	70.6	22.7	38.8	17		
18	1302.7	45.2	0	0	1302.5	44.8	0	0	1304.2	48.7	0.3	0	1312.0	67.9	40.7	4.2	18		
19	1302.7	45.2	0	0	1302.6	45.0	0.1	0	1304.3	48.9	0.1	0	1311.1	65.6	28.3	27.3	19		
20	1302.6	45.0	0	0	1302.6	45.0	0.1	0	1304.4	49.1	0.1	0	1310.9	65.0	15.8	16.1	20		
21	1302.6	45.0	0	0	1302.6	45.0	0	0	1304.5	49.4	0.1	0	1310.5	64.0	8.6	9.1	21		
22	1302.6	45.0	0	0	1302.6	45.0	0	0	1304.8	49.6	0.1	0	1307.4	56.3	4.4	8.3	22		
23	1302.6	45.0	0	0	1302.6	45.0	0	0	1304.7	49.8	0.1	0	1303.0	50.5	5.8	8.7	23		
24	1302.6	45.0	0	0	1302.6	45.0	0	0	1304.8	50.0	0.1	0	1302.3	43.8	7.7	7.1	24		
25	1302.7	45.2	0.1	0	1302.6	45.0	0	0	1305.0	50.8	0.3	0	1302.0	55.3	3.8	0	25		
26	1302.7	45.2	0	0	1302.6	45.0	0	0	1305.1	50.7	0.1	0	1310.0	62.7	3.8	0	26		
27	1302.7	45.2	0	0	1302.6	45.0	0	0	1305.2	51.0	0.1	0	1310.2	63.2	2.1	1.9	27		
28	1302.7	45.2	0	0	1302.6	45.0	0	0	1305.3	51.2	0.1	0	1310.2	63.2	2.0	2.0	28		
29	1302.7	45.2	0	0	1302.6	45.0	0	0	1307.8	57.2	3.2	0	1310.2	63.2	1.9	1.9	29		
30	1302.6	45.0	0	0	1302.6	45.0	0	0	1310.5	64.0	1.3	9.9	1310.2	63.2	1.9	1.9	30		
31	1302.6	45.0	0	0	1302.6	45.0	0	0	1309.8	62.2	4.0	4.9	1310.2	63.2	2.0	2.0	31		
TOTAL			0.2	0			0.2	0			23.7	14.8			243.7	205.4			
Inf. Ac. Ft.			0.2				0.4				47.0				483.4	531.0			
Outf. Ac. Ft.											29.4				482.4	511.8	(0.0)		
Min. Daily Inflow			0.1				0.1				1.3				6.0	1.0			
Max. Daily Inflow			0				0				13.3				0	0			
Min. Daily Outflow											0				0.3	0			
Max. Daily Outflow											0				0.3	0			
Storage Change		-0.9				0					+17.2				+1.0		+17.3		
NOTE: Gage Heights and Storages as of Midnight on Day Shown																			
Max. W. S. Elev.	1327.2	feet	on	1/16/52	Storage	120.	Acres Feet	RECORDS COLLECTED BY					COMPUTATIONS		chkd.	Date			
Min. W. S. Elev.	1299.65	feet	on	3/26/52	Storage	38.4	Acres Feet	F. D. Kelly					Gage Hts. copied		GPB	APK	1/3/52		
Max. Peak Inf.	226.	C.F.S. from	2:00 A.M.	on	1/16/52	to	4:00 A.M.	on	1/16/52	T. E. Moon					Storage applied		GPB	APK	1/3/52
Max. Peak Outf.	46.	C.F.S. from	11:00 A.M.	on	1/16/52	to	12:00 NOON	on	1/16/52						Inf. & Outf. comp.		JHL	HRW	1/9/53
REMARKS () Indicates Average for Period.																			
() Indicates Evaporation Losses.																			

F. C. Dist. Form 62B Revised 506 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam													Continuous Water Stage Recorder <u>AU</u>				
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>52</u>																	
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>December</u> , 19 <u>43</u> Survey													Gage Heights <u>Read Daily</u>				
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1310.2	63.2	1.9	2.0	1310.1	63.0	2.2	2.3	1310.2	63.2	2.5	2.5	1310.1	63.0	0.7	0.7	1
2	1310.2	63.2	1.9	2.0	1310.1	63.0	1.0	1.0	1310.2	63.2	2.3	2.3	1310.1	63.0	0.3	0.4	2
3	1310.2	63.2	1.9	2.0	1310.0	62.7	0.8	0.9	1310.1	63.0	1.6	1.8	1310.0	62.7	0.3	0.3	3
4	1310.2	63.2	1.9	1.8	1310.0	62.7	0.5	0.5	1310.1	63.0	1.5	1.4	1310.0	62.7	0.3	0.3	4
5	1310.2	63.2	1.8	1.6	1310.0	62.7	0.4	0.4	1310.1	63.0	1.5	1.4	1310.0	62.7	0.3	0.3	5
6	1310.2	63.2	1.5	1.9	1310.1	63.0	0.6	0.5	1310.1	63.0	1.5	1.4	1310.0	62.7	0.3	0.3	6
7	1310.2	63.2	1.5	1.5	1310.5	64.0	12.8	12.3	1310.5	64.3	3.8	3.1	1310.0	62.7	0.3	0.2	7
8	1310.1	63.0	1.5	1.4	1309.7	62.0	6.4	7.4	1310.2	63.2	3.8	4.4	1310.0	62.7	0.2	0.2	8
9	1310.1	63.0	1.5	1.4	1305.7	52.2	4.5	9.4	1310.2	63.2	2.6	2.6	1310.0	62.7	0.2	0.2	9
10	1310.1	63.0	1.5	1.4	1310.5	64.0	7.3	1.4	1310.3	63.5	2.6	2.4	1310.0	62.7	0.2	0.2	10
11	1310.1	63.0	1.2	1.2	1310.5	64.0	5.6	5.6	1310.2	63.2	2.6	2.8	1310.0	62.7	0.2	0.2	11
12	1310.1	63.0	0.8	0.5	1310.4	63.7	5.9	6.0	1310.2	63.2	2.2	2.2	1310.0	62.7	0.2	0.2	12
13	1310.2	63.2	0.8	0.9	1310.3	63.5	5.3	5.4	1310.1	63.0	1.6	1.6	1310.0	62.7	0.2	0.2	13
14	1310.1	63.0	0.8	1.0	1310.4	62.7	5.1	5.0	1310.1	63.0	1.5	1.6	1310.0	62.7	0.2	0.2	14
15	1310.1	63.0	0.4	0.3	1311.3	66.1	19.6	14.4	1310.2	63.2	1.4	1.2	1310.0	62.7	0.2	0.2	15
16	1310.1	63.0	0.4	0.3	1311.0	65.3	22.6	23.0	1310.1	63.0	1.4	1.2	1310.0	62.7	0.2	0.2	16
17	1310.0	62.7	0.3	0.3	1310.7	64.5	17.2	17.6	1310.1	63.0	1.1	1.1	1310.0	62.7	0.2	0.2	17
18	1310.0	62.7	0.3	0.3	1310.6	64.3	12.7	12.8	1310.1	63.0	1.0	1.0	1310.0	62.7	0.2	0.2	18
19	1310.0	62.7	0.3	0.4	1310.6	64.3	11.3	11.3	1310.2	63.2	2.1	2.0	1310.0	62.7	0.2	0.2	19
20	1310.0	62.7	0.3	0.4	1310.6	64.3	10.7	10.7	1310.2	63.2	2.2	2.2	1310.0	62.7	0.2	0.2	20
21	1310.0	62.7	0.3	0.4	1310.5	64.0	8.1	8.3	1310.1	63.0	1.8	1.9	1310.0	62.7	0.2	0.2	21
22	1310.0	62.7	0.3	0.4	1310.5	64.0	6.0	6.0	1310.1	63.0	1.2	1.2	1310.0	62.7	0.2	0.2	22
23	1310.0	62.7	0.3	0.4	1310.3	63.5	5.1	5.3	1310.0	62.7	0.8	1.0	1310.0	62.7	0.2	0.2	23
24	1310.0	62.7	0.3	0.2	1309.8	59.5	4.9	7.5	1310.0	62.7	0.6	0.6	1310.0	62.7	0.2	0.2	24
25	1310.0	62.7	0.3	0.2	1303.0	49.9	4.7	10.4	1310.2	63.2	1.5	1.2	1310.0	62.7	0.2	0.2	25
26	1310.0	62.7	0.3	0.4	1301.8	43.2	4.6	6.0	1310.1	63.0	2.1	2.2	1310.0	62.7	0.2	0.2	26
27	1310.0	62.7	0.3	0.3	1305.8	52.4	4.1	0	1310.1	63.0	1.5	1.5	1310.0	62.7	0.2	0.2	27
28	1310.0	62.7	0.3	0.2	1308.6	59.2	3.4	0	1310.1	63.0	0.9	0.9	1310.0	62.7	0.2	0.2	28
29	1310.2	63.2	1.5	1.2	1310.2	63.2	3.3	1.3</									

F. C. Dist. Form 800 Revised 5/8 11/44

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam														Continuous Water Stage Recorder <u>A1</u>		
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>52</u> .														Gage Heights <u>Read Daily</u>		
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360.0</u> Ft. as of <u>December</u> 19 <u>52</u> Survey																
Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acre Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1310.0	62.7	0.2	0.2	1309.95	62.6	0.1	0.1	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
2	1310.0	62.7	0.2	0.2	1309.95	62.6	0.1	0.1	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
3	1310.0	62.7	0.2	0.2	1309.95	62.6	0.1	0.1	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
4	1310.0	62.7	0.2	0.2	1309.95	62.6	0.1	0.1	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
5	1310.0	62.7	0.2	0.2	1309.95	62.6	0.1	0.1	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
6	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
7	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
8	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
9	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
10	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
11	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
12	1310.0	62.7	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
13	1309.95	62.6	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
14	1309.95	62.6	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
15	1309.95	62.6	0.2	0.2	1309.95	62.6	0.09	0.08	1309.95	62.6	0.3	0.2	1309.9	62.5	0	0
16	1309.95	62.6	0.2	0.1	1309.95	62.6	0.08	0.07	1309.95	62.6	0.2	0.2	1309.7	62.0	0	0
17	1309.95	62.6	0.1	0.1	1309.95	62.6	0.08	0.07	1309.95	62.6	0.2	0.2	1309.7	62.0	0	0
18	1309.95	62.6	0.1	0.1	1309.95	62.6	0.08	0.07	1309.95	62.6	0.2	0.1	1309.7	62.0	0	0
19	1309.95	62.6	0.1	0.1	1309.95	62.6	0.08	0.07	1309.95	62.6	0.2	0.1	1309.7	62.0	0	0
20	1309.95	62.6	0.1	0.1	1309.95	62.6	0.08	0.06	1309.95	62.6	0.2	0.1	1309.7	62.0	0	0
21	1309.95	62.6	0.1	0.1	1309.95	62.6	0.07	0.06	1309.95	62.6	0.2	0.1	1309.7	62.0	0	0
22	1309.95	62.6	0.1	0.1	1309.95	62.6	0.07	0.06	1309.95	62.6	0.2	0.1	1309.7	62.0	0	0
23	1309.95	62.6	0.1	0.1	1309.95	62.6	0.07	0.05	1309.95	62.5	0.2	0.1	1309.7	62.0	0	0
24	1309.95	62.6	0.1	0.1	1309.95	62.6	0.06	0.05	1309.95	62.5	0.2	0	1309.7	62.0	0	0
25	1309.95	62.6	0.1	0.1	1309.95	62.6	0.06	0.05	1309.95	62.5	0.2	0	1309.6	61.7	0	0
26	1309.95	62.6	0.1	0.1	1309.95	62.6	0.05	0.04	1309.95	62.5	0.1	0	1309.6	61.7	0	0
27	1309.95	62.6	0.1	0.1	1309.95	62.6	0.05	0.03	1309.95	62.5	0.1	0	1309.6	61.7	0	0
28	1309.95	62.6	0.1	0.1	1309.95	62.6	0.05	0.03	1309.95	62.5	0.1	0	1309.6	61.7	0	0
29	1309.95	62.6	0.1	0.1	1309.95	62.6	0.04	0.03	1309.95	62.5	0.1	0	1309.6	61.7	0	0
30	1309.95	62.6	0.1	0.1	1309.95	62.6	0.04	0.03	1309.95	62.5	0.1	0	1309.6	61.7	0	0
31	1309.95	62.6	0.1	0.1	1309.95	62.6	0.04	0.03	1309.95	62.5	0.1	0	1309.6	61.7	0	0
TOTAL		4.6	4.5		4.4	2.1			0.7	0.4			0	0		
Inf. Ac. Ft.	9.1				4.8				1.4							112.4
Outf. Ac. Ft.	8.9		(0.4)		4.2		(0.6)		0.8		(0.8)		0		(0.8)	(15.0)
Maximum Mean Daily Inflow	0.2				0.1				0.3				0		0	60.1
Minimum Mean Daily Inflow	0.1				0.04				0				0		0	0
Storage Change	-0.1				0				-0.1				-0.5			+15.8

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	127.2	feet	on	1/16/52	Storage	120	Acres	Feet	RECORDS COLLECTED BY	DAM TENDER	COMPUTATIONS	chkd.	Date	
Min. W. S. Elev.	1299.60	feet	on	3/16/52	Storage	38.4	Acres	Feet	F. D. Kelly	Dam Tender	Gage Hts. copied	J.H. HW	1/8/52	
Max. Peak Inf.	226	C.F.S. from	3:00 A.M.	on	1/16/52	to	4:00 A.M.	on	1/16/52	T. E. Moxon	Hydrographer	Storage applied	J.H. HW	1/8/52
Min. Peak Outf.	46	C.F.S. from	11:00 A.M.	on	1/16/52	to	12:00 Noon	on	1/16/52		Hydrographer	Inf. & Outf. comp.	J.H. HW	1/8/52

REMARKS: () Indicates Average for Period.
() Indicates Evaporation Losses.

F. C. Dist. Form 800 Revised 5/8 11/44

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam														Continuous Water Stage Recorder <u>A1</u>		
In <u>Sawpit Canyon</u> for the Year Ending September 30, 19 <u>52</u> .														Gage Heights <u>Read Daily</u>		
Drainage Area <u>3.3</u> Square Miles. Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1380</u> Ft. as of <u>December</u> 19 <u>52</u> Survey																
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	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	1309.6	61.7	0	0	1309.3	61.0	0	0	1285.0	14.5	3.2	0	1290.8	21.2	0.4	0
2	1309.6	61.7	0	0	1309.3	61.0	0	0	1284.2	12.4	3.0	4.0	1291.3	22.0	0.4	0
3	1309.6	61.7	0	0	1309.3	61.0	0	0	1269.0	2.1	1.1	6.3	1291.7	22.7	0.4	0
4	1309.6	61.7	0	0	1309.3	61.0	0	0	1273.2	4.0	1.0	0.1	1292.1	23.4	0.4	0
5	1309.6	61.7	0	0	1309.3	61.0	0	0	1275.6	5.4	0.7	0	1292.5	24.1	0.4	0
6	1309.6	61.7	0	0	1309.3	61.0	0	0	1277.1	6.4	0.5	0	1292.9	24.8	0.3	0
7	1309.6	61.7	0	0	1309.3	61.0	0	0	1278.2	7.1	0.4	0	1293.6	26.1	0.7	0
8	1309.6	61.7	0	0	1309.4	61.2	0.1	0	1279.1	7.8	0.3	0	1294.1	27.1	0.5	0
9	1309.6	61.7	0	0	1309.4	61.2	0	0	1279.8	8.3	0.3	0	1294.7	28.2	0.5	0
10	1309.6	61.5	0	0	1309.4	61.2	0	0	1280.5	9.0	0.4	0	1295.1	29.0	0.4	0
11	1309.6	61.5	0	0	1309.4	61.2	0	0	1281.1	9.5	0.2	0	1295.6	30.0	0.5	0
12	1309.6	61.5	0	0	1309.4	61.2	0	0	1281.5	9.9	0.2	0	1296.0	30.8	0.4	0
13	1309.6	61.5	0	0	1309.4	61.2	0	0	1282.4	10.4	0.3	0	1296.6	32.0	0.6	0
14	1309.6	61.5	0	0	1309.5	61.5	0.2	0	1282.5	10.8	0.2	0	1297.4	33.6	0.9	0
15	1309.6	61.5	0	0	1309.6	61.7	0.1	0	1283.0	11.2	0.2	0	1297.8	34.5	0.5	0
16	1309.6	61.5	0	0	1309.6	61.7	0.1	0	1283.3	11.5	0.1	0	1298.1	35.1	0.5	0
17	1309.6	61.5	0	0	1309.6	61.7	0	0	1283.7	11.9	0.2	0	1298.5	36.0	0.4	0
18	1309.6	61.5	0	0	1309.6	61.7	0	0	1284.0	12.2	0.2	0	1298.8	36.6	0.4	0
19	1309.4	61.2	0	0	1309.6	61.7	0	0	1284.3	12.5	0.1	0	1299.1	37.2	0.4	0
20	1309.4	61.2	0	0	1309.6	61.7	0	0	1285.1	13.4	0.0	0	1299.6	38.3	0.3	0
21	1309.4	61.2	0	0	1309.7	62.0	0.1	0	1285.7	14.0	0.3	0	1299.9	39.0	0.3	0
22	1309.4	61.2	0	0	1309.7	62.0	0	0	1286.0	14.5	0.3	0	1300.2	39.6	0.3	0
23	1309.4	61.2	0	0	1309.7	62.0	0.1	0	1286.4	15.0	0.3	0	1300.5	40.3	0.3	0
24	1309.4	61.2	0	0	1299.3	37.7	0.7	12.9	1286.9	15.6	0.2	0	1300.7	40.7	0.3	0
25	1309.4	61.2	0	0	1282.2	10.5	0.7	14.5	1287.3	16.1	0.3	0	1301.0	41.4	0.3	0
26	1309.4	61.2	0	0	1275.0	5.0	0.7	3.4	1287.8	16.7	0.3	0	1301.2	41.8	0.2	0
27	1309.4	61.2	0	0	1277.2	6.4	0.7	0	1288.2	17.3	0.3	0	1301.4	42.3	0.2	0
28	1309.4	61.2	0	0	1278.3	7.2	0.4	0	1288.6	17.8	0.3	0	1301.6	42.7	0.2	0
29	1309.4	61.2	0	0	1279.0	7.7	0.2	0	1289.0	18.4	0.3	0	1301.8	43.2	0.2	0
30	1309.4	61.2	0	0	1279.5	8.1	0.2	0	1289.8	19.6	0.6	0	1301.9	43.4	0.2	0
31	1309.4	61.2	0	0					1290.3	20.4	0.4	0	1302.1	43.8	0.2	0
TOTAL		0	0	0		4.3	30.8			16.7	10.4			12.0	0	0
Inf. Ac. Ft.	0				8.5				3.1				2.8			55.4
Outf. Ac. Ft.	0		(0.5)		6.1		(0.4)		2.0		(0.2)		0		(0.4)	81.7
Maximum Mean Daily Inflow	0				0.7				3.2				0.9			3.2
Minimum Mean Daily Inflow	0				0											

F. C. Dist. Form 602 Revised 100 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam													Continuous Water Stage Recorder <u>AU</u>				
In <u>Sawpit Canyon</u> for the Year Ending September 30, 1953.													Gage Heights Read <u>daily</u>				
Drainage Area <u>3.3</u> Square Miles Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360</u> Ft. as of <u>December</u> 19 <u>49</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1302.2	44.1	0.2	0	1304.7	49.8	0.1	0	1307.3	56.0	0.1	0	1309.1	60.5	0.05	0	1
2	1302.4	44.5	0.2	0	1304.6	50.0	0.1	0	1307.3	56.0	0.1	0	1309.2	60.7	0.05	0	2
3	1302.5	44.8	0.2	0	1304.6	50.0	0.1	0	1307.4	56.3	0.1	0	1309.2	60.7	0.05	0	3
4	1302.6	45.0	0.1	0	1304.9	50.3	0.1	0	1307.5	56.5	0.1	0	1309.2	60.7	0.05	0	4
5	1302.7	45.2	0.1	0	1305.0	50.5	0.1	0	1307.6	56.7	0.1	0	1309.3	61.0	0.05	0	5
6	1302.9	45.7	0.1	0	1305.0	50.5	0.1	0	1307.7	57.0	0.2	0	1309.3	61.0	0.05	0	6
7	1303.0	45.9	0.1	0	1305.1	50.7	0.1	0	1307.8	57.2	0.1	0	1309.3	61.0	0.05	0	7
8	1303.2	46.4	0.1	0	1305.1	50.7	0.1	0	1307.9	57.5	0.1	0	1309.4	61.2	0.05	0	8
9	1303.3	46.6	0.1	0	1305.2	51.0	0.1	0	1307.9	57.5	0.1	0	1309.4	61.2	0.05	0	9
10	1303.4	46.8	0.1	0	1305.2	51.0	0.1	0	1308.0	57.7	0.1	0	1309.5	61.5	0.05	0	10
11	1303.5	47.1	0.1	0	1305.3	51.2	0.1	0	1308.0	57.7	0.1	0	1309.5	61.5	0.05	0	11
12	1303.6	47.3	0.1	0	1305.4	51.5	0.1	0	1308.1	58.0	0.1	0	1309.5	61.5	0.05	0	12
13	1303.6	47.3	0.1	0	1305.4	51.5	0.1	0	1308.2	58.2	0.1	0	1309.5	61.5	0.05	0	13
14	1303.7	47.5	0.1	0	1305.5	51.7	0.1	0	1308.2	58.2	0.1	0	1309.6	61.7	0.05	0	14
15	1303.8	47.7	0.1	0	1305.6	51.9	0.1	0	1308.3	58.5	0.1	0	1309.6	61.7	0.05	0	15
16	1303.8	47.7	0.1	0	1305.6	51.9	0.1	0	1308.3	58.5	0.1	0	1309.6	61.7	0.05	0	16
17	1303.9	48.0	0.1	0	1305.7	52.2	0.1	0	1308.4	58.7	0.1	0	1309.7	62.0	0.04	0	17
18	1304.0	48.2	0.1	0	1305.7	52.2	0.1	0	1308.5	59.0	0.05	0	1309.7	62.0	0.04	0	18
19	1304.0	48.2	0.1	0	1305.8	52.4	0.1	0	1308.5	59.2	0.05	0	1309.7	62.0	0.04	0	19
20	1304.1	48.4	0.1	0	1305.8	52.4	0.1	0	1308.6	59.2	0.05	0	1309.7	62.0	0.04	0	20
21	1304.2	48.7	0.1	0	1306.2	53.4	0.2	0	1308.7	59.5	0.2	0	1309.8	62.2	0.04	0	21
22	1304.3	48.9	0.1	0	1306.3	53.6	0.2	0	1308.7	59.5	0.1	0	1309.8	62.2	0.04	0	22
23	1304.3	48.9	0.1	0	1306.4	53.9	0.2	0	1308.7	59.5	0.05	0	1309.8	62.2	0.04	0	23
24	1304.4	49.1	0.1	0	1306.5	54.1	0.2	0	1308.8	59.7	0.05	0	1309.9	62.5	0.04	0	24
25	1304.5	49.4	0.1	0	1306.6	54.3	0.1	0	1308.8	59.7	0.05	0	1309.9	62.5	0.04	0	25
26	1304.5	49.4	0.1	0	1306.7	54.6	0.1	0	1308.9	60.0	0.05	0	1309.9	62.5	0.04	0	26
27	1304.6	49.8	0.1	0	1306.8	54.8	0.1	0	1309.0	60.2	0.1	0	1309.9	62.5	0.04	0	27
28	1304.6	49.8	0.1	0	1306.9	55.1	0.1	0	1309.0	60.2	0.05	0	1309.9	62.5	0.04	0	28
29					1307.0	55.3	0.1	0	1309.1	60.5	0.05	0	1309.9	62.5	0.04	0	29
30					1307.1	55.5	0.1	0	1309.1	60.5	0.05	0	1309.9	62.5	0.04	0	30
31					1307.2	55.8	0.1	0					1309.9	62.5	0.04	0	31
TOTAL			3.1	0			3.4	0			2.7	0			1.4	0	
Inf. Ac. Ft.		5.1					5.7				5.4				2.8		86.4
Outf. Ac. Ft.		0		(0.4)			0				0			0	(0.8)		81.7 + (3.9)
Net Daily Inflow		0.2					0.2				0.2			0	0.5		3.2
Net Daily Outflow		0					0				0			0	0.4		
Storage Change		5.6					6.2				4.7			2.0			10.8

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1309.95	feet	IN	on	JUNE	Storage	62.6	Acres Feet		RECORDS COLLECTED BY	Dam Tender	COMPUTATIONS	skd.	Date
Min. W. S. Elev.	1262.±	feet	on	12/3/52	Storage	0	Acres Feet		F. D. KELLY	Hydrographer	Gage Hts. copied	J.L. HW		
Max. Peak Inflow	34	C.F.S. from	10:00 P.M.	on	12/1/52				T. E. MOON	Hydrographer	Storage applied	J.L. HW		
Max. Peak Outflow	26	C.F.S. from	9:30 A.M.	on	11/24/52					Hydrographer	Inf. & Outf. comp.	J.L. HW		

REMARKS: () INDICATES AVERAGE FOR PERIOD OR PRO-RATED DAILY AVALINETS.
() INDICATES EVAPORATION LOSSES.

F. C. Dist. Form 602 Revised 100 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAMPIT</u> Dam													Continuous Water Stage Recorder <u>AU</u>				
In <u>Sawpit Canyon</u> for the Year Ending September 30, 1953.													Gage Heights Read <u>daily</u>				
Drainage Area <u>3.3</u> Square Miles Capacity of Reservoir <u>321.8</u> Ac. Ft. at Spillway Elev. <u>1360</u> Ft. as of <u>December</u> 19 <u>49</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1309.9	62.5	0.03	0	1309.9	62.5	0.0	0	1309.3	61.0	0	0	1308.4	58.7	0	0	1
2	1309.9	62.5	0.03	0	1309.9	62.5	0.0	0	1309.3	61.0	0	0	1308.4	58.7	0	0	2
3	1309.9	62.5	0.03	0	1309.9	62.5	0.0	0	1309.3	61.0	0	0	1308.4	58.7	0	0	3
4	1309.9	62.5	0.03	0	1309.9	62.5	0.0	0	1309.2	60.7	0	0	1308.4	58.7	0	0	4
5	1309.9	62.6	0.03	0	1309.9	62.5	0.0	0	1309.2	60.7	0	0	1308.4	58.7	0	0	5
6	1309.9	62.6	0.03	0.01	1309.9	62.2	0.0	0	1309.2	60.7	0	0	1308.3	58.5	0	0	6
7	1309.9	62.6	0.03	0.01	1309.8	62.2	0.0	0	1309.1	60.7	0	0	1308.3	58.5	0	0	7
8	1309.9	62.6	0.03	0.01	1309.8	62.2	0.0	0	1309.1	60.5	0	0	1308.3	58.5	0	0	8
9	1309.9	62.6	0.02	0.01	1309.8	62.2	0.0	0	1309.1	60.5	0	0	1308.3	58.5	0	0	9
10	1309.9	62.6	0.02	0.01	1309.8	62.2	0.0	0	1309.1	60.5	0	0	1308.3	58.5	0	0	10
11	1309.9	62.6	0.02	0.01	1309.8	62.2	0.0	0	1309.1	60.5	0	0	1308.2	58.2	0	0	11
12	1309.9	62.6	0.02	0.01	1309.7	62.0	0.0	0	1309.0	60.2	0	0	1308.2	58.2	0	0	12
13	1309.9	62.6	0.02	0.01	1309.7	62.0	0.0	0	1309.0	60.2	0	0	1308.2	58.2	0	0	13
14	1309.9	62.6	0.02	0.01	1309.7	62.0	0.0	0	1309.0	60.2	0	0	1308.2	58.2	0	0	14
15	1309.9	62.6	0.02	0.01	1309.7	62.0	0.0	0	1309.0	60.2	0	0	1308.2	58.2	0	0	15
16	1309.9	62.6	0.02	0.01	1309.7	62.0	0.0	0	1308.9	60.0	0	0	1308.2	58.2	0	0	16
17	1309.9	62.6	0.02	0.01	1309.6	61.7	0.0	0	1308.9	60.0	0	0	1308.1	58.0	0	0	17
18	1309.9	62.6	0.02	0.01	1309.6	61.7	0.0	0	1308.8	59.7	0	0	1308.1	58.0	0	0	18
19	1309.9	62.6	0.02	0.01	1309.6	61.7	0.0	0	1308.8	59.7	0	0	1308.1	58.0	0	0	19
20	1309.9	62.6	0.02	0.01	1309.6	61.7	0.0	0	1308.6	59.7	0	0	1308.1	58.0	0	0	20
21	1309.9	62.6	0.02	0.01	1309.6	61.7	0.0	0	1308.6	59.7	0	0	1308.0	57.7	0	0	21
22	1309.9	62.6	0.02	0.01	1309.5	61.5	0.0	0	1308.7	59.5	0	0	1308.0	57.7	0	0	22
23	1309.9	62.6	0.02	0.01	1309.5	61.5	0.0	0	1308.7	59.5	0	0	1308.0	57.7	0	0	23
24	1309.9	62.6	0.02	0.01	1309.5	61.5	0.0	0	1308.7	59.5	0	0	1308.0	57.7	0	0	24
25	1309.9	62.6	0.02	0.01	1309.5	61.5	0.0	0	1308.7	59.5	0	0	1308.0	57.7	0	0	25
26	1309.9	62.6	0.02	0.01	1309.5	61.5	0.0	0	1308.6	59.2	0	0	1307.9	57.5	0	0	26
27	1309.9	62.6	0.01	0.01	1309.4	61.2	0.0	0	1308.6	59.2	0	0	1307.9	57.5	0	0	27
28	1309.9	62.6	0.01	0.01	1309.4	61.2	0.0	0	1308.5	59.0	0	0	1307.9	57.5	0	0	28
29	1309.9	62.6	0.01	0.01	1309.4	61.2	0.0	0	1308.5	59.0	0	0	1307.9	57.5	0	0	29
30	1309.9	62.5	0.01	0	1309.4	61.2	0	0	1308.5	59.0	0	0	1307.8	57.2	0	0	30
31					1309.4	61.2	0	0	1308.5	59.0	0	0					31
TOTAL			0.64	0.24			0	0			0	0			0	0	
Inf. Ac. Ft.		1.3															

F. C. Dist. Form 88A Revised 8/68 11/74

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam
In SAN GABRIEL CANYON - WEST FORK for the Year Ending September 30, 19 52
On San Gabriel Canyon - West Fork for the Year Ending September 30, 19 52
Continuous Water Stage Recorder PRESSURE
Gage Heights READ DAILY

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of JAN. & SEPT. 19 47 SURVEY
Gage Heights READ DAILY

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2241.3	235.0	0.9	8.9	2234.8	239.9	0.4	0.2	2220.2	103.6	1.4	0.1	2272.1	1095.4	45.1	0.2	
2	2240.3	239.0	0.9	9.4	2234.9	241.2	0.4	0.2	2220.7	107.0	1.8	0.1	2273.8	1153.5	29.6	0.2	
3	2239.2	242.1	0.9	9.4	2234.9	241.2	0.4	0.2	2221.1	109.7	1.8	0.1	2275.1	1199.1	29.3	0.2	
4	2238.1	245.2	0.9	9.4	2234.9	241.2	0.5	0.2	2221.7	114.0	2.3	0.1	2276.1	1235.1	18.5	0.2	
5	2236.9	247.8	0.9	9.1	2235.0	242.4	0.5	0.2	2228.4	169.4	2.8	0.1	2277.0	1267.9	16.9	0.2	
6	2235.8	252.9	0.9	9.1	2235.0	242.4	0.5	0.2	2229.9	184.2	7.5	0.1	2277.8	1297.7	15.4	0.2	
7	2234.6	257.4	0.9	8.7	2234.5	236.2	0.6	3.3	2230.7	192.4	4.4	0.1	2279.0	1343.1	23.1	0.2	
8	2234.0	259.9	0.9	4.5	2233.5	223.9	0.7	6.8	2231.3	198.8	3.3	0.1	2279.5	1374.1	16.0	0.3	
9	2234.0	259.9	0.8	0.3	2232.0	206.5	0.8	9.4	2231.8	204.3	2.9	0.1	2280.5	1401.4	14.2	0.3	
10	2234.1	231.2	0.5	0.2	2230.6	191.4	1.3	9.1	2231.8	204.3	2.4	2.4	2281.1	1425.3	12.4	0.3	
11	2234.1	231.2	0.5	0.2	2229.1	176.2	1.3	8.7	2231.6	202.1	3.6	4.7	2281.7	1449.6	12.6	0.3	
12	2234.1	231.2	0.5	0.2	2227.6	162.0	1.3	8.3	2234.7	238.7	23.7	5.3	2294.5	2028.8	29.2	0.4	
13	2234.1	231.2	0.5	0.2	2226.0	147.7	1.3	8.3	2235.8	252.9	12.1	4.9	2296.2	2115.4	38.7	2	
14	2234.2	232.4	0.5	0.2	2224.3	133.6	1.2	8.3	2236.1	256.9	7.6	5.6	2291.5	1882.0	128.3	24.5	
15	2234.2	232.4	0.5	0.2	2222.5	119.8	0.9	7.9	2236.2	258.2	6.3	5.6	2300.4	2341.0	335.6	104.1	
16	2234.2	232.4	0.5	0.2	2220.6	106.3	0.9	7.5	2236.3	259.6	6.3	5.6	2311.3	2990.6	1262.9	935.4	
17	2234.2	232.4	0.5	0.2	2218.5	93.9	0.8	7.2	2236.0	255.5	6.0	8.1	2315.2	3246.4	667.4	538.5	
18	2234.3	233.7	0.5	0.2	2215.1	82.0	0.8	6.8	2235.6	250.3	6.8	9.4	2314.7	3812.6	1202.1	1219.1	
19	2234.3	233.7	0.5	0.2	2213.4	77.7	1.7	3.9	2235.6	250.3	9.1	9.1	2310.4	4293.8	403.5	543.9	
20	2234.3	233.7	0.4	0.2	2211.4	73.9	1.2	0.1	2235.5	249.0	7.6	8.3	2310.2	4739.9	287.5	520.9	
21	2234.3	233.7	0.4	0.2	2210.0	61.7	1.0	0.1	2235.2	245.0	6.2	8.3	2297.7	5194.1	199.7	319.0	
22	2234.4	234.9	0.4	0.2	2215.7	81.6	1.1	0.1	2234.9	241.2	6.1	8.3	2297.0	5637.0	133.8	112.1	
23	2234.4	234.9	0.4	0.2	2216.5	86.2	1.4	0.1	2234.5	236.2	6.0	8.3	2299.3	6280.4	95.2	73.2	
24	2234.4	234.9	0.4	0.2	2217.2	88.6	1.3	0.1	2234.4	234.9	5.8	7.0	2299.8	6807.8	85.7	71.7	
25	2234.7	238.7	2.1	0.2	2217.8	90.8	1.2	0.1	2234.3	233.7	5.6	5.8	2294.5	7288.8	115.7	256.3	
26	2234.7	238.7	0.4	0.2	2218.4	93.1	1.2	0.1	2234.2	232.4	5.3	5.8	2291.4	7877.2	97.4	173.8	
27	2234.7	238.7	0.4	0.2	2218.9	95.1	1.2	0.1	2234.1	231.2	5.2	5.8	2291.8	8496.3	80.9	71.0	
28	2234.8	239.9	0.4	0.2	2219.2	97.2	1.1	0.1	2234.0	229.9	5.2	5.8	2291.8	8896.3	70.3	70.0	
29	2234.8	239.9	0.4	0.2	2219.5	99.1	1.1	0.1	2240.9	229.4	5.6	6.0	2291.3	9372.4	67.9	79.8	
30	2234.8	239.9	0.4	0.2	2219.8	101.0	1.1	0.1	2263.4	823.4	252.7	3.7	2289.9	1806.7	753.2	94.9	
31	2234.8	239.9	0.4	0.2					2269.4	1006.6	92.6	0.2	2288.6	1747.0	206.4	93.5	
TOTAL		19.4	73.2			29.2	98.2			59.6	134.9			624.6	5869.6		
Inf. Ac. Ft.		38.5				57.9				117.4				1238.2	13,659.0		
Outf. Ac. Ft.		145.2	+(6.3)			194.8	+(2.0)			267.6	+(0.2)			1164.2	16.5		+(15.0)
Net Change		2.1				1.7				252.7				1262.9	1,262.9		
Mean Daily Inflow		0.3				0.4				1.4				12.4			3.3
Storage Change		-113.0				-138.9				+905.6				+740.4			+394.1

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: E. K. DEMPE, G. H. MIDDLETON
DAM TENDER: G. H. MIDDLETON
HYDROGRAPHER: G. H. MIDDLETON
COMPUTATIONS: G. H. MIDDLETON
GAGE HTS. COPIED: G. H. MIDDLETON
STORAGE APPLIED: G. H. MIDDLETON
INF. & OUTF. COMP. APX: G. H. MIDDLETON

REMARKS: * RESERVOIR GAGE HEIGHTS SHOWN; STORAGE INCLUDES PIT ** (OUTFLOW FROM STA. F209R LESS 1.5% OF COMPUTED INFLOW)
() INDICATES AVERAGE FOR PERIOD OR PRO-RATED DAILY AMOUNTS
() INDICATES EVAPORATION LOSS

F. C. Dist. Form 88B Revised 8/68 11/74

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam
In San Gabriel Canyon - West Fork for the Year Ending September 30, 19 52
On San Gabriel Canyon - West Fork for the Year Ending September 30, 19 52
Continuous Water Stage Recorder PRESSURE
Gage Heights READ DAILY

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of JAN. & SEPT. 19 47 SURVEY
Gage Heights READ DAILY

Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2287.2	1683.8	61.8	93.6	2291.8	1896.3	36.3	0.5	2348.0	6053.4	136.9	1.6	2380.7	10019.9	52.0	15.7
2	2285.8	1622.0	61.3	92.3	2293.0	1954.2	29.9	0.5	2350.5	6312.7	133.3	1.7	2381.2	10089.9	50.5	15.7
3	2284.2	1553.0	56.5	91.0	2293.9	1998.7	23.1	0.5	2352.8	6555.2	125.0	1.8	2381.7	10160.0	48.8	15.7
4	2283.6	1527.9	53.3	65.8	2294.7	2038.8	20.8	0.5	2354.9	6782.0	117.3	1.9	2382.1	10217.7	46.0	15.7
5	2284.1	1549.0	48.8	37.8	2294.3	2018.7	20.8	30.7	2356.6	6991.5	108.7	2.0	2382.4	10260.0	43.5	15.3
6	2284.4	1561.8	43.7	37.1	2295.3	2069.2	26.0	0.5	2358.5	7182.7	99.5	2.1	2382.7	10302.4	42.0	16.6
7	2284.6	1570.3	41.1	36.5	2296.0	2105.0	40.4	** 22.4	2360.6	7424.3	124.3	2.2	2383.1	10360.0	41.0	17.1
8	2284.7	1574.6	38.9	36.5	2296.0	2105.0	63.2	124.1	2362.5	7648.2	115.2	2.3	2383.4	10403.0	40.0	17.1
9	2284.8	1578.9	38.7	36.5	2297.3	2206.3	59.7	231.9	2364.1	7840.6	100.0	2.4	2383.7	10446.0	39.0	17.1
10	2284.7	1574.6	36.6	36.5	2297.1	2188.7	111.9	186.3	2365.8	8048.9	108.4	2.6	2384.0	10489.0	38.0	17.1
11	2284.7	1574.6	34.5	36.5	2297.8	2052.1	111.0	114.2	2367.1	8210.5	84.4	2.7	2384.2	10518.0	37.0	17.5
12	2284.5	1566.1	32.5	36.5	2297.7	1150.1	94.4	** 45.0	2368.4	8374.5	82.7	2.8	2384.4	10547.0	36.2	17.6
13	2284.3	1557.5	32.2	36.5	2298.1	1309.0	80.5	0.4	2369.6	8527.7	80.0	2.9	2384.6	10576.0	35.4	18.0
14	2284.7	1574.6	31.9	23.1	2298.1	1457.7	75.4	0.4	2370.8	8682.4	77.0	3.0	2384.8	10605.0	34.5	18.5
15	2284.8	1578.9	27.2	23.2	2299.6	2296.9	64.2	** 218.9	2371.6	8786.6	73.6	11.6	2385.0	10634.0	33.7	18.5
16	2284.9	1583.1	26.0	23.2	2298.8	2242.4	44.2	** 470.0	2372.3	8878.3	70.4	22.7	2385.2	10664.0	32.4	18.3
17	2285.1	1591.7	25.0	22.7	2298.7	2247.8	27.6	** 274.0	2373.0	8970.4	68.5	22.9	2385.2	10664.0	31.0	27.2
18	2285.2	1596.1	24.6	22.2	2300.0	2318.8	27.9	192.0	2373.6	9039.9	66.6	23.2	2385.2	10664.0	30.0	28.7
19	2285.2	1596.1	23.4	22.2	2302.4	2459.5	21.4	146.1	2374.2	9129.4	64.1	23.6	2385.2	10664.0	28.0	28.7
20	2285.4	1604.7	21.8	17.3	2305.8	2652.5	184.2	83.9	2374.8	9209.8	65.0	23.9	2385.2	10664.0	27.0	25.6
21	2285.6	1613.4	24.0	19.6	2308.4	2809.9	164.9	85.1	2375.4	9290.4	64.2	24.3	2385.2	10664.0	27.8	30.4
22	2285.7	1617.7	24.3	21.9	2310.3	2927.5	147.6	87.8	2375.9	9357.7	61.0	24.6	2385.2	10664.0	26.5	28.7
23	2285.8	1622.0	26.0	23.6	2311.8	3022.4	138.7	90.5	2376.4	9425.5	60.3	25.0	2385.2	10664.0	25.5	24.8
24	2286.0	1630.7	28.2	23.6	2313.7	3145.9	154.4	91.8	2376.8	9479.8	53.6	25.3	2385.2	10664.0	24.4	23.8
25	2286.5	1652.8	22.8	11.5	2318.8	3498.1	217.1	39.1	2377.5	9575.4	73.8	25.6	2385.2	10664.0	23.4	23.0
26	2287.4	1692.8	20.9	0.5	2324.9	3953.4	230.8	1.0	2378.1	9657.8	67.2	28.7	2385.2	10664.0	23.0	21.6
27	2288.2	1728.8	18.9	0.5	2330.3	4391.7	222.5	1.0	2378.6	9728.5	61.3	25.7	2385.2	10664.0	22.1	20.3
28	2289.0	1765.2	19.1	0.5	2334.9	4783.0	202.1	1.3	2379.1	9795.2	54.4	19.1	2385.2	10664.0	21.7	18.9
29	2290.3	1829.3	30.9	0.5	2338.9	5149.9	184.0	1.2	2379.7	9879.1	55.4	15.6	2385.2	10664.0	21.2	18.1
30					2342.3	5474.0	165.3	1.4	2380.2	9948.9	54.0	15.6	2			

F. C. Dist. Form 880 Revised 8/11/44

Daily Gage Height in feet and Operation Record of SAN GABRIEL NO. 2 Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1952.

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder, Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10,634.3 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of JAN. & SEPT. 1847 Survey Gage Heights Read Daily

DAY	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2385.1	10649	20.8	19.6	2385.1	10649	11.2	9.4	2381.1	10075	5.1	17.8	2373.6	9049.9	2.4	22.2
2	2385.1	10649	20.6	19.6	2385.1	10649	11.2	9.4	2380.9	10047	5.1	17.8	2373.3	9010.2	2.4	19.8
3	2385.1	10649	20.5	19.4	2385.1	10649	10.5	8.7	2380.7	10019	4.9	17.4	2373.0	8970.4	2.4	19.1
4	2385.1	10649	20.3	19.4	2385.1	10649	10.3	8.3	2380.5	9991.6	4.9	17.4	2372.8	8930.6	2.4	19.6
5	2385.1	10649	20.1	18.7	2385.1	10649	9.6	7.9	2380.3	9962.9	4.6	17.4	2372.5	8890.8	2.4	19.6
6	2385.1	10649	19.8	18.2	2385.1	10649	9.5	7.5	2380.1	9934.8	4.6	17.4	2372.2	8851.1	2.4	19.6
7	2385.1	10649	19.4	17.8	2385.1	10649	9.0	7.2	2379.9	9906.9	4.3	17.4	2371.9	8811.3	2.4	20.0
8	2385.1	10649	19.0	17.4	2385.1	10649	8.5	6.4	2379.7	9879.1	4.3	17.4	2371.6	8771.6	2.4	20.0
9	2385.1	10649	18.6	17.4	2385.1	10649	8.0	6.8	2379.4	9851.3	4.0	17.4	2371.3	8731.9	2.4	20.0
10	2385.1	10649	18.5	16.9	2385.0	10634	7.2	12.1	2379.2	9823.5	4.0	16.9	2371.0	8692.2	2.4	20.0
11	2385.1	10649	18.4	16.9	2384.8	10605	6.5	16.5	2379.0	9795.7	3.7	16.5	2370.7	8652.5	2.4	20.0
12	2385.1	10649	17.6	16.0	2384.6	10576	6.0	16.0	2378.8	9767.9	3.3	16.5	2370.4	8612.8	2.4	19.6
13	2385.1	10649	17.3	15.6	2384.4	10547	5.8	16.0	2378.6	9740.1	3.2	16.5	2370.1	8573.1	2.4	19.6
14	2385.1	10649	16.6	14.8	2384.3	10518	5.7	16.0	2378.4	9712.3	3.2	16.0	2369.8	8533.4	2.4	19.6
15	2385.1	10649	16.4	14.8	2384.2	10489	5.7	16.0	2378.2	9684.5	3.2	15.6	2369.6	8493.7	2.4	19.6
16	2385.1	10649	16.5	14.3	2383.9	10460	5.6	16.0	2378.0	9656.7	3.2	15.2	2369.3	8454.0	2.4	19.6
17	2385.1	10649	14.5	12.2	2383.8	10431	5.6	16.0	2377.8	9628.9	2.8	14.8	2369.1	8414.3	2.4	19.2
18	2385.1	10649	13.6	11.8	2383.6	10402	5.5	16.0	2377.6	9601.1	2.8	14.8	2368.9	8374.6	2.3	19.2
19	2385.1	10649	13.6	11.8	2383.4	10373	5.4	16.0	2377.3	9573.3	2.8	15.2	2368.7	8334.9	2.3	19.2
20	2385.1	10649	12.8	11.0	2383.3	10344	5.4	16.0	2377.1	9545.5	2.8	15.6	2368.5	8295.2	2.3	19.2
21	2385.1	10649	12.8	11.4	2383.1	10315	5.3	15.7	2376.9	9517.7	2.8	15.6	2368.3	8255.5	2.3	19.2
22	2385.1	10649	12.8	11.4	2382.9	10286	5.3	16.5	2376.7	9489.9	2.8	15.6	2368.1	8215.8	2.3	19.2
23	2385.1	10649	12.5	11.4	2382.7	10257	5.3	16.5	2376.4	9462.1	2.8	18.7	2367.9	8176.1	2.3	19.2
24	2385.1	10649	13.0	11.8	2382.5	10228	5.3	16.5	2376.1	9434.3	2.8	20.4	2367.7	8136.4	2.3	19.2
25	2385.1	10649	13.0	11.8	2382.3	10199	5.3	16.5	2375.9	9406.5	2.8	20.9	2367.4	8096.7	2.3	19.2
26	2385.1	10649	13.0	12.2	2382.1	10170	5.3	16.5	2375.7	9378.7	2.8	21.4	2367.2	8057.0	2.3	19.2
27	2385.1	10649	13.5	12.2	2382.0	10141	5.3	16.5	2375.5	9350.9	2.8	21.4	2367.0	8017.3	2.3	19.2
28	2385.1	10649	13.3	11.8	2381.8	10112	5.3	16.5	2375.2	9323.1	2.7	21.8	2366.7	7977.6	2.3	19.2
29	2385.1	10649	12.8	11.4	2381.6	10083	5.3	17.4	2374.9	9295.3	2.7	21.8	2366.5	7937.9	2.3	19.2
30	2385.1	10649	11.9	10.2	2381.5	10054	5.3	17.8	2374.6	9267.5	2.7	21.8	2366.3	7898.2	2.3	19.2
31					2381.3	10025	5.3	17.0	2374.4	9239.7	2.7	22.2				
TOTAL			482.3	438.2			210.5	427.3			106.8	551.6			70.7	524.6
Inf. Ac. Ft.			938.6				317.7				211.8				140.2	3372.6
Outf. Ac. Ft.			869.2	+(89.5)			344.3	+(115.6)			1094.1	+(118.4)			23,438.8	+(596.0)
Maximum Inflow			20.8				11.2				5.1				2.4	1,282.9
Minimum Inflow			11.9				5.3				2.7				2.3	0.3
Storage Change			0				-545.5				-1000.6				-992.1	47,783.8

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: E. K. DeVore (Dam Tender), G. H. Middleton (Hydrographer)

COMPUTATIONS: J.H. HW (Gage Hts. copied), J.H. HW (Storage applied), J.H. HW (Inf. & Outf. comp.)

REMARKS: () INDICATES AVERAGE PERIOD OR PRO-RATED DAILY AMOUNTS. () INDICATES EVAPORATION LOSSES. OUTFLOW FROM STATION F209-R LESS 1.5% OF COMPUTED INFLOW DURING STORM PERIODS FOR ACCRETION BELOW DAM.

F. C. Dist. Form 88A Revised 8/11/44

Daily Gage Height in feet and Operation Record of COGSWELL (formerly San Gabriel No. 2) Dam

In San Gabriel Canyon - West Fork for the Year Ending September 30, 1953.

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Continuous Water Stage Recorder, Pressure

Drainage Area 39.2 Square Miles. Capacity of Reservoir 10634 Ac. Ft. at Spillway Elev. 2385.0 Ft. as of September 1947

DAY	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	2366.1	8055.9	2.1	13.7	2322.3	3755.2	4.5	7.9	2321.4	3688.0	4.1	7.7	2280.7	1409.5	18.1	16.0
2	2366.9	8061.3	2.0	13.7	2322.2	3747.6	4.6	7.9	2322.5	3770.2	4.9	7.7	2280.7	1409.5	16.3	16.0
3	2366.5	8024.2	2.0	13.7	2322.0	3732.6	1.0	7.9	2322.7	3785.2	1.6	8.3	2280.6	1405.5	15.7	15.6
4	2366.4	7999.6	2.0	13.7	2321.8	3717.7	0.9	7.9	2322.9	3800.3	1.6	8.4	2280.6	1405.5	13.8	15.6
5	2366.2	7950.3	2.0	13.8	2321.4	3692.8	0.9	7.7	2323.0	3815.4	1.2	8.5	2280.6	1405.5	17.6	15.6
6	2364.8	7925.9	2.0	13.8	2321.3	3680.5	4.3	7.7	2323.0	3807.8	8.8	8.6	2281.4	1437.5	32.1	16.0
7	2364.6	7901.5	2.0	13.3	2321.2	3673.1	4.2	7.7	2323.0	3807.8	8.8	8.6	2281.9	1457.7	26.2	16.0
8	2364.4	7877.2	2.0	13.3	2321.1	3665.6	4.1	7.6	2322.6	3792.8	8.9	15.9	2273.8	1153.5	17.1	16.6
9	2364.2	7852.8	2.0	13.3	2320.9	3650.9	2.0	7.8	2322.4	3762.7	8.9	23.6	2265.3	638.7	17.1	23.9
10	2364.0	7828.4	1.9	13.3	2320.8	3643.5	2.0	7.8	2322.0	3732.6	8.9	23.6	2229.8	183.2	17.0	23.8
11	2363.8	7804.0	1.9	13.3	2320.6	3628.8	1.9	7.9	2321.6	3702.8	8.9	23.6	2217.2	86.5	17.0	65.9
12	2363.5	7768.1	1.8	13.9	2320.4	3614.2	1.9	8.0	2320.7	3636.2	8.8	43.7	2221.2	110.4	23.6	11.5
13	2363.3	7744.0	1.8	14.3	2320.6	3628.8	1.5	8.0	2319.3	3554.1	8.8	59.5	2225.9	146.9	21.8	3.4
14	2363.1	7719.9	1.8	14.3	2321.4	3648.8	3.7	8.0	2317.4	3387.7	8.8	77.8	2225.0	175.2	17.7	3.5
15	2360.9	7459.2	1.7	11.6	2321.4	3648.8	0.3	8.0	2316.4	3308.0	8.8	54.0	2231.2	197.7	15.1	3.7
16	2358.9	7160.0	9.7	17.3	2321.4	3648.8	0.2	8.0	2315.3	3253.2	8.8	38.2	2233.1	219.1	14.6	3.8
17	2355.5	6847.8	9.7	17.3	2321.4	3648.8	0.2	8.0	2315.2	3246.4	8.8	9.4	2234.7	238.7	13.7	3.9
18	2352.6	6533.9	9.7	17.0	2321.3	3640.5	6.1	8.1	2313.5	3132.7	15.5	72.7	2236.1	256.9	13.2	4.0
19	2349.7	6229.4	9.7	17.0	2321.2	3673.1	5.9	8.1	2313.0	2927.5	69.6	173.0	2237.3	273.6	12.4	4.0
20	2347.7	6022.5	9.8	11.9	2321.2	3673.1	5.8	8.1	2304.0	2546.1	41.9	234.0	2238.4	289.8	12.3	4.1
21	2347.5	6001.9	9.8	12.7	2321.1	3665.6	5.7	8.1	2301.0	2374.4	33.8	120.0	2239.3	303.6	11.2	4.2
22	2346.3	5878.4	9.8	61.9	2321.0	3638.2	5.6	8.1	2299.9	2313.3	16.1	46.7	2240.1	316.3	10.8	4.2
23	2343.0	5548.3	9.8	17.0	2321.0	3658.2	5.5	8.1	2296.3	2120.6	12.1	10.0	2240.9	329.4	10.6	4.2
24	2339.8	5238.8	9.8	17.0	2320.9	3650.9	5.4	8.1	2292.6	1934.8	9.5	103.0	2241.6	341.0	10.4	4.3
25	2336.6	4940.5	10.0	16.1	2320.8	3643.5	5.4	8.1	2288.9	1760.7	8.9	96.6	2242.2	351.1	10.3	4.3
26	2333.3	4649.0	10.0	15.4	2320.7	3636.2	5.4	8.1	2285.2	1596.1	9.6	92.4	2242.8	361.5	9.8	4.4
27	2330.2	4333.2	10.0	14.8	2320.6	3628.8	5.4	8.1	2281.7	1449.6	10.1	84.0	2243.4	371.9	9.4	4.4
28	2326.9	4110.7	10.0	14.2	2320.6	3628.8	5.4	8.1	2280.2	1389.7	13.8	43.9	2243.9	380.7	9.3	4.4
29	2323.6	3833.5	10.0	13.8	2320.5	3621.5	5.6	8.2	2280.3	1393.7	18.1	16.0	2244.5	391.5	8.8	4.4
30	2322.4	3762.7	9.9	54.2					2280.6	1405.5	22.1	16.0	2244.9	398.7	8.6	4.4
TOTAL			186.7	2342.7			178.3	239.1			532.1	1643.8			465.0	970.9
Inf. Ac. Ft.			370.3				35.7				1039.4				222.3	3701.7
Outf. Ac. Ft.			464.6	+(71.8)			474.2	+(20.6)								

F. C. Dist. Form 680 Revised 500 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam
(Formerly San Gabriel No. 2)
In San Gabriel Canyon - West Fork for the Year Ending September 30, 1953
Drainage Area 39.2 Square Miles Capacity of Reservoir 10634 Ac. Ft. at Spillway Elev. 2365.0 Ft. as of September, 1953 Continuous Water Stage Recorder Pressure
Gage Heights Read daily

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2245.5	406.1	8.4	4.5	2251.9	538.7	9.0	4.7	2256.5	643.5	5.5	4.8	2254.9	606.0	6.0	10.6	
2	2245.7	413.5	8.2	4.5	2252.2	545.3	9.2	4.7	2256.6	645.9	5.5	4.8	2254.8	596.9	5.9	10.6	
3	2245.1	421.0	8.0	4.5	2252.4	549.7	7.1	4.7	2256.6	645.9	5.5	4.8	2253.6	576.4	5.7	9.8	
4	2246.4	426.7	7.8	4.5	2252.7	556.3	7.1	4.7	2256.6	645.9	5.5	4.8	2253.6	576.4	5.7	9.8	
5	2246.7	432.4	7.6	4.5	2252.9	560.7	7.1	4.7	2256.6	645.9	5.5	4.8	2253.6	576.4	5.7	9.8	
6	2247.0	438.1	7.5	4.5	2253.1	565.2	7.0	4.7	2256.7	648.3	5.4	4.8	2252.7	556.3	5.2	9.8	
7	2247.3	444.0	7.5	4.5	2253.3	569.7	7.0	4.7	2256.7	648.3	5.4	4.8	2252.3	547.5	4.9	9.8	
8	2247.6	449.9	7.4	4.5	2253.4	571.9	7.0	4.7	2256.7	648.3	5.0	4.8	2251.8	536.6	4.7	9.8	
9	2247.8	455.8	7.2	4.5	2253.6	576.4	6.9	4.8	2256.7	648.3	5.0	4.8	2251.3	525.6	4.5	9.8	
10	2248.1	459.7	7.1	4.5	2253.8	580.9	6.9	4.8	2256.7	648.3	5.0	4.8	2250.8	515.1	4.3	9.4	
11	2248.3	463.7	7.0	4.6	2253.9	583.2	6.9	4.8	2256.7	648.3	5.0	4.8	2250.4	506.7	4.2	9.4	
12	2248.6	469.7	6.9	4.6	2254.1	587.7	6.9	4.8	2256.7	648.3	5.0	4.8	2249.8	494.2	4.2	9.4	
13	2248.8	473.7	6.8	4.6	2254.2	590.0	6.0	4.8	2256.7	648.3	4.9	4.8	2249.3	483.2	4.2	9.5	
14	2249.0	477.7	6.7	4.6	2254.3	592.3	6.1	4.8	2256.7	648.3	4.9	4.8	2248.6	469.7	4.2	10.2	
15	2249.2	481.8	6.6	4.6	2254.4	594.6	6.1	4.8	2256.7	648.3	5.0	4.8	2248.0	457.7	4.2	10.2	
16	2249.3	483.9	6.6	4.6	2254.5	596.9	6.1	4.8	2256.7	648.3	5.0	4.8	2247.4	445.9	4.2	10.2	
17	2249.5	488.0	6.6	4.6	2254.6	599.1	6.0	4.8	2256.7	648.3	5.0	4.8	2246.8	434.3	3.9	9.8	
18	2249.7	492.1	6.6	4.7	2254.7	601.4	6.1	4.8	2256.7	648.3	5.0	4.8	2246.2	422.9	3.7	9.8	
19	2249.8	494.2	6.6	4.7	2254.8	603.7	6.0	4.8	2256.7	648.3	5.0	4.8	2245.6	411.7	3.7	9.8	
20	2250.0	498.3	6.5	4.7	2255.3	615.3	10.8	4.8	2256.7	648.3	4.9	4.8	2245.0	400.5	3.7	9.4	
21	2250.2	502.5	6.5	4.7	2255.5	620.0	10.7	4.8	2256.9	653.3	7.3	4.8	2244.4	389.7	3.7	9.1	
22	2250.3	504.6	6.5	4.7	2255.6	622.3	10.7	4.8	2256.9	653.3	7.3	4.8	2243.8	379.0	3.7	8.7	
23	2250.6	510.9	8.0	4.7	2255.8	626.9	10.6	4.8	2256.7	648.3	5.4	7.5	2243.1	366.7	3.7	8.7	
24	2250.8	515.1	7.0	4.7	2255.9	629.3	6.2	4.8	2256.4	641.1	5.4	9.4	2242.5	356.3	3.7	8.7	
25	2251.0	519.3	6.8	4.7	2256.0	631.6	6.2	4.8	2256.1	634.0	5.4	9.1	2241.9	346.0	3.7	8.3	
26	2251.1	521.5	6.7	4.7	2256.1	634.0	6.2	4.8	2255.8	626.9	5.4	8.7	2241.3	336.0	3.6	8.3	
27	2251.3	525.8	6.6	4.7	2256.2	636.4	6.2	4.8	2255.8	626.9	8.7	8.7	2240.7	326.1	3.6	8.3	
28	2251.5	530.1	6.5	4.7	2256.2	636.4	5.6	4.8	2255.8	626.9	8.4	8.3	2240.0	314.7	3.6	9.8	
29					2256.3	638.7	5.5	4.8	2255.6	622.3	6.2	8.3	2239.1	300.5	3.6	11.0	
30					2256.4	641.1	5.5	4.8	2255.5	615.3	6.3	9.6	2238.1	285.2	3.6	11.0	
31					2256.4	641.1	5.5	4.6					2237.1	270.7	3.6	10.6	
TOTAL		198.2	128.9				207.6	149.0			167.1	175.2			132.3	300.2	
Inf. Ac. Ft.		493.1					412.2				341.4				262.4	410.8	
Outf. Ac. Ft.		255.7	4(5.0)				293.6	4(7.5)			347.5	4(9.7)			595.4	4(141.4)	
Maximum Mean Daily Inflow		8.4					10.8				8.7				6.0	69.6	
Minimum Mean Daily Inflow		6.5					5.5				4.9				3.6	0.9	
Storage Change		+131.4					+111.0				-25.6				-244.6	-784.1	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	2366.3	feet	on	10/1/52	Storage	8111.0	Acres Feet	RECORDS COLLECTED BY	E. D. DEVOE	Dam Tender	COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	2192.7	feet	on	6/16/53	Storage	23.	Acres Feet	G. H. MIDDLETON	Hydrographer	Storage applied	GM		
Max. Peak Inf.	254	C.F.S. from		10:00 P.M. on	12/1/52					Hydrographer	Inf. & Outf. comp.	GM	
Max. Peak Outf.	328	C.F.S. from		2:30 P.M. on	1/9/53					Hydrographer			

REMARKS: () INDICATES AVERAGE FOR PERIOD.
() INDICATES EVAPORATION LOSSES.

F. C. Dist. Form 680 Revised 500 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of COGSWELL Dam
(Formerly San Gabriel No. 2)
In San Gabriel Canyon - West Fork for the Year Ending September 30, 1953
Drainage Area 39.2 Square Miles Capacity of Reservoir 10634 Ac. Ft. at Spillway Elev. 2365.0 Ft. as of September, 1953 Continuous Water Stage Recorder Pressure
Gage Heights Read daily

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	2236.3	259.6	3.5	9.4	2202.7	36.0	1.5	1.9	2209.8	39.3	0.9	0.8	2203.4	37.0	0.8	0.8	
2	2235.6	250.3	3.4	8.0	2202.3	35.4	1.5	1.7	2209.7	36.5	0.9	1.5	2203.4	37.0	0.8	0.8	
3	2234.9	241.2	3.2	7.7	2202.0	35.0	1.5	1.6	2209.4	36.4	0.9	1.3	2203.4	37.0	0.8	0.7	
4	2234.1	231.2	3.1	7.7	2201.9	34.9	1.4	1.5	2209.9	36.4	0.9	0.8	2203.4	37.0	0.8	0.7	
5	2233.3	221.5	3.0	7.7	2201.7	34.6	1.4	1.5	2209.0	36.5	0.9	0.8	2203.4	37.0	0.8	0.7	
6	2232.4	211.1	3.0	7.7	2205.0	**34.5	1.3	1.4	2205.5	36.5	0.9	0.8	2203.4	37.0	0.8	0.7	
7	2231.6	202.1	2.8	7.4	2207.7	35.4	1.3	0.9	2205.4	36.7	0.8	0.8	2203.4	37.0	0.8	0.6	
8	2230.8	193.4	2.7	7.2	2202.0	34.6	1.3	1.8	2205.6	36.7	0.8	0.8	2203.4	37.0	0.8	0.6	
9	2229.9	184.2	2.6	7.2	2206.0	34.8	1.3	0.9	2206.0	36.8	0.8	0.8	2203.4	37.0	0.8	0.6	
10	2229.0	175.2	2.5	6.9	2207.4	35.2	1.2	0.7	2206.2	36.8	0.8	0.8	2203.4	37.0	0.8	0.6	
11	2228.0	165.6	2.4	7.2	2208.2	36.3	1.2	0.7	2206.5	37.0	0.8	0.8	2203.4	37.0	0.8	2.1	
12	2226.7	155.9	2.3	7.7	2204.9	34.8	1.2	1.9	2206.8	37.0	0.8	0.8	2197.8	29.1	0.8	3.6	
13	2225.5	145.5	2.2	7.7	2205.5	34.8	1.2	1.2	2206.8	37.0	0.8	0.8	2196.1	27.0	0.8	2.2	
14	2224.1	132.0	2.2	7.7	2205.2	35.2	1.2	1.3	2206.7	37.2	0.8	0.8	2195.4	26.2	0.8	1.1	
15	2222.8	122.0	2.2	7.4	2205.0	35.4	1.2	1.2	2206.5	37.2	0.8	0.8	2193.9	24.4	0.8	1.9	
16	2221.5	112.5	2.2	7.4	2205.0	35.7	1.2	1.2	2206.5	37.2	0.8	0.8	2192.7	23.0	0.8	1.8	
17	2219.9	101.7	2.2	7.4	2205.3	35.7	1.2	1.2	2206.2	37.1	0.8	0.8	2193.5	23.9	0.8	0.5	
18	2218.5	**91.8	2.1	6.9	2205.5	35.7	1.1	1.2	2206.0	37.1	0.8	0.8	2194.2	24.7	0.8	0.6	
19	2217.9	85.4	2.1	6.2	2205.8	35.8	1.1	1.0	2205.7	37.0	0.8	0.8	2195.6	26.4	0.8	0.2	
20	2214.8	71.9	2.1	5.6	2206.3	35.9	1.0	0.9	2205.4	37.0	0.8	0.8	2194.8	27.9	0.8	1.0	
21	2211.7	**60.9	2.1	6.9	2206.5	36.0	1.0	0.9	2205.2	37.0	0.8	0.8	2196.8	27.9	0.8	0.1	
22	2210.6	**48.4	1.9	6.6	2207.0	36.1	1.0	0.9	2204.4	36.9	0.8	0.8	2197.6	28.9	0.8	0.6	
23	2209.0	45.7	1.9	3.8	2207.2	36.2	1.0	0.9	2204.1	37.0	0.8	0.8	2197.6	28.9	0.8	0.6	
24	2207.6	43.5	1.8	3.3	2207.5	36.4	1.0	0.8	2203.4	37.0	0.9	0.9	2198.0	29.4	0.8	0.9	
25	2205.4	41.5	1.8	3.0	2207.7	36.6	1.0	0.8	2203.4	37.0	0.9	0.9	2197.2	28.4	0.8	0.6	
26	2205.4	40.0	1.7	2.7	2207.6	36.8	1.0	0.8	2203.4	37.0	0.8	0.8	2198.4	30.0	0.8	0.1	
27	2204.6	38.8	1.7	2.5	2204.7	36.1	1.0	1.5	2203.4	37.0	0.8	0.8	2199.2	31.1	0.8	0.1	
28	2203.9	37.8	1.7	2.3	2206.7	36.3	1.0	0.8	2203.4	37.0	0.8	0.8	2199.1	30.9	0.8	0.8	
29	2203.4	37.0	1.7	2.0	2207.6	36.6	1.0	0.8	2203.4	37.0	0.8	0.8	2199.2	31.1	0.8	0.7	
30	2203.0	**36.4	1.7	2.0	2208.1	37.6	1.0	0.8	2203.4	37.0	0.8	0.8	2199.0	30.8	0.8	0.7	
31					2208.5	**38.1	1.0	0.8	2203.4	37.0	0.8	0.8					
TOTAL		69.8	106.2				36.4	35.5			25.6	26.2			24.1	27.2	
Inf. Ac. Ft.		138.4					72.2				50.8				47.8	441.0	
Outf. Ac. Ft.		369.3	4(3.4)				70.4				52.0						

F. C. Div. Form 98A, Revised 9/6 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam NO. 1
In San Gabriel Canyon for the Year Ending September 30, 1952
Continuous Water Stage Recorder AU
Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,928 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 19, 51 Gage Heights Read daily

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	0	0	11.3	11.3	0	0	8.5	8.5	1286.9	1	467.8	16.8	13.4	1302.4	1095.0	221.0	224.3
2	0	0	12.7	12.7	0	0	8.6	8.6	1287.2	2	481.2	20.2	13.4	1303.0	1126.7	162.3	166.4
3	0	0	12.4	12.4	0	0	8.1	8.1	1287.6	3	490.4	18.2	13.4	1303.8	1218.5	124.0	128.4
4	0	0	12.5	12.5	0	0	7.4	7.4	1287.9	4	503.3	19.9	13.4	1304.8	1273.1	124.0	128.4
5	0	0	12.2	12.2	4.4	4.4	7.2	5.0	1292.2	5	522.0	10.6	31.7	1306.0	1303.6	100.9	85.4
6	0	0	11.9	11.9	20.1	20.1	8.1	0.2	1292.3	6	557.3	62.5	59.7	1306.2	1320.3	93.9	85.4
7	0	0	11.6	11.6	22.6	22.6	5.6	3.8	1291.5	7	625.6	44.4	60.2	1307.0	1370.4	110.8	85.4
8	0	0	10.9	10.9	25.3	25.3	5.0	4.1	1290.2	8	581.6	38.3	60.2	1307.3	1380.1	90.5	85.4
9	0	0	5.7	5.7	29.7	29.7	11.5	9.3	1288.5	9	520.4	29.6	60.2	1307.7	1378.7	84.1	84.6
10	0	0	4.6	4.6	33.4	33.4	12.2	10.3	1287.8	10	515.9	37.0	39.3	1307.0	1367.7	78.7	84.1
11	0	0	4.3	4.3	35.1	35.1	11.2	10.3	1288.0	11	530.6	30.7	23.3	1306.7	1350.4	75.5	84.1
12	0	0	4.3	4.3	35.2	35.2	12.4	13.3	1287.4	12	560.6	110.8	45.2	1309.2	1322.8	511.0	224.1
13	0	0	4.3	4.3	34.5	34.5	13.0	10.8	1287.5	13	702.3	82.2	45.5	1307.3	1329.0	568.3	143.5
14	0	0	4.2	4.2	48.4	48.4	13.8	11.2	1292.0	14	677.5	67.8	82.2	1307.9	1429.0	568.3	481.5
15	0	0	4.1	4.1	51.4	51.4	12.8	10.1	1291.3	15	618.4	50.6	80.2	1313.0	1385.5	571.6	366.9
16	0	0	4.1	4.1	58.2	58.2	13.6	11.2	1289.3	16	566.7	53.5	79.5	1316.0	1215.7	333.8	317.5
17	0	0	4.0	4.0	69.1	69.1	14.2	8.6	1289.0	17	556.1	51.6	56.8	1317.4	1226.0	164.7	159.5
18	0	0	3.9	3.9	75.3	75.3	12.0	8.6	1290.0	18	572.5	53.8	45.5	1314.5	1095.9	296.7	311.9
19	0	0	4.0	4.0	95.3	95.3	16.6	6.7	1290.1	19	589.7	54.2	45.5	1324.5	1300.9	143.7	207.6
20	0	0	4.0	4.0	140.2	140.2	36.8	14.1	1290.1	20	592.3	46.9	45.5	1323.2	1286.0	109.8	117.3
21	0	0	4.1	4.1	192.3	192.3	40.4	13.9	1289.9	21	590.7	44.8	45.5	1325.1	1336.0	805.7	691.6
22	0	0	4.2	4.2	246.5	246.5	28.4	11.6	1289.7	22	583.2	44.4	45.5	1325.1	1339.0	507.5	351.2
23	0	0	4.4	4.4	298.2	298.2	25.7	11.1	1289.0	23	677.5	44.9	45.5	1325.1	1325.3	438.6	509.3
24	0	0	4.5	4.5	354.2	354.2	30.5	11.1	1290.2	24	604.4	44.1	35.2	1324.8	1304.7	408.2	505.2
25	0	0	24.7	24.7	1284.4	1284.4	389.2	18.5	1290.3	25	601.2	29.0	30.5	1325.2	1318.0	371.2	504.2
26	0	0	14.3	14.3	1285.3	1285.3	425.1	19.3	1290.7	26	607.6	33.9	30.5	1326.0	1319.0	514.2	508.8
27	0	0	11.0	11.0	1286.1	1286.1	441.8	17.8	1291.3	27	616.6	35.1	30.5	1325.5	1314.7	376.6	397.8
28	0	0	9.8	9.8	1286.3	1286.3	449.3	17.4	1291.3	28	627.9	36.2	30.5	1326.7	1327.9	358.9	291.8
29	0	0	8.7	8.7	1286.5	1286.5	455.6	16.6	1291.7	29	790.3	140.2	58.3	1327.4	1335.8	349.7	309.4
30	0	0	8.7	8.7	1286.7	1286.7	461.1	16.3	1304.1	30	1188.1	1670.4	459.9	1327.0	1344.6	355.9	311.1
31	0	0	8.6	8.6	470.9	470.9	236.7	13.4	1302.3	31	1101.9	325.3	326.8	1328.6	1352.8	352.9	311.1
TOTAL			250.0	250.0													
Int. Ac. Ft.			495.9				934.0					491.4				1829.7	1607.4
Over. Ac. Ft.			495.9	(0)			469.5	+ (3.4)				470.8				483.4	+ (22.3)
Inflow			24.7				40.4					670.4				3338.8	3338.8
Head Daily Inflow			3.9				5.0					16.8				78.5	3.9
Storage Change			0				+461.1					+640.0				+2426.1	+3828.0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1447.98	feet	on	7/31/52	Storage	41282	Acres Feet		RECORDS COLLECTED BY		COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	NO STORAGE	feet	on	OCTOBER	Storage	0	Acres Feet		R. H. HARRISON	Dam Tender	Gage Hts. copied	J.H.	HRW 1/9/53
Max. Peak Inflow	6130	C.F.S. from	2:00 A.M.	on	1/16/52	to	4:00 A.M.	on	G. H. MIDDLETON	Hydrographer	Storage applied	J.H.	HRW 1/9/53
Max. Peak Outflow	5200	C.F.S. from	8:00 A.M.	on	1/16/52	to	9:00 A.M.	on		Hydrographer	Inf. & Outf. comp.	J.H.	HRW 1/9/53

REMARKS: () INDICATES EVAPORATION LOSSES
* STORAGE IN DAM AND RESERVOIR; RESERVOIR ELEVATIONS ONLY SHOWN

F. C. Div. Form 98B, Revised 9/6 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam NO. 1
In San Gabriel Canyon for the Year Ending September 30, 1952
Continuous Water Stage Recorder AU
Drainage Area 202.7 Square Miles. Capacity of Reservoir 43,928 Ac. Ft. at Spillway Elev. 1453.0 Ft. as of November 19, 51 Gage Heights Read daily

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1329.4	3627.0	351.3	311.1	1333.1	4430.0	170.3	16.0	1354.2	8068.0	255.1	88.0	1413.9	2595.1	346.1	88.0	
2	1330.2	3731.0	364.4	311.8	1336.6	4670.0	138.0	16.0	1358.3	7929.0	223.7	88.2	1415.4	2638.0	376.9	88.0	
3	1330.8	3816.0	385.5	311.8	1336.5	4845.0	125.9	13.0	1361.5	7967.0	571.0	126.3	1416.0	2710.0	384.6	88.0	
4	1331.0	3847.0	329.3	312.8	1334.5	4744.0	138.6	290.0	1363.6	1015.7	574.8	328.5	1418.2	2782.0	368.6	88.0	
5	1330.7	3803.0	291.1	312.3	1333.2	4162.0	161.0	252.2	1366.5	1084.6	579.5	230.2	1419.5	2817.8	356.6	88.0	
6	1330.2	3742.0	282.4	312.1	1333.7	4235.0	125.5	88.7	1369.1	1151.0	567.6	231.2	1420.7	2866.7	336.7	88.0	
7	1329.7	3670.0	277.4	313.0	1333.1	4146.0	376.6	421.5	1370.9	1194.8	599.9	378.6	1421.8	2721.9	324.2	88.0	
8	1329.0	3573.0	266.9	316.0	1330.6	3792.0	589.1	767.3	1371.8	1219.0	605.1	482.2	1422.9	2696.0	321.4	88.0	
9	1328.1	3462.0	261.9	317.0	1329.0	3572.0	510.9	621.3	1373.9	1273.5	512.1	236.1	1424.0	13004.9	314.8	88.0	
10	1327.1	3337.0	255.2	318.0	1329.3	3418.0	542.9	519.7	1376.7	1350.6	502.3	113.3	1425.0	13048.1	309.1	88.0	
11	1326.1	3206.0	252.3	319.0	1329.4	3230.0	527.8	521.3	1379.2	1419.2	451.1	104.9	1426.0	13090.2	304.8	88.0	
12	1325.8	3172.0	236.4	253.0	1329.6	3656.0	399.9	386.8	1381.5	1484.4	417.4	88.0	1426.9	13131.9	302.2	88.0	
13	1326.3	3227.0	222.4	194.1	1332.6	4067.0	295.7	88.0	1383.6	1548.4	412.1	88.0	1427.5	13171.7	293.0	88.0	
14	1326.3	3238.0	207.8	201.3	1335.0	4442.0	266.9	88.5	1385.7	1610.0	400.5	88.0	1428.7	13210.9	289.6	88.0	
15	1326.4	3247.0	186.1	181.0	1345.0	4618.0	1312.4	461.8	1387.6	1670.4	395.3	88.0	1429.6	13250.5	290.3	88.0	
16	1326.6	3267.0	177.0	166.5	1348.2	4673.4	1605.0	1289.3	1389.5	1672.9	390.8	88.0	1430.5	13288.5	282.7	88.0	
17	1326.7	3279.0	177.5	171.0	1346.0	4629.9	1062.3	1281.1	1391.4	1790.8	397.9	88.0	1431.2	13324.0	271.7	88.0	
18	1326.7	3283.0	174.6	171.0	1344.0	4592.8	866.2	1053.0	1393.3	1850.8	391.7	88.0	1432.0	13359.7	273.1	88.0	
19	1326.7	3284.0	172.0	172.0	1343.1	4576.1	730.6	814.3	1395.2	1915.3	414.3	88.0	1432.8	13369.2	275.6	88.0	
20	1326.1	3332.0	158.6	153.8	1340.3	4527.1	625.7	871.3	1397.0	1975.2	321.7	88.0	1433.6	13413.9	271.9	88.0	
21	1328.1	3342.0	148.3	82.4	1337.3	4778.0	577.6	822.7	1398.8	2035.1	317.7	88.0	1434.4	13459.6	282.3	88.0	
22	1329.0	3372.0	145.2	87.4	1332.6	4732.0	570.3	801.5	1400.4	2093.6	325.2	88.0	1435.2	13503.3	263.1	88.0	
23	1329.7	3367.0	136.9	87.4	1331.1	4836.0	516.0	745.5	1403.7	2160.9	376.0	88.0	1435.9	13533.8	242.1	88.0	
24	1330.4	3363.0	136.2	87.4	1328.7	4833.0	518.6	685.4	1405.7	2208.5	376.2	88.0	1436.5	13564.2	241.6	88.0	
25	1331.0	3341.0	128.2	88.7	1327.6	4932.0	583.9	649.0	1405.6	2278.7	441.9	88.0	1437.1	13593.2	239.2	88.0	
26	1331.3	3389.0	118.9	91.7	1326.7	33281.0	655.7	715.9	1407.3	2340.4	400.5	88.0	1437.7	13621.5	235.0	88.0	
27	1331.7	3397.0	115.8	92.7	1326.8	33000.0	709.6	698.6	1408.7	2392.8	364.7	88.0	1438.3	13648.4	228.5	88.0	
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F. C. Dist. Form REC Revised 6/28 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL DAM</u> Dam NO. <u>1</u>																	
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 19 <u>52</u>																	
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>43,928</u> Ac. Ft. at Spillway Elev. <u>1453.0</u> Ft. as of <u>November</u> 19 <u>51</u>																	
Continuous Water Stage Recorder <u>AM</u> Gage Heights <u>Read daily</u>																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1440.7	237636	195.6	88.0	1447.4	41028	113.9	89.6	1447.9	641271	90.1	89.6	1445.7	7040108	70.2	88.9	1
2	1441.1	337834	192.8	88.0	1447.5	41054	114.2	89.6	1447.9	341256	89.6	89.6	1445.5	940052	67.6	88.9	2
3	1441.5	38039	196.2	88.0	1447.6	41090	109.3	89.6	1447.9	041240	88.6	89.6	1445.4	859996	67.3	88.9	3
4	1441.9	78243	195.0	88.0	1447.6	41131	111.2	89.6	1447.8	441223	89.4	89.6	1445.3	379940	66.3	88.9	4
5	1442.3	738440	192.7	88.0	1447.7	41177	104.3	89.6	1447.8	441209	87.1	89.6	1445.2	259884	68.7	88.9	5
6	1442.7	638631	187.9	89.0	1447.7	41152	105.7	89.6	1447.8	041188	85.2	89.6	1445.1	359818	64.0	88.8	6
7	1443.1	18804	192.7	88.0	1447.7	41162	102.4	89.6	1447.7	641168	85.6	89.6	1445.0	399752	62.8	88.3	7
8	1443.4	39968	176.3	88.0	1447.7	41168	100.7	89.6	1447.7	441147	85.0	89.6	1444.7	739686	64.9	88.3	8
9	1443.7	89137	178.9	88.0	1447.7	41168	97.9	89.6	1447.6	741121	81.1	89.6	1444.7	459621	62.4	88.3	9
10	1444.0	782282	166.8	88.0	1447.7	41157	91.8	89.6	1447.6	241095	82.9	89.6	1444.6	2399560	62.5	88.3	10
11	1444.3	439414	163.7	89.2	1447.7	41173	105.4	89.6	1447.5	741069	83.5	89.6	1444.5	1399505	65.7	88.3	11
12	1444.5	939545	159.8	90.3	1447.7	41183	101.5	89.6	1447.5	341038	81.2	89.6	1444.4	039449	68.5	88.3	12
13	1444.8	39661	155.6	90.3	1447.8	41194	102.3	89.6	1447.4	441002	78.6	89.6	1444.2	279333	64.3	88.3	13
14	1445.0	489772	152.1	90.3	1447.8	41204	100.3	89.6	1447.3	740966	78.6	89.6	1444.1	439338	62.9	88.3	14
15	1445.2	39774	145.4	90.3	1447.8	41214	99.1	89.6	1447.3	040929	77.8	88.9	1444.0	039247	60.9	88.3	15
16	1445.4	39971	145.8	90.3	1447.8	41230	102.5	89.6	1447.2	240883	74.4	88.9	1443.8	459167	57.3	88.3	16
17	1445.6	240068	144.1	89.9	1447.9	41240	99.9	89.6	1447.1	140831	70.2	88.9	1443.6	839088	55.8	88.3	17
18	1445.8	8040159	141.2	89.6	1447.9	41251	101.2	89.6	1447.0	140779	69.5	88.9	1443.5	139003	51.8	88.3	18
19	1445.9	640241	136.8	89.6	1447.9	41245	93.1	89.6	1446.9	240728	71.1	88.9	1443.4	238958	66.5	88.3	19
20	1446.1	040312	130.6	89.6	1447.9	41240	95.1	89.6	1446.8	140677	70.1	88.9	1443.3	138903	64.3	88.3	20
21	1446.2	440384	130.1	89.6	1447.8	41235	93.5	89.6	1446.7	040620	68.1	88.9	1443.3	838839	59.1	88.3	21
22	1446.3	940461	132.5	89.6	1447.8	41230	94.1	89.6	1446.6	640374	75.0	88.9	1443.2	358759	52.6	88.3	22
23	1446.5	240528	127.8	89.6	1447.8	41230	96.7	89.6	1446.5	240283	73.2	88.9	1443.2	318705	66.7	88.3	23
24	1446.6	840615	137.1	89.6	1447.8	41235	97.3	89.6	1446.4	240478	70.4	88.9	1443.1	838441	61.5	88.3	24
25	1446.8	440692	132.7	89.6	1447.8	41235	95.6	89.6	1446.3	340430	72.2	88.9	1443.0	338567	54.6	88.3	25
26	1446.9	940769	132.3	89.6	1447.8	41235	95.1	89.6	1446.2	240389	74.2	88.9	1442.9	138508	61.6	88.3	26
27	1447.1	140831	126.3	89.6	1447.9	41240	99.0	89.6	1446.1	140348	72.5	88.9	1442.8	838445	60.7	88.3	27
28	1447.2	40888	123.1	89.6	1447.9	41256	103.3	89.6	1446.0	940307	75.2	88.9	1442.7	138335	45.4	88.3	28
29	1447.3	440945	123.8	89.6	1447.9	41271	101.6	89.6	1446.0	040261	73.7	88.9	1442.6	538283	58.6	88.3	29
30	1447.4	240992	119.7	89.6	1447.9	41288	101.1	89.6	1445.9	040210	70.7	88.9	1442.5	938209	57.4	88.3	30
31					1447.9	41282	96.2	89.6	1445.8	040159	69.6	88.9					31
TOTAL		4624.4	2675.4			3125.3	12777.6			2414.4	412765.2			1853.2	2652.5		
Inf. Ac. Ft.		9112.4				613.9				4788.9				3675.8	15397.8		
Outf. Ac. Ft.		5305.6	+(307.8)			5509.3	+(399.7)			5484.7	+(427.2)			5261.2	+(564.6)	11891.9	+(1920.6)
Net Daily Inflow		196.2				114.2				90.1				70.2	3338.8		
Net Daily Outflow		119.7				93.1				68.1				45.4	3.9		
Storage Change		+3558				+290				1123				+1950			+3820
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
Yearly Totals																	
Max. W. S. Elev.	1447.98	feet	on	7/31/52	Storage	41282	Acres Feet		RECORDS COLLECTED BY				COMPUTATIONS		ckd.	Date	
Min. W. S. Elev.	NO STORAGE	feet	on	OCTOBER	Storage	0	Acres Feet		R. H. HARRISON				Gage Hts. copied				
Max. Peak Inf.	6130.	C. F. S. from	2:00 A.M.	on	1/16/52	to	4:00 A.M.	on	1/16/52	G. H. MIDDLETON				Storage applied			
Max. Peak Outf.	5200.	C. F. S. from	8:00 A.M.	on	1/16/52	to	9:00 A.M.	on	1/16/52					Inf. & Outf. comp.			
REMARKS	() INDICATES EVAPORATION LOSSES																

F. C. Dist. Form ECA Revised 5/28 11/44

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>SAN GABRIEL</u> Dam																		
(Formerly San Gabriel No. 1)																		
In <u>San Gabriel Canyon</u> for the Year Ending September 30, 19 <u>53</u>																		
Drainage Area <u>202.7</u> Square Miles. Capacity of Reservoir <u>43928</u> Ac. Ft. at Spillway Elev. <u>1453.0</u> Ft. as of <u>November</u> 19 <u>51</u> Survey																		
Continuous Water Stage Recorder <u>AU</u> Gage Heights <u>Read daily</u>																		
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1441.7	38126	52.8	88.3	1420.4	28552	106.4	673.7	1292.0	643.8	90.5	3.2	1313.9	1912	88.9	80.6	1	
2	1441.5	38049	54.0	88.3	1415.7	28663	81.1	1029.6	1298.4	904.3	215.1	83.7	1314.0	4	1913	83.9	80.6	2
3	1441.0	37266	52.7	88.3	1410.8	24743	127.0	1029.2	1293.8	688.3	34.9	102.8	1314.0	6	1921	82.6	80.6	3
4	1441.2	37878	49.7	88.3	1407.0	22922	81.1	808.3	1287.2	419.9	63.0	30.9	1314.0	8	1920	80.5	80.6	4
5	1441.1	37720	49.0	88.3	1403.4	21987	109.2	762.9	1287.4	419.8	77.6	75.6	1314.0	10	1917	80.4	81.7	5
6	1440.8	37713	55.6	88.3	1399.4	20534	77.6	783.3	1287.4	419.8	71.6	71.6	1314.0	12	1920	86.3	84.8	6
7	1440.7	37626	50.8	88.3	1395.1	21077	75.0	819.7	1287.3	418.5	66.5	67.1	1314.6	14	1972	114.3	88.1	7
8	1440.5	37544	52.4	88.3	1390.1	17480	89.1	907.7	1286.9	305.7	67.7	124.5	1314.9	16	2002	103.3	88.1	8
9	1440.3	37438	50.5	88.3	1384.0	15849	87.1	906.3	1286.2	288.7	73.7	82.2	1317.2	18	2220	199.0	88.7	9
10	1440.1	37376	52.7	88.3	1380.5	14558	100.0	748.0	1286.0	283.9	79.7	82.0	1322.5	20	2736	374.6	88.7	10
11	1440.0	37324	53.6	88.3	1375.4	13150	99.7	807.0	1281.8	280.3	77.8	79.5	1326.6	22	3267	331.5	88.7	11
12	1439.8	37298	49.4	88.3	1370.0	11732	96.6	810.8	1281.7	278.0	75.9	77.0	1328.0	24	3446	179.3	88.7	12
13	1439.2	35911	54.0	128.4	1364.3	10220	102.7	813.9	1283.4	43.1	69.0	187.4	1328.1	26	3484	98.7	89.6	13
14	1438.6	34635	68.1	132.0	1357.7	8789	197.1	968.9	1283.7	42.6	121.1	121.3	1328.1	28	3464	89.5	88.8	14
15	1437.3	31012	32.6	40.2	1350.7	7252	193.4	968.3	1283.4	40.0	45.0	128.8	1328.0	30	3448	80.8	88.1	15
16	1434.9	34408	124.4	67.6	1342.3	5620	151.1	972.6	1286.0	55.0	69.7	65.2	1327.9	32	3429	78.9	88.1	16
17	1433.8	34420	225.6	46.8	1331.4	3905	107.0	970.8	1281.3	32.0	147.							

F. C. Dist. Form 600 Revised 5/8 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam
(Formerly San Gabriel No. 1)
In San Gabriel Canyon for the Year Ending September 30, 1953.
Continuous Water Stage Recorder AU
Drainage Area 202.7 Square Miles. Capacity of Reservoir 43928 Ac. Ft. at Spillway Elev. 1543.0 Ft. as of November 1951 Survey Gage Heights Read daily.

Day	FEBRUARY				MARCH				APRIL				MAY				
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	321.82	2700	56.7	47.2	319.46	2445	55.5	44.6	322.47	3037	44.5	30.6	333.35	3882	50.8	30.2	
2	321.20	2632	55.5	39.1	319.61	2461	53.4	44.6	322.94	3061	43.2	30.3	333.51	3911	46.4	30.2	
3	320.61	2558	55.2	33.0	319.71	2472	50.8	44.6	323.17	3059	44.9	30.2	333.70	3957	45.3	30.2	
4	319.94	2456	52.2	33.0	319.78	2479	48.7	44.6	323.51	3114	43.5	30.2	333.84	3957	42.5	30.2	
5	319.27	2425	52.6	33.0	319.81	2482	46.9	44.6	323.61	3142	44.6	30.2	333.97	3979	41.2	30.2	
6	319.04	2401	51.5	63.2	319.84	2485	46.9	44.6	323.68	3175	47.4	30.2	333.12	3996	42.8	30.2	
7	319.07	2404	53.1	50.9	319.86	2487	46.5	44.6	323.61	3206	46.7	30.2	333.22	4016	41.6	30.2	
8	319.06	2403	51.5	30.9	319.88	2489	46.4	44.6	323.66	3235	46.1	30.2	333.24	4037	42.3	30.2	
9	319.04	2401	50.7	30.9	319.89	2490	45.7	44.6	323.65	3263	45.5	30.2	333.25	4057	42.1	30.2	
10	319.04	2401	51.4	30.5	319.90	2492	46.2	44.6	323.67	3288	43.7	30.2	333.26	4076	42.0	30.2	
11	319.04	2401	50.9	50.3	319.92	2494	46.1	44.6	323.69	3313	44.2	30.2	333.28	4093	41.0	30.2	
12	319.04	2401	51.2	50.3	319.95	2497	46.8	44.6	323.71	3337	43.5	30.2	333.29	4107	39.4	30.2	
13	319.01	2398	49.5	50.3	319.96	2498	45.7	44.6	323.73	3357	41.1	30.2	333.30	4121	38.9	30.2	
14	318.92	2395	49.4	50.3	319.97	2499	42.9	44.6	323.75	3379	42.5	30.2	333.31	4140	41.0	30.2	
15	318.92	2395	50.0	44.6	319.98	2500	46.1	44.6	323.76	3398	40.9	30.2	333.32	4153	42.6	30.2	
16	318.88	2385	49.1	50.3	319.99	2500	43.0	38.8	323.77	3415	39.7	30.2	333.33	4168	43.6	30.2	
17	318.80	2377	47.1	50.3	320.00	2503	44.9	30.6	323.79	3434	40.6	30.2	333.35	4210	42.6	30.2	
18	318.70	2365	45.8	50.3	320.04	2506	44.2	30.6	323.80	3452	40.2	30.2	333.37	4226	39.5	30.2	
19	318.62	2358	47.2	30.3	320.07	2509	49.1	30.6	323.82	3473	41.6	30.2	333.38	4241	38.9	30.3	
20	318.61	2357	46.7	46.5	320.11	2512	62.5	30.6	323.83	3493	47.3	30.2	333.39	4255	38.1	30.3	
21	318.62	2359	46.0	44.6	320.17	2516	54.5	30.6	323.84	3517	51.6	30.2	333.40	4268	38.3	30.3	
22	318.65	2361	46.7	44.6	320.19	2517	49.8	30.6	323.85	3542	43.6	30.2	333.41	4282	38.6	30.3	
23	318.68	2365	50.5	44.6	320.24	2520	48.2	30.6	323.86	3560	45.0	30.2	333.42	4294	37.8	30.3	
24	318.99	2395	50.0	44.6	320.27	2520	47.6	30.6	323.87	3576	44.1	30.2	333.43	4305	37.6	30.3	
25	319.07	2404	49.0	44.6	320.30	2523	45.1	30.6	323.88	3593	44.7	30.2	333.44	4316	37.7	30.3	
26	319.11	2409	47.8	44.6	320.32	2525	47.1	30.6	323.89	3608	43.6	30.2	333.45	4326	37.1	30.4	
27	319.16	2414	47.7	44.6	320.34	2529	44.4	30.6	323.90	3627	54.9	30.2	333.46	4338	37.8	30.4	
28	319.26	2424	49.9	44.6	320.37	2531	44.9	30.6	323.91	3647	57.9	37.1	333.47	4352	43.0	30.4	
29					320.41	2531	47.8	30.6	323.92	3670	51.0	30.2	333.48	4364	42.8	30.4	
30					320.48	2533	47.4	30.6	323.93	3684	49.6	30.2	333.49	4379	39.3	30.4	
31					320.52	2531	45.5	30.6	323.94	3684	49.6	30.2	333.49	4414	39.1	30.4	
TOTAL		3411.0	1562.7			1434.6	1668.8			1357.3	913.4			1271.7	938.1		
Inf. Ac. Ft. Outf. Ac. Ft.		2733.7				2944.7				2592.2				2522.4			3737.5
Maximum Inflow		56.8	(36.9)			254.3*	(43.4)			151.7*	(47.4)			186.07*	(21.6)		722.5 + (65.3)
Minimum Inflow		45.8				62.5				37.9				50			374.6
Max. Daily Storage Change		-338.0				43.0				37.1				37.1			37.1
						+579.0				+833.0				+570.0			+3275.0 (233.4)

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1441.90	feet	on	10/1/52	Storage	38209	Acres Feet		RECORDS COLLECTED BY		COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	1250.±	feet	on	12/18/52	Storage	0	Acres Feet		R. HARRISON	Dam Tender	Gage Hts. copied	J.H.	GM
Max. Peak Inf.	544.	C.F.S. from	12:00 MIDNITE	on	12/1/52	to	1:00 A.M.	on	G. H. MIDDLETON	Hydrographer	Storage applied	J.H.	GM
Max. Peak Outf.	626.	C.F.S. from	1:50 P.M.	on	12/22/52	to	2:10 P.M.	on		Hydrographer	Inf. & Outf. comp.	J.H.	GM

REMARKS () INDICATES EVAPORATION LOSSES.

F. C. Dist. Form 600 Revised 5/8 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN GABRIEL Dam
(Formerly San Gabriel No. 1)
In San Gabriel Canyon for the Year Ending September 30, 1953.
Continuous Water Stage Recorder AU
Drainage Area 202.7 Square Miles. Capacity of Reservoir 43928 Ac. Ft. at Spillway Elev. 1543.0 Ft. as of November 1951 Survey Gage Heights Read daily.

Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	335.09	4429	39.0	30.4	333.89	4177	19.4	30.1	332.97	3112	11.1	30.5	333.31	1806	11.7	33.5
2	335.17	4441	37.8	30.4	333.69	4148	17.9	30.1	332.56	3072	11.9	30.5	333.54	1755	10.3	35.2
3	335.22	4448	35.5	30.4	333.50	4120	17.9	30.1	332.32	3035	12.4	30.3	333.91	1704	10.2	35.2
4	335.27	4456	35.7	30.4	333.30	4091	17.7	30.1	332.00	2994	12.3	30.1	334.12	1653	10.4	35.2
5	335.30	4461	35.8	30.4	333.47	4060	16.4	30.1	331.68	2956	12.5	30.4	334.00	1603	11.0	35.2
6	335.37	4471	35.9	30.4	333.26	4030	16.6	30.1	331.32	2914	10.6	30.4	333.99	1550	9.8	35.2
7	335.42	4479	35.5	30.4	333.27	4000	17.2	30.1	331.00	2876	12.0	30.1	333.98	1497	9.6	35.4
8	335.46	4485	34.6	30.4	333.25	3969	16.5	30.1	330.64	2834	10.9	30.1	333.81	1442	8.7	35.2
9	335.48	4488	33.7	30.6	333.24	3939	17.3	30.1	330.28	2792	10.1	30.1	333.70	1388	8.6	34.8
10	335.49	4489	33.0	30.6	333.20	3905	15.2	30.1	329.93	2752	11.2	30.1	333.60	1332	7.5	34.8
11	335.48	4488	31.9	30.6	333.17	3872	15.6	30.1	329.58	2713	11.8	30.1	333.55	1277	8.1	34.9
12	335.45	4483	30.3	30.6	333.15	3840	15.6	30.1	329.21	2671	10.2	30.1	333.50	1222	8.2	34.9
13	335.42	4479	30.9	30.6	333.12	3806	15.1	30.1	328.82	2627	9.4	30.1	333.41	1167	7.9	34.9
14	335.38	4473	29.5	30.6	333.10	3773	15.5	30.1	328.41	2585	9.6	30.1	333.37	1114	8.8	34.8
15	335.34	4466	28.1	30.6	333.08	3740	15.3	30.1	328.02	2540	10.2	30.1	333.02	1061	8.6	34.7
16	335.29	4459	26.8	30.7	333.05	3709	16.0	30.1	327.62	2498	10.7	30.1	333.18	1010	9.8	34.9
17	335.28	4458	31.3	30.7	333.03	3678	16.2	30.1	327.21	2455	10.3	30.1	333.10	956	8.4	35.1
18	335.30	4461	32.8	30.7	333.00	3642	14.1	30.1	326.87	2407	7.6	30.1	333.07	903	8.7	35.1
19	335.32	4464	33.2	30.7	332.98	3608	14.6	30.1	326.55	2365	10.5	30.1	333.07	850	8.9	35.1
20	335.31	4462	31.4	30.7	332.95	3575	15.1	30.1	326.22	2321	9.4	30.1	333.05	797	8.8	35.1
21	335.28	4458	30.5	30.7	332.93	3538	13.1	30.1	325.88	2278	10.1	30.1	333.05	744	8.8	35.1
22	335.19	4444	25.4	30.7	332.90	3503	14.2	30.1	325.51	2231	8.0	30.1	333.05	691	8.8	35.1
23	335.09	4429	24.9	30.7	332.87	3467	13.7	30.1	325.15	2183	9.9	30.1	333.02	620	9.1	44.4
24	334.98	4412	23.8	30.7	332.84	3429	12.9	30.1	324.78	2144	9.6	30.1	333.01	568	9.1	45.1
25	334.85	4393	23.0	30.7	332.81	3391	13.1	30.1	324.39	2099	9.0	30.1	333.00	507	9.8	20.0
26	334.70	4371	21.1	30.5	332.78	3354	13.1	30.1	324.00	2055	9.5	30.1	333.00	445	9.8	10.1
27	334.57	4351	22.5	30.5	332.76	3317	13.3	30.3	323.60	2011	9.2	30.2	333.05	543	9.4	10.1
28	334.40	4326	19.7	30.2	332.72	3277	12.1	30.5	323.15	1968	9.6	30.2	333.05	453	11.1	56.2
29	334.25	4304	21.2	30.2	332.69	3236	11.6	30.5	322.64	1928	11.1	30.2	333.05	300	15.5	92.5
30	334.08	4279	19.7	30.1	332.64	3195	11.2	30.5	322.14	1890	11.9	30.2	333.05	183.5	19.5	77.9
31		4205			332.60	3154	11.3	30.5	321.72	1851	11.4					

F. C. Dist. Form 58A Revised 8-6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam
In Big Dalton Canyon for the Year Ending September 30, 1952
On October 1944 Survey
Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 1944 Survey
Continuous Water Stage Recorder AV
Gage Heights Read daily

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1625.7	22.2	0.01	0	1625.8	22.4	0	0	1626.0	22.8	0	0	1634.7	48.1	1.8	0	
2	1625.7	22.2	0.01	0	1625.8	22.4	0	0	1626.1	23.0	0.1	0	1635.4	50.7	1.3	0	
3	1625.7	22.2	0.01	0	1625.8	22.4	0	0	1626.1	23.0	0	0	1635.9	52.6	1.0	0	
4	1625.7	22.2	0.01	0	1625.8	22.4	0	0	1626.2	23.2	0.1	0	1636.3	54.2	0.8	0	
5	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.3	23.5	0.2	0	1636.3	55.7	0.8	0	
6	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.3	23.5	0.02	0	1637.1	57.3	0.8	0	
7	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.3	23.5	0.02	0	1637.5	59.0	0.9	0	
8	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.3	23.5	0.02	0	1637.8	60.3	0.7	0	
9	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.4	23.7	0.02	0	1638.4	61.5	0.7	0	
10	1625.7	22.2	0.01	0	1625.7	22.2	0	0	1626.4	23.7	0.01	0	1638.4	62.8	0.7	0	
11	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.4	23.7	0.01	0	1638.6	63.7	0.4	0	
12	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.5	23.9	0.01	0	1639.8	69.0	2.7	0	
13	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.5	23.9	0.02	0	1644.0	89.9	10.5	0	
14	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.5	23.9	0.02	0	1645.6	94.7	4.5	0	
15	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.5	23.9	0.02	0	1647.7	111.3	6.3	0	
16	1625.6	22.0	0.01	0	1625.7	22.2	0	0	1626.6	24.1	0.02	0	1665.0	256.5	73.2	0	
17	1625.6	22.0	0	0	1625.7	22.2	0	0	1626.6	24.1	0.02	0	1667.7	286.8	26.7	11.4	
18	1625.6	22.0	0	0	1625.7	22.2	0	0	1626.6	24.1	0.02	0	1671.5	333.2	47.3	23.9	
19	1625.6	22.0	0	0	1625.8	22.4	0.1	0	1626.6	24.1	0.02	0	1671.0	326.8	26.5	29.7	
20	1625.6	22.0	0	0	1625.9	22.6	0.1	0	1626.6	24.1	0.02	0	1669.1	303.4	21.2	33.0	
21	1625.6	22.0	0.01	0	1626.0	22.8	0.1	0	1626.6	24.1	0.02	0	1666.6	273.2	17.2	32.4	
22	1625.6	22.0	0.01	0	1626.0	22.8	0.05	0	1626.6	24.1	0.02	0	1665.3	259.8	10.6	17.4	
23	1625.6	22.0	0.01	0	1626.0	22.8	0.05	0	1626.6	24.1	0.02	0	1664.7	253.3	6.8	10.1	
24	1625.6	22.0	0.01	0	1626.0	22.8	0	0	1626.6	24.1	0.02	0	1663.9	244.8	5.7	10.0	
25	1625.6	22.4	0.2	0	1626.0	22.8	0	0	1626.6	24.1	0.02	0	1663.5	240.6	6.1	8.2	
26	1625.6	22.4	0.02	0	1626.0	22.8	0	0	1626.7	24.3	0.02	0	1663.5	240.6	4.5	4.5	
27	1625.6	22.4	0.02	0	1626.0	22.8	0	0	1626.7	24.3	0.01	0	1663.4	239.6	4.0	4.5	
28	1625.6	22.4	0.02	0	1626.0	22.8	0	0	1626.7	24.3	0.01	0	1663.3	238.6	4.0	4.5	
29	1625.6	22.4	0.02	0	1626.0	22.8	0	0	1626.7	24.3	0	0	1663.4	236.5	3.6	4.5	
30	1625.6	22.4	0.01	0	1626.0	22.8	0	0	1631.9	38.6	6.0	0	1663.1	236.5	3.6	3.6	
31	1625.6	22.4	0.01	0	1626.0	22.8	0	0	1633.7	44.6	6.0	0	1663.1	236.5	2.8	2.6	
TOTAL											11.01	0			297.7	200.5	
Infl. Ac. Ft.		1.0					0.4				21.8				59.0	61.3	
Outfl. Ac. Ft.															39.7	+(0.8)	
Net Inflow																19.3	
Mean Daily Inflow			0.2				0.1				6.0				73.2	73.2	
Minimum																0.4	
Storage Change		+0.2				+0.4					+2.1				+191.9	+214.3	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY
D. E. WILSON
F. E. STUNDEN

COMPUTATIONS
Gage Hts. copied
Storage applied
Inf. & Outfl. comp.

ckd. Date
JL APK HW
5/21/52

REMARKS
() INDICATES AVERAGE FOR PERIOD
() INDICATES EVAPORATION LOSSES

F. C. Dist. Form 58B Revised 8-6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of BIG DALTON Dam
In Big Dalton Canyon for the Year Ending September 30, 1952
On October 1944 Survey
Drainage Area 4.5 Square Miles. Capacity of Reservoir 951.6 Ac. Ft. at Spillway Elev. 1706.0 Ft. as of October 1944 Survey
Continuous Water Stage Recorder AV
Gage Heights Read daily

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1663.0	235.5	2.4	2.8	1662.9	244.8	1.6	0	1675.9	392.0	3.7	0	1686.6	560.6	1.9	0	
2	1662.9	234.5	2.3	2.8	1664.2	247.9	1.5	0	1676.5	400.6	3.7	0	1685.8	564.1	1.9	0	
3	1662.7	232.5	1.8	2.8	1664.4	250.1	1.2	0	1677.0	407.7	3.7	0	1687.0	567.5	1.9	0	
4	1662.5	230.5	1.8	2.8	1664.6	252.2	1.1	0	1677.5	415.0	3.7	0	1687.1	569.2	1.8	0	
5	1662.4	229.5	1.8	2.5	1664.8	254.4	1.1	0	1677.9	420.9	3.7	0	1687.3	572.8	1.8	0	
6	1662.3	228.5	1.8	2.3	1665.0	256.5	1.2	0	1678.3	426.9	3.6	0	1687.5	576.2	1.6	0	
7	1662.1	226.5	1.8	2.3	1667.7	286.8	15.6	0.4	1678.9	435.9	4.6	0	1687.6	578.0	1.6	0	
8	1662.1	226.5	1.7	1.9	1669.3	305.8	11.2	1.6	1679.5	445.0	4.7	0	1687.7	579.8	1.6	0	
9	1662.2	227.5	1.7	1.5	1670.2	316.8	7.3	1.6	1679.9	451.2	3.1	0	1687.9	583.2	1.5	0	
10	1662.2	227.5	1.7	1.5	1671.4	331.9	9.2	1.6	1680.4	459.0	4.0	0	1688.1	586.8	1.5	0	
11	1662.3	228.5	1.6	1.5	1672.5	346.0	8.7	1.6	1680.9	466.8	3.9	0	1688.2	588.5	1.2	0	
12	1662.4	229.5	1.6	1.5	1673.6	360.5	8.9	1.6	1681.3	473.2	3.4	0	1688.3	590.3	1.2	0	
13	1662.5	230.5	1.6	1.5	1674.7	375.3	9.1	1.6	1681.6	477.9	2.5	0	1688.4	592.1	1.2	0	
14	1662.6	231.5	1.6	1.5	1675.6	387.8	8.0	1.6	1681.9	482.7	2.5	0	1688.5	593.8	1.2	0	
15	1662.7	232.5	1.6	1.5	1677.8	419.5	25.0	9.1	1682.2	487.5	2.5	0	1688.6	595.6	1.2	0	
16	1662.7	232.5	1.6	1.5	1680.1	454.3	43.9	26.3	1682.6	494.0	2.5	0	1688.8	599.2	1.2	0	
17	1662.7	232.5	1.6	1.5	1680.1	454.3	29.1	29.0	1682.8	497.2	2.4	0	1689.0	602.7	1.2	0	
18	1662.7	232.5	1.6	1.5	1679.0	437.4	20.3	28.8	1683.1	502.0	2.4	0	1689.1	604.5	1.2	0	
19	1662.8	233.5	1.6	1.5	1677.8	419.5	16.1	25.1	1683.5	508.6	2.4	0	1689.2	606.3	1.2	0	
20	1662.8	233.5	1.6	1.5	1676.8	404.8	11.7	19.3	1683.8	513.5	2.3	0	1689.3	608.1	1.2	0	
21	1662.8	233.5	1.6	1.5	1675.6	387.8	9.8	16.7	1684.0	516.8	2.3	0	1689.3	608.1	0.7	0	
22	1662.8	233.5	1.6	1.5	1674.6	374.0	9.8	16.7	1684.3	521.8	2.3	0	1689.4	609.9	0.7	0	
23	1662.8	233.5	1.6	1.5	1673.5	359.2	9.1	16.6	1684.5	525.1	2.3	0	1689.5	611.7	0.7	0	
24	1662.8	233.5	1.6	1.5	1672.4	344.7	9.1	16.4	1684.8	530.1	2.3	0	1689.6	613.5	0.7	0	
25	1662.8	233.5	1.6	1.5	1672.2	342.1	7.5	8.7	1685.0	533.4	2.3	0	1689.6	613.5	0.6	0	
26	1662.9	234.5	1.6	0.5	1672.5	346.0	6.9	4.9	1685.3	538.5	2.3	0	1689.7	615.3	0.6	0	
27	1663.0	235.5	1.6	0	1672.6	347.3	5.6	4.9	1685.6	543.5	2.3	0	1689.7	615.3	0.6	0	
28	1663.2	237.6	1.6	0	1673.1	353.8	5.3	1.8	1685.9	548.6	2.3	0	1689.8	617.1	0.6	0	
29	1663.6	241.7	2.0	0	1673.9	364.5	5.3	0	1686.1	552.0	2.3	0	1689.8	617.1	0.6	0	
30					1674.6	374.0	4.9	0	1686.3	555.5	2.3	0	1689.9	618.9	0.6	0	
31					1675.3	383.6	4.8	0					1689.9	618.9	0.6	0	
TOTAL			49.6	46.2			309.9	237.3			88.3	0			36.1	0	
Infl. Ac. Ft.		98.4					614.7				175.1				71.4	157.1	
Outfl. Ac. Ft.							470.7	+(2.2)				+(3.2)			0	960.0+(17.3)	
Net Inflow																73.2	
Mean Daily Inflow			2.4				43.9				4.7				1.9	73.2	
Minimum			1.6				1.1				2.3				0.6	0	
Storage Change		+5.2				+141.9					+171.9				+63.4	+566.7	

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY
D. E. WILSON
F. E. STUNDEN

COMPUTATIONS
Gage Hts. copied
Storage applied
Inf. & Outfl. comp.

ckd. Date
JL APK HW
5/21/52

REMARKS
() INDICATES AVERAGE FOR PERIOD
() INDICATES EVAPORATION LOSSES

F. C. Dist. Form SAC Revised 5/8 11/74

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam													Continuous Water Stage Recorder <u>AU</u>					
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>4.5</u> Square Miles. Capacity of Reservoir <u>451.6</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>October</u> 19 <u>44</u> Survey													Gage Heights <u>Read daily</u>					
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1	1690.0	620.7	0.6	0	1681.1	470.0	0.2	2.8	1666.9	277.7	0.1	3.1	1627.0	23.0	0.3	0.0	1	
2	1690.0	620.7	0.6	0	1680.7	463.7	0.2	2.8	1666.4	272.0	0.1	3.2	1627.2	23.5	0.3	0.0	2	
3	1689.8	617.1	0.6	2.4	1680.4	459.0	0.2	2.8	1665.8	265.3	0.1	3.2	1627.4	23.5	0.3	0.0	3	
4	1689.5	611.7	0.6	3.8	1680.0	452.7	0.2	2.8	1665.3	259.8	0.1	3.2	1627.6	23.5	0.3	0.0	4	
5	1689.1	604.5	0.6	3.8	1679.6	446.6	0.2	2.8	1664.7	253.3	0.1	3.2	1627.8	27.0	0.3	0.0	5	
6	1688.8	599.2	0.6	3.8	1679.3	442.0	0.2	2.8	1663.9	244.8	0.1	4.5	1627.9	27.2	0.2	0.0	6	
7	1688.5	593.8	0.5	3.8	1678.9	435.9	0.2	2.8	1662.8	233.5	0.1	5.3	1628.1	27.8	0.2	0.0	7	
8	1688.2	588.5	0.5	3.8	1678.5	429.9	0.2	2.8	1661.7	222.6	0.1	5.3	1628.2	28.0	0.2	0.0	8	
9	1687.9	583.2	0.5	3.8	1678.2	425.4	0.1	2.8	1660.6	212.1	0.1	5.3	1628.3	28.3	0.2	0.0	9	
10	1687.8	578.5	0.5	1.6	1672.8	419.5	0.1	2.8	1659.4	201.0	0.1	5.3	1628.4	28.5	0.2	0.0	10	
11	1687.6	571.0	0.5	2.2	1677.3	412.1	0.1	2.8	1658.3	191.2	0.1	5.2	1628.5	28.8	0.2	0.0	11	
12	1687.3	572.8	0.5	2.2	1676.9	406.3	0.1	2.8	1657.1	180.8	0.1	5.2	1628.6	29.1	0.2	0.0	12	
13	1687.0	567.5	0.5	2.8	1676.5	400.6	0.1	2.8	1655.9	170.8	0.1	5.1	1628.7	29.3	0.2	0.0	13	
14	1686.7	562.3	0.5	2.8	1676.1	394.8	0.1	2.8	1654.7	161.1	0.1	5.1	1628.8	29.6	0.2	0.0	14	
15	1686.4	557.2	0.5	2.8	1675.7	389.2	0.1	2.8	1653.5	151.8	0.1	5.0	1628.9	29.8	0.1	0.0	15	
16	1686.1	552.0	0.5	2.8	1675.3	383.6	0.1	2.8	1652.2	142.0	0.1	4.8	1629.0	30.1	0.1	0.0	16	
17	1685.7	545.2	0.5	2.8	1674.9	378.0	0.1	2.8	1650.8	131.9	0.1	4.7	1629.1	30.4	0.1	0.0	17	
18	1685.4	540.2	0.5	2.8	1674.5	372.6	0.1	2.8	1649.4	122.3	0.1	4.6	1629.2	30.7	0.1	0.0	18	
19	1685.1	535.1	0.4	2.8	1673.9	364.5	0.1	4.2	1647.9	112.6	0.1	4.4	1629.3	30.9	0.1	0.0	19	
20	1684.7	528.4	0.4	2.8	1672.7	348.6	0.1	7.2	1646.4	103.4	0.1	4.3	1629.4	31.2	0.1	0.0	20	
21	1684.4	523.4	0.4	2.8	1671.9	338.2	0.1	4.8	1644.9	94.8	0.1	4.2	1629.5	31.5	0.1	0.0	21	
22	1684.0	516.8	0.4	2.8	1671.5	333.2	0.1	3.0	1643.5	86.2	0.1	4.2	1629.6	31.5	0.1	0.0	22	
23	1683.7	511.9	0.4	2.8	1671.0	326.8	0.1	3.0	1641.7	78.0	0.1	4.1	1629.7	31.5	0.1	0.0	23	
24	1683.3	505.3	0.3	2.8	1670.6	321.8	0.1	3.0	1640.1	70.4	0.1	4.1	1629.7	32.0	0.1	0.0	24	
25	1683.0	500.4	0.3	2.8	1670.2	316.8	0.1	3.0	1638.3	62.4	0.1	4.0	1629.7	32.1	0.1	0.0	25	
26	1682.7	495.6	0.3	2.8	1669.7	311.7	0.1	3.0	1636.4	54.6	0.2	3.9	1629.8	32.3	0.1	0.0	26	
27	1682.4	490.7	0.3	2.8	1669.2	304.6	0.1	3.0	1634.5	47.4	0.2	3.9	1629.8	32.3	0.1	0.0	27	
28	1682.1	485.9	0.3	2.8	1668.8	299.8	0.1	3.0	1632.4	40.2	0.2	3.8	1629.9	32.6	0.1	0.0	28	
29	1681.8	481.1	0.3	2.8	1668.3	293.9	0.1	3.0	1630.2	33.5	0.2	3.8	1630.0	32.9	0.1	0.0	29	
30	1681.4	474.8	0.3	2.8	1667.8	288.0	0.1	3.0	1627.8	27.0	0.2	3.7	1630.0	32.9	0.1	0.0	30	
31					1667.3	282.2	0.1	3.0	1626.7	24.3	0.2	3.7					31	
TOTAL			15.8	82.6			7.7	96.6			7.7	131.7					4.9	0
Inf. Ac. Ft.			27.4														9.7	122.2
Outf. Ac. Ft.			163.8	(7.7)			191.6	(8.7)			261.2	(4.0)				0	(1.2)	156.6 + (38.9)
Maximum			0.6				0.2				0.2					0.3		73.2
Min. Daily Inflow			0.3				0.1				0.1					0.1		0
Min. Daily Outflow																		0
Storage Change			-144.1				-192.6				-257.9					+8.6		+10.7

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1690.0	feet	on	6/1/52	Storage	621	Acres Feet		
Min. W. S. Elev.	1625.6	feet	on	10/20/51	Storage	22.0	Acres Feet		
Max. Peak Inf.	154	C. F. S. from	2:00 A.M.	on	1/16/52	to	4:00 A.M.	on	1/16/52
Max. Peak Outf.	33.4	C. F. S. from	NOON	on	1/19/52	to	1:00 P.M.	on	1/19/52

REMARKS () INDICATES AVERAGE FOR PERIOD.
() INDICATES EVAPORATION LOSSES.

F. C. Dist. Form SAC Revised 5/8 11/74

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam													Continuous Water Stage Recorder <u>AU</u>				
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>53</u>																	
Drainage Area <u>4.49</u> Square Miles. Capacity of Reservoir <u>951.6</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> 19 <u>44</u> Survey													Gage Heights <u>Read daily</u>				
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1630.1	33.2	0.1	0	1631.1	36.1	0.05	0	1632.1	39.2	0.4	0	1633.6	44.5	0.3	0	1
2	1630.1	33.2	0.1	0	1631.2	36.4	0.05	0	1632.3	39.9	0.1	0	1633.9	45.3	0.3	0	2
3	1630.2	33.5	0.1	0	1631.2	36.4	0.05	0	1632.3	39.9	0.1	0	1634.0	46.3	0.3	0	3
4	1630.3	33.8	0.1	0	1631.2	36.4	0.05	0	1632.4	40.2	0.1	0	1633.8	44.9	0.3	1.0	4
5	1630.3	33.8	0.1	0	1631.3	36.7	0.05	0	1632.4	40.2	0.1	0	1631.9	38.6	1.2	4.4	5
6	1630.4	34.1	0.1	0	1631.3	36.7	0.05	0	1632.5	40.6	0.1	0	1628.2	28.0	1.4	6.7	6
7	1630.4	34.1	0.1	0	1631.4	37.0	0.1	0	1632.6	40.9	0.1	0	1623.6	18.0	1.3	5.9	7
8	1630.4	34.1	0.1	0	1631.4	37.0	0.05	0	1632.6	40.9	0.1	0	1618.4	10.0	1.3	5.8	8
9	1630.4	34.1	0.1	0	1631.2	36.4	0.05	0.2	1632.6	40.9	0.1	0		2.9	1.2	4.8	9
10	1630.5	34.4	0.1	0	1631.2	36.4	0.05	0	1632.7	41.2	0.1	0		0.1	0.5	1.9	10
11	1630.5	34.4	0.1	0	1631.2	36.4	0.05	0	1632.8	41.5	0.05	0		1.1	0.5	1.1	11
12	1630.6	34.6	0.1	0	1631.2	36.4	0.05	0	1632.8	41.5	0.05	0		2.1	0.5	0	12
13	1630.6	34.6	0.05	0	1631.3	36.7	0.05	0	1632.9	41.9	0.05	0		3.1	0.5	0	13
14	1630.6	34.6	0.05	0	1631.5	37.4	0.3	0	1632.9	41.9	0.05	0		0.2	0.4	1.9	14
15	1630.7	34.9	0.05	0	1631.5	37.7	0.1	0	1633.0	42.2	0.05	0		0.8	0.3	0	15
16	1630.7	34.9	0.05	0	1631.6	37.7	0.05	0	1633.0	42.2	0.1	0		1.4	0.3	0	16
17	1630.7	34.9	0.05	0	1631.4	37.0	0.05	0.3	1633.1	42.5	0.1	0		2.0	0.3	0	17
18	1630.8	35.2	0.05	0	1631.4	37.0	0.05	0	1633.1	42.5	0.05	0		2.5	0.3	0	18
19	1630.8	35.2	0.05	0	1631.4	37.0	0.05	0	1633.4	43.6	0.6	0		3.1	0.3	0	19
20	1630.9	35.5	0.05	0	1631.4	37.0	0.05	0	1633.4	43.6	0.6	0		3.1	0.3	0	20
21	1630.9	35.5	0.05	0	1631.4	37.0	0.05	0	1633.4	43.6	0.6	0	1612.2	5.8	0.3	0	21
22	1630.9	35.5	0.05	0	1631.5	37.4	0.05	0	1633.4	43.6	0.6	0	1613.1	4.4	0.3	0	22
23	1630.9	35.5	0.05	0	1631.5	37.4	0.05	0	1633.5	43.9	0.1	0	1613.9	5.1	0.4	0	23
24	1630.9	35.5	0.05	0	1631.6	37.7	0.05	0	1633.6	44.2	0.1	0	1614.6	5.7	0.3	0	24
25	1630.9	35.5	0.05	0	1631.6	37.7	0.05	0	1633.6	44.2	0.1	0	1615.4	6.5	0.4	0	25
26	1631.0	35.8	0.05	0	1631.6	37.7	0.05	0	1633.7	44.6	0.1	0	1616.0	7.1	0.3	0	26
27	1631.0	35.8	0.05	0	1631.6	37.7	0.05	0	1633.6	44.9	0.1	0	1616.6	7.8	0.3	0	27
28	1631.0	35.8	0.05	0	1631.7	38.0	0.05	0	1634.0	45.6	0.4	0	1617.1	8.4	0.4	0	28
29	1631.1	36.1	0.05	0	1631.7	38.0	0.05	0	1634.1	46.0	0.2	0	1617.7	9.1	0.3	0	29
30	1631.1	36.1	0.05	0	1631.8	38.3	0.1	0	1633.8	44.9	0.2	0.9	1618.1	9.8	0.3	0	30
31	1631.1	36.1	0.05	0					1633.6	44.2	0.2</						

F. O. Dist. Form 88B Revised 8/8 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam														Continuous Water Stage Recorder <u>AU</u>			
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>53</u>														Gage Heights <u>Read daily</u>			
Drainage Area <u>4.49</u> Square Miles. Capacity of Reservoir <u>951.8</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> 19 <u>44</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1619.0	10.8	0.3	0	1626.4	23.7	0.3	0	1632.3	39.9	0.3	0	1636.2	57.8	0.2	0	1
2	1619.4	11.3	0.3	0	1626.6	24.1	0.3	0	1632.4	40.2	0.3	0	1636.4	54.6	0.2	0	2
3	1619.8	11.8	0.3	0	1626.8	24.6	0.3	0	1632.5	40.6	0.3	0	1636.5	55.0	0.2	0	3
4	1620.2	12.4	0.3	0	1627.0	25.0	0.3	0	1632.7	41.2	0.3	0	1636.6	55.3	0.2	0	4
5	1620.5	12.8	0.3	0	1627.2	25.5	0.3	0	1632.7	41.9	0.3	0	1636.7	55.7	0.2	0	5
6	1620.9	13.4	0.3	0	1627.4	26.0	0.3	0	1633.0	42.2	0.3	0	1636.8	56.1	0.2	0	6
7	1621.2	13.9	0.3	0	1627.6	26.5	0.3	0	1633.1	42.5	0.3	0	1636.9	56.5	0.2	0	7
8	1621.5	14.4	0.2	0	1627.7	26.8	0.2	0	1633.3	43.2	0.3	0	1636.9	56.5	0.2	0	8
9	1621.8	14.9	0.2	0	1627.9	27.2	0.2	0	1633.4	43.6	0.3	0	1637.0	56.9	0.2	0	9
10	1622.0	15.2	0.2	0	1628.1	27.8	0.2	0	1633.6	44.2	0.2	0	1637.1	57.3	0.2	0	10
11	1622.3	15.7	0.2	0	1628.3	28.3	0.2	0	1633.7	44.6	0.2	0	1637.2	57.7	0.2	0	11
12	1622.6	16.2	0.2	0	1628.5	28.8	0.2	0	1633.8	44.9	0.2	0	1637.3	58.2	0.2	0	12
13	1622.8	16.6	0.2	0	1628.6	29.1	0.2	0	1634.0	45.6	0.2	0	1637.4	58.6	0.2	0	13
14	1623.0	16.9	0.2	0	1628.8	29.6	0.2	0	1634.1	46.0	0.2	0	1637.4	58.6	0.2	0	14
15	1623.3	17.4	0.2	0	1628.9	29.8	0.2	0	1634.2	46.3	0.2	0	1637.5	59.0	0.2	0	15
16	1623.5	17.8	0.2	0	1629.1	30.4	0.2	0	1634.4	47.0	0.2	0	1637.5	59.0	0.2	0	16
17	1623.7	18.2	0.2	0	1629.3	30.9	0.2	0	1634.5	47.4	0.2	0	1637.6	59.4	0.2	0	17
18	1624.0	18.7	0.2	0	1629.4	31.2	0.2	0	1634.6	47.8	0.2	0	1637.7	59.8	0.2	0	18
19	1624.2	19.1	0.2	0	1629.6	31.8	0.2	0	1634.7	48.1	0.2	0	1637.8	60.3	0.2	0	19
20	1624.4	19.5	0.2	0	1629.7	32.2	0.2	0	1634.9	48.8	0.2	0	1637.8	60.3	0.2	0	20
21	1624.7	20.1	0.2	0	1629.8	32.8	0.2	0	1635.0	49.2	0.2	0	1637.9	60.7	0.2	0	21
22	1624.9	20.4	0.2	0	1630.0	33.4	0.2	0	1635.1	49.6	0.2	0	1638.0	61.1	0.2	0	22
23	1625.1	20.9	0.2	0	1630.1	34.0	0.2	0	1635.2	50.0	0.2	0	1638.1	61.5	0.2	0	23
24	1625.3	21.3	0.2	0	1630.2	34.5	0.2	0	1635.4	50.7	0.2	0	1638.2	62.0	0.2	0	24
25	1625.5	21.8	0.2	0	1630.3	35.0	0.2	0	1635.5	51.1	0.2	0	1638.2	62.0	0.2	0	25
26	1625.7	22.2	0.2	0	1630.4	35.5	0.2	0	1635.6	51.5	0.2	0	1638.3	62.4	0.2	0	26
27	1625.9	22.6	0.2	0	1630.5	36.0	0.2	0	1635.6	52.2	0.2	0	1638.3	62.4	0.2	0	27
28	1626.1	23.0	0.2	0	1630.6	36.5	0.2	0	1635.9	52.6	0.2	0	1638.4	62.8	0.2	0	28
29					1630.7	37.0	0.2	0	1635.9	53.0	0.2	0	1638.5	63.2	0.2	0	29
30					1630.8	37.5	0.2	0	1636.0	53.4	0.2	0	1638.5	63.2	0.2	0	30
31					1632.1	39.2	0.2	0	1636.1	53.4	0.2	0	1638.6	63.7	0.2	0	31
TOTAL			6.6	0			8.5	0			7.6	0			6.0	0	
Inf. Ac. Ft.		13.1					16.8				15.1			11.9		104.7	
Outf. Ac. Ft.		0+		(0.4)			0+	(0.6)			0+	(0.6)		0+	(1.6)	88.1	(5.8)
Maximum Mean Daily Inflow			0.3				0.4				0.3				0.2	1.4	
Minimum Mean Daily Inflow			0.2				0.2				0.2				0.1	0.1	
Storage Change			+12.7				+16.2				+14.2				-10.3	+30.8	
NOTE: Gage Heights and Storage as of Midnight on Day Shown																	
Max. W. S. Elev.	1640.32	feet on	7/31/53	Storage	71.4	Acres Feet			RECORDS COLLECTED BY				COMPUTATIONS				
Min. W. S. Elev.	1600.05	feet on	1/11/53	Storage	0.1	Acres Feet			D. E. WILSON Dam Tender				Gage Hts. copied J.H. HW				
Max. Peak Int.		C.F.S. from	9:30 P.M. on 12/1/52						F. E. STUNDEN Hydrographer				Storage applied J.H. HW				
Max. Peak Outf.	31	C.F.S. from	9:45 A.M. on 1/7/53										Inf. & Outf. comp. J.H. HW				
REMARKS	() INDICATES EVAPORATION LOSSES. C INDICATES AVERAGE FOR PERIOD.																

F. O. Dist. Form 88B Revised 8/8 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>BIG DALTON</u> Dam														Continuous Water Stage Recorder <u>AU</u>			
In <u>Big Dalton Canyon</u> for the Year Ending September 30, 19 <u>53</u>														Gage Heights <u>Read daily</u>			
Drainage Area <u>4.49</u> Square Miles. Capacity of Reservoir <u>951.8</u> Ac. Ft. at Spillway Elev. <u>1706.0</u> Ft. as of <u>September</u> 19 <u>44</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1638.6	63.7	0.2	0	1640.0	69.9	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	1
2	1638.7	64.1	0.2	0	1640.0	69.9	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	2
3	1638.8	64.5	0.2	0	1640.0	69.9	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	3
4	1638.8	64.5	0.2	0	1640.1	70.4	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	4
5	1638.9	65.0	0.2	0	1640.1	70.4	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	5
6	1638.9	65.0	0.2	0	1640.1	70.4	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	6
7	1639.0	65.4	0.2	0	1640.1	70.4	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	7
8	1639.1	65.8	0.2	0	1640.2	70.8	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	8
9	1639.1	65.8	0.2	0	1640.2	70.8	0.1	0	1640.3	71.3	0.04	0	1640.1	70.4	0.02	0	9
10	1639.2	66.3	0.2	0	1640.2	70.8	0.1	0	1640.3	71.3	0.03	0	1640.1	70.4	0.02	0	10
11	1639.2	66.3	0.1	0	1640.2	70.8	0.1	0	1640.3	71.3	0.03	0	1640.1	70.4	0.02	0	11
12	1639.3	66.8	0.1	0	1640.2	70.8	0.1	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	12
13	1639.3	66.8	0.1	0	1640.2	70.8	0.1	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	13
14	1639.4	67.2	0.1	0	1640.2	70.8	0.05	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	14
15	1639.4	67.2	0.1	0	1640.3	71.3	0.05	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	15
16	1639.5	67.6	0.1	0	1640.3	71.3	0.05	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	16
17	1639.5	67.6	0.1	0	1640.3	71.3	0.05	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	17
18	1639.5	67.6	0.1	0	1640.3	71.3	0.05	0	1640.3	71.3	0.03	0	1640.0	69.9	0.02	0	18
19	1639.6	68.1	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1640.0	69.9	0.02	0	19
20	1639.6	68.1	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1640.0	69.9	0.02	0	20
21	1639.7	68.6	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1640.0	69.9	0.02	0	21
22	1639.8	69.0	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1640.0	69.9	0.02	0	22
23	1639.8	69.0	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1639.9	69.4	0.02	0	23
24	1639.8	69.0	0.1	0	1640.3	71.3	0.05	0	1640.2	70.8	0.02	0	1639.9	69.4	0.02	0	24
25	1639.9	69.4	0.1	0	1640.3	7											

P. O. D.M. Form 88A Revised 8/6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam
 In San Dimas Canyon for the Year Ending September 30, 1952
 Continuous Water Stage Recorder Au
 Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November 1944 Survey
 Gage Heights Read daily

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1406.3	53.1	0.1	0	1408.0	63.0	0.1	0	1409.6	71.0	0.2	0	1429.0	232.1	8.3	12.5
2	1406.4	55.5	0.1	0	1408.1	63.5	0.1	0	1409.6	71.0	0.2	0	1429.2	234.5	5.2	4.0
3	1406.5	56.0	0.1	0	1408.1	63.5	0.1	0	1409.7	71.5	0.2	0	1429.8	241.7	3.6	0
4	1406.5	56.0	0.1	0	1408.2	64.0	0.1	0	1409.8	72.0	0.2	0	1430.3	247.9	3.1	0
5	1406.6	56.5	0.1	0	1408.2	64.0	0.1	0	1411.4	80.5	4.2	0	1430.8	254.2	3.2	0
6	1406.7	56.9	0.1	0	1408.3	64.5	0.1	0	1411.9	83.3	1.5	0	1431.2	259.2	2.5	0
7	1406.7	56.9	0.1	0	1408.3	64.5	0.1	0	1412.0	83.8	0.3	0	1431.7	265.7	3.3	0
8	1406.7	56.9	0.1	0	1408.3	64.5	0.1	0	1412.1	84.4	0.2	0	1432.1	271.0	2.7	0
9	1406.8	57.4	0.1	0	1408.4	65.0	0.1	0	1412.2	85.0	0.2	0	1432.4	275.0	2.0	0
10	1406.8	57.4	0.1	0	1408.4	65.0	0.1	0	1412.2	85.0	0.1	0	1432.7	279.1	2.1	0
11	1406.9	57.8	0.1	0	1408.5	65.5	0.1	0	1412.4	86.1	0.6	0	1432.9	281.8	1.3	0
12	1406.9	57.8	0.1	0	1408.5	65.5	0.1	0	1413.9	95.0	4.5	0	1434.1	298.7	8.5	0
13	1407.0	58.3	0.1	0	1408.6	65.9	0.1	0	1414.8	99.4	2.2	0	1434.6	291.6	4.5	4.9
14	1407.0	58.3	0.1	0	1408.6	65.9	0.1	0	1414.9	101.3	1.0	0	1432.0	269.6	1.5	2.7
15	1407.1	58.8	0.1	0	1408.7	66.4	0.1	0	1415.2	103.2	0.9	0	1432.2	272.3	1.7	1.4
16	1407.1	58.8	0.1	0	1408.7	66.4	0.1	0	1415.5	105.2	0.7	0	1442.1	443.5	207.9	121.6
17	1407.2	59.2	0.1	0	1408.7	66.4	0.1	0	1415.7	106.5	0.7	0	1432.5	276.4	6.9	15.4
18	1407.3	59.7	0.1	0	1408.7	66.4	0.1	0	1415.8	107.2	0.6	0	1432.3	273.7	1.3	6.8
19	1407.3	59.7	0.2	0	1408.9	67.4	0.1	0	1416.2	109.9	1.4	0	1429.8	241.7	5.2	6.9
20	1407.4	60.2	0.2	0	1409.0	67.9	0.2	0	1416.5	112.0	1.0	0	1430.9	255.4	3.9	2.7
21	1407.4	60.2	0.2	0	1409.1	68.4	0.2	0	1416.7	113.4	0.6	0	1431.3	260.5	2.4	2.2
22	1407.5	60.7	0.2	0	1409.1	68.4	0.2	0	1416.8	114.1	0.6	0	1431.2	259.2	1.8	1.7
23	1407.5	60.7	0.2	0	1409.2	68.9	0.2	0	1417.0	115.5	0.6	0	1431.3	260.5	1.3	1.2
24	1407.6	61.1	0.2	0	1409.2	68.9	0.2	0	1417.2	117.0	0.6	0	1431.7	265.7	1.2	1.0
25	1407.7	61.6	0.3	0	1409.3	69.4	0.2	0	1417.3	117.7	0.5	0	1431.8	276.4	1.6	1.0
26	1407.8	62.1	0.2	0	1409.3	69.4	0.2	0	1417.5	119.2	0.5	0	1432.7	279.1	1.0	1.6
27	1407.8	62.1	0.1	0	1409.4	69.9	0.2	0	1417.6	119.9	0.6	0	1432.7	279.1	1.0	1.6
28	1407.9	62.5	0.1	0	1409.4	69.9	0.1	0	1417.8	121.4	0.8	0	1432.5	276.4	8.6	10.0
29	1407.9	62.5	0.1	0	1409.4	69.9	0.1	0	1423.1	168.0	23.5	0	1432.4	275.0	8.9	9.6
30	1407.9	62.5	0.1	0	1409.5	70.5	0.1	0	1430.3	246.6	48.2	8.6	1432.3	273.7	8.3	9.0
31	1408.0	63.0	0.1	0					1429.7	240.5	17.8	20.8	1432.1	271.0	7.7	9.0
TOTAL			4.0	0			3.8	0			115.2	29.4			766.6	751.2
Inf. Ac. Ft.			7.9				7.5				228.5				1520.5	1764.4
Outf. Ac. Ft.			0				0				58.3				1490.0	1548.3
Mean Daily Inflow			0.3				0.2				48.2				207.9	207.9
Mean Daily Outflow			0.1				0.1				0.1				1.3	0.1
Storage Change		+7.9				+7.5				+170.0				+30.5		+215.9

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1461.7	feet	on	5/16/52	Storage	1032	Acres Feet											
Min. W. S. Elev.	1406.3	feet	on	10/1/51	Storage	55.0	Acres Feet											
Max. Peak Inf.	483	C. F. S. from	6:00 A.M.	on	1/16/52	to	7:00 A.M.	on	1/16/52									
Max. Peak Outf.	252	C. F. S. from	12:30 P.M.	on	3/16/52	to	1:00 P.M.	on	3/16/52									

REMARKS: INDICATES AVERAGE FOR PERIOD

P. O. D.M. Form 88B Revised 8/6 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam
 In San Dimas Canyon for the Year Ending September 30, 1952
 Continuous Water Stage Recorder Au
 Drainage Area 16.2 Square Miles. Capacity of Reservoir 1042.5 Ac. Ft. at Spillway Elev. 1462.0 Ft. as of November 1944 Survey
 Gage Heights Read daily

Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1432.1	271.0	6.7	5.7	1433.6	291.6	6.8	1.9	1442.5	452.7	12.5	1.1	1459.5	953.6	6.0	1.1
2	1432.2	272.3	6.7	6.0	1433.9	295.8	4.2	2.0	1443.6	478.4	12.5	1.1	1459.9	967.5	6.0	1.0
3	1432.3	273.7	6.7	6.0	1434.2	300.2	4.1	1.9	1444.5	500.5	12.5	1.0	1460.1	974.6	6.0	1.0
4	1432.3	273.7	6.0	6.0	1434.5	304.7	4.0	1.8	1445.3	520.6	12.4	1.0	1460.4	985.2	6.0	1.0
5	1432.2	272.3	5.3	6.0	1434.7	307.6	3.3	2.0	1446.1	541.3	12.4	1.0	1460.6	992.3	5.9	1.0
6	1432.1	269.6	5.3	6.0	1434.8	309.1	2.8	2.0	1446.8	559.9	12.2	1.0	1460.9	1003.0	5.4	1.1
7	1432.0	267.0	5.3	6.0	1434.8	309.1	5.6	3.2	1447.7	584.3	12.2	1.0	1461.2	1013.7	5.4	1.1
8	1431.9	268.3	5.3	6.0	1433.8	294.4	2.7	1.9	1448.7	612.2	12.2	1.0	1461.4	1020.9	5.4	1.1
9	1431.8	267.0	5.0	6.0	1433.0	283.1	1.6	2.2	1449.4	632.1	12.2	1.0	1461.5	1024.5	5.4	2.1
10	1431.7	265.7	5.0	6.4	1433.5	319.9	2.3	5.2	1450.1	652.4	12.2	1.0	1461.5	1024.5	5.3	5.3
11	1431.6	264.4	5.0	6.4	1437.8	357.8	24.3	5.2	1450.8	673.0	9.5	1.0	1461.6	1028.1	5.0	4.2
12	1431.4	261.8	5.0	6.4	1439.4	387.3	20.1	5.2	1451.4	690.9	9.5	1.0	1461.6	1028.1	4.9	4.2
13	1431.2	259.2	5.0	6.4	1440.9	417.4	20.4	5.2	1451.4	706.0	9.5	1.0	1461.6	1028.1	4.9	4.2
14	1431.1	257.9	5.0	5.0	1442.0	441.2	17.2	5.2	1452.4	721.3	9.5	1.0	1461.6	1028.1	4.9	4.2
15	1431.1	257.9	4.9	4.2	1445.1	515.5	79.9	4.8	1452.9	736.6	9.4	1.0	1461.7	1031.7	4.9	4.2
16	1431.1	257.9	4.9	4.2	1442.0	441.2	130.6	168.0	1453.4	752.2	8.4	1.0	1461.7	1031.7	4.9	4.2
17	1431.1	257.9	4.0	4.2	1433.5	290.2	74.8	151.0	1453.7	761.5	8.4	1.0	1461.7	1031.7	4.9	4.6
18	1431.1	257.9	4.0	4.1	1430.9	255.4	47.5	65.0	1454.2	777.3	8.4	1.1	1461.6	1028.1	4.1	4.9
19	1431.1	257.9	4.0	3.8	1431.2	259.2	39.9	38.0	1454.8	796.4	8.4	1.1	1461.6	1028.1	4.1	5.3
20	1431.1	257.9	3.9	3.6	1432.8	280.4	35.7	25.0	1455.2	809.3	8.4	1.1	1461.5	1024.5	4.1	5.3
21	1431.2	259.2	3.9	3.1	1433.6	291.6	30.6	25.0	1455.6	822.3	7.9	1.1	1461.4	1020.9	3.3	5.6
22	1431.5	263.1	3.9	2.3	1433.9	295.8	27.2	25.0	1456.0	835.3	7.9	1.1	1461.2	1013.7	3.2	5.6
23	1431.7	265.7	3.6	2.3	1433.8	294.4	24.3	25.0	1456.3	845.2	7.8	1.0	1461.0	1006.0	3.2	5.6
24	1431.9	268.3	3.4	2.1	1434.4	303.2	22.4	18.0	1456.7	858.4	7.8	1.0	1460.9	1003.0	3.2	5.6
25	1432.1	271.0	3.3	1.9	1435.8	324.5	20.2	9.8	1457.1	871.7	7.8	1.0	1460.8	992.3	3.2	5.6
26	1432.3	273.7	3.0	1.9	1437.0	344.0	20.0	9.5	1457.6	888.5	7.8	1.1	1460.7	995.9	3.2	5.6
27	1432.4	275.0	3.0	1.8	1438.2	364.9	19.4	9.5	1457.9	898.6	7.8	1.1	1460.6	992.3	3.2	4.5
28	1432.5	277.7	2.9	1.8	1439.1	381.4	17.8	9.5	1458.3	912.3	7.8	1.1	1460.5	992.3	3.2	3.4
29	1432.9	281.8	3.9	1.9	1439.8	395.0	16.9	10.0	1458.8	929.4	7.8	1.1	1460.6	992.3	3.2	3.4
30					1440.3	405.1	16.0	10.0	1459.2	943.2	7.8	1.1	1460.6	992.3	3.2	3.4
31					1441.4	428.1	15.1	4.4					1460.6	992.3	3.2	3.2
TOTAL			133.9	128.5			869.4	1795.3			290.9	31.2			137.4	1126.3
Inf. Ac. Ft.			265.6				1723.8				577.0				272.5	4663.3
Outf. Ac. Ft.				254.9				1577.5								

F. C. Dist. Form 880 Revised 8/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																
In <u>San Dimas Canyon</u> for the Year Ending <u>September 30, 1952</u>																
On <u>San Dimas Canyon</u> for the Year Ending <u>September 30, 1952</u>																
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1042.5</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>November</u> 19 <u>44</u> Survey																
Gage Heights <u>Read daily</u> Continuous Water Stage Recorder <u>AU</u>																
Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1460.6	992.3	3.2	3.1	1456.8	861.7	1.5	3.8	1451.5	694.0	0.7	3.6	1444.7	505.4	0.2	3.1
2	1460.6	992.3	3.2	3.8	1456.7	858.4	1.5	3.8	1451.3	687.9	0.6	3.6	1444.5	500.5	0.2	3.1
3	1460.5	988.8	3.2	4.6	1456.5	848.5	1.5	3.8	1451.1	681.9	0.6	3.6	1444.2	495.5	0.2	3.1
4	1460.4	985.7	3.1	4.6	1456.4	848.5	1.5	3.8	1450.9	676.0	0.6	3.6	1444.0	488.0	0.2	3.1
5	1460.3	981.7	3.1	4.9	1456.2	841.9	1.4	3.8	1450.7	670.1	0.6	3.8	1443.8	483.2	0.2	3.1
6	1460.2	978.1	3.1	4.9	1456.1	838.6	1.0	3.6	1450.5	664.2	0.6	3.8	1443.6	478.4	0.2	3.1
7	1460.1	974.6	3.1	4.9	1455.9	832.1	1.0	3.6	1450.3	658.3	0.6	3.8	1443.3	471.3	0.2	3.1
8	1460.0	971.0	3.1	4.9	1455.8	828.8	1.0	3.6	1450.0	649.4	0.6	3.8	1443.0	464.1	0.2	3.1
9	1459.9	967.5	3.1	5.3	1455.6	822.3	1.0	3.5	1449.8	643.6	0.6	3.8	1442.8	459.5	0.2	3.1
10	1459.8	964.0	3.1	5.3	1455.4	815.8	1.0	3.5	1449.6	637.9	0.6	3.6	1442.6	454.9	0.2	3.1
11	1459.6	957.1	3.1	5.3	1455.2	809.3	0.9	3.5	1449.4	632.1	0.6	3.6	1442.3	448.1	0.2	3.1
12	1459.5	953.6	3.1	5.3	1455.1	806.1	0.9	3.5	1449.2	626.4	0.6	3.6	1442.1	443.0	0.2	3.1
13	1459.4	950.1	3.1	5.3	1454.9	799.6	0.9	3.5	1449.0	620.6	0.6	3.6	1441.8	437.5	0.2	3.1
14	1459.2	943.2	3.1	5.6	1454.7	793.2	0.9	3.6	1448.8	615.0	0.6	3.5	1441.4	428.1	0.1	3.1
15	1459.1	939.7	3.1	5.6	1454.6	790.0	0.9	3.8	1448.6	609.4	0.6	3.5	1441.1	421.6	0.1	3.1
16	1458.9	932.8	2.5	5.3	1454.4	783.7	0.9	3.9	1448.4	603.7	0.4	3.4	1440.8	415.3	0.1	3.1
17	1458.8	929.4	2.5	5.3	1454.3	780.5	0.9	3.9	1448.2	598.1	0.3	3.4	1440.5	409.2	0.1	3.1
18	1458.6	922.5	2.5	5.3	1454.1	774.1	0.9	3.9	1447.9	592.8	0.3	3.4	1440.2	403.0	0.1	3.1
19	1458.4	915.7	2.5	5.3	1453.9	767.8	0.9	3.9	1447.7	587.3	0.3	3.4	1439.9	397.0	0.1	3.1
20	1458.2	908.8	2.5	5.3	1453.7	761.5	0.8	3.8	1447.5	581.9	0.3	3.4	1439.6	391.1	0.1	3.1
21	1458.1	905.4	2.5	5.3	1453.5	755.3	0.8	3.6	1447.2	576.7	0.3	3.4	1439.3	385.3	0.1	3.1
22	1457.9	898.6	2.5	5.3	1453.3	749.1	0.8	3.5	1447.0	571.2	0.3	3.4	1439.0	379.5	0.1	3.1
23	1457.8	895.3	2.4	5.3	1453.1	742.8	0.8	3.5	1446.8	565.9	0.3	3.4	1438.6	373.2	0.1	3.1
24	1457.6	888.5	2.4	4.9	1452.9	736.6	0.8	3.5	1446.6	560.6	0.3	3.4	1438.3	366.8	0.1	3.1
25	1457.5	885.2	2.4	4.9	1452.8	733.6	0.8	3.5	1446.3	554.6	0.3	3.4	1437.9	359.6	0.1	3.1
26	1457.4	881.8	2.4	4.9	1452.6	727.4	0.8	3.6	1446.1	548.3	0.3	3.2	1437.5	352.7	0.1	3.1
27	1457.3	878.4	2.4	4.6	1452.4	721.3	0.8	3.6	1445.9	542.0	0.2	3.2	1437.1	345.7	0.1	3.1
28	1457.2	875.0	2.4	4.6	1452.2	715.1	0.8	3.6	1445.6	535.8	0.2	3.2	1436.7	339.1	0.1	3.1
29	1457.0	868.3	2.4	4.2	1452.0	709.0	0.8	3.6	1445.4	529.3	0.2	3.2	1436.3	332.5	0.1	3.1
30	1456.9	865.0	2.4	3.9	1451.8	703.0	0.8	3.6	1445.2	518.0	0.2	3.1	1435.9	326.1	0.1	3.1
31					1451.7	700.0	0.8	3.6	1445.0	512.9	0.2	3.1				
TOTAL			83.6	147.8			30.3	113.3			32.5	107.8			4.3	98.5
Inf. Ac. Ft.			165.8				59.7				26.8				4864.1	
Outf. Ac. Ft.				293.2				224.7				213.8			4593.0	
Minimum			3.2				1.5				0.7				207.9	
Mean Daily Inflow							0.8				0.2				0.1	
Mean Daily Outflow																
Storage Change			-127.3				-165.0				-187.1				-186.8	
																+271.0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev. 1461.7 feet on 5/6/42 Storage 1032 Acro Feet	RECORDS COLLECTED BY	COMPUTATIONS	chkd.	Date
Min. W. S. Elev. 1406.3 feet on 10/1/51 Storage 55.0 Acro Feet	A. L. BLEMERS Dam Tender	Gage Hts. copied	JL	1/19/53
Max. Peak Inf. 463 C.F.S. from 6:00 A.M. on 1/16/52 to 7:00 A.M. on 1/16/52	F. E. STUNDEN Hydrographer	Storage applied	JL	1/19/53
Max. Peak Outf. 252 C.F.S. from 12:30 P.M. on 3/16/52 to 1:00 P.M. on 3/16/52	Hydrographer	Inf. & Outf. comp.	JL	1/20/53

REMARKS: C INDICATES AVERAGE FOR PERIOD

F. C. Dist. Form 880 Revised 8/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY																
FLOOD CONTROL DISTRICT																
HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>SAN DIMAS</u> Dam																
In <u>San Dimas Canyon</u> for the Year Ending <u>September 30, 1953</u>																
On <u>San Dimas Canyon</u> for the Year Ending <u>September 30, 1953</u>																
Drainage Area <u>16.2</u> Square Miles. Capacity of Reservoir <u>1042.5</u> Ac. Ft. at Spillway Elev. <u>1462.0</u> Ft. as of <u>November</u> 19 <u>44</u> Survey																
Gage Heights <u>Read daily</u> Continuous Water Stage Recorder <u>AU</u>																
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acro Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1435.4	318.3	0.1	3.6	1411.1	78.9	0.4	1.8	1419.2	132.6	4.2	0.1	1433.0	283.1	2.7	0.1
2	1434.9	310.6	0.1	4.1	1410.7	76.7	0.4	1.8	1419.4	151.8	9.8	0.1	1433.4	288.7	2.7	0.1
3	1434.3	301.7	0.1	4.1	1410.2	74.1	0.5	1.6	1422.1	158.4	3.4	0.1	1433.8	294.4	2.7	0.1
4	1433.7	293.0	0.1	4.1	1409.9	72.5	0.5	1.5	1422.7	164.1	3.0	0.1	1434.1	298.7	2.7	0.1
5	1433.1	284.5	0.1	4.1	1409.4	69.9	0.5	1.5	1423.1	168.0	2.0	0.1	1434.4	303.2	2.6	0.1
6	1432.5	276.4	0.1	4.2	1409.0	67.9	0.5	1.4	1423.5	172.1	2.2	0.1	1434.8	309.1	3.0	0.1
7	1431.9	268.3	0.1	4.2	1408.6	65.9	0.5	1.4	1423.9	176.1	2.1	0.1	1435.6	321.4	6.3	0.1
8	1431.2	259.2	0.1	4.2	1408.6	65.9	1.4	1.4	1424.2	179.2	1.6	0.1	1436.1	329.2	4.1	0.1
9	1430.5	250.4	0.1	4.2	1408.4	65.0	1.0	1.4	1424.6	183.3	1.6	0.1	1436.5	335.8	3.4	0.1
10	1429.8	241.7	0.1	4.2	1408.2	64.0	0.9	1.4	1424.9	186.5	1.6	0.1	1436.8	340.7	2.6	0.1
11	1429.1	233.3	0.1	4.2	1407.9	62.8	0.7	1.4	1425.2	189.6	1.6	0.1	1437.1	345.7	2.6	0.1
12	1428.4	225.1	0.1	4.1	1407.6	61.1	0.7	1.4	1425.4	191.8	1.6	0.1	1437.4	350.9	2.7	0.1
13	1427.7	217.0	0.1	4.6	1407.3	59.7	0.6	1.4	1425.7	195.0	1.6	0.1	1437.7	356.1	2.7	0.1
14	1426.9	208.0	0.1	4.6	1408.0	63.0	2.6	0.9	1425.9	197.1	1.6	0.1	1438.0	361.3	2.7	0.1
15	1426.1	199.3	0.1	4.6	1410.6	76.2	6.7	0.1	1426.2	200.4	1.6	0.1	1438.3	366.8	2.9	0.1
16	1425.3	190.7	0.1	4.6	1412.0	83.8	4.0	0.1	1426.4	202.6	1.5	0.1	1438.5	370.4	2.2	0.1
17	1424.4	181.3	0.1	4.6	1412.7	87.9	2.1	0.1	1426.7	205.8	1.6	+	1438.8	375.9	2.2	0.1
18	1423.6	173.1	0.1	4.6	1413.2	90.8	1.6	0.1	1427.0	209.1	1.7	+	1439.0	379.5	2.2	0.1
19	1422.7	164.1	0.1	4.6	1413.6	93.2	1.3	0.1	1427.2	211.4	1.1	+	1439.2	383.4	2.2	0.1
20	1422.0	155.6	0.1	4.6	1414.0	95.6	1.3	0.1	1427.4	213.7	1.3	+	1439.4	387.3	2.2	0.1
21	1421.0	147.2	0.1	4.6	1414.3	97.5	1.1	0.1	1427.6	216.0	1.3	+	1439.6	391.1	1.9	0.1
22	1419.9	138.5	0.1	4.6	1414.8	100.6	1.6	0.1	1427.8	218.9	1.8	+	1439.8	395.0	1.9	0.1
23	1419.0	130.9	0.1	4.6	1415.4	104.5	2.1	0.1	1427.9	221.5	1.8	+	1440.0	398.9	1.9	0.1
24	1418.0	122.9	0.2	4.6	1415.7	106.5	1.3	0.1	1428.5	228.1	1.8	+	1440.2	403.0	1.9	0.1
25	1417.0	115.5	0.2	4.2	1416.1	109.2	1.3	0.1	1428.8	231.7	1.8	+	1440.3	405.1	1.8	0.1
26	1415.8	107.2	0.4	4.2	1416.4	111.3	1.3	0.1	1430.1	245.4	2.0	0.1	1440.5	409.2	1.5	0.1
27	1414.5	98.8	0.4	4.2	1416.8	114.1	1.3	0.1	1430.4	249.1	1.9	0.1	1440.6	411.2	1.5	0.1
28	1413.2	90.8	0.4	4.2	1417.1	116.2	1.2	0.1	1431.0	256.5	3.9	0.1	1440.8	415.3	1.5	0.1
29	1412.3	85.5	0.4	4.3	1417.5	119.2	1.6	0.1	1431.3	260.5	2.3	0.1	1440.9	417.4	1.5	0.1
30	1411.9	83.3	0.4	2.0	1418.2	124.5	2.8	0.1	1431.9	268.3	4.0	0.1	1441.0	419.4	1.5	0.1
31	1411.5	81.1	0.5	1.9												

F. C. Dist. Form 880 Revised 8-66 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam
In San Dimas Canyon for the Year Ending September 30, 1953.
Drainage Area 18.2 Square Miles. Capacity of Reservoir 1,042.5 Ac. Ft. at Spillway Elev. 1,482.0 Ft. as of November 18, 1944 Survey
Continuous Water Stage Recorder, AU
Gage Heights Read daily.

Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow
1	1441.3	425.9	1.5	0.1	1442.2	445.8	2.4	0.1	1441.5	430.3	1.5	3.5	1438.5	370.4	1.3	0.7
2	1441.4	428.1	1.5	0.1	1442.4	450.4	2.4	0.1	1441.3	425.9	1.5	3.5	1438.5	370.4	1.3	0.7
3	1441.6	432.5	1.5	0.1	1442.6	450.9	2.4	0.1	1441.1	421.6	1.4	3.5	1438.6	372.2	1.3	0.7
4	1441.7	434.7	1.5	0.1	1442.7	457.2	1.5	0.1	1440.9	417.4	1.4	3.5	1438.7	374.0	1.3	0.7
5	1441.8	436.8	1.4	0.1	1442.8	459.5	1.5	0.1	1440.7	413.3	1.4	3.5	1438.6	372.2	1.3	1.9
6	1441.9	439.0	1.4	0.1	1442.9	461.8	1.5	0.1	1440.6	411.2	2.7	3.7	1438.4	368.6	0.9	2.7
7	1442.0	441.2	1.4	0.1	1443.0	464.1	1.5	0.1	1440.4	407.4	1.6	3.7	1438.2	364.9	0.9	2.7
8	1442.1	443.5	1.4	0.1	1443.1	466.5	1.5	0.1	1440.2	403.0	1.6	3.7	1438.0	361.3	0.9	2.8
9	1442.2	445.8	1.4	0.1	1443.2	468.9	1.5	0.1	1440.0	398.9	1.3	3.4	1437.8	357.8	0.9	2.8
10	1442.3	448.1	1.4	0.1	1443.3	471.3	1.5	0.1	1439.8	395.1	1.3	2.7	1437.5	352.7	0.9	2.8
11	1442.4	450.4	1.4	0.1	1443.5	476.1	1.5	0.1	1439.7	393.1	1.3	2.7	1437.3	349.2	0.9	2.8
12	1442.5	452.7	1.3	0.1	1443.6	478.4	1.5	0.1	1439.5	389.2	1.3	2.7	1437.1	345.7	0.9	2.7
13	1442.6	454.9	1.3	0.1	1443.7	480.8	1.5	0.1	1439.4	387.3	1.3	2.7	1436.8	340.7	0.9	2.7
14	1442.7	457.2	1.3	0.1	1443.8	483.2	1.4	0.1	1439.3	385.3	1.3	2.7	1436.6	337.4	0.9	2.7
15	1442.8	459.5	1.3	0.1	1443.9	485.6	1.4	0.1	1439.1	381.4	1.3	2.7	1436.4	334.2	0.9	2.7
16	1442.8	459.5	1.3	1.0	1443.8	483.2	1.4	1.7	1439.0	379.5	1.3	2.7	1436.2	330.9	0.9	2.7
17	1442.8	459.5	1.3	1.8	1443.6	478.4	1.4	4.8	1438.8	375.9	1.2	2.7	1436.0	327.6	0.9	2.7
18	1442.6	454.9	1.3	3.2	1443.2	468.9	1.4	6.1	1438.6	372.2	1.2	2.7	1435.8	324.5	0.9	2.7
19	1442.3	448.1	1.3	4.3	1442.9	461.8	1.4	6.1	1438.5	370.4	1.2	2.7	1435.6	321.4	0.8	2.7
20	1442.1	443.5	1.3	4.7	1443.1	466.5	6.3	3.9	1438.2	370.4	2.6	2.6	1435.3	316.8	0.8	2.7
21	1441.8	436.8	1.4	4.7	1443.1	466.5	2.7	2.7	1438.4	368.6	1.7	2.6	1434.9	310.6	0.8	2.7
22	1441.6	432.5	2.5	4.7	1443.1	466.5	2.7	2.7	1438.3	366.8	1.7	2.6	1434.9	310.6	0.8	2.7
23	1441.7	434.7	3.2	2.1	1443.0	464.1	1.6	2.7	1438.2	364.9	1.6	2.6	1434.6	306.1	0.8	2.7
24	1441.9	439.0	2.3	0.1	1442.9	461.8	1.6	2.7	1438.1	363.1	1.4	2.6	1434.4	303.2	0.8	2.7
25	1442.0	441.2	1.6	0.1	1442.8	459.5	1.6	2.7	1438.0	361.3	1.4	2.6	1434.1	298.7	0.8	2.8
26	1442.0	441.2	1.6	0.8	1442.7	457.2	1.6	2.7	1437.8	357.8	1.4	2.6	1433.8	294.4	0.8	2.8
27	1442.0	441.2	1.5	1.8	1442.5	452.7	1.5	4.1	1437.8	357.8	2.6	2.6	1433.6	291.6	1.2	2.9
28	1442.0	441.2	1.5	2.4	1442.3	448.1	1.5	4.2	1438.1	363.1	3.8	1.1	1433.4	288.7	1.2	2.9
29					1442.1	443.5	1.5	3.6	1438.3	366.8	2.4	0.5	1433.1	284.5	1.1	2.9
30					1441.9	439.0	1.4	3.6	1438.4	368.6	1.6	0.7	1432.9	281.2	1.0	2.9
31					1441.7	434.7	1.4	3.6					1432.6	277.7	1.0	2.6
TOTAL		43.1	33.2			56.1	59.4			49.3	82.6				30.1	75.9
Inf. Ac. Ft.		85.5				111.3				97.8					59.7	75.9
Outf. Ac. Ft.			65.9				117.8				163.8				150.5	80.2
Maximum			3.2			6.3				3.8					1.3	9.8
Mean Daily Inflow			1.3			1.4				1.2					0.8	0.1
Mean Daily Outflow						1.5										
Storage Change		+19.5				-6.1				-66.1					-20.9	+48.4

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1443.9	feet	on	3/16/53	Storage	486	Acres Feet									
Min. W. S. Elev.	1405.6	feet	on	7/15/53	Storage	52	Acres Feet									
Max. Peak Inf.	25	C.F.R. from	12:00 MIDNITE	on	12/1/52	to	2:00 A.M.	on	12/2/52							
Max. Peak Outf.	6.1	C.F.R. from	12:00 NOON	on	3/17/53	to	8:00 A.M.	on	3/20/53							

REMARKS: () INDICATES AVERAGE FOR PERIOD.
O RIFERS FROM STATION 5303+8 MINOR OLD WATER TUNNEL.

F. C. Dist. Form 880 Revised 8-66 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of SAN DIMAS Dam
In San Dimas Canyon for the Year Ending September 30, 1953.
Drainage Area 18.2 Square Miles. Capacity of Reservoir 1,042.5 Ac. Ft. at Spillway Elev. 1,482.0 Ft. as of November 18, 1944 Survey
Continuous Water Stage Recorder, AU
Gage Heights Read daily.

Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow	Gage Height	Acres Ft. Storage	C.F.R. Inflow	C.F.R. Outflow
1	1432.4	275.0	0.8	2.5	1412.9	130.1	0.4	4.1	1406.2	34.5	0.2	0.1	1405.3	55.1	0.1	0.1
2	1432.1	271.0	0.8	2.5	1417.9	122.2	0.3	4.0	1405.2	34.5	0.2	0.1	1405.4	55.5	0.1	0.1
3	1431.8	267.0	0.8	2.5	1416.9	114.8	0.3	4.0	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
4	1431.5	263.1	0.8	2.5	1415.9	107.8	0.3	3.9	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
5	1431.2	259.2	0.8	2.5	1414.9	101.3	0.3	3.9	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
6	1431.0	255.3	0.8	2.5	1413.8	94.4	0.3	3.8	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
7	1430.7	252.9	0.8	2.5	1412.7	87.9	0.3	3.8	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
8	1430.4	249.1	0.8	2.5	1411.5	81.1	0.3	3.7	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
9	1430.1	245.4	0.8	2.5	1410.3	74.6	0.3	3.7	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
10	1429.8	241.8	0.8	2.5	1409.2	67.4	0.3	3.6	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
11	1429.5	238.1	0.8	2.5	1407.6	61.1	0.3	3.5	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
12	1429.1	233.3	0.8	2.5	1406.2	54.8	0.2	3.5	1405.3	35.1	0.2	0.1	1405.4	55.5	0.1	0.1
13	1428.8	229.8	0.8	2.5	1405.6	52.0	0.2	1.7	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
14	1428.4	225.1	0.8	2.5	1405.6	52.0	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
15	1428.0	220.4	0.8	2.5	1405.7	52.4	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
16	1427.4	215.9	0.8	2.5	1405.7	52.4	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
17	1427.3	215.5	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
18	1426.9	209.0	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
19	1426.6	204.7	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
20	1426.2	198.8	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
21	1425.8	192.8	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
22	1425.3	189.9	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
23	1425.3	190.7	0.8	2.5	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
24	1424.7	184.4	0.4	3.8	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
25	1423.9	176.1	0.4	4.2	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
26	1423.1	168.0	0.4	4.2	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
27	1422.3	160.3	0.4	4.2	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
28	1421.5	152.8	0.4	4.2	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
29	1420.8	144.5	0.4	4.2	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
30	1419.8	137.5	0.4	4.1	1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
31					1405.8	52.8	0.2	0.1	1405.4	35.5	0.2	0.1	1405.4	55.5	0.1	0.1
TOTAL		17.9		88.5		7.4	49.2			3.3	3.1			3.0	3.0	
Inf. Ac. Ft.		34.5				14.7				6.5						

F. C. Dist. Form 808 Revised 10/11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE DIVERSION</u> Dam													Continuous Water Stage Recorder <u>AV</u>				
In <u>San Dimas Wash</u> for the Year Ending September 30, 19 <u>52</u>													Gage Heights <u>Read at various times</u>				
Drainage Area <u>2.6</u> Square Miles. Capacity of Reservoir <u>118.6</u> Ac. Ft. at Spillway Elev. <u>1152.5</u> Ft. as of <u>October</u> 19 <u>51</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1434.5	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	1434.5	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3	1134.4	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
4	1134.4	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	1134.4	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
6	1134.3	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
7	1134.3	0.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	1134.2	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
9	1134.1	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
10	1134.0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
11	1133.9	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	1133.6	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
13	1133.4	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
14	1133.2	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
TOTAL			0	0			0	0			0	0			0	0	Yearly Totals
Inf. Ac. Ft.																	5356.4
Outf. Ac. Ft.																	2913.2 + (456.3)
Mean Daily Inflow																	157.5
Mean Daily Outflow																	0
Storage Change	-1.1				0												0

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Max. W. S. Elev.	1146.6	feet	on	1/16/52	Storage	61.3	Acres Feet	RECORDS COLLECTED BY	H. R. WHISLER	Dam Tender	COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	DRY	feet	on	PART OF YEAR	Storage	0	Acres Feet	F. E. STUNDEN	Hydrographer	Storage applied	ckd.		
Max. Peak Inf.	201	C.F.S. from	7:00 A.M.	on	1/16/52	to	8:00 A.M.	on	1/16/52	Hydrographer	Storage applied		
Max. Peak Outf.	208	C.F.S. from	4:00 P.M.	on	3/16/52	to	5:00 P.M.	on	3/16/52	Hydrographer	Inf. & Outf. comp.	J.L. FRW	

REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES

F. C. Dist. Form 808 Revised 10/11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE DIVERSION</u> Dam													Continuous Water Stage Recorder <u>AU</u>				
In <u>San Dimas Wash</u> for the Year Ending September 30, 19 <u>53</u>													Gage Heights <u>Read at Various Times</u>				
Drainage Area <u>2.6</u> Square Miles. Capacity of Reservoir <u>118.6</u> Ac. Ft. at Spillway Elev. <u>1152.5</u> Ft. as of <u>Jan. Feb. 1952</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL																	Yearly Totals
Inf. Ac. Ft.																	
Outf. Ac. Ft.																	
Mean Daily Inflow																	
Mean Daily Outflow																	
Storage Change																	

NOTE: Gage Heights and Storages as of Midnight on Day Shown

Reservoir dry during entire season.

Max. W. S. Elev.	feet	on	Storage	Acres Feet	RECORDS COLLECTED BY	Dam Tender	COMPUTATIONS	ckd.	Date
Min. W. S. Elev.	feet	on	Storage	Acres Feet	H. R. WHISLER	Hydrographer	Gage Hts. copied		
Max. Peak Inf.	C.F.S. from	on	to	on	F. E. STUNDEN	Hydrographer	Storage applied		
Max. Peak Outf.	C.F.S. from	on	to	on		Hydrographer	Inf. & Outf. comp.		

REMARKS

F. G. Dist. Form 82A Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1952

Continuous Water Stage Recorder AU

Drainage Area 32.2 Square Miles. Capacity of Reservoir 1,790.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941

Gage Heights Read daily

Table with columns for months (OCTOBER, NOVEMBER, DECEMBER, JANUARY) and rows for Gage Height, Acre Ft. Storage, C.F.S. Inflow, and C.F.S. Outflow. Includes summary rows for totals and storage changes.

NOTE: Gage Heights and Storage as of Midnight on Day Shown
RECORDS COLLECTED BY: F. A. POLLARD, F. E. STUNDEN
COMPUTATIONS: Gage Hts. copied GPR APK, Storage applied GFB APK, Inf. & Outf. comp. GFB APK 6/2/52

F. G. Dist. Form 82B Revised 500 11/44

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

In Puddingstone Creek for the Year Ending September 30, 1952

Continuous Water Stage Recorder AU

Drainage Area 32.2 Square Miles. Capacity of Reservoir 1,790.0 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941

Gage Heights Read daily

Table with columns for months (FEBRUARY, MARCH, APRIL, MAY) and rows for Gage Height, Acre Ft. Storage, C.F.S. Inflow, and C.F.S. Outflow. Includes summary rows for totals and storage changes.

NOTE: Gage Heights and Storage as of Midnight on Day Shown
RECORDS COLLECTED BY: F. A. POLLARD, F. E. STUNDEN
COMPUTATIONS: Gage Hts. copied JH HW, Storage applied JH HW, Inf. & Outf. comp. JH HW

F. O. Dist. Form 942 Revised 5/68 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE</u> Dam												Continuous Water Stage Recorder <u>AM</u>					
In <u>Puddingstone Creek</u> for the Year Ending September 30, 1952												Gage Heights <u>Read daily</u>					
Drainage Area <u>32.2</u> Square Miles. Capacity of Reservoir <u>1,7190.0</u> Ac. Ft. at Spillway Elev. <u>970.0</u> Ft. as of <u>January</u> 19 <u>41</u>												Gage Heights <u>Read daily</u>					
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	930.70	4546.8	0	5.2	928.15	4087.4	0	6.2	924.80	3536.4	0	7.0	921.05	2994.2	0	7.0	
2	930.65	4537.5	0	5.0	928.10	4078.6	0	6.2	924.70	3521.2	0	6.7	920.95	2980.6	0	7.0	
3	930.55	4519.0	0	5.7	928.00	4061.4	0	6.2	924.60	3505.9	0	6.4	920.85	2967.3	0	7.0	
4	930.50	4499.7	0	5.7	927.90	4044.1	0	6.2	924.50	3490.6	0	6.4	920.70	2954.5	0	7.0	
5	930.40	4481.1	0	6.7	927.80	4027.0	0	5.8	924.40	3475.3	0	5.4	920.55	2942.5	0	7.0	
6	930.30	4472.5	0	7.1	927.75	4018.5	0	4.6	924.35	3467.6	0	5.4	920.45	2934.2	0	7.3	
7	930.25	4463.2	0	6.0	927.65	4001.5	0	5.4	924.25	3452.4	0	6.4	920.30	2894.3	0	8.0	
8	930.15	4444.6	0	6.0	927.55	3984.4	0	7.0	924.10	3429.5	0	8.0	920.15	2874.4	0	8.0	
9	930.05	4426.0	0	6.4	927.45	3967.4	0	8.1	924.05	3406.9	0	8.5	920.05	2861.1	0	8.0	
10	930.00	4416.7	0	7.9	927.35	3950.4	0	9.4	923.95	3392.1	0	8.5	919.90	2841.7	0	8.0	
11	929.90	4398.7	0	7.9	927.20	3924.9	0	9.0	923.70	3370.0	0	8.5	919.75	2822.4	0	8.0	
12	929.80	4380.6	0	6.5	927.05	3899.3	0	9.4	923.55	3347.9	0	8.5	919.60	2803.1	0	8.0	
13	929.70	4362.6	0	4.5	926.95	3882.5	0	9.4	923.45	3333.2	0	8.5	919.50	2790.3	0	8.0	
14	929.65	4343.5	0	3.9	926.80	3857.8	0	9.4	923.30	3311.0	0	8.5	919.35	2771.9	0	8.7	
15	929.55	4325.5	0	6.0	926.70	3841.3	0	9.4	923.15	3288.9	0	8.5	919.20	2751.8	0	8.5	
16	929.45	4317.5	0	7.9	926.60	3824.8	0	8.4	923.05	3274.2	0	8.5	919.05	2732.5	0	7.6	
17	929.35	4299.4	0	7.9	926.50	3808.3	0	5.2	922.90	3252.6	0	8.1	918.90	2713.7	0	7.6	
18	929.25	4281.4	0	5.0	926.40	3791.8	0	5.9	922.80	3238.4	0	6.7	918.80	2701.2	0	7.6	
19	929.20	4272.4	0	3.4	926.25	3767.0	0	7.9	922.70	3224.1	0	6.7	918.65	2682.6	0	7.6	
20	929.10	4254.3	0	5.2	926.15	3750.5	0	7.9	922.55	3202.8	0	6.7	918.55	2670.2	0	7.6	
21	929.05	4245.3	0	6.2	926.05	3734.0	0	6.9	922.45	3188.6	0	6.7	918.40	2651.5	0	7.6	
22	928.95	4227.6	0	6.2	925.95	3717.8	0	6.9	922.35	3174.4	0	6.9	918.30	2639.1	0	6.7	
23	928.85	4210.1	0	6.2	925.85	3701.9	0	6.7	922.20	3153.0	0	8.5	918.20	2626.7	0	6.0	
24	928.75	4192.5	0	6.2	925.70	3678.2	0	7.9	922.05	3131.7	0	8.5	918.05	2608.0	0	6.0	
25	928.70	4183.7	0	6.2	925.60	3662.3	0	8.9	921.90	3110.9	0	8.5	917.90	2589.8	0	7.0	
26	928.60	4166.2	0	6.2	925.45	3638.4	0	8.9	921.75	3090.3	0	8.5	917.80	2577.7	0	7.6	
27	928.50	4148.7	0	6.2	925.35	3622.5	0	8.4	921.65	3076.9	0	7.4	917.65	2559.6	0	7.6	
28	928.45	4140.0	0	6.2	925.25	3606.7	0	7.0	921.55	3062.9	0	2.9	917.50	2541.6	0	7.6	
29	928.35	4122.5	0	6.2	925.15	3590.8	0	7.0	921.45	3049.1	0	6.4	917.40	2529.6	0	7.6	
30	928.25	4104.9	0	6.2	925.00	3567.0	0	7.0	921.30	3028.5	0	7.4	917.25	2511.5	0	7.6	
31					924.90	3551.7	0	7.0	921.20	3014.8	0	7.7					
TOTAL				151.7				228.9				226.3				224.8	
Inf. Ac. Ft.				0				0				0				4672.9	
Outf. Ac. Ft.				360.4 + (100.1)				454.0 + (99.2)				448.9 + (88.0)				445.9 + (67.4)	
Max. Daily Inflow																1626.9 + [613.2]	
Min. Daily Inflow																352.6	
Max. Daily Outflow																0	
Storage Change				-460.5				-563.2				336.9				-503.3	
																+2202.7	
NOTE: Gage Heights and Storage as of Midnight on Day Shown														Yearly Totals			
Max. W. S. Elev.	932.10	feet	on	4/26/52	Storage	4815	Acres Feet		RECORDS COLLECTED BY				COMPUTATIONS		chkd.	Date	
Min. W. S. Elev.	886.34	feet	on	11/19/52	Storage	239	Acres Feet		F. A. POLLARD				Dam Tender		chkd.	FRW	
Max. Peak Inflow	952	C.F.S. from	2:00 P.M.	on	1/16/52	to	4:00 A.M.	on	F. E. STUNDEN				Hydrographer		Storage applied	FRW	
Max. Peak Outflow	9.4	C.F.S. from	8:00 P.M.	on	7/9/52	to	6:00 P.M.	on					Hydrographer		Inf. & Outf. comp.	FRW	
REMARKS () INDICATES EVAPORATION AND PERCOLATION LOSSES																	

F. O. Dist. Form 944 Revised 5/68 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>PUDDINGSTONE</u> Dam												Continuous Water Stage Recorder <u>AM</u>					
In <u>Puddingstone Creek</u> for the Year Ending September 30, 1953												Gage Heights <u>Read daily</u>					
Drainage Area <u>32.2</u> Square Miles. Capacity of Reservoir <u>1,7190.0</u> Ac. Ft. at Spillway Elev. <u>970.0</u> Ft. as of <u>JANUARY</u> 19 <u>41</u>												Gage Heights <u>Read daily</u>					
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	917.15	2439.4	7.5	914.00	2142.9	0	8.7	914.05	2148.4	32.2	0	914.40	2138.6	0.5	0.2		
2	917.00	2431.4	7.0	913.90	2132.3	0	8.9	914.30	2153.8	2.9	0	914.40	2138.6	0.5	0.2		
3	916.90	2423.4	4.1	913.75	2116.5	0	8.9	914.30	2153.8	0.3	0	914.40	2138.6	0.5	0.2		
4	916.85	2416.9	3.2	913.60	2100.6	0	8.9	914.30	2153.8	0.2	0	914.40	2138.6	0.5	0.2		
5	916.75	2412.3	5.3	913.50	2090.4	0	7.3	914.30	2153.8	0.2	0	914.40	2138.6	0.5	0.2		
6	916.60	2404.8	6.2	913.35	2074.2	0	7.7	914.05	2148.3	0.2	0	914.50	2129.7	5.8	0.2		
7	916.55	2402.0	3.2	913.20	2058.3	0	7.7	914.05	2148.3	0.0	0	914.50	2129.7	5.8	0.1		
8	916.45	2417.3	3.2	913.40	2047.8	2.4	7.7	914.05	2148.3	0.0	0	914.55	2121.3	3.9	0.1		
9	916.35	2405.7	4.9	913.00	2037.7	1.1	6.5	914.05	2148.3	0.0	0	914.55	2121.3	3.9	0.1		
10	916.25	2394.0	3.5	912.85	2021.8	0	5.7	914.05	2148.3	0.0	0	914.55	2121.3	3.9	0.1		
11	916.15	2382.4	3.8	912.70	2006.5	0	6.5	914.05	2148.3	0.0	0	914.55	2121.3	3.9	0.1		
12	916.00	2366.4	5.8	912.60	1996.2	0	6.5	914.05	2148.3	0.0	0	914.55	2121.3	3.9	0.1		
13	915.90	2355.5	2.7	912.45	1980.8	0	6.5	914.05	2148.3	0.0	0	914.70	2112.9	5.0	0.1		
14	915.80	2344.8	5.8	912.55	1991.1	8.5	6.2	914.05	2148.3	0.0	0	914.75	2122.4	8.3	0.1		
15	915.70	2333.1	4.1	913.15	2033.4	31.3	5.0	914.05	2148.3	0.0	0	914.75	2122.4	8.3	0.1		
16	915.65	2325.4	3.2	913.30	2068.9	8.0	0	914.00	2142.9	0.0	0	914.75	2122.4	8.3	0.1		
17	915.55	2314.1	4.4	913.30	2068.9	0.7	0	914.00	2142.9	0.2	0	914.70	2121.3	3.9	0.1		
18	915.45	2302.8	5.8	913.30	2068.9	0	0	914.00	2142.9	0.0	0	914.70	2121.3	3.9	0.2		
19	915.35	2291.5	5.8	913.30	2068.9	0	0	914.00	2142.9	0.0	0	914.70	2121.3	3.9	0.4		
20	915.25	2280.0	3.5	913.30	2068.9	0	0	914.20	2164.7	11.0	0	914.70	2121.3	3.9	0.4		
21	915.15	2269.0	3.4	913.25	2053.6	0	0	914.20	2164.7	0.3	0	914.70	2121.3	3.9	0.4		
22	915.05	2258.7	5.0	913.35	2074.2	5.0	0	914.20	2164.7	0.3	0	914.70	2121.3	3.9	0.4		
23	914.95	2248.4	5.0	913.35	2074.2	0	0	914.20	2164.7	0.3	0	914.75	2121.3	3.9	0.4		
24	914.85	2238.8	5.2	913.35	2074.2	0	0	914.20	2164.7	0.3	0	914.75					

F. D. Dist. Form 600 Revised 500 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1953.

Continuous Water Stage Recorder AU

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

Gage Height Read daily

Table with columns for months (FEBRUARY, MARCH, APRIL, MAY) and rows for Gage Height, Inflow, and Outflow. Includes summary rows for totals and inf. ac. ft.

NOTES: Gage Heights and Storage as of Midnight on Day Shown

Summary table with columns: Max. W.S. Elev., Min. W.S. Elev., Max. Peak Inf., Max. Peak Outf., RECORDS COLLECTED BY, COMPUTATIONS, Date.

REMARKS: () INDICATES AVERAGE FOR PERIOD OR PRO-RATED DAILY AVALTS. * GATE LEAKAGE. ** RESERVOIR W.S. ELEV. TO NEAREST 0.01 FOOT.

F. D. Dist. Form 600 Revised 500 11/54

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of PUDDINGSTONE Dam

On Puddingstone Creek for the Year Ending September 30, 1953.

Continuous Water Stage Recorder AU

Drainage Area 32.2 Square Miles. Capacity of Reservoir 17,190 Ac. Ft. at Spillway Elev. 970.0 Ft. as of January 1941 Survey

Gage Height Read daily

Table with columns for months (JUNE, JULY, AUGUST, SEPTEMBER) and rows for Gage Height, Inflow, and Outflow. Includes summary rows for totals and inf. ac. ft.

NOTES: Gage Heights and Storage as of Midnight on Day Shown

Summary table with columns: Max. W.S. Elev., Min. W.S. Elev., Max. Peak Inf., Max. Peak Outf., RECORDS COLLECTED BY, COMPUTATIONS, Date.

REMARKS: () INDICATES AVERAGE FOR PERIOD. () INDICATES EVAPORATION AND PERCOLATION LOSSES.

P. C. Dist. Form 85A Revised 200 11/74

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam
In Live Oak Canyon for the Year Ending September 30, 1952
Continuous Water Stage Recorder Auto
Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 1952 Survey Gage Heights Read at various times

Date	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	0	0	0	0	0	0	0	0	0	0	0	0	1463.4	15.5	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1463.3	15.3	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1463.3	15.3	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1463.2	15.1	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1463.1	14.8	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	1463.4	15.5	0.4	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1464.4	17.9	2.7	1.5
14	0	0	0	0	0	0	0	0	0	0	0	0	1460.3	9.4	0.1	4.4
15	0	0	0	0	0	0	0	0	0	0	0	0	1473.7	19.1	1.1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1473.8	50.4	3.8	9.5
17	0	0	0	0	0	0	0	0	0	0	0	0	1473.8	50.4	7.2	11.5
18	0	0	0	0	0	0	0	0	0	0	0	0	1473.7	50.0	18.3	18.5
19	0	0	0	0	0	0	0	0	0	0	0	0	1469.9	34.8	4.8	12.3
20	0	0	0	0	0	0	0	0	0	0	0	0	1466.3	23.1	0.8	8.2
21	0	0	0	0	0	0	0	0	0	0	0	0	1463.6	16.0	0.8	4.2
22	0	0	0	0	0	0	0	0	0	0	0	0	1461.0	10.5	0.8	2.7
23	0	0	0	0	0	0	0	0	0	0	0	0	1460.3	9.4	0.7	0.7
24	0	0	0	0	0	0	0	0	0	0	0	0	1461.0	10.5	0.8	0
25	0	0	0	0	0	0	0	0	0	0	0	0	1461.9	12.3	0.8	0
26	0	0	0	0	0	0	0	0	0	0	0	0	1462.4	13.3	0.5	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1462.8	14.2	0.4	0
28	0	0	0	0	0	0	0	0	0	0	0	0	1463.0	14.6	0.3	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1463.3	15.3	0.3	0
30	0	0	0	0	0	0	0	0	0	0	0	0	1463.5	15.8	0.3	0
31	0	0	0	0	0	0	0	0	0	0	0	0	1463.7	16.2	0.3	0
TOTAL																
INF. AD. FT.																
OUT. AD. FT.																
Max. Daily Inflow																
Min. Daily Inflow																
Max. Daily Outflow																
Min. Daily Outflow																
Storage Change																

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: H. R. WHISLER (Dam Tender), F. E. STUNDEN (Hydrographer)

COMPUTATIONS: Gage Hts. copied (JHL), Storage applied (APK), Inf. & Outf. comp. (JHL, HRW)

REMARKS: () INDICATES AVERAGE FOR PERIOD, () INDICATES EVAPORATION AND LEAKAGE LOSSES.

P. C. Dist. Form 85B Revised 200 11/74

DAM OPERATION RECORD
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Daily Gage Height in feet and Operation Record of LIVE OAK Dam
In Live Oak Canyon for the Year Ending September 30, 1952
Continuous Water Stage Recorder Auto
Drainage Area 2.3 Square Miles. Capacity of Reservoir 227.5 Ac. Ft. at Spillway Elev. 1497.0 Ft. as of May 1952 Survey Gage Heights Read at various times

Date	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1463.8	16.4	0.2	0	1463.2	11.0	0.0	0.4	1464.9	19.2	0.5	0.9	1460.3	9.2	0.8	0
2	1463.9	16.7	0.2	0	1463.2	11.0	0.0	0.4	1463.9	18.7	0.4	0.7	1460.3	9.2	0.8	0
3	1464.0	16.9	0.2	0	1463.3	11.2	0.0	0.4	1463.9	18.7	0.4	0.7	1460.3	9.2	0.8	0
4	1463.1	14.8	0.1	0	1463.3	11.2	0.0	0.4	1463.2	18.2	0.4	0.7	1460.4	9.3	0.8	0
5	1463.9	15.8	0.1	0	1463.3	11.2	0.0	0.4	1463.2	18.2	0.4	0.7	1460.4	9.3	0.8	0
6	1463.9	15.8	0.1	0	1463.3	11.2	0.0	0.4	1463.2	18.2	0.4	0.7	1460.4	9.3	0.8	0
7	1463.4	15.0	0.1	0	1463.3	11.2	0.0	0.4	1460.5	10.0	0.4	0.7	1460.5	9.3	0.8	0
8	1463.5	15.2	0.1	0	1463.2	11.2	0.0	0.4	1461.7	11.6	0.4	0.7	1460.5	9.3	0.8	0
9	1463.7	15.5	0.1	0	1463.2	11.2	0.0	0.4	1461.5	11.5	0.4	0.7	1460.5	9.3	0.8	0
10	1463.8	15.6	0.1	0	1463.2	11.2	0.0	0.4	1461.4	11.4	0.4	0.7	1460.5	9.3	0.8	0
11	1460.0	8.9	0.1	0	1463.4	11.3	0.0	0.4	1461.1	11.1	0.4	0.7	1460.5	9.3	0.8	0
12	1460.7	9.1	0.1	0	1463.4	11.3	0.0	0.4	1460.9	11.0	0.4	0.7	1460.5	9.3	0.8	0
13	1460.3	9.2	0.1	0	1463.4	11.3	0.0	0.4	1460.9	11.0	0.4	0.7	1460.5	9.3	0.8	0
14	1460.3	9.2	0.1	0	1463.4	11.3	0.0	0.4	1460.9	11.0	0.4	0.7	1460.5	9.3	0.8	0
15	1460.4	9.4	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
16	1460.5	9.5	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
17	1460.5	9.5	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
18	1460.7	10.1	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
19	1460.7	10.1	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
20	1460.8	10.3	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
21	1460.8	10.3	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
22	1460.9	10.4	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
23	1460.9	10.4	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
24	1461.0	10.5	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
25	1461.0	10.5	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
26	1461.0	10.5	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
27	1461.1	10.6	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
28	1461.1	10.6	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
29	1461.1	10.6	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
30	1461.1	10.6	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
31	1461.1	10.6	0.1	0	1463.5	11.4	0.0	0.4	1460.7	10.9	0.4	0.7	1460.5	9.3	0.8	0
TOTAL																
INF. AD. FT.																
OUT. AD. FT.																
Max. Daily Inflow																
Min. Daily Inflow																
Max. Daily Outflow																
Min. Daily Outflow																
Storage Change																

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: H. R. WHISLER (Dam Tender), F. E. STUNDEN (Hydrographer)

COMPUTATIONS: Gage Hts. copied (JHL, HW), Storage applied (JHL, HW), Inf. & Outf. comp. (JHL, HW)

REMARKS: () INDICATES AVERAGE FOR PERIOD, () INDICATES EVAPORATION AND LEAKAGE LOSSES.

F. D. Dist. Form 880 Revised 800 11/64

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																		
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>227.5</u> Ac. Ft. at Spillway Elev. <u>1,477.0</u> Ft. as of <u>May</u> 19 <u>52</u> Survey <u>10.38</u> Gage Heights Read at various times																		
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day	
	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow		
1	1451.1	10.8	0	0	1459.9	8.8	0	0	1458.0	6.1	0	0	1456.4	4.3	0	0	1	
2	1451.1	10.8	0	0	1459.9	8.8	0	0	1457.9	6.0	0	0	1456.3	4.2	0	0	2	
3	1451.0	10.6	0	0	1459.8	8.6	0	0	1457.8	5.9	0	0	1456.2	4.1	0	0	3	
4	1451.0	10.6	0	0	1459.7	8.5	0	0	1457.8	5.9	0	0	1456.2	4.1	0	0	4	
5	1451.0	10.6	0	0	1459.6	8.3	0	0	1457.7	5.7	0	0	1456.2	4.1	0	0	5	
6	1451.0	10.6	0	0	1459.6	8.3	0	0	1457.7	5.7	0	0	1456.2	4.1	0	0	6	
7	1451.0	10.6	0	0	1459.5	8.2	0	0	1457.6	5.6	0	0	1456.1	4.0	0	0	7	
8	1451.0	10.6	0	0	1459.5	8.2	0	0	1457.6	5.6	0	0	1456.1	4.0	0	0	8	
9	1450.9	10.4	0	0	1459.4	8.0	0	0	1457.5	5.5	0	0	1456.0	3.9	0	0	9	
10	1450.9	10.4	0	0	1459.3	7.9	0	0	1457.4	5.4	0	0	1456.0	3.9	0	0	10	
11	1450.9	10.4	0	0	1459.3	7.9	0	0	1457.4	5.4	0	0	1456.0	3.9	0	0	11	
12	1450.8	10.3	0	0	1459.2	7.7	0	0	1457.3	5.3	0	0	1455.9	3.8	0	0	12	
13	1450.8	10.3	0	0	1459.1	7.6	0	0	1457.3	5.3	0	0	1455.9	3.8	0	0	13	
14	1450.7	10.1	0	0	1459.1	7.6	0	0	1457.2	5.1	0	0	1455.8	3.7	0	0	14	
15	1450.7	10.1	0	0	1459.0	7.4	0	0	1457.2	5.1	0	0	1455.8	3.7	0	0	15	
16	1450.7	10.1	0	0	1458.9	7.3	0	0	1457.1	5.0	0	0	1455.8	3.7	0	0	16	
17	1450.6	9.9	0	0	1458.9	7.3	0	0	1457.1	5.0	0	0	1455.8	3.7	0	0	17	
18	1450.6	9.9	0	0	1458.8	7.1	0	0	1457.0	4.9	0	0	1455.7	3.6	0	0	18	
19	1450.5	9.8	0	0	1458.8	7.1	0	0	1457.0	4.9	0	0	1455.7	3.6	0	0	19	
20	1450.5	9.8	0	0	1458.7	7.0	0	0	1456.9	4.8	0	0	1455.7	3.6	0	0	20	
21	1450.4	9.6	0	0	1458.6	6.9	0	0	1456.9	4.8	0	0	1455.7	3.6	0	0	21	
22	1450.4	9.6	0	0	1458.6	6.9	0	0	1456.8	4.7	0	0	1455.6	3.6	0	0	22	
23	1450.3	9.4	0	0	1458.5	6.8	0	0	1456.8	4.7	0	0	1455.6	3.6	0	0	23	
24	1450.3	9.4	0	0	1458.4	6.6	0	0	1456.7	4.6	0	0	1455.6	3.6	0	0	24	
25	1450.3	9.4	0	0	1458.4	6.6	0	0	1456.7	4.6	0	0	1455.6	3.6	0	0	25	
26	1450.2	9.2	0	0	1458.3	6.5	0	0	1456.6	4.5	0	0	1455.5	3.5	0	0	26	
27	1450.2	9.2	0	0	1458.3	6.5	0	0	1456.6	4.5	0	0	1455.5	3.5	0	0	27	
28	1450.1	9.1	0	0	1458.2	6.4	0	0	1456.6	4.5	0	0	1455.5	3.5	0	0	28	
29	1450.1	9.1	0	0	1458.1	6.2	0	0	1456.5	4.4	0	0	1455.4	3.4	0	0	29	
30	1450.0	8.9	0	0	1458.1	6.2	0	0	1456.5	4.4	0	0	1455.4	3.4	0	0	30	
31					1458.0	6.1	0	0	1456.4	4.3	0	0					31	
TOTAL																		
Inf. Ac. Ft.																		36.7
Outf. Ac. Ft.																		346.0 + (15.2)
Maximum Mean Daily Inflow																		33.6
Minimum Mean Daily Inflow																		0
Storage Change	-1.9				-2.8				-1.8				-0.9					+3.4

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: H. R. WHISLER (Dam Tender), F. E. STAMEN (Hydrographer)

COMPUTATIONS: Gage Hts. copied J.L. HW, Storage applied J.L. HW, Inf. & Outf. comp. J.L. HW

REMARKS: () INDICATES EVAPORATION, PERCOLATION AND LEAKAGE LOSSES

F. D. Dist. Form 88A Revised 800 11/64

DAM OPERATION RECORD																		
LOS ANGELES COUNTY																		
FLOOD CONTROL DISTRICT																		
HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																		
In <u>Live Oak Canyon</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1487.0</u> Ft. as of <u>November</u> 19 <u>52</u>																		
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day	
	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow	Gage Height	Acres Ft. Storage	C.F.B. Inflow	C.F.B. Outflow		
1	1445.4	3.4	0	0					1446.2	0.1	0.5	0	1447.2	0.2	0	0	1	
2	1445.4	3.4	0	0					1445.8	0	0	0	1447.2	0.2	0	0	2	
3	1445.4	3.4	0	0					1445.8	0	0	0	1447.2	0.2	0	0	3	
4	1445.3	3.3	0	0					1445.8	0	0	0	1447.2	0.2	0	0	4	
5	1445.3	3.3	0	0					1445.8	0	0	0	1447.2	0.2	0	0	5	
6	1445.3	3.3	0	0					1445.8	0	0	0	1447.2	0.2	0	0	6	
7	1445.2	3.2	0	0					1445.9	0	0	0	1447.4	0.2	0	0	7	
8	1445.2	3.2	0	0					1445.9	0	0	0	1447.4	0.2	0	0	8	
9	1445.2	3.2	0	0					1445.9	0	0	0	1447.3	0.2	0	0	9	
10	1445.2	3.2	0	0					1446.0	0	0	0	1447.5	0.2	0	0	10	
11	1445.2	3.2	0	0					1446.0	0	0	0	1447.5	0.2	0	0	11	
12	1445.1	3.1	0	0					1446.1	0	0	0	1447.6	0.2	0	0	12	
13	1444.9	3.0	0	0					1446.1	0	0	0	1447.7	0.2	0	0	13	
14	1444.9	3.0	0	0					1446.1	0	0	0	1447.7	0.2	0	0	14	
15	1444.9	3.0	0	0					1446.2	0.1	0.5	0	1447.7	0.2	0	0	15	
16	1444.9	3.0	0	0					1446.2	0.1	0.5	0	1447.7	0.2	0	0	16	
17	1444.9	3.0	0	0					1446.2	0.1	0.5	0	1447.7	0.2	0	0	17	
18	1444.9	3.0	0	0					1446.2	0.1	0.5	0	1447.7	0.2	0	0	18	
19	1444.9	3.0	0	0					1446.2	0.1	0.5	0	1447.7	0.2	0	0	19	
20	1444.9	3.0	0	0					1446.3	0.1	0.5	0	1447.7	0.2	0	0	20	
21	1444.9	3.0	0	0					1446.3	0.1	0.5	0	1447.8	0.2	0	0	21	
22	1444.9	3.0	0	0					1446.4	0.1	0.5	0	1447.8	0.2	0	0	22	
23	1444.9	3.0	0	0					1446.4	0.1	0.5	0	1447.8	0.2	0	0	23	
24	1444.9	3.0	0	0					1446.4	0.1	0.5	0	1447.8	0.2	0	0	24	
25	1444.9	3.0	0	0					1446.4	0.1	0.5	0	1447.8	0.2	0	0	25	
26	1444.9	3.0	0	0					1446.5	0.1	0.5	0	1447.8	0.2	0	0	26	
27	1444.9	3.0	0	0					1446.5	0.1	0.5	0	1447.8	0.2	0	0	27	
28	1444.9	3.0	0	0					1446.5	0.1	0.5	0	1447.8	0.2	0	0	28	
29	1444.9	3.0	0	0					1446.5	0.1	0.5	0	1447.8	0.2	0	0	29	
30	1444.9	3.0	0	0					1447.2	0.2	0.5	0	1447.9	0.2	0	0	30	
31									1447.2	0.2	0.5	0	1447.9	0.2	0	0	31	
TOTAL																		
Inf. Ac. Ft.																		0.1
Outf. Ac. Ft.																		0.2
Maximum Mean Daily Inflow																		0.5
Minimum Mean Daily Inflow																		0.05
Storage Change	-3.4																	-3.2

NOTE: Gage Heights and Storage as of Midnight on Day Shown

RECORDS COLLECTED BY: G. R. WATKINS (Dam Tender), F. E. STAMEN (Hydrographer)

COMPUTATIONS: Gage Hts. copied J.L. HW, Storage applied J.L. HW, Inf. & Outf. comp. J.L. HW

REMARKS: () INDICATES AVERAGE FOR PERIOD, () INDICATES EVAPORATION AND PERCOLATION LOSSES

F. C. Dist. Form 802 Revised 5/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																
In <u>Live Oak Canyon</u> for the Year Ending September 30, 1953																
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 1952 Survey Gage Heights Read at various times.																
Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
2	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
3	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
4	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
5	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
6	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
7	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
8	1447.9	0.2	0	0	1448.2	0.3	0	0	1448.7	0.3	0	0	1449.5	0.5	0	0
9	1448.0	0.2	0	0	1448.3	0.3	0	0	1448.8	0.4	0	0	1449.7	0.5	0	0
10	1448.0	0.2	0	0	1448.3	0.3	0	0	1448.8	0.4	0	0	1449.7	0.5	0	0
11	1448.0	0.2	0	0	1448.3	0.3	0	0	1448.8	0.4	0	0	1449.7	0.5	0	0
12	1448.0	0.2	0	0	1448.3	0.3	0	0	1448.8	0.4	0	0	1449.7	0.5	0	0
13	1448.0	0.2	0	0	1448.4	0.3	0	0	1448.9	0.4	0	0	1449.7	0.5	0	0
14	1448.0	0.2	0	0	1448.4	0.3	0	0	1448.9	0.4	0	0	1449.7	0.5	0	0
15	1448.0	0.2	0	0	1448.4	0.3	0	0	1449.0	0.4	0	0	1449.7	0.5	0	0
16	1448.0	0.2	0	0	1448.4	0.3	0	0	1449.0	0.4	0	0	1449.7	0.5	0	0
17	1448.0	0.2	0	0	1448.4	0.3	0	0	1449.0	0.4	0	0	1449.7	0.5	0	0
18	1448.0	0.2	0	0	1448.4	0.3	0	0	1449.0	0.4	0	0	1449.7	0.5	0	0
19	1448.0	0.2	0	0	1448.5	0.3	0	0	1449.0	0.4	0	0	1449.7	0.5	0	0
20	1448.0	0.2	0	0	1448.5	0.3	0	0	1449.1	0.4	0	0	1449.7	0.5	0	0
21	1448.0	0.2	0	0	1448.5	0.3	0	0	1449.1	0.4	0	0	1449.7	0.5	0	0
22	1448.0	0.2	0	0	1448.5	0.3	0	0	1449.2	0.4	0	0	1449.7	0.5	0	0
23	1448.0	0.2	0	0	1448.5	0.3	0	0	1449.2	0.4	0	0	1449.7	0.5	0	0
24	1448.1	0.3	0	0	1448.5	0.3	0	0	1449.2	0.4	0	0	1449.7	0.5	0	0
25	1448.1	0.3	0	0	1448.5	0.3	0	0	1449.2	0.4	0	0	1450.0	0.5	0	0
26	1448.1	0.3	0	0	1448.5	0.3	0	0	1449.2	0.4	0	0	1450.0	0.5	0	0
27	1448.2	0.3	0	0	1448.5	0.3	0	0	1449.4	0.5	0	0	1450.0	0.5	0	0
28	1448.2	0.3	0	0	1448.5	0.3	0	0	1449.4	0.5	0	0	1450.0	0.5	0	0
29					1448.7	0.3	0	0	1449.5	0.5	0	0	1450.0	0.5	0	0
30					1448.7	0.3	0	0	1449.5	0.5	0	0	1450.1	0.5	0	0
31					1448.7	0.3	0	0	1449.5	0.5	0	0	1450.1	0.5	0	0
TOTAL		0.1	0	0		0.1	0	0		0	0	0		0.1	0	0
Inf. Ac. Ft.		0.2				0.2				0.3				0.2		1.4
Outf. Ac. Ft.		0		(0.1)		0		(0.2)		0		(0.1)		0		3.2+(1.0)
Max. Daily Inflow		+				+				+				+		0.05
Min. Daily Inflow		0				0				0				0		0
Max. Daily Outflow		0				0				0				0		0
Storage Change		+0.1				0				+0.2				+0.1		*2.8

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1455.4	feet	on	10/1/52	Storage	3.4	Acres Feet
Min. W. S. Elev.	1444.2	feet	IN	NOVEMBER	Storage	0	Acres Feet
Max. Peak Inf.	0.8	C.F.S. from	12:00 MIDDNITE	on 12/1/52	to	2:00 A.M.	on 12/2/52
Max. Peak Outf.	0.4	C.F.S. from	12:00 NOON	on 10/9/52	to	4:00 P.M.	on 10/9/52

REMARKS () INDICATES EVAPORATION AND PERCOLATION LOSSES.

F. C. Dist. Form 802 Revised 5/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>LIVE OAK</u> Dam																
In <u>Live Oak Canyon</u> for the Year Ending September 30, 1953																
Drainage Area <u>2.3</u> Square Miles. Capacity of Reservoir <u>221.1</u> Ac. Ft. at Spillway Elev. <u>1497.0</u> Ft. as of <u>November</u> 1952 Survey Gage Heights Read at various times.																
Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow
1	1450.1	0.6	0	0	1449.7	0.5	0	0	1448.7	0.3	0	0	1447.6	0.2	0	0
2	1450.1	0.6	0	0	1449.7	0.5	0	0	1448.7	0.3	0	0	1447.6	0.2	0	0
3	1450.1	0.6	0	0	1449.6	0.5	0	0	1448.6	0.3	0	0	1447.6	0.2	0	0
4	1450.1	0.6	0	0	1449.6	0.5	0	0	1448.6	0.3	0	0	1447.5	0.2	0	0
5	1450.1	0.6	0	0	1449.6	0.5	0	0	1448.5	0.3	0	0	1447.5	0.2	0	0
6	1450.1	0.6	0	0	1449.6	0.5	0	0	1448.5	0.3	0	0	1447.5	0.2	0	0
7	1450.1	0.6	0	0	1449.5	0.5	0	0	1448.5	0.3	0	0	1447.5	0.2	0	0
8	1450.1	0.6	0	0	1449.5	0.5	0	0	1448.4	0.3	0	0	1447.5	0.2	0	0
9	1450.1	0.6	0	0	1449.5	0.5	0	0	1448.4	0.3	0	0	1447.4	0.2	0	0
10	1450.1	0.6	0	0	1449.4	0.5	0	0	1448.4	0.3	0	0	1447.4	0.2	0	0
11	1450.0	0.6	0	0	1449.4	0.5	0	0	1448.3	0.3	0	0	1447.4	0.2	0	0
12	1450.0	0.6	0	0	1449.3	0.4	0	0	1448.3	0.3	0	0	1447.4	0.2	0	0
13	1450.0	0.6	0	0	1449.3	0.4	0	0	1448.3	0.3	0	0	1447.3	0.2	0	0
14	1450.0	0.6	0	0	1449.2	0.4	0	0	1448.2	0.3	0	0	1447.3	0.2	0	0
15	1450.0	0.6	0	0	1449.2	0.4	0	0	1448.2	0.3	0	0	1447.3	0.2	0	0
16	1450.0	0.6	0	0	1449.2	0.4	0	0	1448.2	0.3	0	0	1447.3	0.2	0	0
17	1450.0	0.6	0	0	1449.1	0.4	0	0	1448.1	0.3	0	0	1447.3	0.2	0	0
18	1450.0	0.6	0	0	1449.1	0.4	0	0	1448.1	0.3	0	0	1447.2	0.2	0	0
19	1450.0	0.6	0	0	1449.1	0.4	0	0	1448.1	0.3	0	0	1447.2	0.2	0	0
20	1450.0	0.6	0	0	1449.1	0.4	0	0	1448.0	0.2	0	0	1447.1	0.1	0	0
21	1450.0	0.6	0	0	1449.0	0.4	0	0	1448.0	0.2	0	0	1447.1	0.1	0	0
22	1449.9	0.6	0	0	1449.0	0.4	0	0	1448.0	0.2	0	0	1447.1	0.1	0	0
23	1449.9	0.6	0	0	1449.0	0.4	0	0	1448.0	0.2	0	0	1447.0	0.1	0	0
24	1449.9	0.6	0	0	1449.0	0.4	0	0	1447.9	0.2	0	0	1447.0	0.1	0	0
25	1449.8	0.6	0	0	1448.9	0.4	0	0	1447.9	0.2	0	0	1447.0	0.1	0	0
26	1449.8	0.6	0	0	1448.9	0.4	0	0	1447.8	0.2	0	0	1447.0	0.1	0	0
27	1449.8	0.6	0	0	1448.9	0.4	0	0	1447.8	0.2	0	0	1447.0	0.1	0	0
28	1449.8	0.6	0	0	1448.8	0.4	0	0	1447.7	0.2	0	0	1447.0	0.1	0	0
29	1449.8	0.6	0	0	1448.8	0.4	0	0	1447.7	0.2	0	0	1447.0	0.1	0	0
30	1449.7	0.5	0	0	1448.8	0.4	0	0	1447.7	0.2	0	0	1447.0	0.1	0	0
31					1448.7	0.3	0	0	1447.6	0.2	0	0	1447.0	0.1	0	0
TOTAL		0.2	0	0		0.2	0	0		0.1	0	0		0.1	0	2.0
Inf. Ac. Ft.		0		(0.3)		0		(0.4)		0		(0.2)		0		3.2+(2.1)
Outf. Ac. Ft.		+				+				+				+		0.05
Max. Daily Inflow		+				+				+				+		0
Min. Daily Inflow		0				0				0				0		0
Max. Daily Outflow		0				0				0				0		0
Storage Change		-0.1				-0.2				-0.1				-0.1		3.3

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1455.4	feet	on	10/1/52	Storage	3.4	Acres Feet
Min. W. S. Elev.	1444.2	feet	IN	NOVEMBER	Storage	0	Acres Feet
Max. Peak Inf.	0.8	C.F.S. from	12:00 MIDDNITE	on 12/1/52	to	2:00 A.M.	on 12/2/52
Max. Peak Outf.	0.4	C.F.S. from	12:00 NOON	on 10/9/52	to	4:00 P.M.	on 10/9/52

REMARKS () INDICATES EVAPORATION AND PERCOLATION LOSSES.

F. C. Dist. Form REC Revised 808 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam													Continuous Water Stage Recorder <u>Au</u>				
In <u>Thompson Creek</u> for the Year Ending September 30, 1952.													Gage Heights Read at various times.				
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>812.3</u> Ac. Ft. at Spillway Elev. <u>1634.8</u> Ft. as of <u>January</u> 19 <u>43</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	1586.4	17.8	0	0	1581.5	5.8	0	0	1577.0	0.9	0	0	0	0	0	0	1
2	1586.2	17.1	0	0	1581.3	5.4	0	0	1576.8	0.8	0	0	0	0	0	0	2
3	1586.0	16.5	0	0	1581.2	5.3	0	0	1576.6	0.7	0	0	0	0	0	0	3
4	1583.8	15.9	0	0	1581.1	5.1	0	0	1576.5	0.7	0	0	0	0	0	0	4
5	1583.6	15.4	0	0	1581.0	4.9	0	0	1576.5	0.6	0	0	0	0	0	0	5
6	1583.4	14.8	0	0	1580.8	4.6	0	0	0	0	0	0	0	0	0	0	6
7	1583.3	14.5	0	0	1580.7	4.5	0	0	0	0	0	0	0	0	0	0	7
8	1583.1	14.0	0	0	1580.6	4.3	0	0	0	0	0	0	0	0	0	0	8
9	1583.0	13.7	0	0	1580.4	4.1	0	0	0	0	0	0	0	0	0	0	9
10	1584.8	13.2	0	0	1580.1	3.6	0	0	0	0	0	0	0	0	0	0	10
11	1584.6	12.7	0	0	1579.9	3.4	0	0	0	0	0	0	0	0	0	0	11
12	1584.4	12.1	0	0	1579.8	3.3	0	0	0	0	0	0	0	0	0	0	12
13	1584.2	11.6	0	0	1579.7	3.1	0	0	0	0	0	0	0	0	0	0	13
14	1584.0	11.1	0	0	1579.6	3.0	0	0	1575.0	0.2	0	0	0	0	0	0	14
15	1583.9	10.9	0	0	1579.5	2.9	0	0	0	0	0	0	0	0	0	0	15
16	1583.8	10.6	0	0	1579.4	2.8	0	0	0	0	0	0	0	0	0	0	16
17	1583.6	10.1	0	0	1579.3	2.7	0	0	0	0	0	0	0	0	0	0	17
18	1583.5	9.9	0	0	1579.1	2.4	0	0	1373.0	0.1	0	0	0	0	0	0	18
19	1583.3	9.4	0	0	1579.0	2.3	0	0	0	0	0	0	0	0	0	0	19
20	1583.2	9.2	0	0	1578.8	2.1	0	0	0	0	0	0	0	0	0	0	20
21	1583.0	8.7	0	0	1578.7	2.1	0	0	0	0	0	0	0	0	0	0	21
22	1582.9	8.5	0	0	1578.6	2.0	0	0	0	0	0	0	0	0	0	0	22
23	1582.7	8.1	0	0	1578.4	1.8	0	0	0	0	0	0	0	0	0	0	23
24	1582.6	7.9	0	0	1578.3	1.7	0	0	0	0	0	0	0	0	0	0	24
25	1582.4	7.5	0	0	1578.2	1.7	0	0	0	0	0	0	0	0	0	0	25
26	1582.2	7.1	0	0	1578.0	1.5	0	0	0	0	0	0	0	0	0	0	26
27	1582.1	6.9	0	0	1577.8	1.4	0	0	0	0	0	0	0	0	0	0	27
28	1581.9	6.5	0	0	1577.7	1.3	0	0	0	0	0	0	0	0	0	0	28
29	1581.8	6.3	0	0	1577.5	1.2	0	0	0	0	0	0	0	0	0	0	29
30	1581.6	6.0	0	0	1577.3	1.1	0	0	0	0	0	0	0	0	0	0	30
31	1581.6	6.0	0	0	1577.2	1.0	0	0	0	0	0	0	0	0	0	0	31
TOTAL																	
Infl. Ac. Ft. <u>0</u> Outfl. Ac. Ft. <u>0</u> + (12.4)																	
Mean Daily Inflow <u>0</u> Mean Daily Outflow <u>0</u> + (5.0)																	
Minimum <u>0</u> Maximum <u>0</u> + (1.0)																	
Storage Change <u>-12.4</u> <u>-5.0</u> <u>-1.0</u> <u>0</u>																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY H. R. WHISLER Dam Tender COMPUTATIONS JHL Date																	
F. E. STUNDEN Hydrographer Storage applied JHL Date																	
Inf. & Outfl. comp. JHL Date																	
REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES.																	

F. C. Dist. Form 88A Revised 808 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY																	
FLOOD CONTROL DISTRICT																	
HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam													Continuous Water Stage Recorder <u>Au</u>				
In <u>Thompson Creek</u> for the Year Ending September 30, 1952.													Gage Heights Read at various times.				
Drainage Area <u>3.6</u> Square Miles. Capacity of Reservoir <u>813.7</u> Ac. Ft. at Spillway Elev. <u>1634.86</u> Ft. as of <u>January</u> 19 <u>43</u> Survey																	
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1	0	0	0	0	0	0	0	0	1578.0	1.5	0.9	0	1578.5	1.9	0.1	0	1
2	0	0	0	0	0	0	0	0	1579.4	2.8	0.8	0	1578.2	1.7	0.1	0	2
3	0	0	0	0	0	0	0	0	1579.1	2.4	0	0	1578.0	1.5	0	0	3
4	0	0	0	0	0	0	0	0	1578.9	2.2	0	0	1577.7	1.3	0	0	4
5	0	0	0	0	0	0	0	0	1578.5	1.9	0	0	1577.4	1.1	0	0	5
6	0	0	0	0	0	0	0	0	1578.2	1.7	0	0	1577.7	1.1	0.2	0	6
7	0	0	0	0	0	0	0	0	1577.8	1.4	0	0	1578.4	1.8	0.4	0	7
8	0	0	0	0	0	0	0	0	1577.3	1.1	0	0	1578.1	1.6	0.1	0	8
9	0	0	0	0	0	0	0	0	1576.8	0.8	0	0	1577.9	1.4	0	0	9
10	0	0	0	0	0	0	0	0	1576.4	0.7	0	0	1577.8	1.4	0	0	10
11	0	0	0	0	0	0	0	0	1576.2	0.6	0	0	1577.8	1.4	0	0	11
12	0	0	0	0	0	0	0	0	1576.0	0.5	0	0	1577.7	1.3	0	0	12
13	0	0	0	0	0	0	0	0	1575.9	0.5	0	0	1577.7	1.3	0	0	13
14	0	0	0	0	0	0	0	0	1575.7	0.4	0	0	1577.5	1.2	0	0	14
15	0	0	0	0	0	0	0	0	1575.5	0.4	0	0	1577.3	1.0	0	0	15
16	0	0	0	0	0	0	0	0	1575.3	0.4	0	0	1577.2	0.9	0	0	16
17	0	0	0	0	0	0	0	0	1575.2	0.3	0	0	1576.9	0.8	0	0	17
18	0	0	0	0	0	0	0	0	1575.1	0.2	0	0	1576.6	0.7	0	0	18
19	0	0	0	0	0	0	0	0	1574.9	0.2	0	0	1576.4	0.7	0	0	19
20	0	0	0	0	0	0	0	0	1578.4	1.8	1.0	0	1576.3	0.6	0	0	20
21	0	0	0	0	0	0	0	0	1578.2	1.7	0.2	0	1576.1	0.5	0	0	21
22	0	0	0	0	0	0	0	0	1577.8	1.4	0	0	1576.0	0.5	0	0	22
23	0	0	0	0	0	0	0	0	1577.4	1.1	0	0	1575.8	0.4	0	0	23
24	0	0	0	0	0	0	0	0	1577.1	1.0	0	0	1575.7	0.4	0	0	24
25	0	0	0	0	0	0	0	0	1576.8	0.9	0	0	1575.6	0.4	0	0	25
26	0	0	0	0	0	0	0	0	1576.6	0.7	0	0	1575.3	0.3	0	0	26
27	0	0	0	0	0	0	0	0	1576.5	0.7	0	0	1575.1	0.2	0	0	27
28	0	0	0	0	0	0	0	0	1576.2	0.7	0.1	0	1574.8	0.2	0	0	28
29	0	0	0	0	0	0	0	0	1576.0	0.7	0	0	1574.6	0.1	0	0	29
30	0	0	0	0	0	0	0	0	1577.7	1.3	0.4	0	1574.4	0.1	0	0	30
31	0	0	0	0	0	0	0	0	1578.8	2.1	0.6	0	1574.2	0.1	0	0	31
TOTAL																	
Infl. Ac. Ft. <u>0</u> Outfl. Ac. Ft. <u>0</u> + (5.8)																	
Mean Daily Inflow <u>1.0</u> Mean Daily Outflow <u>0.4</u> + (0.6)																	
Minimum <u>0</u> Maximum <u>1.0</u> + (9.5)																	
Storage Change <u>0</u> <u>0</u> <u>2.1</u> <u>-2.0</u> <u>+0.1</u>																	
NOTE: Gage Heights and Storages as of Midnight on Day Shown																	
RECORDS COLLECTED BY O. R. WATKINS Dam Tender COMPUTATIONS JHL Date																	
F. E. STUNDEN Hydrographer Storage applied JHL Date																	
Inf. & Outfl. comp. JHL Date																	
REMARKS () INDICATES PERCOLATION AND EVAPORATION LOSSES.																	

F. C. Dist. Form 688 Revised 300 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																	
On <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>53</u>																	
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>813.7</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>January</u> , 19 <u>53</u> Survey Gage Heights Read at various times.																	
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1	1574.0	0.1	0	0	1573.4	0	0	0	1573.8	0	0	0	1573.4	0	0	0	1
2	1573.9	Pool	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3	1573.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
4	1573.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	1573.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
6	1573.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
7	1573.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	1573.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
9	1573.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
10	1573.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	1578.6	2.0	1.3	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	1578.1	1.6	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	1577.7	1.3	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	1577.3	1.1	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	1576.9	0.9	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	1576.5	0.7	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	1576.1	0.5	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	1575.7	0.4	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	1575.4	0.3	0	0	0	0	0	0	0	0	0	0	28
29	0	0	0	0	1575.0	0.2	0	0	0	0	0	0	0	0	0	0	29
30	0	0	0	0	1574.6	0.1	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	1574.2	0.1	0	0	0	0	0	0	0	0	0	0	31
TOTAL	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0	0	0	0
Inf. Ac. Ft.	0	0	0	0	0	0	2.6	0	0	0	0	0	0	0	0	0	12.3
Outf. Ac. Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 + (12.3)
Mean Daily Inflow	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0	0	0	1.3
Mean Daily Outflow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1579.5	feet	on	12/2/52	Storage	2.9	Acres Feet	RECORDS COLLECTED BY	O. R. WATKINS	Dam Tender	COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1573.4	feet	on	MOST OF YEAR	Storage	0	Acres Feet	O. R. WATKINS	Hydrographer	Dam Tender	Gage Hts. copied	J.H.	HRW
Max. Peak Inf.	8.2	C. F. S. from	11:00 P.M.	on 12/1/52	to	11:30 P.M.	on 12/1/52	F. E. STUNDEN	Hydrographer	Storage applied	J.H.	HRW	
Max. Peak Outf.	0	C. F. S. from	on	to	on	on		F. E. STUNDEN	Hydrographer	Inf. & Outf. comp.	J.H.	HRW	

REMARKS () INDICATES PERCOLATION LOSSES.

F. C. Dist. Form 688 Revised 300 11/44

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>THOMPSON CREEK</u> Dam																	
On <u>Thompson Creek</u> for the Year Ending September 30, 19 <u>53</u>																	
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>813.7</u> Ac. Ft. at Spillway Elev. <u>1634.85</u> Ft. as of <u>JANUARY</u> , 19 <u>53</u> Survey Gage Heights Read at various times.																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inf. Ac. Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.3
Outf. Ac. Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 + (12.3)
Mean Daily Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3
Mean Daily Outflow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	1579.5	feet	on	12/2/52	Storage	2.9	Acres Feet	RECORDS COLLECTED BY	O. R. WATKINS	Dam Tender	COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	1573.4	feet	on	MOST OF YEAR	Storage	0	Acres Feet	O. R. WATKINS	Hydrographer	Dam Tender	Gage Hts. copied	J.H.	HRW
Max. Peak Inf.	8.2	C. F. S. from	11:00 P.M.	on 12/1/52	to	11:30 P.M.	on 12/1/52	F. E. STUNDEN	Hydrographer	Storage applied	J.H.	HRW	
Max. Peak Outf.	0	C. F. S. from	on	to	on	on		F. E. STUNDEN	Hydrographer	Inf. & Outf. comp.	J.H.	HRW	

REMARKS () INDICATES PERCOLATION LOSSES.

F. C. Dist. Form 88A Revised 5/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam													Continuous Water Stage Recorder <u>H. C. F.</u>			
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>52</u>													Gage Heights Read at various times			
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u>																
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow
1	0	0	0	0	0	0	0	0	6.8	1.9	3.2	2.2	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0.4	1.4	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	7.3	3.1	2.3	0.7	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	3.0	4.6	4.7	0.5	0.4	0.1
6	0	0	0	0	0	0	0	0	0	0	0	0	5.3	0.6	0.2	0.1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	1.3
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.8
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	7.3	3.1	1.9	0.3	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	3.8	5.4	7.8	6.2	11.9	8.8
12	0	0	0	0	0	0	0	0	0	0	0	0	4.9	0.5	11.0	13.8
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
14	0	0	0	0	0	0	0	0	0	0	0	0	7.0	2.1	14.7	13.6
15	0	0	0	0	0	0	0	0	0	0	0	0	7.9	7.0	50.4	48.0
16	0	0	0	0	0	0	0	0	0	0	0	0	11.6	65.3	52.8	23.4
17	0	0	0	0	0	0	0	0	0	0	0	0	12.6	82.3	57.9	49.3
18	0	0	0	0	0	0	0	0	4.6	0.4	9.8	9.6	4.5	0.4	3.8	4.5
19	0	0	0	0	7.7	5.4	5.3	2.6	0	0	0	0	0	0	0.5	0.7
20	0	0	0	0	4.9	0.5	9.6	12.0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0
22	0	0	0	0	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	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	7.3	3.1	2.1	0.5
25	0	0	1.7	1.7	0	0	0	0	0	0	0	0	3.6	0.1	3.4	3.0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	8.6	16.0	36.8	28.7	0	0	0	0
29	0	0	0	0	0	0	0	0	5.4	0.8	21.0	28.7	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0.2	0.6	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		1.7	1.7				14.9	14.9			82.4	82.4			247.0	247.1
Inf. Ac. Ft.		3.4					29.6				163.0				490.0	686.0
Outf. Ac. Ft.		5.4					29.6				163.0				490.0	686.0
Max. Daily Inflow		1.7					9.6				36.8				57.9	57.9
Min. Daily Inflow		0					0				0				0	0
Storage Change		0					0				0				0	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	16.58	feet	on	1/18/52	Storage	152.8	Acres Feet		RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	okd.	Date
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet			E. S. BONADIMAN	Hydrographer	Gage Hts. copied	APK	HRW
Max. Peak Inf.	427	C. F. S. from	1:50 A.M.	on	1/16/52	to	2:45 A.M.	on	1/16/52		Hydrographer	Storage applied	APK	HRW
Max. Peak Outf.	55.5	C. F. S. from	7:00 P.M.	on	1/18/52	to	MIDNITE	on	1/18/52		Hydrographer	Inf. & Outf. comp.	J.H.	HRW

REMARKS: OUTFLOW FROM PUMP PERFORMANCE, VENTURI METER CHARTS AND STORAGE CHANGES.

F. C. Dist. Form 88B Revised 5/6 11/54

DAM OPERATION RECORD																
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam													Continuous Water Stage Recorder <u>H. C. F.</u>			
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>52</u>													Gage Heights Read at various times			
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u>																
Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow	Gage Height	Acres Ft. Storage	C. F. S. Inflow	C. F. S. Outflow
1	0	0	0	0	0	0	1.8	1.8	0	0	0	0	0	0	0	0
2	0	0	0	0	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	0	0	0	0
4	0	0	0	0	0	0	0.2	0.2	0	0	0	0	0	0	0	0
5	0	0	0	0	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	0	0	0	0
7	0	0	0	0	5.7	1.0	0.5	0	0	0	0.9	0.9	0	0	0	0
8	0	0	0	0	5.4	0.8	4.2	4.2	0	0	0.8	0.8	0	0	0	0
9	0	0	0	0	0	0	5.6	6.0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	3.9	0.2	2.4	2.3	4.1	0.3	10.7	10.5	0	0	0	0
12	0	0	0	0	0	0	0.2	0.3	0	0	0.2	0.4	0	0	0	0
13	0	0	0	0	4.5	0.4	1.3	1.1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	9.0	22.4	4.1	3.0	0	0	0	0	0	0	0	0
17	0	0	0	0	4.2	0.3	8.4	1.9	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	2.7	2.7	0	0	0.9	0.9	0	0	0	0
20	0	0	0	0	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	0	0	0	0
22	0	0	0	0	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	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	4.3	0.3	4.5	4.3	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0.2	0.4	0	0	0	0
27	0	0	0	0	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	0	0	0	0
29	0	0	2.8	2.8	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL			2.8	2.8			106.8	106.8			18.2	18.2			0	0
Inf. Ac. Ft.		5.6					211.6				36.1				0	939.5
Outf. Ac. Ft.		5.6					211.6				36.1				0	939.5
Max. Daily Inflow		2.8					4.2				10.7				5.9	5.9
Min. Daily Inflow		0					0				0				0	0
Storage Change		0					0				0				0	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	16.58	feet	on	1/18/52	Storage	152.8	Acres Feet		RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	okd.	Date
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet			E. S. BONADIMAN	Hydrographer	Gage Hts. copied	APK	HRW
Max. Peak Inf.	427	C. F. S. from	1:50 A.M.	on	1/16/52	to	2:45 A.M.	on	1/16/52		Hydrographer	Storage applied	APK	HRW
Max. Peak Outf.	55.5	C. F. S. from	7:00 P.M.	on	1/18/52	to	MIDNITE	on	1/18/52		Hydrographer	Inf. & Outf. comp.	J.H.	HRW

REMARKS: OUTFLOW FROM PUMP PERFORMANCE, VENTURI METER CHARTS AND STORAGE CHANGES.

P. O. Dist. Form 880 Revised 10/1/44

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam																		
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>52</u> Continuous Water Stage Recorder <u>J.C.F.E.</u>																		
Gage Heights Read at various times																		
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20															0.2	0.2		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
TOTAL																	0.2	0.2
Inf. Ac. Ft.																	0.4	0.4
Outf. Ac. Ft.																	0.4	0.4
Max. Daily Inflow																	0.2	0.2
Min. Daily Inflow																	0	0
Max. Daily Outflow																	0	0
Min. Daily Outflow																	0	0
Storage Change																	0	0
NOTE: Gage Heights and Storage as of Midnight on Day Shown																		
Max. W. S. Elev.	16.58	feet	on	1/18/52	Storage	152.8	Acres Feet	RECORDS COLLECTED BY				COMPUTATIONS				chk.	Date	
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet	J. C. VIDMAR				Gage Hts. copied				JHL	HRW	
Max. Peak Inf.	427	C.F.S. from	1:50 A.M.	on	1/16/52	to	2:45 A.M.	E. S. BONADIMAN				Hydrographer				JHL	HRW	
Max. Peak Outf.	55.5	C.F.S. from	7:00 P.M.	on	1/18/52	to	MIDNITE	on				1/18/52				JHL	HRW	
REMARKS																		
OUTFLOW FROM PUMP PERFORMANCE, VENTURI METER CHARTS AND STORAGE CHANGES.																		

P. O. Dist. Form 88A Revised 10/1/44

DAM OPERATION RECORD																		
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																		
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam																		
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>52</u>																		
Drainage Area <u>3.5</u> Square Miles Capacity of Reservoir <u>169.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>52</u> Survey Continuous Water Stage Recorder <u>HCF</u>																		
Gage Heights Read at various times																		
Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day	
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow		
1									9.4	28.9	26.5	11.9						
2									4.3	0.3	3.2	17.6						
3																		
4																		
5																		
6																		
7													6.5	1.6	9.2	8.4		
8													4.5	0.4	2.8	3.4		
9															4.4	4.6		
10																		
11																		
12																		
13													4.2	0.3	5.8	5.5		
14																		
15					9.3	27.2	38.5	24.8									0.2	
16					4.2	0.3	6.1	19.8										
17																		
18																		
19																		
20									3.6	0.1	16.5	16.4						
21									4.1	0.2								
22					9.2	25.6	21.9	9.0										
23					3.7	0.2	3.5	16.3										
24					4.1	0.2												
25																		
26																		
27																		
28									4.6	0.4	23.8	23.2						
29					7.3	3.1	2.1	0.5										
30							1.8	3.4	4.2	0.3	9.2	9.0						
31																		
TOTAL							77.1	77.1			85.6	85.6					22.2	22.2
Inf. Ac. Ft.							152.9				169.8						44.0	366.7
Outf. Ac. Ft.							152.9				169.8						44.0	366.7
Max. Daily Inflow							38.5				26.5	16.9					44.0	366.7
Min. Daily Inflow							0				0	0					0	38.5
Max. Daily Outflow							0				0	0					0	0
Min. Daily Outflow							0				0	0					0	0
Storage Change							0				0	0					0	0
NOTE: Gage Heights and Storage as of Midnight on Day Shown																		
Max. W. S. Elev.	10.35	feet	on	11/15/52	Storage	44.4	Acres Feet	RECORDS COLLECTED BY				COMPUTATIONS				chk.	Date	
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet	J. C. VIDMAR				Gage Hts. copied				JHL	HRW	
Max. Peak Inf.	490	C.F.S. from	10:05 A.M.	on	11/15/52	to	10:35 A.M.	on				11/15/52				JHL	HRW	
Max. Peak Outf.	54	C.F.S. from	5:45 P.M.	on	12/30/52	to	6:30 P.M.	on				12/30/52				JHL	HRW	
REMARKS																		
OUTFLOW FROM VENTURI METER CHARTS, PUMP PERFORMANCE AND STORAGE CHANGES.																		

F. C. Dist. Form 802 Revised 3-60 11/54

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam												Continuous Water Stage Recorder <u>HCF</u>					
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>53</u>												Gage Heights Read at various times					
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																	
Day	FEBRUARY				MARCH				APRIL				MAY				Year
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1			0	0	3.5	0.1	3.5	3.4			0	0			0	0	1
2			0	0			0.3	0.4			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	6.3	1.4	0.7	1.0	4.6	0.4	9.2	9.0			0	0	19
20			0	0			0.3	1.0			1.3	1.5			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23	6.3	1.4	2.2	1.5			0	0			0	0			0	0	23
24			0	0			0.7	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	4.5	0.4	7.0	6.8			0	0	27
28			0	0			0	0			0.2	0.4			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0	5.8	1.0	0.7	0.2			0	0	30
31			0	0			0	0			0	0.5			0	0	31
TOTAL			2.3	2.2			4.6	4.8			18.4	18.4			0.1	0.1	
Infl. Ac. Ft.			4.4				9.5				36.5				0.2		41.7.5
Outfl. Ac. Ft.				4.4				9.5				36.5			0.2		41.7.5
Maximum			2.2				3.5				9.2				0.1		38.5
Mean Daily Inflow			0				0				0				0		0
Mean Daily Outflow			0				0				0				0		0
Storage Change			0				0				0				0		0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

Max. W. S. Elev.	10.35	feet	on	11/15/52	Storage	44.4	Acres Feet	RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet	E. S. BONADIMAN	Hydrographer	Storage applied	JHL	HW	
Max. Peak Infl.	490.	C.F.S. from	10:05 A.M.	on	11/15/52	to	10:35 A.M.	on	11/15/52	Hydrographer	Storage applied	JHL	HW
Max. Peak Outfl.	54.	C.F.S. from	5:45 P.M.	on	12/30/52	to	6:30 P.M.	on	12/30/52	Hydrographer	Inf. & Outfl. comp.	JHL	HW

REMARKS: OUTFLOW FROM VENTURI METER CHARTS, PUMP PERFORMANCE AND STORAGE CHANGES.

F. C. Dist. Form 802 Revised 3-60 11/54

DAM OPERATION RECORD																	
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT HYDRAULIC DIVISION																	
Daily Gage Height in feet and Operation Record of <u>HAMILTON BOWL</u> Dam												Continuous Water Stage Recorder <u>HCF</u>					
In <u>Long Beach, California</u> for the Year Ending September 30, 19 <u>53</u>												Gage Heights Read at various times					
Drainage Area <u>3.5</u> Square Miles. Capacity of Reservoir <u>160.4</u> Ac. Ft. at Spillway Elev. <u>17.0</u> Ft. as of <u>July</u> 19 <u>47</u> Survey																	
Day	JUNE				JULY				AUGUST				SEPTEMBER				Year
	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	Gage Height	Acres Ft. Storage	C.F.S. Inflow	C.F.S. Outflow	
1																	1
2																	2
3																	3
4																	4
5																	5
6																	6
7																	7
8																	8
9																	9
10																	10
11																	11
12																	12
13																	13
14																	14
15																	15
16																	16
17																	17
18																	18
19																	19
20																	20
21																	21
22																	22
23																	23
24																	24
25																	25
26																	26
27																	27
28																	28
29																	29
30																	30
31																	31
TOTAL																	
Infl. Ac. Ft.																	41.7.5
Outfl. Ac. Ft.																	41.7.5
Maximum																	38.5
Mean Daily Inflow																	0
Mean Daily Outflow																	0
Storage Change																	0

NOTE: Gage Heights and Storage as of Midnight on Day Shown

No Operations During This Period.

Max. W. S. Elev.	10.35	feet	on	11/15/52	Storage	44.4	Acres Feet	RECORDS COLLECTED BY	J. C. VIDMAR	Dam Tender	COMPUTATIONS	chkd.	Date
Min. W. S. Elev.	DRY	feet	on	MOST OF YEAR	Storage	0	Acres Feet	E. S. BONADIMAN	Hydrographer	Storage applied	JHL	HW	
Max. Peak Infl.	490.	C.F.S. from	10:05 A.M.	on	11/15/52	to	10:35 A.M.	on	11/15/52	Hydrographer	Storage applied	JHL	HW
Max. Peak Outfl.	54.	C.F.S. from	5:45 P.M.	on	12/30/52	to	6:30 P.M.	on	12/30/52	Hydrographer	Inf. & Outfl. comp.	JHL	HW

REMARKS: OUTFLOW FROM VENTURI METER CHARTS, PUMP PERFORMANCE AND STORAGE CHANGES.

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PACOIMA DAM													
1928-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1109.	18.	201.
1929-30	1110.	N.D.	N.D.	965.			N.D.			N.D.	756.	40.	40.
1930-31	1082.	N.D.	N.D.	886.			N.D.			N.D.	754.	24.	137.
1931-32	8741.	N.D.	N.D.	8448.			N.D.			N.D.	3589.	33.	311.
1932-33	2160.	101.	0.	2119.			N.D.			N.D.	1523.	43.	353.
1933-34	3454.	N.D.	N.D.	3493.	1	1	914.	4	13	81.	2002.	48.	62.
1934-35	5589.	84.	0.	5556.			N.D.	5	16	92.	3061.	0.	0.
1935-36	3099.	86.	0.	3094.	2	12	248.	5	13	129.	2500.	0.	4.
1936-37	15737.	356.	0.	14210.	2	14	508.	2	18	250.	5118.	2.	1531.
1937-38	25878.	2360.	0.	26798.	3	2	8320.	3	3	2080.	6397.	0.	0.
1938-39	3525.	86.	0.	3080.	12	19	145.	1	20	68.	988.	0.	445.
1939-40	3209.	156.	0.	3133.	3	4	815.	3	5	430.	1998.	159.	521.
1940-41	25785.	536.	0.	25942.	3	4	815.	3	5	430.	4342.	232.	364.
1941-42	1920.	48.	0.05	2032.	12	29	85.	7	15	97.	1460.	95.	95.
1942-43	20698.	1246.	0.1	20407.	1	23	2851.	1	23	598.	2882.	0.	386.
1943-44	15004.	898.	0.4	15167.	2	22	1790.	3	2-3	326.	4818.	0.8	44.
1944-45	4866.	206.	0.4	4911.	2	2	494.	2	2	397.	1258.	0.	0.
1945-46	4600.	332.	0.	2905.	3	30	564.	2	5	241.	3524.	0.	1673.
1946-47	4356.	149.	0.	6029.	11	20	282.	1	7	237.	1697.	0.	0.
1947-48	369.	6.4	0.1	335.	4	29	12.	6	29	7.	267.	0.	17.8
1948-49	723.	10.5	0.1	740.	3	5	17.4	6	24	10.3	554.	0.4	0.8
1949-50	1063.	18.8	0.1	1019.	2	6	26.	4	11	231.	735.	0.8	44.
1950-51	142.	1.3	0.	69.3	4	29	2.4	9	30	5.9	156.	44.	117.
1951-52	16794.	681.2	0.	14325.	1	16	1290.	1	18	634.	3374.	24.7	2584.
1952-53	967.	8.5	0.	3500.	12	1	32.	11	17	163.	2584.	45.	51.5
BIG TUJUNGA DAM													
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	239.	43.	156.
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	4908.	156.	796.
1932-33	4342.	218.	0.	4518.			N.D.			N.D.	3525.	337.	622.
1933-34	4441.	994.	0.	4234.	1	1	2430.	1	20	35.	4510.	167.	829.
1934-35	11992.	380.	0.	10698.	4	8	718.	4	8	540.	6249.	646.	2122.
1935-36	3675.	131.	0.	5509.	2	12	312.	2	17	52.	2661.	189.	488.
1936-37	26989.	803.	0.6	25729.	2	6	1740.	2	15-19	366.	6266.	188.	1728.
1937-38	6485.	1209.	1.0	65022.	3	2	32940.	3	2	3260.	7719.	0.	0.
1938-39	9905.	327.	1.2	9105.	12	19	656.	12	23	424.	2343.	0.	800.
1939-40	7058.	337.	0.4	7197.	3	8	2302.	1	8	2277.	0.	0.	717.
1940-41	59402.	1200.	0.9	59086.	3	4	1570.	2	21	1560.±	2313.	+	1033.
1941-42	7120.	71.	0.8	7724.	12	10	134.	12	30	47.	2131.	115.	428.
1942-43	52877.	5695.	1.1	52919.	1	23	17850.	1	23	17670.	5321.	0.	0.
1943-44	42270.	2779.	5.0	41722.	2	22	4770.	2	22	3310.	2485.	0.	548.
1944-45	13206.	475.	1.2	12231.	11	11	1847.	11	13	300.	3034.	503.	1523.
1945-46	11543.	1154.	0.8	12383.	3	30	2313.	3	30	983.	4098.	503.	680.
1946-47	12897.	574.	0.9	12827.	11	13	1690.	12	28	501.	1746.	423.	840.
1947-48	2579.	44.	0.7	3179.	4	29	85.	7	15	34.	1540.	0.	0.
1948-49	2129.	16.	0.1	1645.	3	11	18.	8	30	4.5	1291.	0.	484.
1949-50	2029.	32.	0.2	1905.	2	6	43.	7	7	5.4	1556.	165.	609.
1950-51	841.	7.7	0.1	1235.	4	29	17.	8	22	15.	653.	141.	214.
1951-52	27288.	896.	0.3	26125.	1	18	2030.	1	18	1800.	4220.	52.	1377.
1952-53	3496.	35.	0.1	4873.	11	15	108.	9	22	82.	1519.	0.	0.
NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.													
DEVIL'S GATE DAM													
SOME STORAGE RECORDS AVAILABLE AT CITY OF PASADENA WATER DEPARTMENT.													
1921-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	196.	0.	0.
1929-30	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	155.	0.	0.
1930-31	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1715.	0.	0.
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	1048.	0.	0.
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	2310.	0.	0.
1933-34	2938.	757.	0.	0.	1	1	3310.			0.	1128.	0.	26.
1934-35	3843.	N.D.	0.	0.	10	17	1310.			0.	1450.	2.	56.
1935-36	3457.	N.D.	0.	86.			N.D.	7	2	12.	198.	0.	156.
1936-37	12030.	340.	0.	2818.	2	8	852.	2	18	12.	3310.	0.	331.
1937-38	25439.	3720.	0.	17498.	3	2	10840.	3	2	6440.	5488.	0.	488.
1938-39	3044.	200.	0.	834.	12	19	201.	12	20	82.	780.	0.	0.
1939-40	1350.	142.	0.	748.	1	8	859.	2	21	74.	959.	0.	0.
1940-41	27013.	1380.	0.	24582.	2	20	3870.	2	20	3120.	1762.	4.0	531.
1941-42	899.	91.	0.	443.	12	10	479.	12	8	27.	378.	0.5	4.0
1942-43	25855.	2559.	0.	23552.	1	23	7740.	1	23	5530.	2368.	0.	58.
1943-44	8880.	1454.	0.	7805.	2	22	2310.	2	22	1530.	1623.	0.	0.
1944-45	2341.	288.	0.	2031.	11	11	949.	3	15	434.	730.	0.	0.
1945-48	2994.	436.	0.	1343.	12	22	1040.	12	23	389.	1341.	0.	72.
1946-47	4045.	285.	0.	3949.	12	25	1280.	12	27	810.	891.	0.	0.
1947-48	280.	32.	0.	57.	3	24	444.	4	5	1.9	101.	0.	0.
1948-49	185.	14.	0.	37.	3	10	59.	6	3	1.3	90.	0.	0.
1949-50	318.	37.	0.	81.	2	6	237.	11	10	99.	138.	0.	POOL
1950-51	171.	18.	0.	18.	1	11	468.	1	3	22.	82.	0.	0.
1951-52	11808.	792.	0.	11377.	1	18	2650.	1	18	999.	1122.	0.	0.
1952-53	583.	51.	0.	194.	11	15	823.	1	7	25.	258.	0.	0.
NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.													
EATON WASH DAM													
1936-37	3062.	112.	0.	1502.			N.D.	2	VAR TIMES	40.	813.	0.	0.
1937-38	6993.	883.	0.	5213.	3	2	2870.	3	2	2700.	983.	0.	0.
1938-39	340.	51.	0.	84.	12	18	189.	12	19	29.	112.	0.	0.
1939-40	390.	31.	0.	96.	1	8	220.	10	8	13.	149.	0.	0.
1940-41	7323.	188.	0.	6089.	2	20	428.	2	20	256.	432.	0.	0.1
1941-42	795.	11.	0.	0.	12	10	0.			0.	47.	0.	0.
1942-43	7212.	498.	0.	6399.	1	23	1700.	1	23	1100.	843.	0.	0.
1943-44	2901.	265.	0.	1870.	2	22	371.	3	14	288.	398.	0.	0.
1944-45	331.	52.	0.	101.	11	11	204.	2	2	26.	107.	0.	0.
1945-46	514.	77.	0.	285.	12	23	284.	12	22	121.	174.	0.	0.
1946-47	746.	74.	0.	507.	11	13	286.	12	26	86.	211.	0.	0.
1947-48	64.	11.	0.	5.0	4	28	90.	12	4	9.0	39.	0.	0.8
1948-49	38.	4.7	0.	1.2	1	20	9.9	12	18	0.3	7.1	0.	0.
1949-50	188.	23.	0.	81.	12	18	86.	11	14	62.	13.	0.	0.
1950-51	44	3.8	0.	7.5	1	11	80.	5	3	3.9	3.	0.	0.
1951-52	2636.	151.	0.	2020.	1	16	495.	1	18	204.	381.	0.	0.
1952-53	145.	18.	0.	0.	12	1	225.			0.	57.	0.	0.
NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.													

LEGEND

N.D. NOT DETERMINED
 * STORAGE CORRECTED FOR DEBRIS LOSS
 ± 0.05 C.F.S. OR LESS

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.			
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30	
DIE SANTA ANITA DAM														
1926-27°	1208°	13.	0.4	1030.°			N.D.			N.D.	668.	147.	312.	
1927-28	1009.	22.	0.1	1162.			N.D.			N.D.	244.	0	97.	
1928-29	1214.	30.	0	1256.			N.D.			N.D.	630.	11.	84.	
1929-30	1276.	25.	0.1	964.			N.D.			N.D.	711.	9.	302.	
1930-31	989.	34.	0	1155.			N.D.			N.D.	316.	25.	87.	
1931-32	4010.	236.	0.1	3893.			N.D.		12	28	112.	614.	20.	130.
1932-33	2190	152.	0	2022.	1	19	390.	1	22	34.	305.	58.	414.	
1933-34	2603.	322.	0	2622.	1	1	800±	1	1	400.	695.	54.	231.	
1934-35	3693.	92.	0.1	3588.	4	8	449.	4	8	146.	763.	18.	340.	
1935-36	2480.	84.	0	2535.	2	12	228.	2	17-19	52.	686.	33.	* 265.	
1936-37	8799.	192.	0	8616.	2	6	313.	2	14-15	140.	1022.	108.	* 448.	
1937-38	16594.	1780.	1.3	16689.	3	2	5140.	3	2	5070.	1202.	0	* 0	
1938-39	2726.	74.	0.4	2461.	12	19	159.	9	26	50.	435.	0	* 285.	
1939-40	2743.	62.	0.4	2664.	1	8	378.	2	4	73.	573.	0	* 312.	
1940-41	1525.	25.	0.4	15225.	4	3	4	300±	VARIOUS	TIMES	260.	512.	0	* 302.
1941-42	2070.	25.	0.6	2140.	12	29	53.	12	29	31.	571.	209.	232.	
1942-43	19371.	1113.	0.6	19440.	1	23	3100.	1	23	3060.	717.	0	0	
1943-44	7463	514.	1.3	7294.	2	22	813.	2	22	573	540.	0	169.	
1944-45	4147.	101.	1.1	4133.	11	11	303	VARIOUS	TIMES	260±	650.	7.6	184.	
1945-46	3426.	164.	0.8	3360.	12	23	492.	12	22	298.	673.	124.	250.	
1946-47	4489.	122.	0.7	4462.	11	20	382.	12	26	203.	439.	0	277.	
1947-48	1075	14.	0.3	1243.	4	28	41.	2	5	5.2	413.	109.	109.	
1948-49	1031.	17.	0.2	983.	1	20	32.	1	20	10.	348.	65.	157.	
1949-50	1357.	30.	0.2	1311.	12	18	115.	12	19	25.	383.	123.	204.	
1950-51	460.	4.5	0.1	497.	1	11	9.7	4	24	56.	256.	89.	167.	
1951-52	8408	351.	0.1	8232.	1	16	837.	1	16	478.	483.	0	282.	
1952-53	1562.	20.	0.5	1729.	12	1	153.	11	30	39.	344.	115.	115.	

° RECORD BEGINS 3/31/27

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

SAMPIT DAM													
1927-28°	26.°	N.D.	0	36.°			N.D.			N.D.	66.	N.D.	27.
1928-29**	96.**	5.3	0	108.**			N.D.			N.D.	91.	0	16.
1929-30**	219.**	8.0	0	209.**			N.D.		9	30	3.1	195.	0
1930-31**	97.**	3.9	0	68.**			N.D.		5	16	3.0	87.	0
1931-32	710.	56.	0	726.	2	9	76.	2	17	16.	234.	12.	12.
1932-33	184.	8.6	0	185.			N.D.		1	27	7.0	112.	0
1933-34	468.	106.	0	457.	1	1	240.	1	1	136.	156.	0	0
1934-35	546.	36.	0	540.	4	8	168.	12	15	25.	146.	0	0
1935-36	574.	22.	0	574.	2	11	72.	2	15.	22.	91.	0	0
1936-37	1434.	36.	0	1401.			N.D.		2	14	34.	93.	0
1937-38	2909.	384.	0	2868.	3	2	1070.	3	2	665.	447.	0	0
1938-39	232.	17.	0	170.			N.D.		9	25	16.	61.	0
1939-40	264.	11.	0	308.	1	8	39.	1	7	20.	62.	15.	15.
1940-41	2180.	63.	0	2195.	3	4	109.	3	5	59.	114.	0	0
1941-42	107	3.7	0	39.	12	29	4.8	3	14	2.5	75.	0	69.
1942-43	2966.	162.	0	2950.	1	23	520.	1	23	284.	300.	0	58.
1943-44	747.	73.	0	743.	2	22	138.	2	22	70.	133.	0.2	62.
1944-45	316.	16.	0	319.	11	11	59.	11	12	18.	65.	16.	59.
1945-46	254.	24.	0	250.	12	23	85.	12	23	36.	78.	8.6	58.
1946-47	362.	23.	0	361.	11	20	77.	12	26	26.	66.	1.6	47.
1947-48	23.	0.3	0	5.1	4	28	2.9	5	14	0.1	63.	45.	58.
1948-49	42.	0.4	0	32.	3	10	0.9	2	9	18.	63.	48.	56.
1949-50	86.	2.1	0	77.	12.	18	7.9	6	30	2.6	63.	55.	56.
1950-51	32.	0.8	0	32.	1	11	2.4	1	15	46.	56.	23.	46.
1951-52	1112.	60.	0	1092.	1	16	226.	1	16	46.	120.	38.	62.
1952-53	88.	3.2	0	82.	12	1	34.	11	24	26.	63.	0	57.

° RECORD BEGINS 3/5/28

**RECORDS INCOMPLETE FOR YEAR

COGSWELL DAM (formerly San Gabriel Dam No. 2)													
1934-35°	3517.°	54.	0.1	3517.°			N.D.		4	14	55.	780.	0
1935-36	7154.	265.	0	7138.			N.D.		2	17	43.	2665.	0
1936-37	32986	943.	0.1	32986.	2	14	1240.	2	14	782.	10811.	0	5.
1937-38	60338	7930.	1.4	58799.	3	2	24710.	3	2	23430.	14091.	0	* 16.
1938-39	11560.	873.	0.9	11369.	9	25	1360.	9	25	1160.	2141.	0	20.
1939-40	9634.	309.	0.8	9569.	1	8	2020.	1	15	1240.	1541.	0	* 3.
1940-41	61270.	1400.	0.5	59951	2	20	1640.	2	20	1160.	9847.	2.7	* 1321.
1941-42	6080.	108.	0.3	7331.	12	10	294.	11	1	90.	1252.	1.4	1.4
1942-43	54700	4316.	0.7	53703.	1	23	15000.	1	23	7100.	8383.	0	0
1943-44	38150.	2865.	1.4	37460.	2	22	4650.	2	22	1160.	9031.	0	424.
1944-45	11887.	424.	1.4	10385.	11	11	1800.	10	31	420.	3378.	0	1719.
1945-46	14711.	1235.	0.8	16377.	3	30	2790.	3	30	810.	1952.	0	6.3
1946-47	20135.	1032.	0.1	20135.	12	25.	2290.	1	6	1300.	2853.	0	0
1947-48	3103.	86.	0.3	3032.	4	29	262.	2	5	28.	439.	0	47.
1948-49	2911.	32.	0.3	2765.	1	20	65.	7	21	19.	2215.	47.	64.
1949-50	3778.	99.	0.4	3536.	12	18	239.	3	2	84.	2785.	64.	127.
1950-51	887.	9.6	0.3	568.	4	29	24.	9	6	14.	627.	49.	353.
1951-52	33783.	1263.	0.3	25439.	1	16	2640.	1	18	1940.	10671.	75.	8111.
1952-53	4410.	70.	0.8	12345.	12	1	254.	1	9	328.	8111.	23.	31.

° RECORD BEGINS 4/18/35

SAN GABRIEL DAM													
1937-38°	339155.°	30720.	37.	332893.°	3	2	89320.	3	2	56700.	58600.	0	* 53.
1938-39	67231.	1330.	23.	61655.	12	19	2780.	5	11	3050.	5793.	48.	* 5793.
1939-40	58554.	757.	18.	63386.	1	8	2270.	4	16	4200.	12146.	349.	* 373.
1940-41	306801.	3940.	20.	305515.	2	20	5780.	3	3	6300.	43366.	248.	248.
1941-42	50285.	297.	20.	49759.	12	29	468.	11	7	3890.	6661.	224.	268.
1942-43	271286.	17180.	20.	267085.	1	23	46000.	1	23	10360.	31345.	236.	964.
1943-44	184923.	5708.	43.	184822.	2	22	9850.	5	20	4970.	32980.	SUMP ONLY	SUMP ONLY
1944-45	9196	1300.	28.	90131.	11	11	6440.	3	26	9100.	23055.	SUMP ONLY	973.
1945-46	99531.	2984.	28.	89502.	12	21	5760.	4	4	9200.	30395.	336.	* 8739.
1946-47	107688.	3337.	18.	104088.	12	26	6520.	12	28	7670.	11970.	2003.	11970.
1947-48	29259.	257.	9.9	37794.	4	29	506.	12	12	2660.	12342.	1703.	1703.
1948-49	24728.	94.	11.	21546.	1	20	120.	6	2	3780.	9191.	267.	4026.
1949-50	27797.	266.	9.5	27736.	12	19	448.	12	5	3150.	6925.	1068.	3196.
1950-51	10169.	54.	3.0	13002.	1	11	174.	4	20	211.	3196.	0	0
1951-52	159048.	3339.	3.9	118918.	1	16	6130.	1	16	5200.	41282.	0	38209.
1952-53	41270	375.	7.5	77961.	12	1	544.	12	22	6260.	38209.	0	184.

° RECORD BEGINS 11/17/37

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
BIG DALTON DAM													
1929-30	52.	3.2	1.8	52.			N.D.	4	29	1.8	39.	0	0
1930-31	41.	2.0	0	41.	4	26	3.0	3	11	16.	26.	0	0
1931-32	690.	54.	0	688.	2	9	86.	2	11	134.	281.	0	2.
1932-33	79.			81.	1	20	12.	9	22	4.0	83.	0	0
1933-34	448.	93.	0	448.	4	8	49.	9	18	9.5	319.	0	0
1934-35	593.	21.	0	575.	4	8	49.	9	23	4.0	377.	0	0
1935-36	380.	12.	0	369.	2	11	72.	7	29	3.8	353.	7.	19.
1936-37	1879.	51.	0	1868.	2	6	98.	2	16	20.	1007.	8.	20.
1937-38	3271.	415.	0	3192.	3	2	1320.	3	2	739.	1021.	9.	16.
1938-39	280.	4.3	0	288.	1	5	26.	7	8	2.7	272.	4.	9.
1939-40	232.	4.	0	237.	1	8	29.	9	11	2.7	230.	4.	4.
1940-41	2767.	56.	+	2746.	3	4	88.	3	5	85.	971.	4.	24.
1941-42	209.	2.3	0.05	233.	3	14	6.0	3	11	N.D.	153.	0	0
1942-43	3143.	160.	0.1	3110.	1	23	595.	3	4-6	111.	760.	0	13.
1943-44	1087	109.	0.05	1085.	2	22	228.	2	23	55.	603.	13.	15.
1944-45	734.	19.	0	729.	11	11	47.	8	27	3.9	706.	15.	20.
1945-46	525.	40.	0	509.	12	23	148.	8	3-5	3.0	547.	20.	36.
1946-47	492.	16.	0	512.	11	20	56.	12	30	12.	358.	14.	16.
1947-48	58.	0.7	0	7.7	4	28	9.7	12	22	9.9	66.	13.	64.
1948-49	94.	0.8	0	113.	12	17	3.3	9	15	7.9	119.	20.	23.
1949-50	142.	2.0	0	130.	2	6	3.5	1	21	10.8	90.	4.	19.
1950-51	27.	0.1	0.01	14.	1	11	4.8	7	9	2.2	34.	19.	22.
1951-52	1626.	73.	0	1577.	1	16	154.	1	19	33.	621.	22.	33.
1952-53	120.	1.4	0.02	66.	12	1	4.8	1	7	31.	71.	0.1	69.

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
SAN DIMAS DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	249.	0	0
1928-29	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	486.	0	9.0
1929-30	591.	26.	0	573.			N.D.			N.D.	535.	0	27.
1930-31	485.	23.	0	466.			N.D.			N.D.	217.	21.	46.
1931-32	2502.	162.	0	2496.			N.D.			N.D.	775.	25.	51.
1932-33	652.	50.	0	648.			N.D.	2	10	69.	269.	21.	56.
1933-34	1351.	229.	0	1357.	1	1	442.	1	4	120.	500.	39.	50.
1934-35	1753.	60.	0	1682.	4	8	145.	VAR.	TIMES	14.	1184.	48.	121.
1935-36	1094.	35.	0	1136.	2	11	155.	4	10	135.	696.	32.	32.
1936-37	5316.	154.	0	6126.	2	11	296.	2	7	127.	1301.	27.	222.
1937-38	12492.	1600.	0.4	12494.	3	2	4320.	3	2	4690.	1704.	0	0
1938-39	2165.	43.	0.2	2024.	1	5	81.	12	19	24.	560.	0	141.
1939-40	1532.	60.	0	1600.	1	8	302.	2	4	36.	778.	23.	68.
1940-41	9645.	131.	0.1	9240.	3	4	235.	VAR.	TIMES	145.	1171.	13.	473.
1941-42	1603.	16.	0.2	1855.	12	10	29.	12	12	23.	625.	173.	173.
1942-43	9271.	573.	0.5	9095.	1	23	1700.	1	23	1230.	1153.	58.	276.
1943-44	5348.	398.	0.1	5423.	2	22	785.	2	22	555.	1043.	78.	173.
1944-45	3747	97.	0.9	3811.	11	11	375.	12	3	51.	1042.	36.	109.
1945-46	2560.	149.	0.1	2368.	12	23	519.	12	23	154.	845.	74.	302.
1946-47	2705.	100.	0.1	2982.	11	20	340.	11	20	60.	587.	17.	25.
1947-48	720.	10.	0	706.	2	5	15.	8	4	4.7	590.	25.	38.
1948-49	728.	11.	0.1	694.	1	20.	19.	1	22	5.3	498.	38.	72.
1949-50	734	25.	0.1	750.	12	18	65.	4	3	60.	500.	51.	56.
1950-51	300.	5.3	0.1	301.	4	29	16.	4	11	4.8	146.	49.	55.
1951-52	4864.	207.9	0.1	4593.	1	16	453.	3	16	252.	1032.	55.	326.
1952-53	822.	9.8	0.1	1082.	12	1	25.	3	17	6.1	488.	52.	55.

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PUDDINGSTONE DIVERSION DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	63.	0	0
1932-33	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1933-34	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	70.	0	0
1934-35	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	18.	0	0
1935-36	304.	48.	0	304.	4	10	85.	4	10	1400.	119.	0	0
1936-37	3434.	32.	0	3434.	3	27	N.D.	3	27	1680.	111.	0	0
1937-38	11194.	1620.	0	11125.	3	2	5760.	3	2	5780.	149.	0	8.
1938-39	1288.	28.	0	1293.	1	10	23.	12	19	30.	6.0	0	0
1939-40	350.	26.	0	155.	1	8	33.	2	4	25.	27.	0	0
1940-41	7213.	133.	0	6776.	3	14	155.	3	14	154.	30.	0	0
1941-42	341.	13.	0	203.	12	12	24.	12	29	10.	27.	0	0
1942-43	8593.	970.	0	7939.	1	23	2045.	1	23	2035.	78.	0	0
1943-44	3406.	357.	0	3010.	2	22	724.	2	22	724.	60.	0	0
1944-45	1719.	64.	0	1294.	2	2	89.	2	2	74.	54.	0	0
1945-46	970.	159.	0	773.	12	23	234.	12	23	223.	58.	0	0
1946-47	1400.	55.	0	1109.	12	26	58.	12	26	58.	52.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	0	0	0	0			0			0	0	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	3366.	158.	0	2910.	1	18	201.	3	16	208.	61.3	0	0
1952-53	0	0	0	0			0			0	0	0	0

NOTE: FLOW RECORDS PRIOR TO 1939-40 ARE NOT CORRECTED FOR PERCOLATION LOSSES.

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
PUDDINGSTONE DAM													
1927-28	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	437.	N.D.	211.
1928-29	114.	12.	0	151.			N.D.	10	10	2.0	274.	162.	178.
1929-30	295.	15.	0	223.			N.D.	9	11	4.5	431.	145.	250.
1930-31	73.	8.5	0	118.			N.D.	10	16	2.4	252	189.	204.
1931-32	1547.	162.	0	1086.			N.D.	VAR.	TIMES	9.5	1732.	182.	685.
1932-33	314.	30.	0	908.			N.D.	11	20	6.0	653.	70.	70.
1933-34	2669.	596.	0	1809.			N.D.	VAR.	TIMES	6.0	2688.	28.	884.
1934-35	610.	N.D.	N.D.	846.			205.	VAR.	TIMES	6.0	1283.	517.	517.
1935-36	703.	54.	0	969.	4	10	590.	12	26	5.3	843.	250.	250.
1936-37	5732.	303.	0	2173.	2	6	1480.	VAR.	TIMES	11.	5838.	147.	3808.
1937-38	12221.	2200.	0	7544.	3	2	5310.	3	18.	100.	12881.	3060.	8486.
1938-39	1576.	101.	0	1505.			N.D.	9	4-12	27.	8486.	4626.	4756.
1939-40	848.	54.	0	2524.			448.	6	19	11.	4758.	2108.	2108.
1940-41	12030.	377.	0	3308.	3	4	1084.	6	10	14.	12739.	1494.	9688.
1941-42	475.	30.	0	4385.	12	10	409.	12	2	91.	9688.	4612.	4612.
1942-43	10043.	1126.	0	4836.	1	23	2300.	3	4	287.	11271.	3925.	8920.
1943-44	3408.	525.	0	3179.	2	22	1030.	3	2	49.	9700.	7022.	7198.
1944-45													

YEARLY RESERVOIR OPERATION SUMMARY

YEAR	INFLOW			OUTFLOW ANNUAL A.F.	PEAK INFLOW			PEAK OUTFLOW			STORAGE A.F.		
	ANNUAL A.F.	MAX DAY C.F.S.	MIN DAY C.F.S.		MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
LIVE OAK DAM													
1931-32	N.D.	N.D.	N.D.	N.D.			N.D.			N.D.	115.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	N.D.	N.D.	N.D.	142.			N.D.	1	2	9.0	160.	0	0
1934-35	27.	2.3	0	9.5	4	8	16.	7	19	0.6	26.	0	0
1935-36	33.†	4.1	0	0			N.D.			0	33.	0	4.
1936-37	494.	35.	0	413.	2	6	139.	2	6	36.	97.	0	0
1937-38	800.	147.	0	785.	3	2	339.	3	2	200.	217.	0	0
1938-39	21.	1.	0	3.	3	2	11.	9	16	8.0	21.	0	0
1939-40	16.	1.2	0	1.	1	8	11.	5	31	10.	16.	0	0
1940-41	719.	39.	+	718.	3	4	90.	3	13	28.	139.	0	0
1941-42												0	0
1942-43	827.	78.	0	827.	1	22	170.	1	23	50.	170.	0	0
1943-44	218.	33.	0	218.	2	22	74.	2	22	20.	71.	0	0
1944-45	177.	9.	0	177.	2	2	67.	2	3	12.	53.	0	0
1945-46	105.	22.	0	89.	12	23	127.	12	25	2.1	68.	0	0
1946-47	84.	7.5	0	45.	11	20	25.	12	30	2.1	43.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	4.7	0.3	0	3.6	12	19	2.6	6	13	0.5	4.2	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	362.	34.	0	343.	1	16	148.	1	18	21.	64.	0	3.4
1952-53	2.0	0.05	0	3.2	12	1	0.8	10	9	0.4	3.4	0	0.1

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

THOMPSON CREEK													
YEAR	EST. 80.±	N.D.	N.D.	EST. 80.±	MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
1931-32		N.D.	N.D.		2	9	91.	2	8	5.0	62.	0	0
1932-33	0	0	0	0			0			0	0	0	0
1933-34	114.±	N.D.	N.D.	0			N.D.			0	112.	0	0
1934-35	1.±	N.D.	N.D.	0			0			0	1.	0	0
1935-36	1.±	N.D.	N.D.	0			N.D.			0	1.	0	0
1936-37	274.	24.	0	0			N.D.			0	204.	0	0
1937-38	1099.	259.	0	872.5	3	2	580.	3	3	120.	632.	0	4.
1938-39	21.	0.6	0	0	1	30	1.1			0	20.	0	0
1939-40	49.	4.5	0	0	1	7	25.			0	20.	0	0
1940-41	640.	46.	0	2.8	3	4	97.	3	14	4.2	329.	0	2.1
1941-42	0.3	0.05	0	0	12	10	0.5	3	14	E 1.0	2.1	0	0
1942-43	767.	121.	0	333.	1	23	270.	1	25	17.	360.	0	1.5
1943-44	286.	56.	0	0	2	22	111.			0	159.	0	0
1944-45	149.	18.	0	0	11	12	132.			0	83.	0	0
1945-46	148.	25.	0	0	12	23	120.			0	90.	0	0
1946-47	88.	15.	0	0	11	20	47.			0	39.	0	0
1947-48	0	0	0	0			0			0	0	0	0
1948-49	0	0	0	0			0			0	0	0	0
1949-50	6.2	1.6	0	0	12	19	4.5			0	3.9	0	0
1950-51	0	0	0	0			0			0	0	0	0
1951-52	314.	30.4	0	34.5	1	16	70.	3	17	4.9	127.	0	0
1952-53	12.	1.3	0	0	12	1	8.2			0	2.9	0	0

NOTE: OUTFLOWS DO NOT SHOW PERCOLATION LOSSES.

HAMILTON BOWL - LONG BEACH, CALIF.													
YEAR	N.D.	N.D.	N.D.	N.D.	MO	DAY	C.F.S.	MO	DAY	C.F.S.	MAXIMUM	MINIMUM	SEPT. 30
1936-37	N.D.	N.D.	N.D.	N.D.	3	2	N.D.				N.D.	0	0
1937-38	N.D.	177.	0	N.D.			528.	2	27	56.	250.	0	0
1938-39	880.	130.	0	880.	9	25	E 649.	9	25-26	64.	243.	0	0
1939-40	556.	49.	0	556.	1	23	798.	1	23-24	54.	84.	0	0
1940-41	1481.	74.	0	1481.	12	23	581.	3	3	57.	150.	0	0
1941-42	389.	36.	0	399.	3	14	182.	3	14	52.	22.	0	0
1942-43	548.	98.	0	548.	1	22	253.	1	24	56.	146.	0	0
1943-44	931.	164.	0	931.	2	22	1618.	3	2	70.	270.	0	0
1944-45	582.	53.	0	582.	11	11	391.	2	1	61.	49.	0	0
1945-46	473.	67.	0	473.	2	3	280.	12	23	70.	96.	0	0
1946-47	647.	136.	0	647.	11	12	652.	11	14	58.	237.	0	0
1947-48	232.	26.	0	232.	2	5	212.	2	5	54.	14.	0	0
1948-49	273.	25.	0	273.	12	17	238.	12	17	54.	29.	0	0
1949-50	400.	54.	0	400.	2	6	276.	2	6	54.	79.	0	0
1950-51	254.	28.	0	254.	1	29	201.	4	28	56.	21.	0	0
1951-52	940.	58.	0	940.	1	16	427.	1	18	56.	153.	0	0
1952-53	417.	38.	0	417.	11	15	490.	12	30	54.	44.	0	0

LEGEND

N.D. NOT DETERMINED
 * STORAGE CORRECTED FOR DEBRIS LOSS
 † = 0.05 C.F.S. OR LESS

**GROUND WATER
&
CONSERVATION**

GROUND WATER AND CONSERVATION

FOREWORD

Among the important functions and responsibilities of the District, as defined by the Los Angeles County Flood Control Act, is included the saving or conservation, in any manner, of all or any of the flood, storm, and other waste waters of the District. The need for the adoption of all possible measures to save and conserve such waters has been emphasized by the tremendous growth of Los Angeles County and accentuated by the current record drought period.

The recent extended 9-year period beginning with the 1944-45 season of deficient rainfall was interrupted only by the single wet season of 1951-52. The effect of this prolonged period of subnormal rainfall, coupled with the increasing overdraft in certain ground water basins, can be noted on the ground water maps and well hydrographs included in this report. Although seasonal recovery was noted in some of the basins, ground water levels in other basins are at their historical lows and are steadily declining. This drain on one of our most valuable resources, ground water storage, is particularly critical in the Coastal Ground Water Basins, where activation of local water conservation zones is contemplated.

Conservation has been directed to the replenishment of the ground water basins. To this end, the maximum use of channel absorption, spreading grounds, and the impounding of storm waters consistent with flood regulation, has been made.

The District is also engaged in, and cooperates with, other interested agencies in efforts to prevent the pollution, degradation, and contamination of underground waters by sewage, sea water encroachment and industrial wastes. An experimental program to stem sea water intrusion at Manhattan Beach and Hermosa Beach was initiated under contract arrangements with the State Water Resources Board. Installation of injection well and appurtenant project facilities was completed and recharge operations commenced. Experiments with the salvage of sewage treatment plant effluent, now being discharged to the ocean in excessive quantities, is contemplated in the near future.

A more detailed analysis of the District's water conservation activities is discussed under the following headings:

1. CONSERVATION
2. SPREADING GROUNDS
3. GROUND WATER POLLUTION
4. WEST COAST BASIN BARRIER TEST
5. CORRELATION OF WATER CONSERVATION WITH
FEDERAL FLOOD CONTROL IMPROVEMENTS
6. SEASONAL DATA AND MAPS
7. GROUND WATER BASINS
 - (a) San Fernando Valley
 - (b) San Gabriel Valley
 - (c) Coastal Plain
 - (d) Santa Clara River Valley
 - (e) Antelope Valley
8. RESPONSIBILITY

CONSERVATION

Water conservation envisions the saving of storm waters, much of which would otherwise waste to the ocean, primarily by percolation into ground water basins. Run-off originating in the mountains is impounded in surface reservoirs behind dams, to amounts consistent with flood regulation, and then released to percolate in stream beds and off-stream spreading grounds. In other cases, storm flows not controlled by dam releases are diverted from their channels to spreading grounds when feasible. During this biennial period 227,650 acre feet were conserved by reservoir and channel absorption and 124,040 acre feet by off channel spreading grounds. (Tables XV and XVII, pages 434 and 436.)

The lining of channels and the construction of storm drains tend to increase the flow of water to the ocean by impeding the natural stream percolation that would otherwise occur. Moreover, the vast industrial and residential expansion that has developed in Southern California, and which results in the increase of roofed and paved areas, means a reduction in the natural absorptive areas wherein percolation can take place. Studies of water conservation measures to offset these losses are continually being made. Currently, the District is investigating the proposed use of additional spreading grounds in connection with storm drains being constructed under the recent \$179,000,000 bond issue to construct comprehensive system of lined storm drains. Before a site can be acquired for spreading, it is necessary that studies be made of (1) geologic lithology and hydrologic characteristics of surface and underground water movements; (2) available storm quantities and economic evaluation of each proposal and (3) physical aspects including practicable methods of diverting storm drain flows and introducing the water into the ground.

On January 29, 1952, the Los Angeles County Flood Control District Zone I, within the Central Coastal Basin, was formed for the purpose of financing the acquisition of imported or reclaimed water, the conservation of which will be of special benefit to the zone; however, taxes for the zone were not levied by the Board of Supervisors so the zone was inoperative during the period of this report. Initial studies were also begun for a proposed water conservation zone within the West Coastal Basin.

SPREADING GROUNDS

Over 2300 acres of spreading grounds having a total capacity in excess of 1400 second-feet are operated by the District or in cooperation with local water interests. The value of spreading grounds for water conservation can be seen by noting that over 90,000 acre feet percolated to the ground water in the wet season of 1951-1952. Table XVII, page 436, gives a yearly summary of all water spread in Los Angeles County.

Continuing development is being carried on at various spreading grounds. In this connection, an important factor is the excavation and hauling of material from the spreading grounds for fill and other purposes by private operators at no cost to the Flood Control District. This work is done under permits from the District and is performed under the general supervision of the Conservation and Ground Water Section and under the field direction of the Operation and Maintenance Division. For the seasons covered by this report, a total of 406,000 cubic yards were removed by this method. Nearly 188,000 cubic yards of this total were excavated from the Rio Hondo

Coastal Basin Spreading Grounds. Permittees removed approximately 216,000 cubic yards from the San Gabriel Coastal Basin Spreading Grounds. With the addition of two new basins, the gross area of this spreading grounds was increased to 111 acres. Pacoima (San Fernando Valley) Spreading Grounds had some 2,000 cubic yards of material taken out by operators working under permit.

At the Hansen Spreading Grounds, during the 1951-52 season, temporary diversion installations were made in the new concrete channel. These were required because of the lack of completion of permanent gates in order to conserve as much as possible of the heavy runoff in that season. The permanent headworks and channel, including control gates and diversion, were completed in time for the following season.

GROUND WATER POLLUTION

Because of its interest and delegated duties in the field of water conservation, the District is vitally concerned with any waste disposal practices that tend to degrade the ground water resources of the area. Pollution, as herein defined, constitutes an impairment of water quality by sewage or industrial waste to a degree adversely affecting such waters for domestic, industrial, agricultural, recreational, or other beneficial uses. Contamination is considered to exist where the quality of ground waters is impaired by sewage or industrial waste to a degree creating an actual hazard to public health.

It is this District's policy to cooperate with other public agencies having mutual interests in problems relative to pollution and contamination, including State and local health departments, the Water Pollution Control Boards, City engineering departments, the State Division of Water Resources, State Department of Fish and Game, State Division of Oil and Gas, County Engineer, the Water and Power and Harbor Departments of the City of Los Angeles and the County Sanitation Districts. Representatives of this office attend various meetings called for the purpose of solving problems concerning proper disposal of industrial wastes. Geologic hydrologic, and water quality data on file with the District are made available to others and, in return, data supplied by other agencies are invaluable to the Conservation and Ground Water Section's work.

A ground water investigation of a portion of the reach of Dominguez Channel was initiated to determine existing pollution and to provide a basis for planning the channel improvements. A report will be prepared following completion of the study during the 1953-54 season.

WEST COAST BASIN BARRIER TEST

The West Coast Basin Barrier field experimental project was initiated in 1951 following a State legislative appropriation and subsequent contractual agreement between the State Water Resources Board and the Flood Control District. Within this biennial period, a total allocation of \$637,000 was made available to the District for this work.

Briefly, the project, located at Manhattan Beach and Hermosa Beach, proposes to determine the feasibility of checking the inland encroachment of sea water in an area of pressure levels by the creation of a fresh water pressure ridge adjacent and parallel to the coast. The barrier is being formed by the injection of fresh water into the affected water-bearing zone through wells located at 500-foot intervals

parallel to the coast line. The injection wells are interspaced and surrounded by a number of observation wells drilled for the purpose of determining subsurface geology, piezometric levels, degree of salinity of sea water intrusion, and for observation of the effects of the recharging operations. Water for injection is obtained from the Metropolitan Water District and, following chlorination, is directed through the injection wells into the affected water zone at various rates of flow.

The well drilling and development program, involving thirty-six 8-inch observation wells and nine 12-inch recharge wells along with the installation of 12,000 feet of water transmission and distribution lines, was completed in February, 1953. Injection was started in the same month, and results to date are encouraging. The required pressure ridge has been formed at less than the anticipated recharge rates, and a notable reduction in salinity landward from the recharge line has been effected.

CORRELATION OF WATER CONSERVATION WITH FEDERAL FLOOD CONTROL IMPROVEMENTS

Channels and improvements designed and constructed by the United States Corps of Engineers with Federal funds are for the purpose of flood control and do not necessarily provide for conservation. The District reviews the proposed plans with the object of providing necessary conservation measures where they are economically practical. Percolation lost by the lining of channel bottoms must be compensated for by some other means, such as off-channel spreading grounds.

Engineering studies and/or preliminary designs have been made or were in progress on the following projects: Santa Anita Channel and Debris Basin, San Dimas Channel, Dalton Channel, San Antonio Channel and Debris Dam, Lopez Flood Control Basin and Pacoima Channel, Eaton Wash, Live Oak Wash, San Jose Creek, Walnut Creek Wash, and the Whittier Narrows Dam and Rio Hondo Channel. Methods were studied for diversion of flow from the proposed San Antonio Debris Dam outlet to the San Antonio Spreading Grounds. Other studies include those made for replacements to existing facilities, and on relation of local water right interests to proposed dams and channels.

SEASONAL DATA AND MAPS

During this biennial period some 26,000 well measurements on nearly 2,000 wells were made by the District or obtained from cooperating agencies. To secure current data and observations on the rise and fall of the water table in each of the more important ground water basins, 140 key wells are measured monthly. See Map V, page 437. Hydrographs for several of these wells are included in this report on pages 439 to 450. Other water level measurements are made on an annual or semi-annual basis, or more often when required for special studies.

Ground water maps, prepared by the District from the data obtained from well measurements, are included in this report. Maps for Antelope Valley were drawn by the State Division of Water Resources. Up until July 1, 1953, Antelope Valley wells were measured by the United States Geological Survey and the Los Angeles County Flood Control District. The United States Geological Survey, due to a shifting of their activities, has withdrawn from this cooperative arrangement. An agreement has been reached with the State Division of Water Resources whereby the District will measure the wells south of Avenue "H", and the Division of Water Resources will measure those northerly thereof in the Antelope Valley.

A brief description of the functioning of the ground water basin groups follows. For a more detailed description of the nature of basins, reference is made to the 1941-42 report.^{1/}

GROUND WATER BASINS

The ground water basins of Los Angeles County may be segregated into the following groups; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara River Valley and Antelope Valley. For basin locations, reference is made to Map V , page 437 .

San Fernando Valley

The San Fernando Valley group consists of San Fernando Basin and four relatively shallow sub-basins adjacent to it on the north. The latter are separated from San Fernando Basin by hills and buried bedrock ridges and contribute significant underflow to it.

San Fernando Basin has a very large capacity, hence its water table fluctuations are small except in the immediate vicinity of the washes. The trend of water levels throughout the greater part of the basin was upward during the wet period from 1936 to 1944, and between 1940 and 1945, the water table in the southern part was unusually high, having reached a record high level in 1944. From that time to the Fall of 1951, the trend of the water levels has been steadily downward, with near record low levels having been reached in the central part of the valley and lower than previously recorded levels in the eastern part. The Department of Water and Power of the City of Los Angeles supplies a large part of the San Fernando Valley with water imported from Owens Valley.

The general movement of the subsurface flow is southward and eastward to the narrows at Griffith and Elysian Parks where a constriction in the basin's boundaries and a shallow bedrock ridge force part of it to the surface as "rising water." This is discharged as surface flow into the Coastal Plain.

Ground water contour maps, Maps VI to IX , for the San Fernando Valley are on pages 451 to 454 . The wet season of 1951-1952 caused an appreciable rise in water levels in the shallow foothill sub-basins in the northern part of the valley as indicated in the 1952 Spring map; however, the levels had receded by the Spring of 1953. The rise in the southern and eastern part of San Fernando Basin, due to the wet season of 1951-1952, continued into the Spring of 1953.

San Gabriel Valley

The San Gabriel Valley group consists of Main Basin and about a dozen smaller basins around its periphery.

In Main Basin, the general trend of water table elevations was upward from 1936 to 1944 as a result of an above-average period of rainfall. The average rainfall index of San Gabriel Valley for this period was 125% of the 75- year normal.

^{1/}Los Angeles County Flood Control District Annual Report on Hydrologic Data, Season of 1941-42.

The trend of ground water levels since 1944 has been steadily downward, except for minor temporary rises caused by the above average rainfall of 1951-52. The major portion of the area overlying this basin depends entirely upon wells to supply its large local demand. A portion of the Main Basin's water supply is exported from the basin.

A quantity of water, estimated to be 13,000 acre feet annually, enters this basin by underflow from its adjacent sub-basins, excluding Lower San Gabriel Canyon Basin, and approximately 23,300 acre feet annually is discharged into the Coastal Plain by underflow at Whittier Narrows.

Main Basin functions chiefly as a detention basin, and all the water entering it (except that held in "dead storage" below the elevation of the bedrock ridge at Whittier Narrows) is either consumptively used or discharged into the Coastal Plain as the aforementioned underflow and rising water. The average annual discharge of rising water for the 19-year near normal rainfall period, 1930-31 to 1948-49, was 58,200 acre feet.

In sub-basins of the San Gabriel Valley group, the general trend of ground water surface elevation has been about the same as that in the Main Basin with, however, a wider range of fluctuation.

All of these basins depend in some degree upon underflow from adjacent basins for replenishment, and some of them depend almost entirely upon it. A more complete discussion of this subject has been presented in the 1941-42 report previously mentioned.

Upper Canyon Basin has a small capacity, and it fills and empties annually. The water that is not extracted from it passes by underflow to Lower Canyon Basin. The fault barrier between the two basins is partially impervious at the lower elevations, but to a depth of about fifty feet below the surface it is very pervious, and when the water rises above that elevation, it spills over rapidly into Lower Canyon Basin.

Lower Canyon Basin functions in substantially the same manner and, in general, reaches a peak about a month later than the upper basin. Hence, it discharges into Main Basin by delayed underflow.

Each of these San Gabriel basins is, of course, replenished also by surface flows and, as the hydrographs of their wells show, they respond rapidly to flows released from the dams for spreading in the Coastal Plain. Areas overlying Monk Hill, Raymond, Glendora, Pomona, San Dimas and Way Hill Ground Water Basins are within the Metropolitan Water District of Southern California and get a portion of their water supply from the Colorado River.

Maps X to XIII, showing ground water contours for San Gabriel Valley, are on pages 455 to 458. Of particular note is the ground water ridge formed in the central portion of the Valley in the Spring and Fall of 1952. Following the wet season of 1951-1952, river waters from San Gabriel Canyon traversed the Valley, and the release of impounded water from reservoirs for spreading operations in the Central Coastal Basin maintained a flow in the river channels for an extended period. The effect of this flow can be noted by comparing the Fall map of 1951 with those of the succeeding seasons. Since 1944, a change in the general pattern of ground water contours has occurred in the vicinity of the City of Alhambra where a ground water trough has apparently developed.

The Coastal Plain Group

This group consists of a large central basin, called Central Coastal Basin, and two smaller sub-basins, West Coast Basin and Hollywood Basin.

The Central Coastal Basin lies immediately south of Whittier Narrows and is replenished largely by surface flows of the San Gabriel River and Rio Hondo, and underflow through the narrows. While the replenishment from the Los Angeles River never was of major proportions (due to its course through relatively impermeable material), practically all percolation has been stopped by the lining of a major portion of the channel within the limits of the Los Angeles Forebay.

Central Basin comprises two readily distinguishable areas - an Intake Area, or Forebay, and a Pressure Area.

In the Intake, or Forebay Area, the aquifer is free, and the water table rises or falls as replenishment exceeds or falls short of ground water extraction and ground water outflow from the area. In the Pressure Area, the aquifers are confined beneath thick clay strata, and the pressure surfaces in wells rise or fall according to the head upon them and are strongly influenced by local pumping patterns.

Many of the wells in the Pressure Area flowed above the ground surface when first drilled, but heavy draft gradually reduced the pressure surfaces, and by 1933 all had ceased flowing. In the Spring of 1942, the District's records indicate that some 21 wells resumed flowing, but by 1945 had again ceased to flow. Ground water levels at most Pressure Area wells were, by 1953, at their historical lows.

West Coast Basin lies oceanward of the Newport-Inglewood uplift. This barrier is not a simple fault, but rather a series of echelon faults and bedrock folds with pervious gaps here and there. Through such gaps, underflow passes from Central Coastal Basin. The quantity of underflow was estimated in 1950 by the State Division of Water Resources to be approximately 30,000 acre feet per year.

Replenishment of the West Coast Basin is primarily by underflow from (a) Central Coastal Basin, as noted above, and (b) Santa Monica Bay. This latter flow, sea water, has become of critical importance because by 1950 it amounted to about 55,000 acre feet. The prevention and control of sea water encroachment is currently the subject of considerable investigation by the District and other agencies as noted on page .

Hollywood Basin is separated for the most part from Central Basin by an east-west anticlinal fold. This basin is distinct from Central Basin inasmuch as its replenishment is primarily from rainfall penetration and runoff from Santa Monica Mountains.

Water levels in the greater portion of the Coastal Plain have continued to recede. Only in the Montebello Forebay Area, following the 1951-1952 wet season, was there any significant temporary recovery noted. The rise in water table was due in part to spreading of San Gabriel Canyon waters in the San Gabriel and the Rio Hondo Coastal Spreading Grounds.

Pumping extractions have accentuated differences in water levels in the different aquifers of the Pressure Area. To give a clearer picture of ground water conditions, a new map showing Deep Zone Ground Water Contours has been drawn. The Deep Zone map

was first drawn for the Fall of 1951, but subsequent maps are being made for the spring of the year only. Certain well-defined depressions in ground water pressure levels are noted in the vicinity of Signal Hill, East Los Angeles - Vernon and Athens.

Ground water contour maps for the Coastal Plain are on pages 459 to 463A, Map numbers XIV to XVIII A.

Santa Clara River Valley

The primary ground water basin in that portion of the Santa Clara River Valley within Los Angeles County, Eastern Basin, receives underflow from several tributaries containing relatively shallow alluvium. In Eastern Basin, wells produce from the zone of free ground water within the shallow alluvial deposits and from deeper confined or pressure aquifers within the semi-pervious sediments of the Saugus and Mint Canyon formations underlying and bordering the shallow alluvium.

Ground water elevations in the main valley and in most of the tributaries were high during the early 1940's, declined during the succeeding drought period, and subsequently recovered during the wet season of 1951-1952. Notable exceptions to the recovery pattern occurred in upper San Francisquito Canyon and in Dry Canyon where some recovery occurred but did not reach earlier recorded high levels.

Areas of rising ground water are evident throughout the year during wet periods in the vicinity and upstream of Lang and downstream from Honby to the Los Angeles-Ventura County Line, where maximum rising water flows are recorded. During the period from 1951 to 1953, however, the lower area of rising water reached only from the vicinity of Castaic Junction to the Los Angeles-Ventura County Line.

In general, extensive District ground water measurements cover the relatively short period from 1942 to the present date, although some earlier measurements have been obtained from other agencies. Maps of ground water contours for the Santa Clara River Valley for this biennial period are on pages 464 and 465, Map numbers XIX and XX. Due to the small fluctuation of the water table in this valley between the spring and the fall of the year, only the map for the fall is drawn annually.

Antelope Valley

Antelope Valley contains one principal ground water basin, Lancaster Basin, and three smaller sub-basins: Neenach Basin at the west end of the valley, Buttes and Rock Creek Basins in the southeastern part of the valley. Three additional relatively shallow structural basins: Valyermo, Pallett Creek and Amargosa, are tributary to the larger ground water basins and are located along the San Andreas rift zone between the foothills marking the southern margin of the valley and the San Gabriel-Sierra Pelona ranges.

The Lancaster Basin forebay, an area of free ground water levels, underlying the area roughly between the 2,400- and 2,600-foot ground surface contours, recharge the multiple pressure aquifers underlying the area below the 2,400-foot ground surface contour. The principal source of replenishment for the ground water basins is runoff from mountainous areas along the southerly and westerly margins of the valley. Over one-half of the northerly part of Lancaster Basin was within artesian limits in 1908. By 1947, however, artesian flow existed only in the vicinity of Oban, but this has since ceased.

Ground water levels in Lancaster Basin have a record of continuous decline; the rate of decline being more pronounced since 1947. Due to the lack of even a seasonal rise, only one ground water map is drawn annually--for the fall. No significant recovery in ground water levels may be expected unless recharging of aquifers is effected, or consumptive use radically curtailed.

Ground water elevations in Rock Creek and Buttes sub-basins, affected by percolation from Little Rock and Big Rock Creeks, have fluctuated with the wet and dry periods. Ground water elevations in Neenach sub-basin, which rose until about 1950, have subsequently slowly declined. Antelope Valley ground water contours are shown on Maps XXI and XXII, pages 466 and 467.

RESPONSIBILITY

Field and office work was under the direction of Finley B. Laverty, Division Engineer, and under the immediate supervision of L.W. Jordan to his retirement on May 31, 1953, and H.A. van der Goot, assisted by E.J. Koch, Jr., H.C. Porter and E.J. Zielbauer for the balance of the period.

TABLE XV
RESERVOIR AND CHANNEL ABSORPTION
EXCLUSIVE OF SPREADING GROUNDS ABSORPTION

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	ABSORPTIVE CAPACITY OF REACH CFS	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND MINOR DIVERSIONS-A.F.	EXCESS OF RELEASE OVER ABSORPTION - A.F.	YEAR
PACOIMA	DAM TO PARTHENIA STREET	40-120	14360	4/ 9270	5090	1951-52
"	" " " " " " " "	40-120	3500	4/ 2120	1380	1952-53
TUJUNGA	MOUTH OF CANYON TO HANSEN DAM	1/	46890	2/ 15670	31220	1951-52
"	" " " " " " " "	1/	6690	2/ 7070	0	1952-53
DEVIL'S GATE	RESERVOIR ONLY			2/ 131		1951-52
"	" " " " " " " "			2/ 369		1952-53
EATON	DAM TO RIO HONDO	13-40	2640	2/ 895	1740	1951-52
"	" " " " " " " "	13-40		2/ 143		1952-53
SANTA ANITA	DAM TO ARROW HIGHWAY	40-100	8290	4/ 5860	2430	1951-52
"	" " " " " " " "	40-100	1729	4/ 1410	319	1952-53
SAWPIT	U.S.G.S. GAGING STATION TO RIO HONDO	12-20	1180		663	1951-52
"	" " " " " " " "	12-20	88		56	1952-53
SAN GABRIEL	MOUTH OF CANYON TO FOOTHILL BOULEVARD (CANYON BASIN)	VARIOUS	80040	7690	72350	1951-52
"	" " " " " " " "	VARIOUS	53780	10080	43700	1952-53
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM (MAIN BASIN)	VARIOUS	71210	36130	35080	1951-52
"	" " " " " " " "	VARIOUS	41180	16470	24710	1952-53
SAN GABRIEL	SANTA FE DAM TO PELLISIER ROAD (MAIN BASIN)	VARIOUS	32800	15030	17770	1951-52
"	" " " " " " " "	VARIOUS	16990	9550	7440	1952-53
SAN GABRIEL	BELOW STANDEFER DITCH TO FLORENCE AVENUE (COASTAL PLAIN)	VARIOUS	3/ 54300	24640	29660	1951-52
"	" " " " " " " "	VARIOUS	3/ 17110	12100	5010	1952-53
SAN GABRIEL	FLORENCE AVENUE TO SPRING STREET (COASTAL BASIN)	VARIOUS	24250	3150	21100	1951-52
"	" " " " " " " "	VARIOUS	983	763	220	1952-53
RIO HONDO	SANTA FE DAM TO LOWER AZUSA ROAD (MAIN BASIN)	VARIOUS	14170	7830	6340	1951-52
"	" " " " " " " "	VARIOUS	8080	1710	6370	1952-53
RIO HONDO	MISSION BRIDGE TO STEWART AND GRAY ROAD (COASTAL PLAIN)	VARIOUS	3/ 43990	4/ 17550	26440	1951-52
"	" " " " " " " "	VARIOUS	3/ 23720	4/ 16900	6820	1952-53
BIG DALTON	DAM TO PLOSTA AVENUE	1/	2080		1852	1951-52
"	" " " " " " " "	1/	109		85	1952-53
SAN DIMAS	DAM TO PUDDINGSTONE DIVERSION DAM AND PUDDINGSTONE DIVERSION DAM TO GLENDORA AVENUE	7-20	4660	4/ 2660	2000	1951-52
"	" " " " " " " "	7-20	1110	4/ 1110	0	1952-53
LIVE OAK	DAM TO FOOTHILL BOULEVARD	4	343	2/ 218	125	1951-52
"	" " " " " " " "	4	3.2	2/ 5.3	0	1952-53
THOMPSON CREEK	DAM TO FOOTHILL BOULEVARD		34.5	2/ 314	0	1951-52
"	" " " " " " " "		0	12.3	0	1952-53
TOTAL				147783	79668	1951-52
						1952-53

NOTES

- 1/ NOT DETERMINED.
- 2/ INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIR.
- 3/ INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.
- 4/ INCLUDES WATER DIVERTED FOR USE.

EXCESS OF RELEASE OVER ABSORPTION INCLUDES WATER PERCOLATED IN OFF-CHANNEL SPREADING GROUNDS (TABLE XVII).

TABLE XVI

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF DATA ON SPREADING GROUNDS IN L. A. COUNTY
(See Companion Tabulation for Record of Water Spread)
SEPTEMBER, 1953

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	NET	INTAKE c.f.s.	SPILLWAY c.f.s.	STORAGE A.F.	PERCOLATING c.f.s.			
SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT):											
PACOMA	BASINS	1932-33	175.0	119.0	400	--	300	200	BOTH SIDES OF PACOMA WASH FROM ARLETA ST. SOUTHWESTERLY TO WOODWAY AVE.	CONTROLLED FLOW FROM PACOMA DAM. UNCONTROLLED FLOW BETWEEN DAM AND SPREADING GROUNDS.	GROSS AREA INCLUDES: BELOW ARLETA AVE., 14.87 A. IN CHANNEL; ABOVE ARLETA AVE. TO SHARY AVE. UNDER EASEMENT FROM CITY OF SAN FERNANDO. CHANNEL 5.40 A. AND OUTSIDE CHANNEL 1.83 A.
HANSEN	BASINS	1944-45	145.0	104.0	450	--	200	300	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENDA'S BLVD. SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM.	CHANNEL AREA (S. A.) ADJACENT TO SPREADING GROUNDS NOT INCLUDED.
ARROYO SECO	BASINS	1949-49	24.0	13.0	100	400	30	25	EASTERLY SIDE OF ARROYO SECO. LOWER END 0.5 MI. ABOVE DEVIL'S GATE DAM.	ARROYO SECO UNCONTROLLED FLOW.	GROSS AREA INCLUDES 10 A. OF THE AREA SPREADING GROUNDS EASEMENT AND APPROX. 14 A. OF DEVIL'S GATE RESERVOIR EASEMENT.
EATON	GRAVEL PITS	1947-48	15.0	6.6	150	300	95	10	EASTERLY SIDE OF EATON WASH BELOW EATON DAM.	CONTROLLED FLOW FROM EATON WASH DAM.	GROSS AREA INCLUDES PART OF CHANNEL NOT UTILIZED FOR SPREADING GROUNDS. NET AREA: PIT 1, 0.70 A., PIT 2, 3.2 A., CANAL, 0.70 A.
SANTA ANITA	BASINS	1944-45	11.0	8.0	20	--	15	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MI. ABOVE FOOTHILL BLVD.	CONTROLLED FLOW FROM SANTA ANITA DAM. UNCONTROLLED FLOWS BETWEEN DAM AND SANTA ANITA SPREADING HEADWORKS.	DURING 1944-45 AND 1946-47 EXPERIMENTAL TEST BASINS ONLY 10.0 A. ON LAND LATER ACQUIRED IN FEE. ULTIMATE CAPACITY ESTIMATED 15 C.F.S.
SANPIT	BASINS	1946-47	10.0	3.8	30	400	13	15	WESTERLY SIDE OF SANPIT WASH BELOW MOUTH OF CANYON AT HEAD OF MORUMBEGA ST., MORROWVA.	CONTROLLED FLOW FROM SANPIT DAM. UNCONTROLLED FLOW FROM MORROWVA CANYON.	GROSS AREA INCLUDES 0.89 A. UNDER EASEMENT FOR INTAKE AND PIPE LINE.
SAN GABRIEL COASTAL	BASINS	1939-39	111.0	73.9	200	400	300	85	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BLVD. TO WASHINGTON BLVD.	SAN GABRIEL RIVER, SAN JOSE CREEK, WALNUT CREEK, SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAMS #1 AND #2, MORRIS DAM AND SANTA FE DAM. OTHER FLOWS PARTIALLY CONTROLLED.	95.34. HELD UNDER PERPETUAL EASEMENT. 16 A. OWNED IN FEE. CHANNEL AREA NOT INCLUDED.
RIO HONDO COASTAL	BASINS	1937-38	443.0	372.4	750	1500	800	400	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (S. OF WHITTIER BLVD.) TO SLAUSON AVE.	SAN GABRIEL RIVER FLOWS CONTROLLED BY SAN GABRIEL DAMS #1 AND #2, MORRIS DAM AND SANTA FE DAM. UNCONTROLLED FLOWS BETWEEN SANPIT, SANTA ANITA, EATON WASHES (PARTIALLY CONTROLLED), RIBUD AND ALHAMBRA WASHES (UNCONTROLLED).	GROSS AREA INCLUDES APPROX. 9 A. IN CHANNEL R/W OCCUPIED BY SPREADING GROUNDS LEVEES AND PARTS OF BASINS.
TOTALS			934.0	700.7			1753	1042			
SPRG. GRO. ON WHICH THE DISTRICT DOES CONSTRUCTION AND MAINTENANCE WORK:											
LITTLE DALTON	DITCHES AND CHECKS	1931-32	16.4	--	20	--	0	10	LITTLE DALTON WASH. INTAKE 1/2 MI. ABOVE SIERRA MADRE AVE. WESTERLY OF GLENORA MOUNTAIN ROAD.	LITTLE DALTON CREEK UNCONTROLLED FLOW.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY GLENORA IRRIGATING CO. INTAKE CAPACITY GIVEN 15 FOR FREEFALL WEIR.
BIG DALTON	DITCHES AND CHECKS	1930-31	30.0	--	45	--	0	15	BIG DALTON WASH. INTAKE 2/4 MI. ABOVE SIERRA MADRE AVE.	CONTROLLED FLOWS FROM BIG DALTON DAM. UNCONTROLLED FLOWS BETWEEN BIG DALTON DAM AND SPREADING AVE.	HELD UNDER LICENSE BY THE DISTRICT. OPERATED BY GLENORA IRRIGATING CO. INTAKE CAPACITY GIVEN 15 FOR FREEFALL WEIR.
THOMPSON CREEK	DITCHES AND CHECKS	ABOUT 1928	56.4	--	70	--	0	20	SOUTHERLY FROM AND ADJACENT TO THOMPSON CR. DAM, E. SIDE OF CREEK.	COBAL, WILLIAMS, PALMER AND PADUA CREEKS, THOMPSON CR. DAM, WHEN RESERVOIR ABOVE ELEV. 1625.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY POMONA VALLEY PROTECTIVE ASSN. ADDITION TO THE SPREADING SOME AREA WITHIN THOMPSON CR. RESERVOIR IS USED TO SPREAD STORM FLOW. WATER SPREAD IN AREA SINCE ABOUT 1918.
SAN ANTONIO	DITCHES, CHECKS AND BASINS	1921-22	771	--	500	--	--	250	BOTH SIDES OF SAN ANTONIO CREEK. GRANDVIEW AVE. 1/2 MI. ABOVE BASE LINE SOUTHWESTERLY TO BASE LINE.	SAN ANTONIO CREEK UNCONTROLLED FLOW.	HELD UNDER EASEMENT BY THE DISTRICT. OPERATED BY POMONA VALLEY PROTECTIVE ASSN. SIDE 455 A. L.E.T. SIDE 212 A. CHANNEL 62 A. IN ADDITION THERE ARE 20 A. IN SOME AREAS. NOT ALL ARE UNDER EASEMENT IN VICINITY ON AND OFF AS EARLY AS ABOUT 1900.
TOTALS			873.8					295			
COOPERATIVE SPREADING GROUNDS:											
SAN GABRIEL SPRNG. CORP. EAST SIDE	DITCHES AND CHECKS	ABOUT 1917	500	--	--	--	0	100	EASTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF CANYON NORTH OF AZUSA.	SAN GABRIEL RIVER: CONTROLLED RELEASES FROM SAN GABRIEL DAMS #1 AND #2 AND MORRIS DAM.	DISTRICT DELIVERS WATER. DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO DIVERTED THROUGH AZUSA AND COVINA CANALS FOR PERCOLATION IN LOWER SAN DITMAS AND DALTON WASHES. NO RECORDS KEPT BEFORE 1919-20.
WEST SIDE (INCLUDING FISH CR. SPRNG. GRO.)	BASINS	ABOUT 1917	52	3.6	--	--	5	7	WESTERLY SIDE OF SAN GABRIEL RIVER, BELOW MOUTH OF FISH CANYON.	SAN GABRIEL RIVER: CONTROLLED RELEASES FROM SAN GABRIEL DAMS #1 AND #2 AND MORRIS DAM VIA DUARTE DITCH.	DISTRICT DELIVERS WATER. DOES HYDROGRAPHIC WORK AND SOME CONSTRUCTION. SOME WATER ALSO PERCOLATES IN SAN GABRIEL WASH. IN VICINITY OF SPRNG. GRO. AND IN BRUSH LAND WHERE IRRIGATION WASTE LINES DISCHARGE. NO SEPARATE RECORDS KEPT UNTIL 1922-27.
SIERRA MADRE	DITCHES, CHECKS AND BASINS	ABOUT 1933	232	--	--	--	122	122	CITY OF SIERRA MADRE SOUTH SIDE OF GRANDVIEW AVE. 1/2 MI. W. OF SANTA ANITA AVE.	LITTLE SANTA ANITA CREEK AND STREET RUN-OFF ONLY PRIOR TO 1951-52. STARTING IN 1951-52 ALSO CONTROLLED FLOWS FROM SANTA ANITA DAM	NO RECORDS OF WATER SPREAD PRIOR TO 1951-52. GROUNDS RESULT IN 1951 ULTIMATE CAPACITY ESTIMATED 25 C.F.S.
TOTALS			529					122			
SPRG. GRO. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE:											
U. S. SOIL CONDS. SERVICE, KINGS CANYON	BASINS	1945-46	802	452	--	--	75	452	ANTELOPE VALLEY BELOW MOUTH OF KINGS CANYON. AT 129TH ST. WEST 3/4 MI. SOUTH OF HIGHWAY 136.	L. A. CITY'S OWENS VALLEY AQUE-DUCT.	OPERATED ONLY WHEN EXCESS AQUE-DUCT WATER WOULD OTHERWISE BE WASTED. GROUNDS OUTSIDE OF DISTRICT.
CITY OF POMONA	DITCHES AND CHECKS	(SEE REMARKS)	202	--	--	--	--	--	NORTH OF CLAREMONT, SOUTHWEST CORNER AT 1/2 MI. - 1/8 MI. W. OF MILLS AVE.	SAN ANTONIO CR. WATER DELIVERED THROUGH LOOP RESERVE CANYON WATER CO'S PIPE LINE. ALSO SOME LOCAL RUNOFF.	WATER SPREAD IN VICINITY ON AND OFF SINCE ABOUT 1927. GROUND ACQUIRED BY CITY OF POMONA IN 1924. NO RECORD OF WATER SPREAD PRIOR TO 1929-30.
L. A. WATER DEPT. - TUJUNGA WASH	BASINS	1931-32	1832	252	--	--	--	--	SAN FERNANDO VALLEY, E. SIDE OF TUJUNGA WASH AT ROSCO STREET.	L. A. CITY'S OWENS VALLEY AQUE-DUCT.	PRIOR TO 1936 FLOOD USED SOA. NET. PAVED CHANNEL WAS CONSTRUCTED ON WEST SIDE OF GROUNDS IN 1950
L. A. RIVER	BASINS	1936-39	502	39.9	--	--	--	--	SAN FERNANDO VALLEY, S. SIDE OF L.S. RIVER ABOVE MARIPOSA ST.	L. A. RIVER, PARTIALLY CONTROLLED BY HANCOCK DAMS. RELEASES OF OWENS VALLEY WATER FROM CHATSWORTH RESERVOIR.	CRYSTAL SPRINGS INFILTRATION AREA. NOT REGULAR SPREADING GROUNDS. WATER PUMPED OUT FROM COLLECTING GAL-LERIES UNDER AREA.
TOTALS			333								

*Capacity variable, depending on condition of grounds, length of run, etc. Figure given is an approx. average for spreading period of a few days to a month or two.

TABLE XVII

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION
SUMMARY OF WATER SPREAD IN LOS ANGELES COUNTY
ACRE FEET
(See Companion Tabulation for Basic Data)

SEASON	SPREADING GROUNDS OWNED BY THE DISTRICT (WHOLLY CONSTRUCTED, MAINTAINED AND OPERATED BY IT)							SPRGD. GRDS. ON WHICH THE DISTRICT DOES CONSTRUCTION AND MAINTENANCE WORK					COOPERATIVE SPREADING GROUNDS				SPRGD. GRDS. OF AGENCIES WHICH RECEIVE NO DISTRICT ASSISTANCE				TOTAL	SEASON
	PACIFICA (F)	HANSEN	ARROYO SECO (F)	EATON (F)	SANTA ANITA (F)	SAMPIT (F)	SAN GABRIEL COASTAL (F)	RIG HONDO (F)	LITTLE DALTON (A)	BIG DALTON (A)	THOMPSON CREEK (B)	SAN ANTONIO (B)	S.G. SPRDG. CORP.		CITY SIERRA STA. ANITA WATER	MADRE LOCAL WATER	U.S.S.C.S. KINGS CANYON	CITY OF POMONA	L.A. WATER DEPT. TULLINGA WASH	L.A. RIVER		
													E. SIDE	W. SIDE								
1919-20																					7,974	1919-20
21													7974	(D)							10,082	21
22													10082	(D)							2,132	22
23													12408	(D)							12,408	23
24													5069	(D)							5,069	24
25													2878	(D)							2,878	25
26													8440	(D)							8,440	26
27													8090	(D)							29,357	27
28													15865	(D)							20,807	28
29													14900	(D)							19,116	29
30													17980	(D)							22,508	30
31													11109	(D)							14,399	31
32								160	394	(C)	7801	11109	3078								66,127	32
33	26							0	0	(C)	111	16517	3489								47,016	33
34	230							0	100	(C)	630	13917	2990								20,795	34
35	1200							0	131	(C)	8834	42372	9535								24,775	35
36	2000							0	0	(C)	1852	21918	3154								19,910	36
37	4580							275	866	(C)	22552	46501	7610								8,736	37
38	3844						3660	287	397	(C)	15000	37764	6997								5,732	38
39	363						0	12	49	(C)	1433	20957	3052								12,258	39
40	931						0	1702	0	(C)	2670	22235	5613								3,024	40
41	9775						4684	9830	1161	1471	580	28093	50168	8748							3,446	41
42	37						0	2170	0	0	83	22387	7246								11,290	42
43	3744						0	1084	1191	504	25870	29625	2579								12,131	43
44	7223						0	559	543	37	10270	33850	7100								3,191	44
45	1467	7651			337		0	289	31	18	4957	39222	9326								0	45
46	514	2288			0		9548	73	47	5	3271	26234	9863								750	46
47	3763	8728			141	89	384	4842	89	180	0	5801	26610	6042							6500	47
48	0	0			0	0	3780	0	0	0	6	4441	2573								0	48
49	0	0	108		0	0	0	0	0	0	0	5853	554								0	49
50	245	0	283		61	0	0	0	16	92	0	58	9275	2440							4502	50
51	0	0	19		0	19	0	0	0	0	3	1518	482								0	51
52	6122	16780	986		448	517	5412	400	552	882	183	10470	25886	10322	1547	384	0	0			2395	52
53	1651	1271	218		68	58	4023	3388	9	3	0	1011	14494	6978	257	5	0	357			952	53
TOTAL	47815	38995	1812	1258	984	689	17108	39280	4566	6475	1287	158864	671597	143547	1804	389	7280	1759	183971		1,324,948	

(A) = Operated by Glendora Irrig. Co.
(B) = Operated by Pomona Valley Protective Ass'n.
(C) = Water spread, no records kept.
(D) = Included in East Side, if any.
(E) = Daily measurements made; total volume not computed.
(F) = Does not include water spread in the adjacent channels which is included in Reservoir and Channel Absorption Table.

NOTE: A re-examination of the basic data indicated some inconsistencies and some errors in a few of the quantities previously published. The above values reflect these corrections.

TABLE XVIII

RUNOFF WASTE TO OCEAN IN ACRE FEET						
YEAR	COYOTE CREEK NEAR DEL AMO *BELOW P. E. BRIDGE ARTESIA	SAN GABRIEL RIVER AT SPRING STREET	L.A. RIVER AT PACIFIC COAST HWY. **L.A. RIVER AT WILLOW ST.	BALLONA CREEK AT SAWTELLE BOULEVARD ***AT CENTIN. ELA BLVD.	TOTAL WASTE TO OCEAN	RAINFALL INDEX MEAN FOR COUNTY
1927-28		NO FLOW				66
1928-29		" "				69
1929-30	*699	" "	**9340 INC.	***3930	24240	78
1930-31	*5681	" "	**12300	***14900	26500	92
1931-32	*2690	6560	**14400	***18500	33470	122
1932-33	*457	809	22900	***15800	39970	73
1933-34	*3880	12400	87900	***20600	104800	88
1934-35	*3850	2380	40500	***24900	71650	131
1935-36	*1180	1190	20500	***13300		
1936-37	19700	13500	91100	40680	159000	141
1937-38	18100	88020	408000	82300	599600	147
1938-39	4280	1080	87900	28490	116000	118
1939-40	3190	1460	88930	21110	91990	81
1940-41	29500	85800	369800	87380	532200	218
1941-42	1580	10890	93590	17250	128000	80
1942-43	12070	178100	264900	34240	468900	146
1943-44	12080	72200	217400	33000	334680	198
1944-45	3800	22280	100200	24450	130730	90
1945-46	3540	12390	91780	18380	125300	88
1946-47	2480	24100	108000	26900	138880	92
1947-48	1500	NO FLOW	52820	13690	67980	91
1948-49	951	" "	44380	16090	61390	87
1949-50	1800	" "	42180	23230	67390	64
1950-51	1420	" "	36800	18880	66680	42
1951-52	23920	*24250	212200	53380	313720	172
1952-53	1188	220	44490	19910	65775	64

*FLORENCE AVE.



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
- APPROX. LINE MARKING TRANSITION FROM FREE TO PRESSURE GROUND WATER LEVELS

GROUND WATER BASINS

- 1 MONK HILL
- 2 RAYMOND
- 3 MAIN SAN GABRIEL
- 4 UPPER SAN GABRIEL CANYON
- 5 LOWER SAN GABRIEL CANYON
- 6 GLENDORA
- 7 MAY HILL
- 8 SAN DIMAS
- 9 FOOT HILL
- 10 LIVE OAK
- 11 LOWER CLAREMONT HEIGHTS
- 12 UPPER CLAREMONT HEIGHTS
- 13 SAN ANTONIO CANYON
- 14 POMONA
- 15 CHINO
- 16 PLUENTE
- 17 SPADRA
- 18 VERDUGO
- 19 TUJUNGA
- 20 SAN FERNANDO
- 21 SILMAR
- 22 PACOIMA
- 23 WEST COASTAL
- 24 CENTRAL COASTAL
- 25 HOLLYWOOD
- 26 SANTA CLARA
- 27 VALERMO
- 28 PALLET CREEK
- 29 AMARGOSA
- 30 ROCK CREEK
- 31 BUTTES
- 32 LANCASTER
- 33 NEEHACH
- 25A MONTEBELLO FOREBAY
- 25A LOS ANGELES FOREBAY
- 34 LA HABRA
- 35 GLENDORA

SPREADING AREAS

- 1 PACOIMA WASH CHANNEL
- 2 PACOIMA SPREADING GROUNDS
- 3 BIG TUJUNGA WASH (LOCAL RUNOFF ONLY)
- 4 HANSEN SPREADING GROUNDS
- 5 L.A. CITY TUJUNGA SPREADING GROUNDS
- 6 L.A. CITY CRYSTAL SPRINGS INFILTRATION AREA
- 7 CATON WASH CHANNEL
- 8 SERRA MADRE SPREADING GROUNDS
- 9 SANTA ANITA WASH CHANNEL
- 10 SAWPIT WASH CHANNEL
- 11 SAN GABRIEL RIVER WATER COMMITTEE SPREADING GROUNDS
- (A) WEST SIDE CANYON BASIN
- (B) EAST SIDE CANYON BASIN
- (C) WASH CHANNELS FED BY COVINA AND AZUSA CANALS
- 12 SANTA FE DAM PERCOLATING AREA
- 13 RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN MAIN BASIN
- 14 RIO HONDO COASTAL BASIN SPREADING GROUNDS
- 15 SAN GABRIEL RIVER COASTAL BASIN SPREADING GROUNDS
- 16 RIO HONDO AND SAN GABRIEL RIVER CHANNELS IN COASTAL BASIN
- 17 LITTLE DALTON SPREADING GROUNDS
- 18 B.C. DALTON SPREADING GROUNDS
- 19 SAN DIMAS WASH CHANNEL
- 20 LIVE OAK CREEK CHANNEL
- 21 THOMPSON CREEK SPREADING GROUNDS
- 22 SAN ANTONIO SPREADING GROUNDS
- 23 SANTA CLARA BASIN CHANNELS FED BY L.A. AQUEDUCT
- 24 ARRIGO SECO SPREADING GROUNDS
- 25 HINGS CANYON SPREADING GROUNDS
- 26 EATON SPREADING GROUNDS
- 27 SAWPIT SPREADING GROUNDS
- 28 SANTA ANITA SPREADING GROUNDS
- 29 WEST COAST BASIN BARRIER PROJECT

NOTE:
THIS DUPLICATE TRACING MADE FROM ORIGINAL BASE TRACING NO. 2-M-74 REVISIONS IN APRIL, 1947.

AS OF DATE	REVISIONS ON DUPLICATE	BY
SEP 19 1947	ADDED ANTELOPE VALLEY, L.A. AQUEDUCT BARGE WELLS, SPRING ARCAL, LEGEND, TITLE	J. L. W.
SEP 24 1947	GEN. FOR 1947-47 REPORT	J. L. W.
SEP 24 1947	GEN. FOR 1947-48 REPORT	J. L. W.
SEP 24 1947	GEN. FOR 1948-49 REPORT	J. L. W.
SEP 24 1947	GEN. FOR 1949-50 REPORT	J. L. W.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

MAP SHOWING LOCATION OF KEY WELLS GROUND WATER BASINS AND SPREADING GROUNDS

APPROVED BY: *Richard G. Smith*
CHIEF ENGINEER

PREPARED BY: *John L. W.*
CHIEF HYDROLOGIC DIVISION

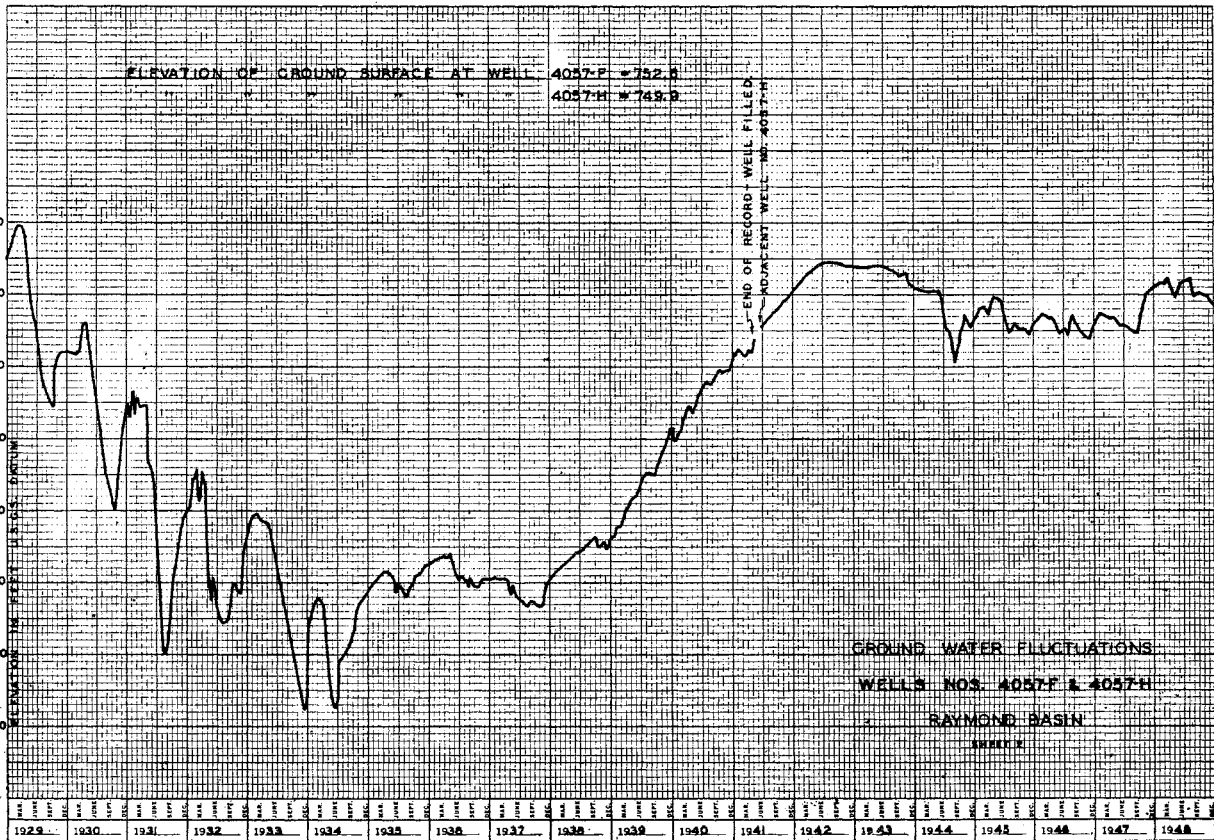
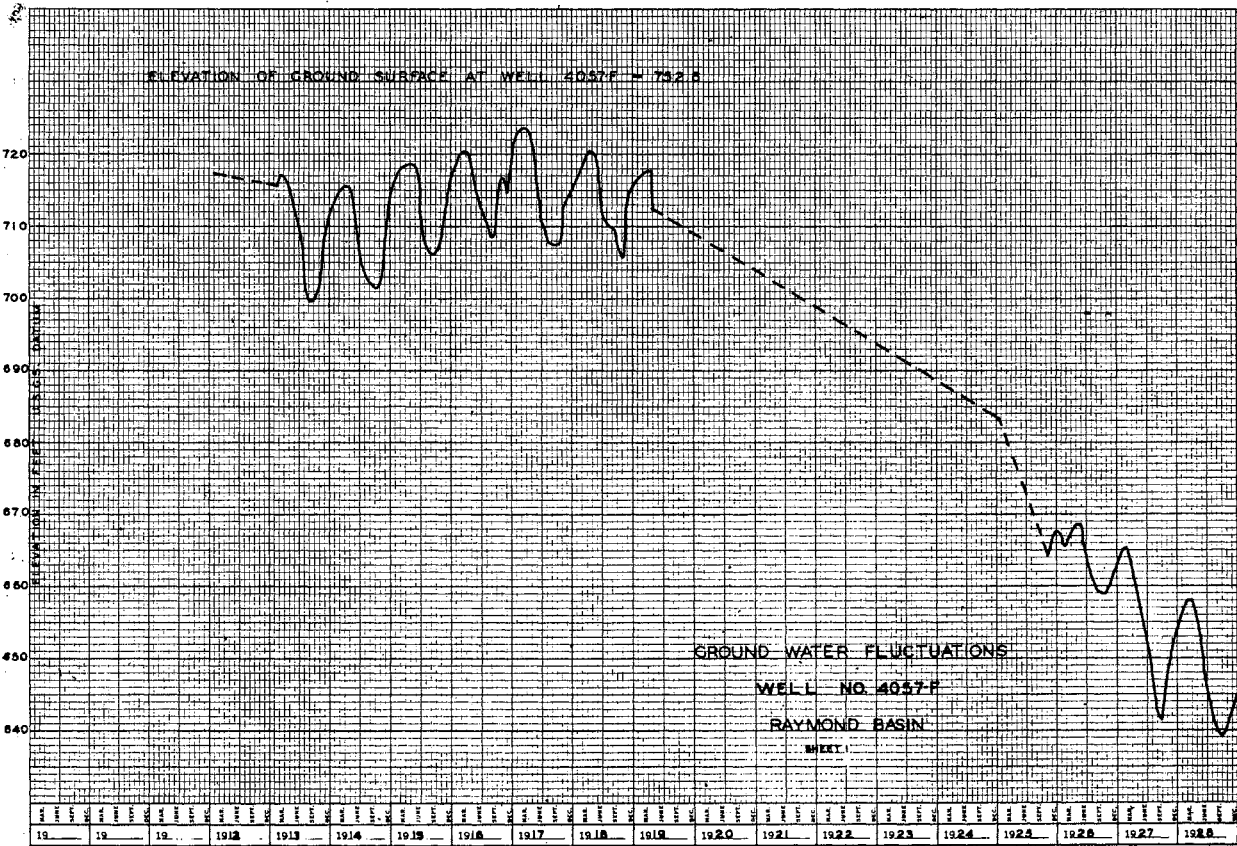
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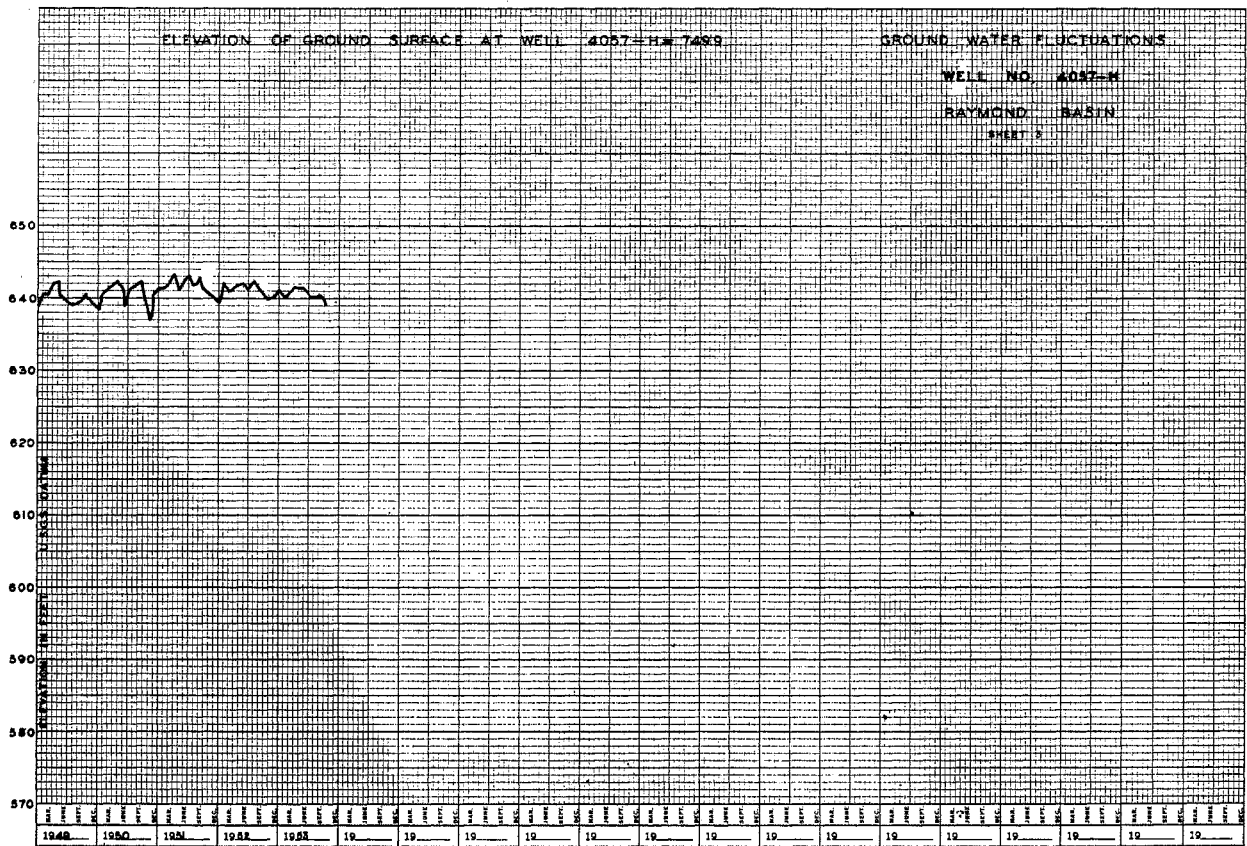
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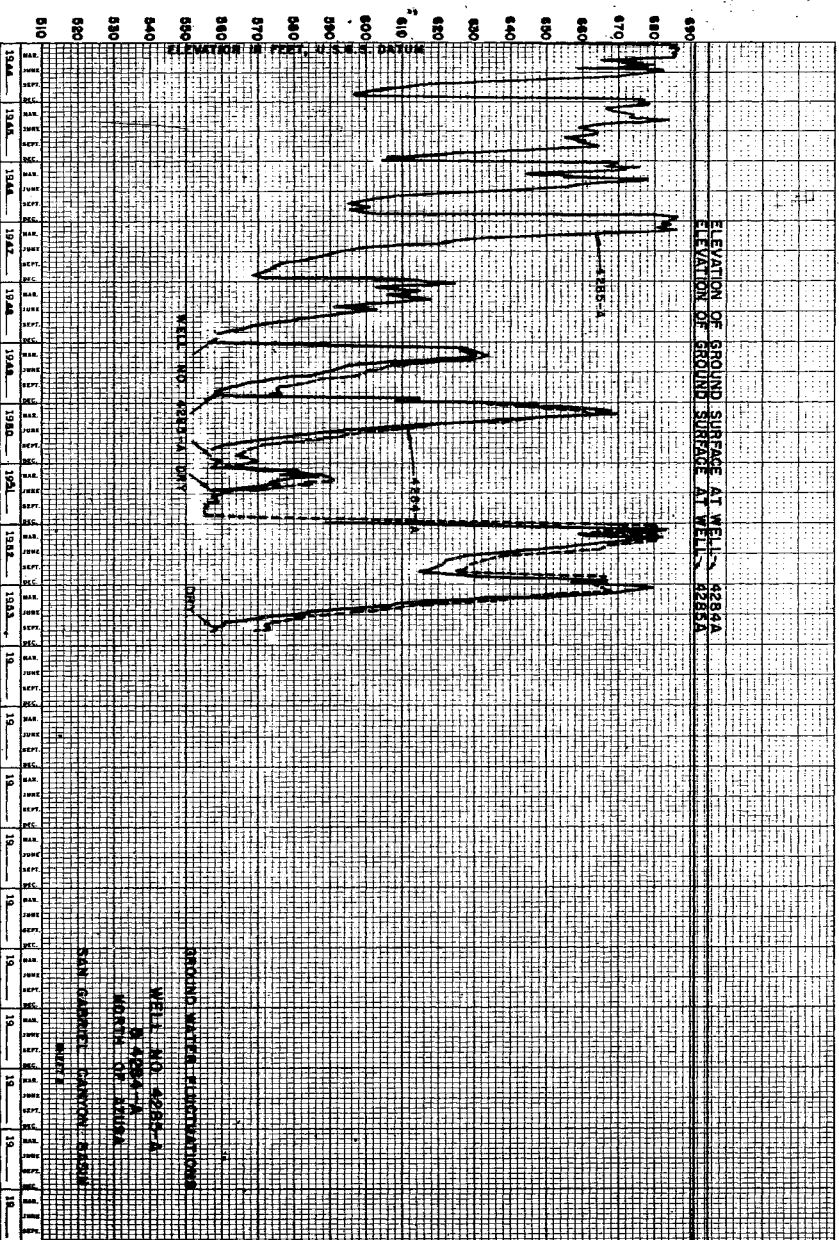
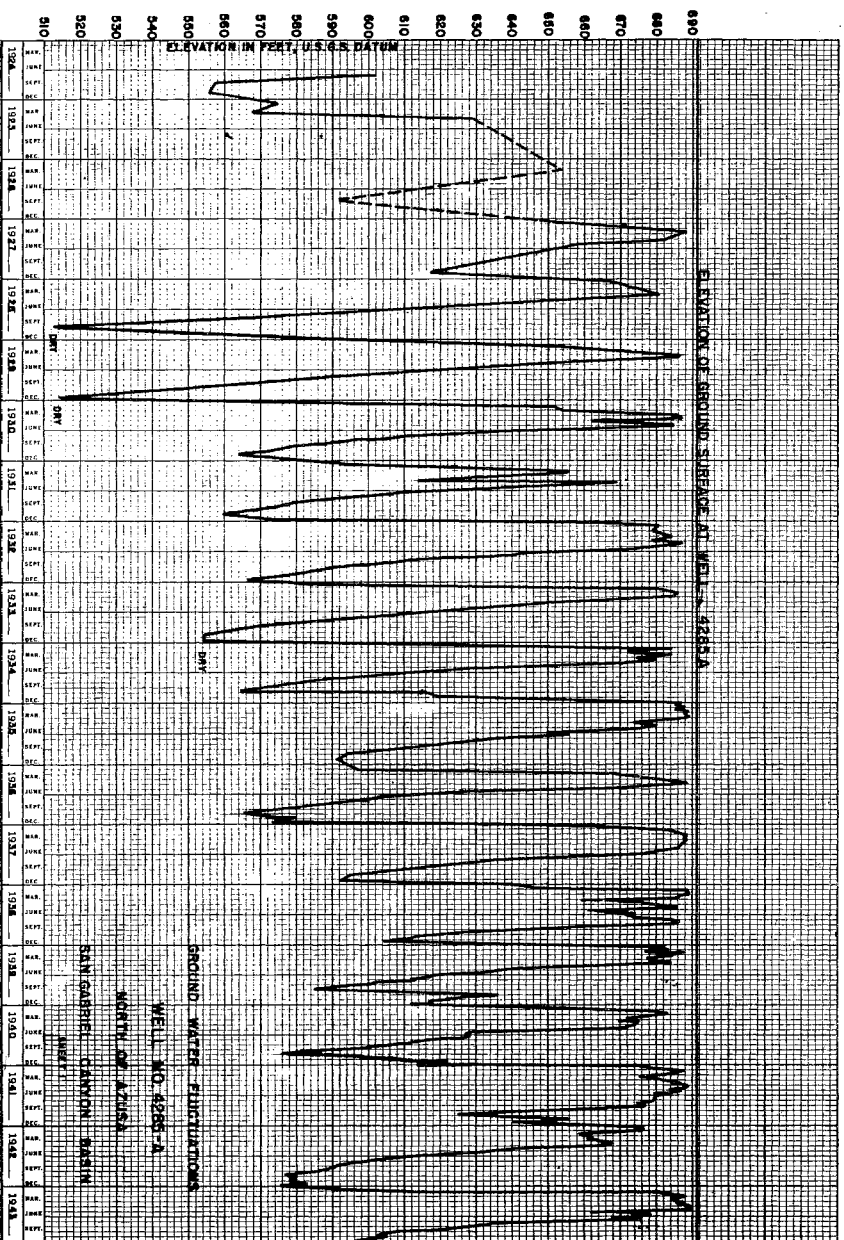
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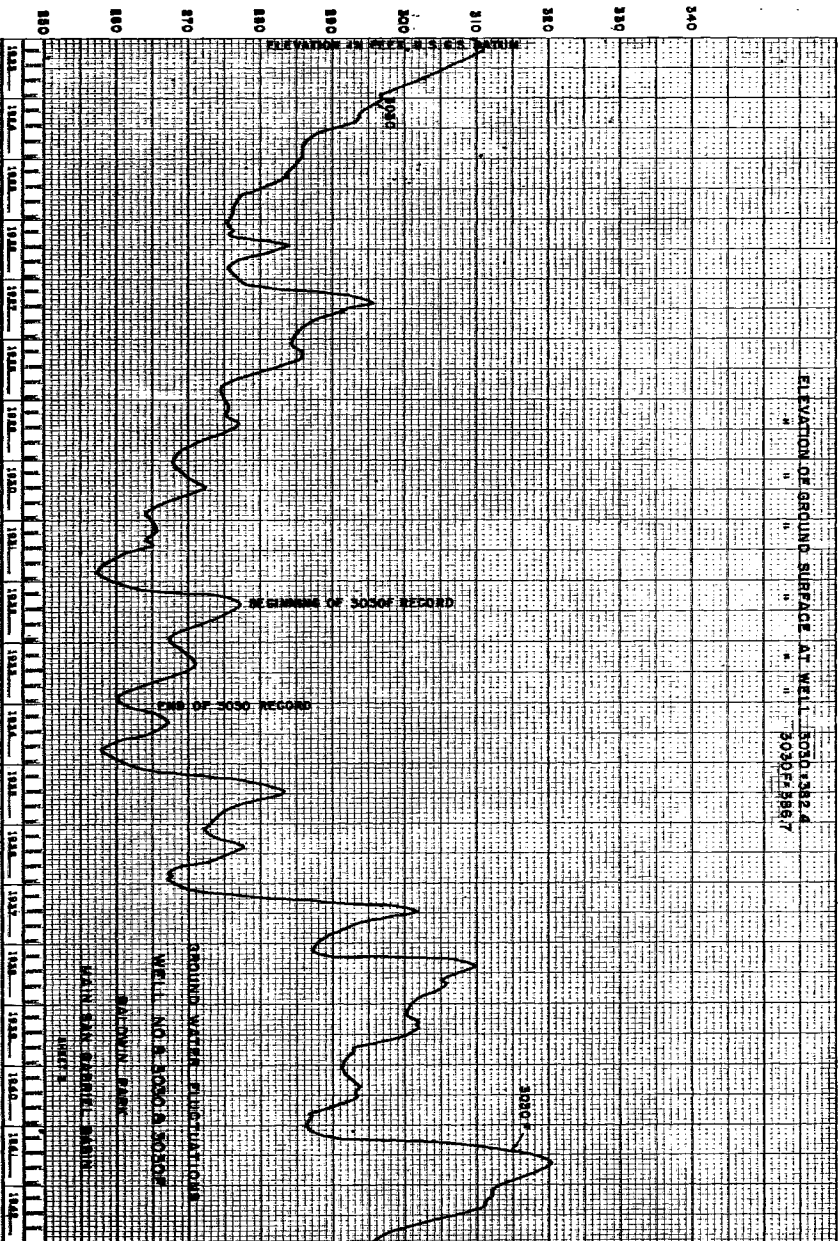
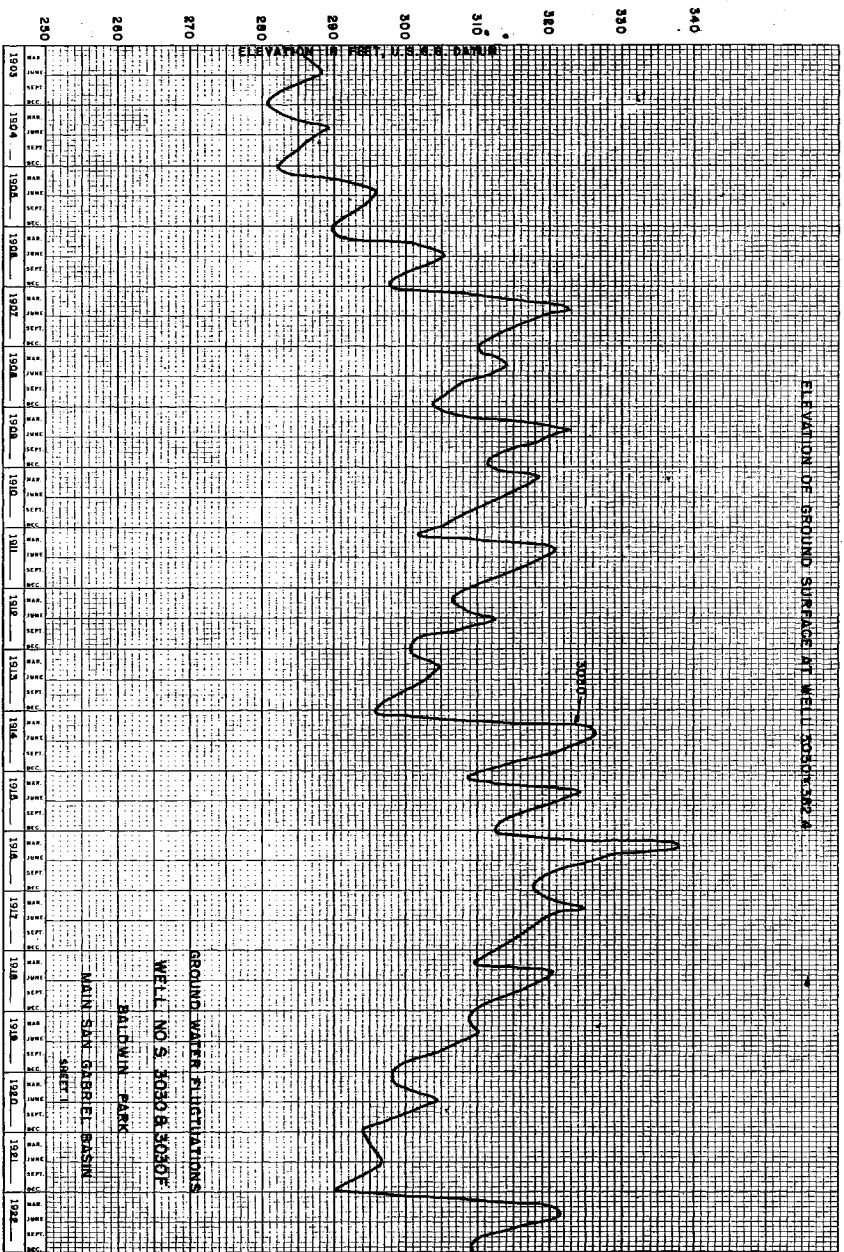
SCALE
1" = 1 MILE

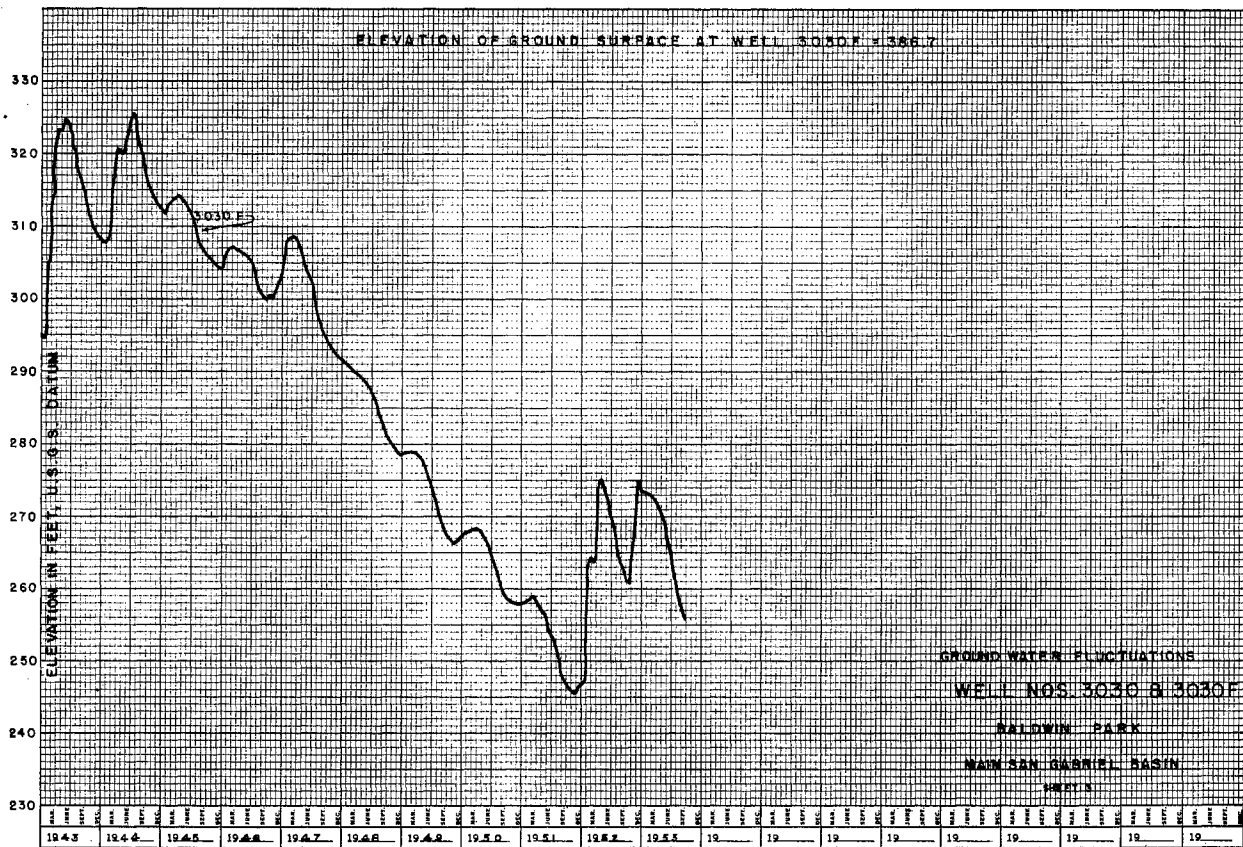


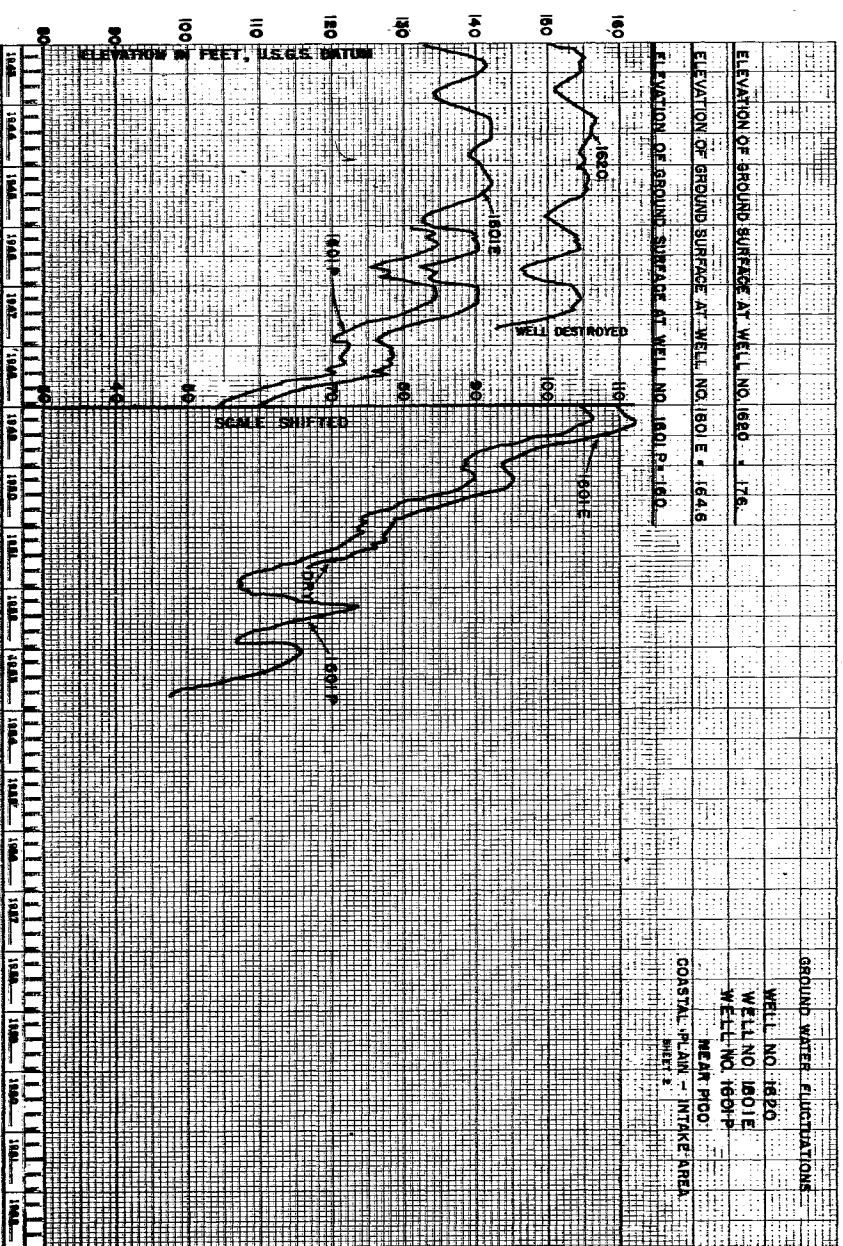
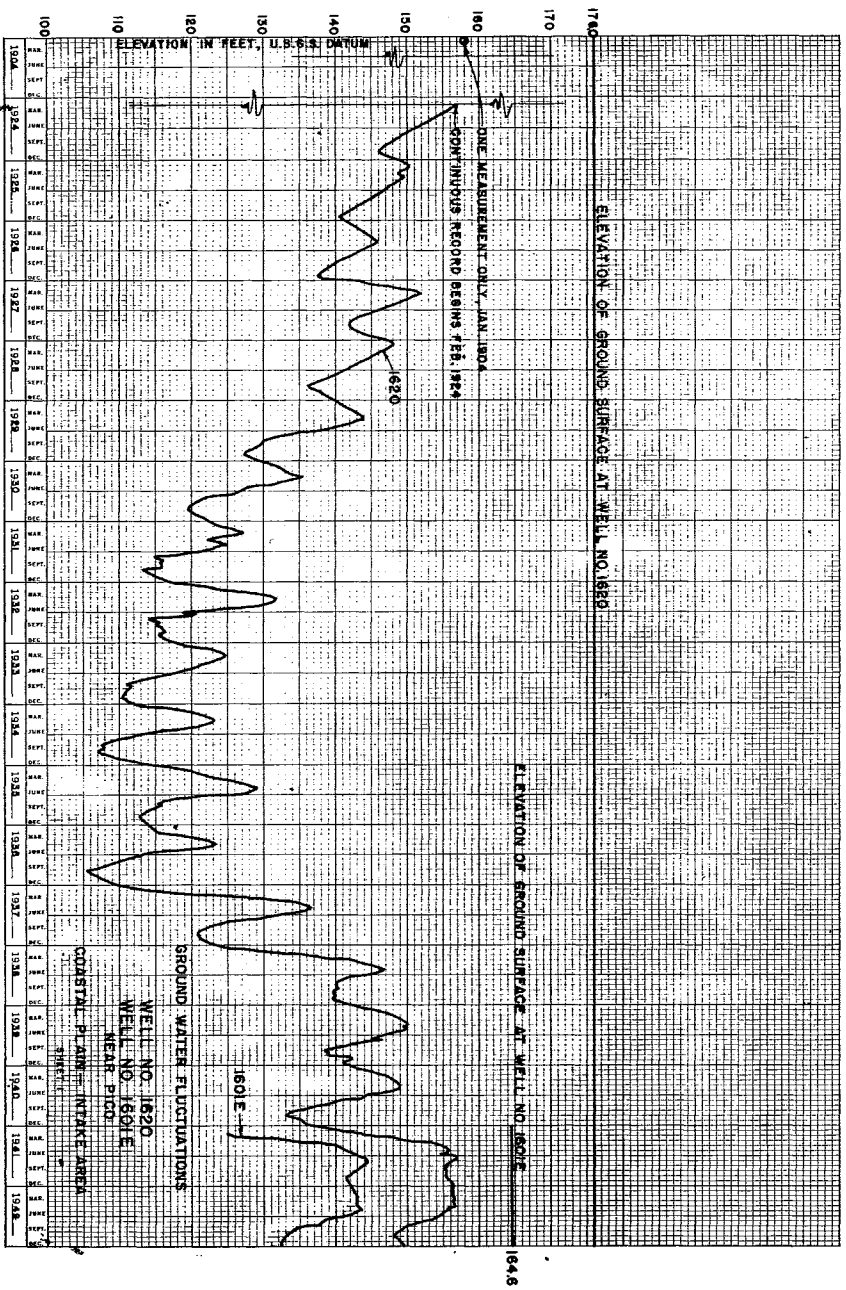


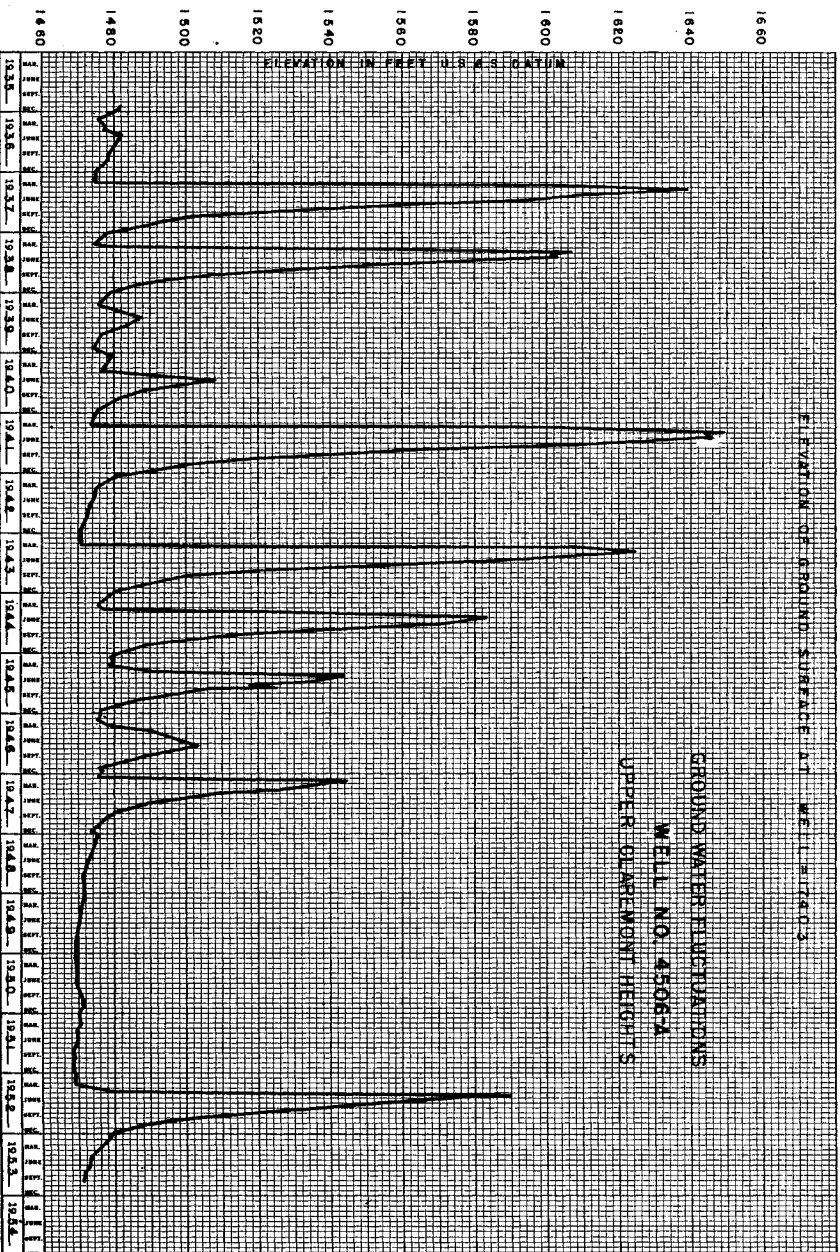
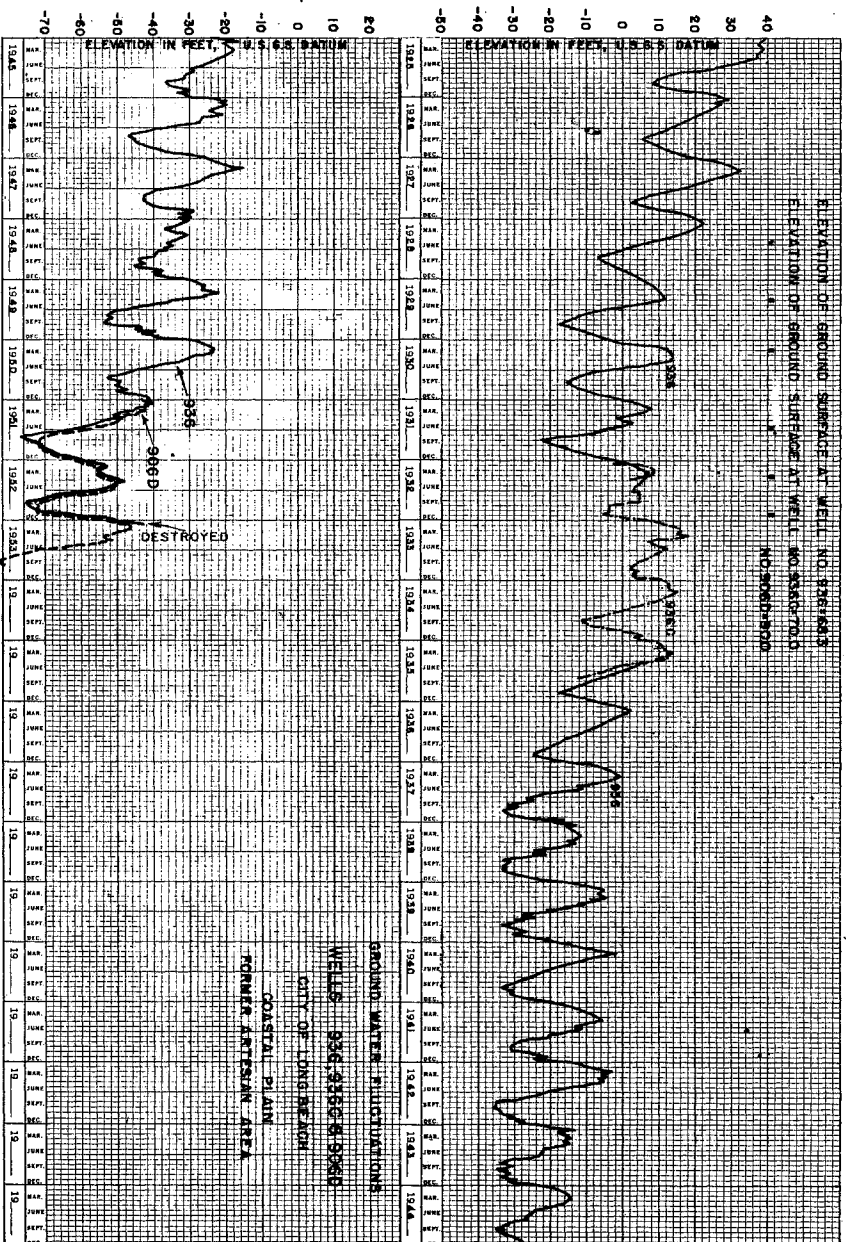


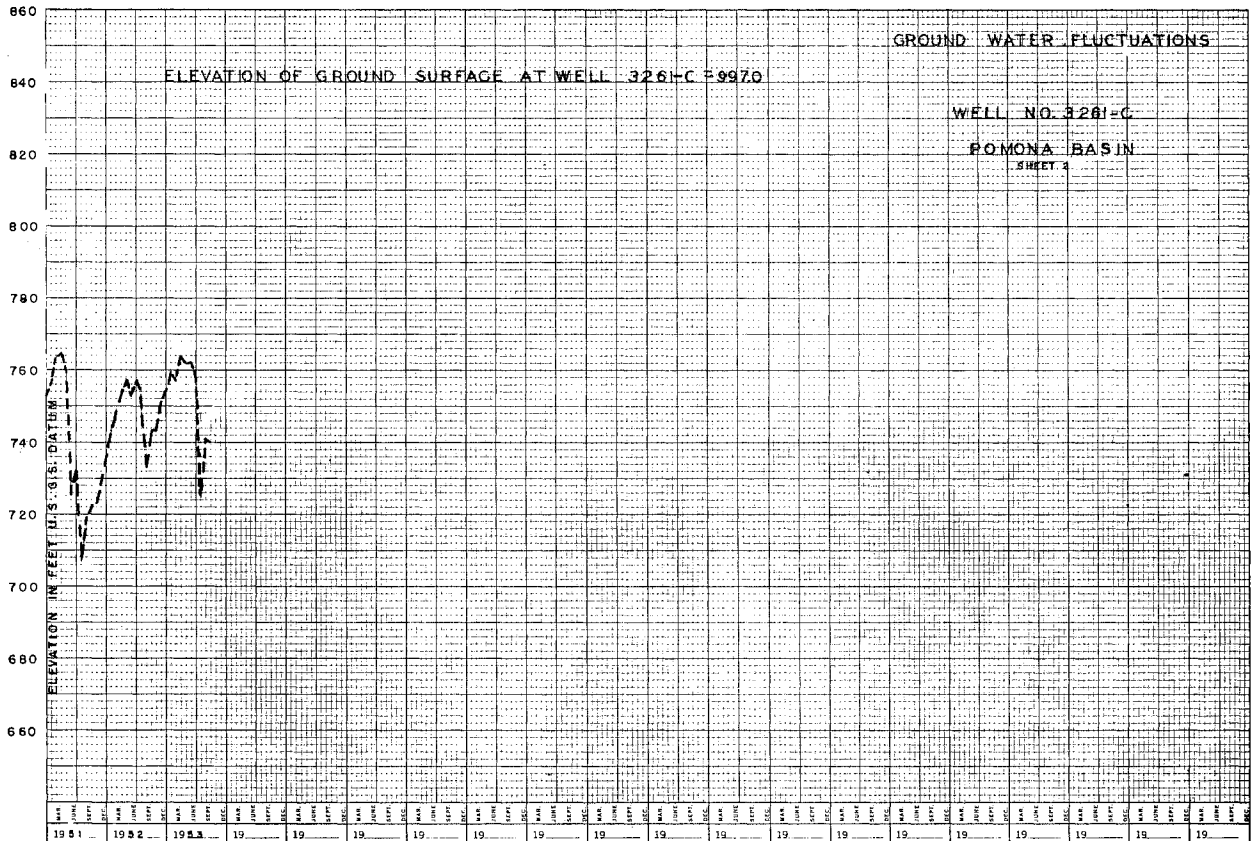
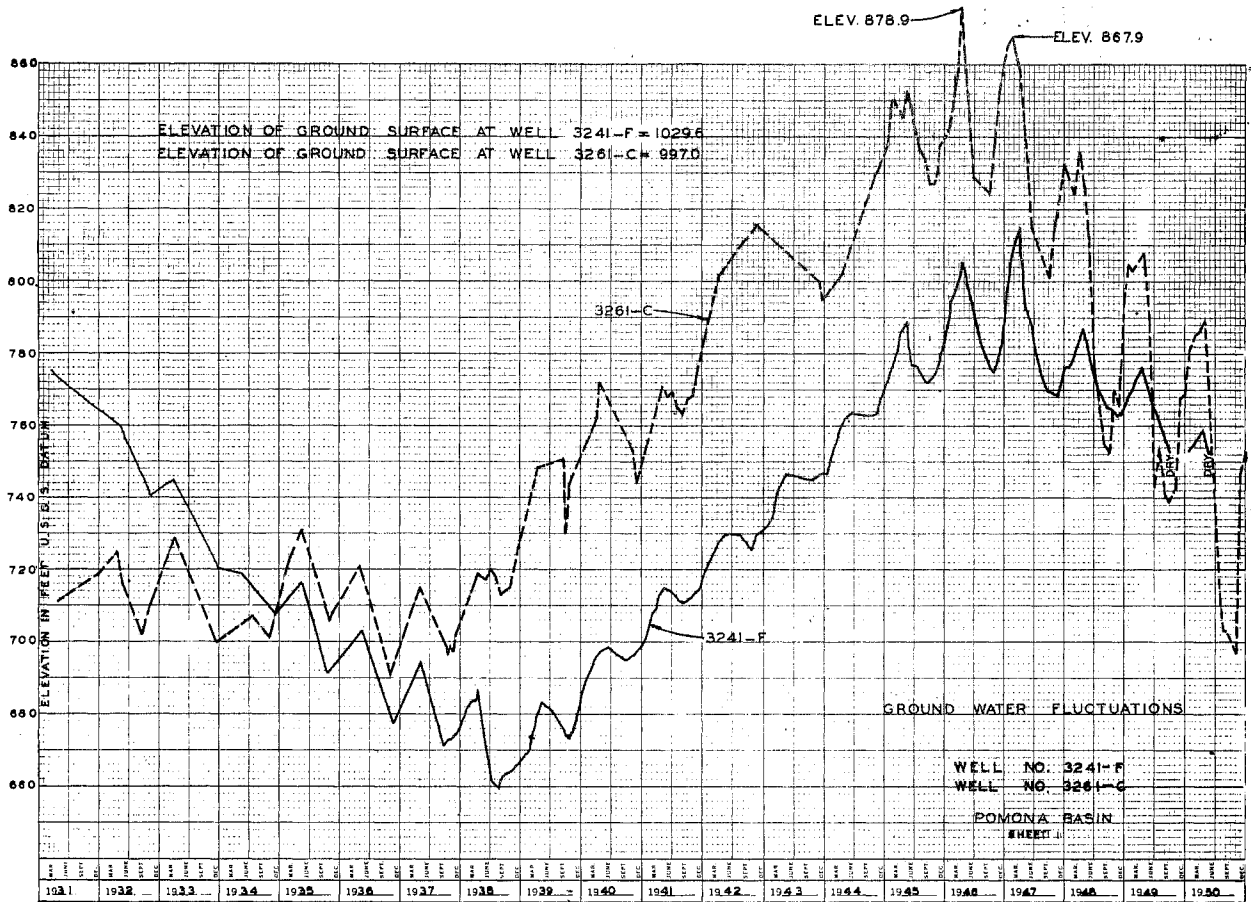


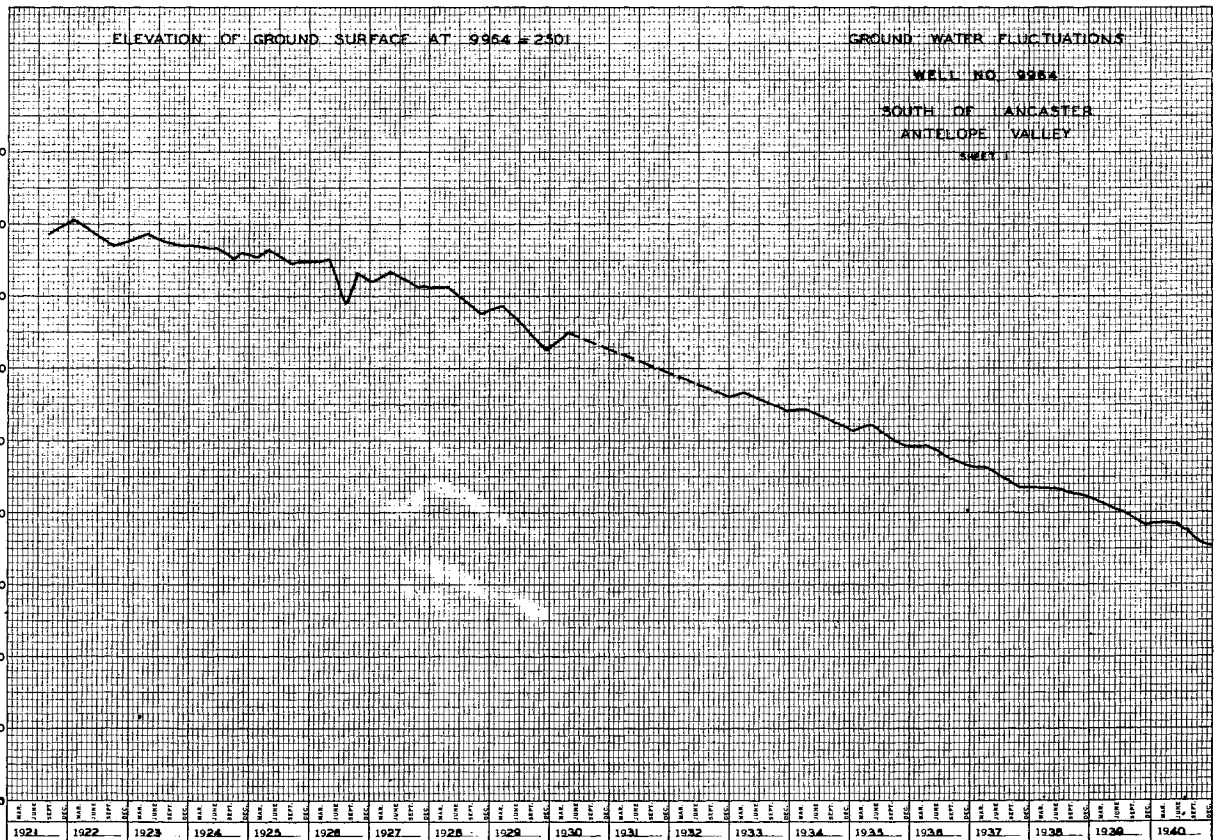
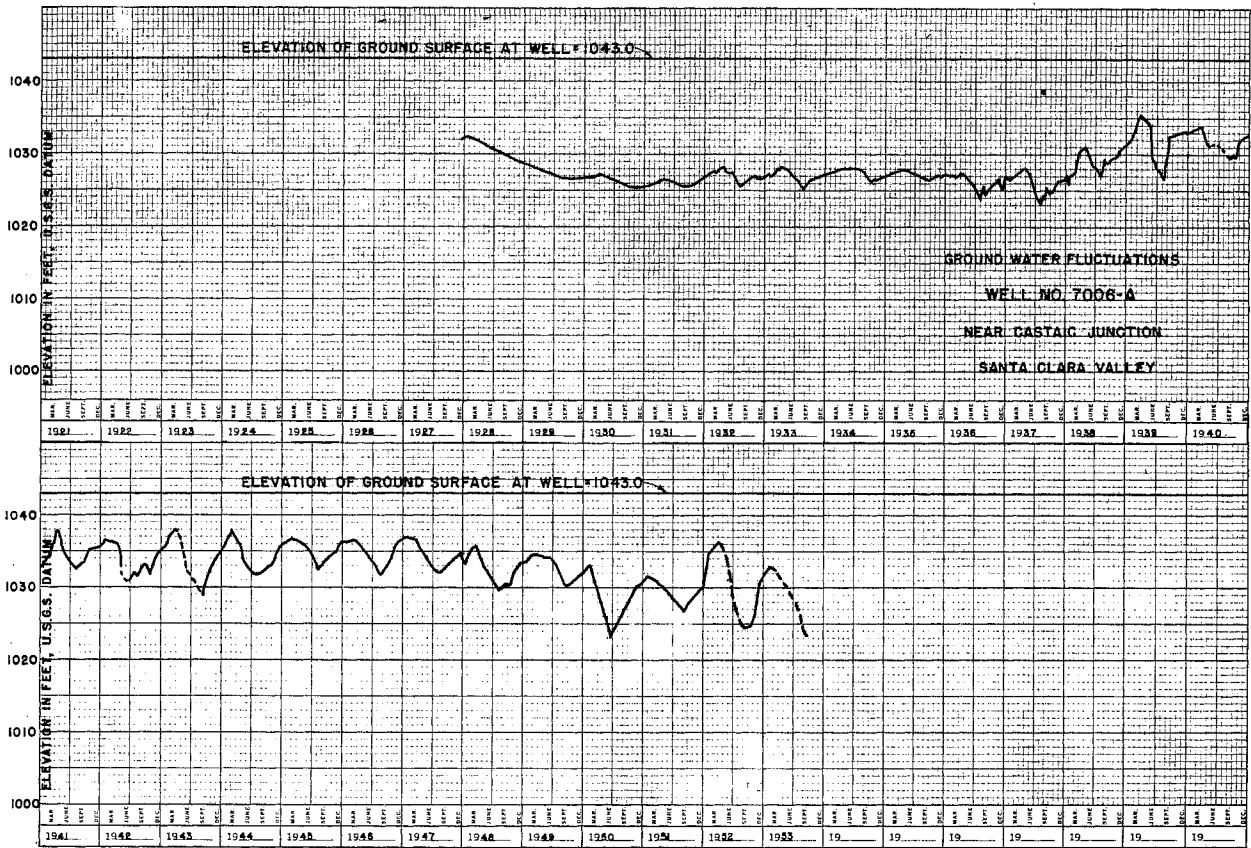


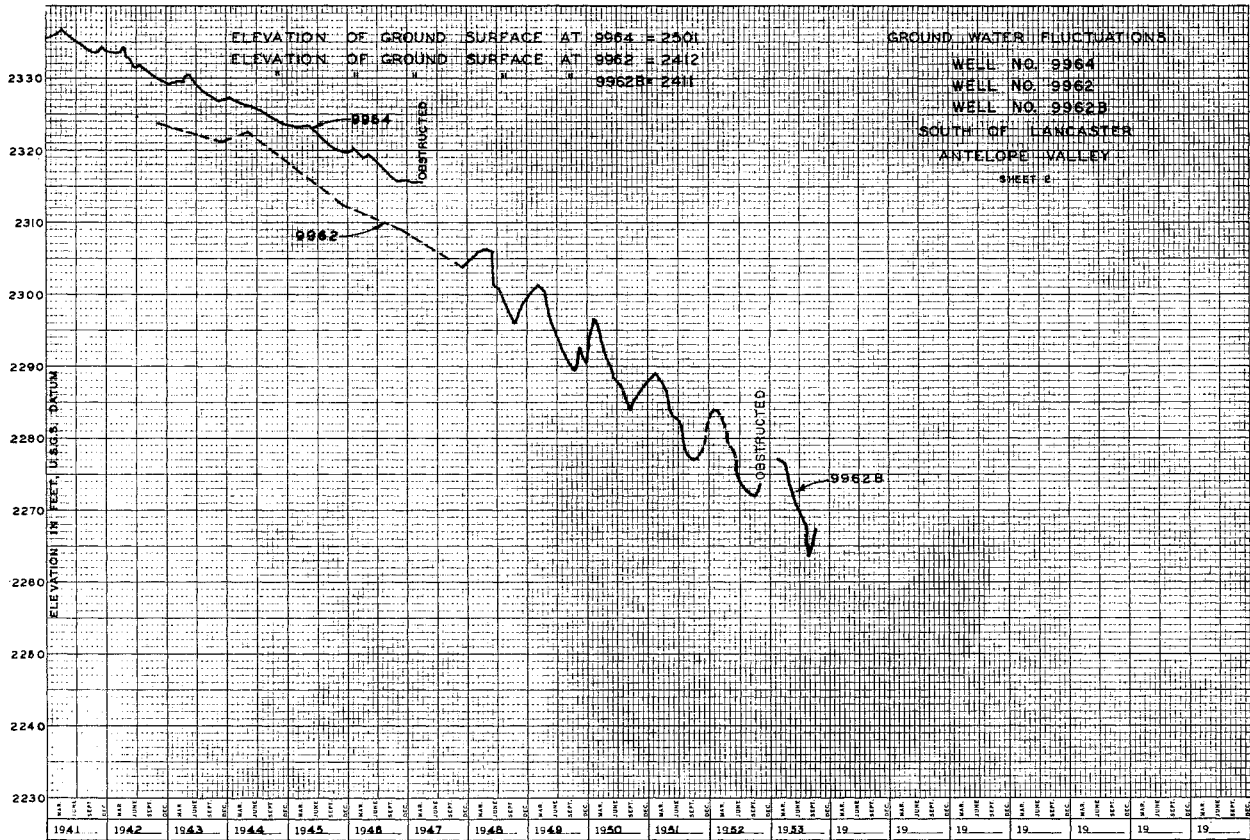


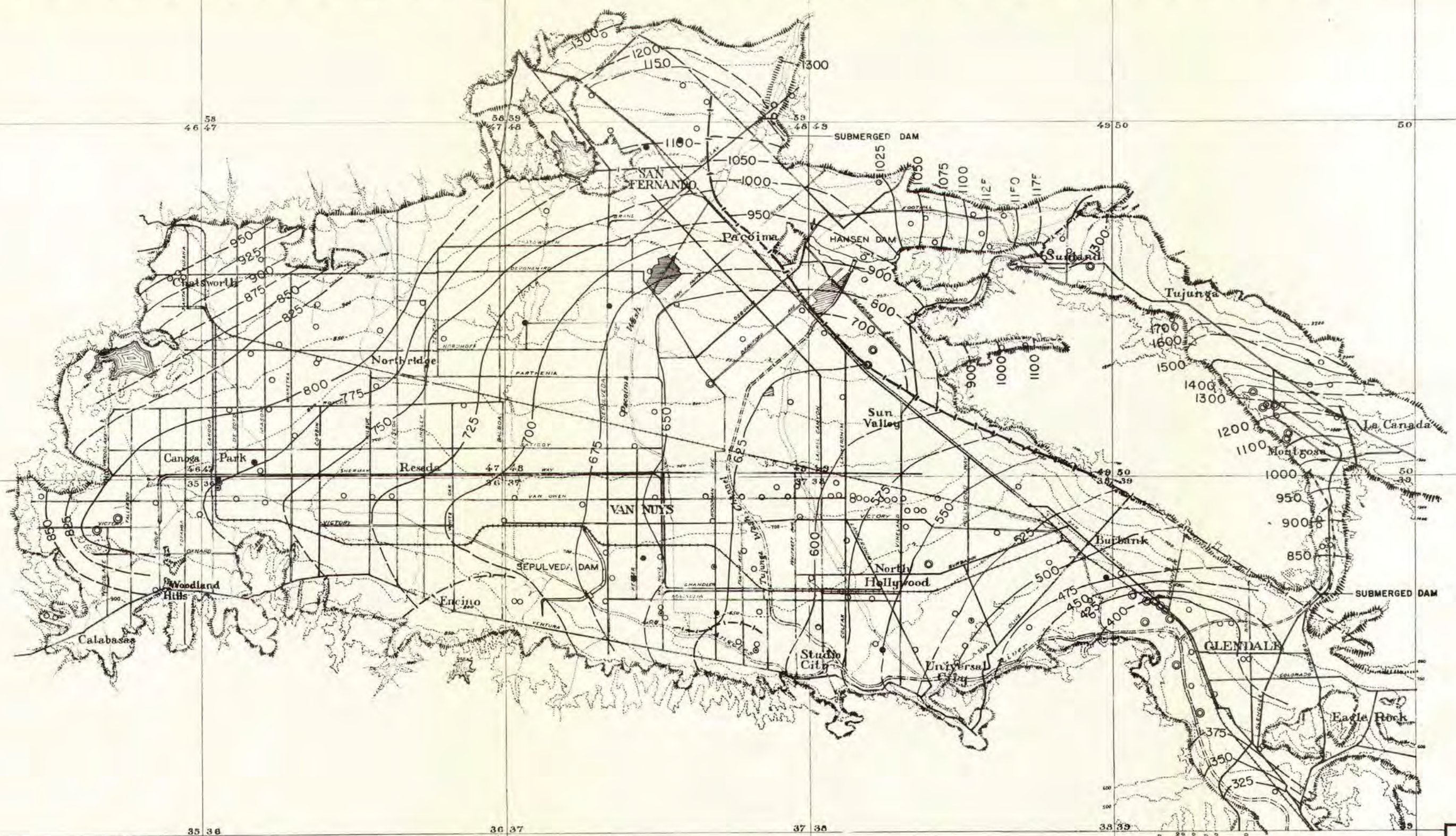












LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◐ Wells of shallow depth, with perched water indications.

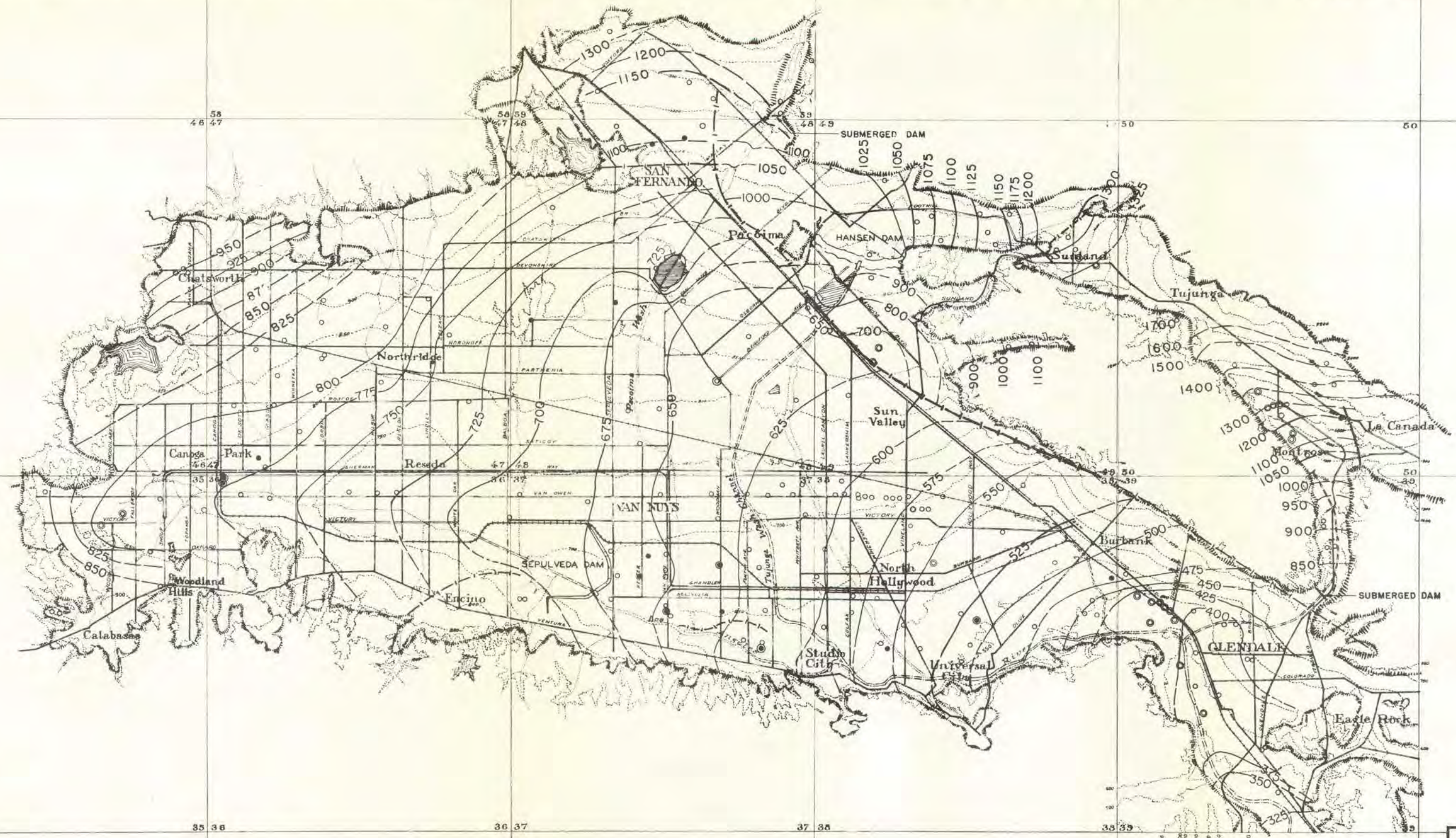
- Lines of equal ground water levels or of equal pressures
- - - Dillo, - location approximate
- - - Faults and other barriers to free ground water movement.
- Surface Contours
- ▨ Spreading Grounds

Scale in Miles
F = Flowing Well.

MAP VI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			SAN FERNANDO VALLEY GROUND WATER CONTOURS	
			NOVEMBER, 1951	
APPROVED BY			 CIVIL ENGINEER	
SUBMITTED BY		RECOMMENDED BY		
 CIVIL ENGINEER		 ASSISTANT CIVIL ENGINEER		
DATE		NO. 19-H 47		
MAY 1953		SHEET 1 OF 1		

PREPARED BY A.E.B. 12/15/52
 TRACED BY O.L.A. 4/17/53
 CHECKED BY B.A.M. 1/24/53



34° 18'

34° 12'

34° 06'

58
46 47

50

50

35 36

36 37

37 38

38 39

118° 42'

118° 36'

118° 30'

118° 24'

118° 18'

118° 12'



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ⊙ Wells as above, except under heavy drought, or affected by heavy drought on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ⊙ Wells of shallow depth, with perched water indications.

- Lines of equal ground water levels or of equal pressures
- - - Ditto, - location approximate
- Faults and other barriers to free ground water movement.
- Surface Contours
- ▨ Spreading Grounds

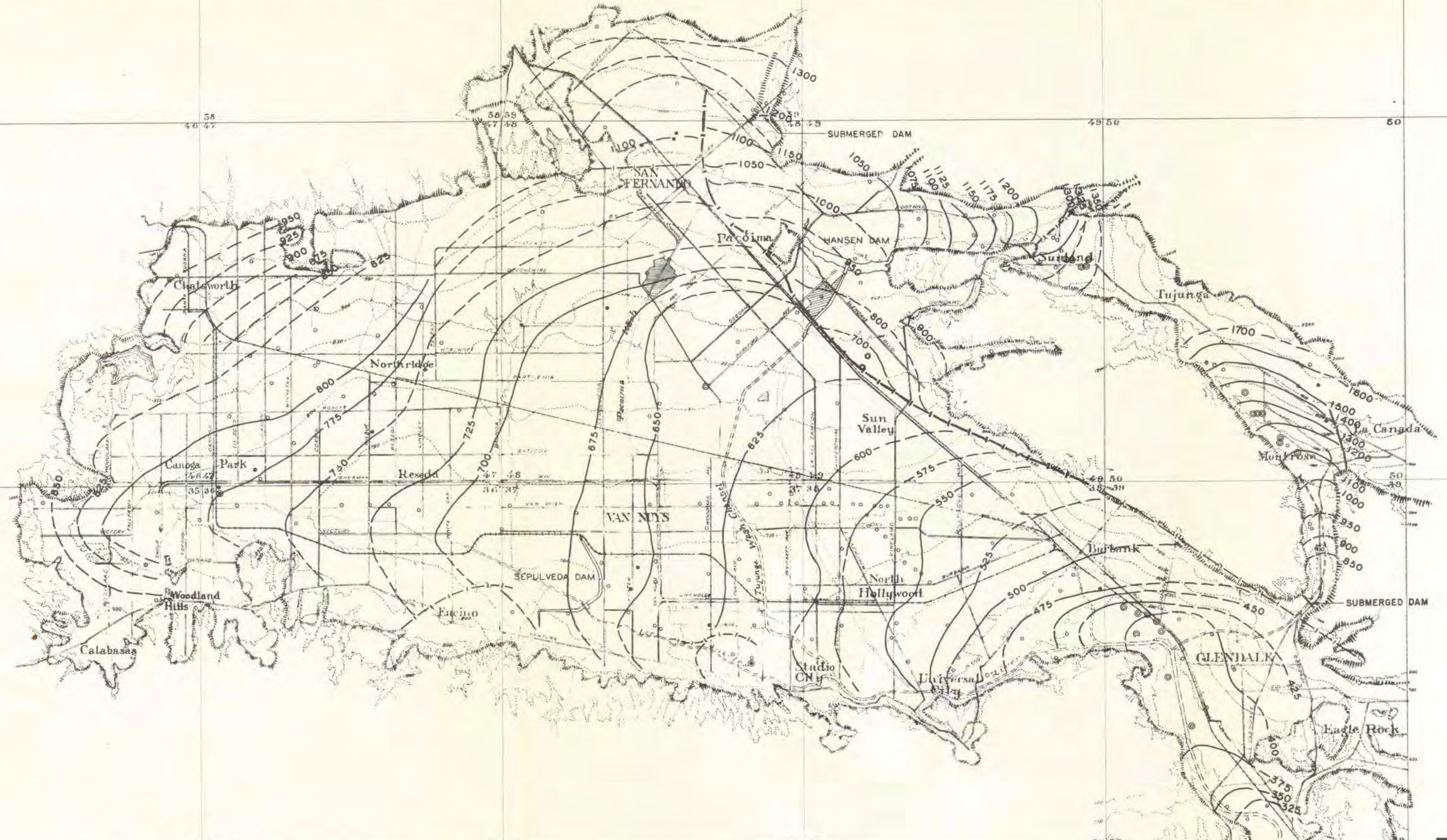
Scale in Miles

F = Flowing Well.

PREPARED BY A.C.B. 12/1/52
 TRACED BY G.K. 4/1/53
 CHECKED BY G.M. 11/2/53

MAP VII

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			SAN FERNANDO VALLEY GROUND WATER CONTOURS	
			APRIL, 1952	
			APPROVED BY: <i>H. Hedger</i> 7/1/52 CHIEF ENGINEER	
SUBMITTED BY: <i>Julius B. Lovett</i> 7/1/52 CHIEF HYDRAULIC DIVISION		DRAWN BY: <i>Paul Hansen</i> 7/1/52 ASSISTANT CHIEF ENGINEER		DATE: MAY 1953
			NO. 19-H48	SHEET 1 OF 1



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- ◐ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◑ Wells of shallow depth, with perched water indications.

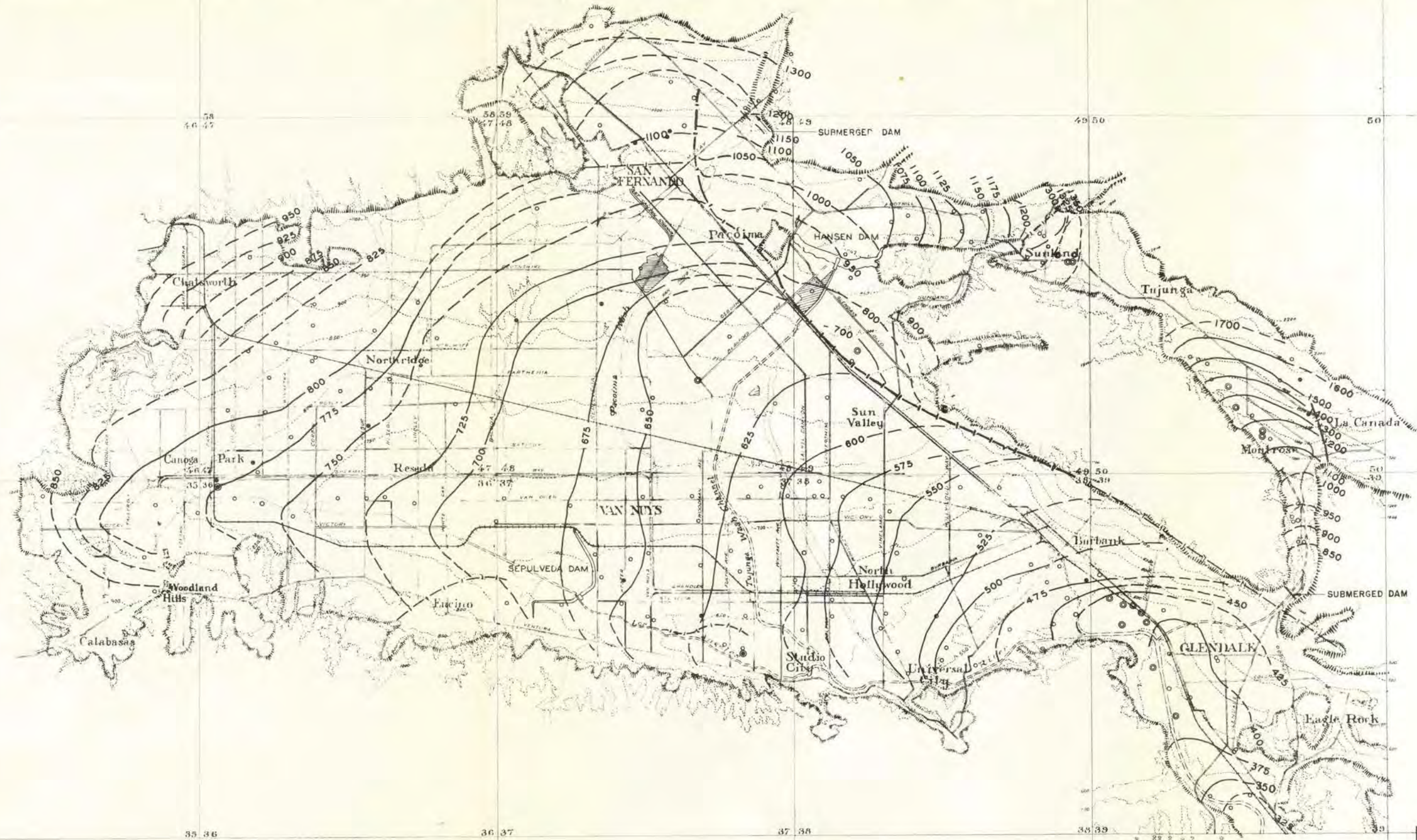
- Lines of equal free ground water levels or of equal pressures
- - - Ditto, - location approximate
- - - Faults and other barriers to free ground water movement.
- Surface Contours
- ▨ Spreading Grounds

Scale in Miles
F = Flowing Well.

MAP VIII

REVISIONS		LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION	
		SAN FERNANDO VALLEY GROUND WATER CONTOURS	
		NOVEMBER 1952	
		APPROVED BY <i>[Signature]</i> CHIEF ENGINEER	
SUBMITTED BY <i>[Signature]</i>		RECOMMENDED BY <i>[Signature]</i>	
DATE		NO. 19-H49	
Apr. 1954		SHEET 1 of 1	

PREPARED BY JAM 12-7-52
TRACED BY ETT
CHECKED BY SPS/12-7-52



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforation.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
- ◐ Wells of shallow depth, with perched water indications.

- Lines of equal free ground water levels or of equal pressures
- - - Ditto, - location approximate
- Faults and other barriers to free ground water movement.
- Surface Contours
- ▨ Spreading Grounds

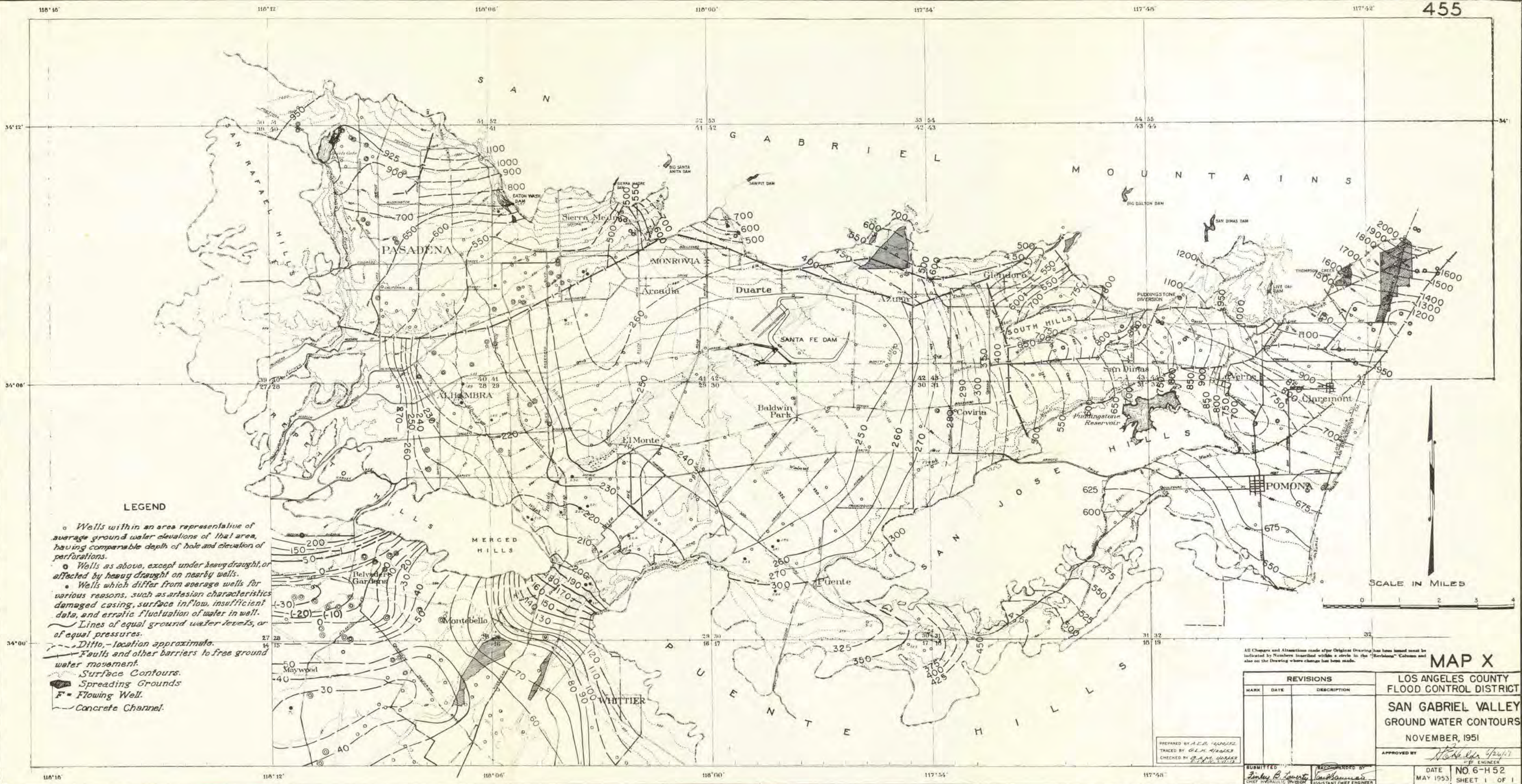
Scale in Miles
F = Flowing Well.

MAP IX

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			SAN FERNANDO VALLEY GROUND WATER CONTOURS	
			APRIL 1953	
			APPROVED BY <i>[Signature]</i> 4/26/54 CIVIL ENGINEER	
SUBMITTED BY <i>[Signature]</i>		RECOMMENDED BY <i>[Signature]</i>	DATE	NO 19-H50
			Apr 1954	SHEET 1 OF 1

PREPARED BY BHAM 12-1-53
TRACED BY *[Signature]*
CHECKED BY *[Signature]*

115 42 118 30' 118 30' 118 24' 118 18' 118 12'



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal ground water levels, or of equal pressures.
- - - Ditto, - location approximate.
- - - Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

SCALE IN MILES

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inserted within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP X

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
NOVEMBER, 1951

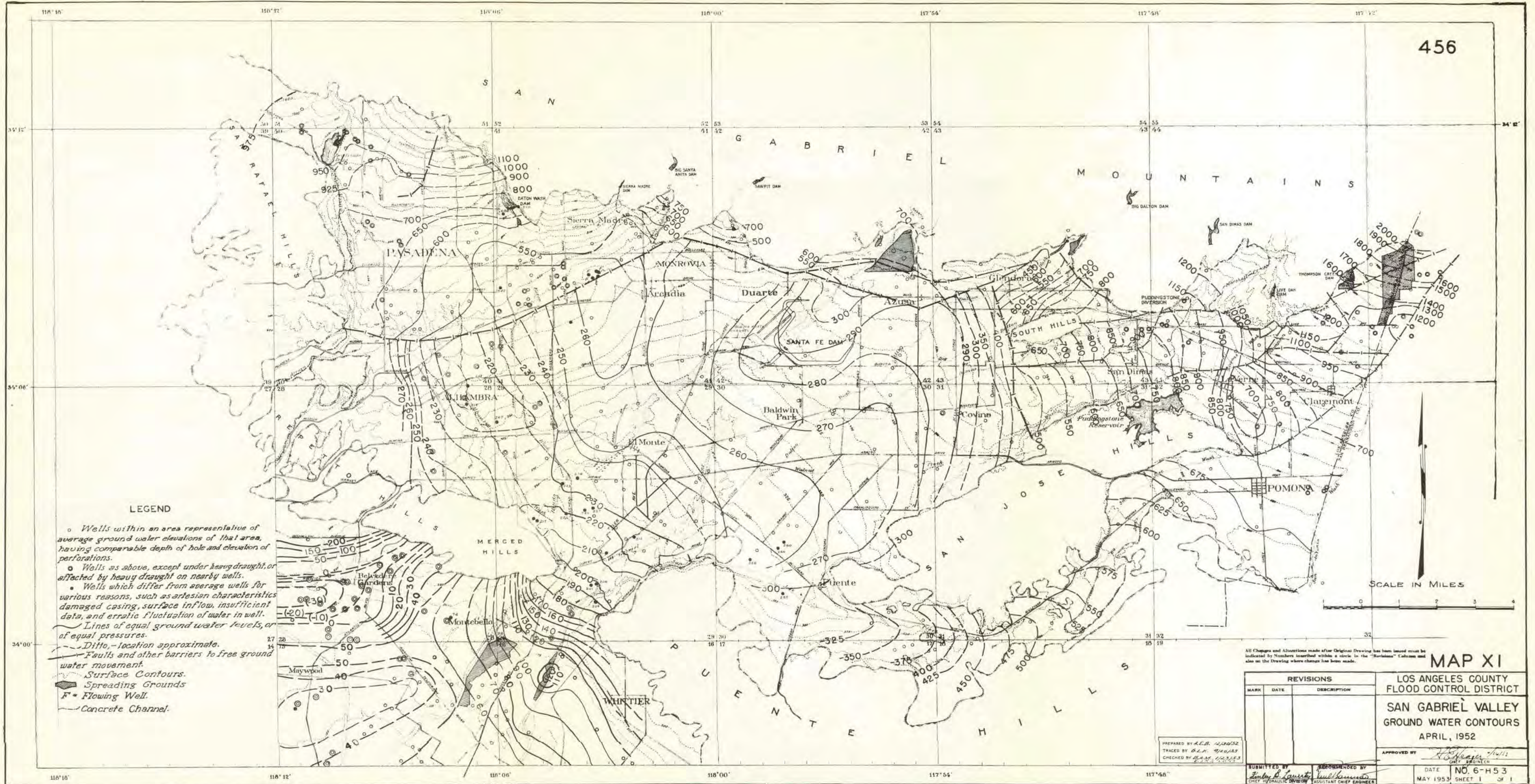
REVISIONS		
MARK	DATE	DESCRIPTION

APPROVED BY: *Stanley J. ...*
CHIEF ENGINEER

PREPARED BY: A.E.B. ...
TRACED BY: G.L.M. ...
CHECKED BY: G.A.M. ...

RECOMMENDED BY: *Stanley J. ...*
ASSISTANT CHIEF ENGINEER

DATE: NOV 1953
NO. 6-H 52
SHEET 1 OF 1



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal ground water levels, or of equal pressures.
- - - Ditto, - location approximate.
- - - Faults and other barriers to free ground water movement.
- Surface Contours.
- ▨ Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inserted within a circle in the "Revisions" Column and also on the Drawing where change has been made.

MAP XI

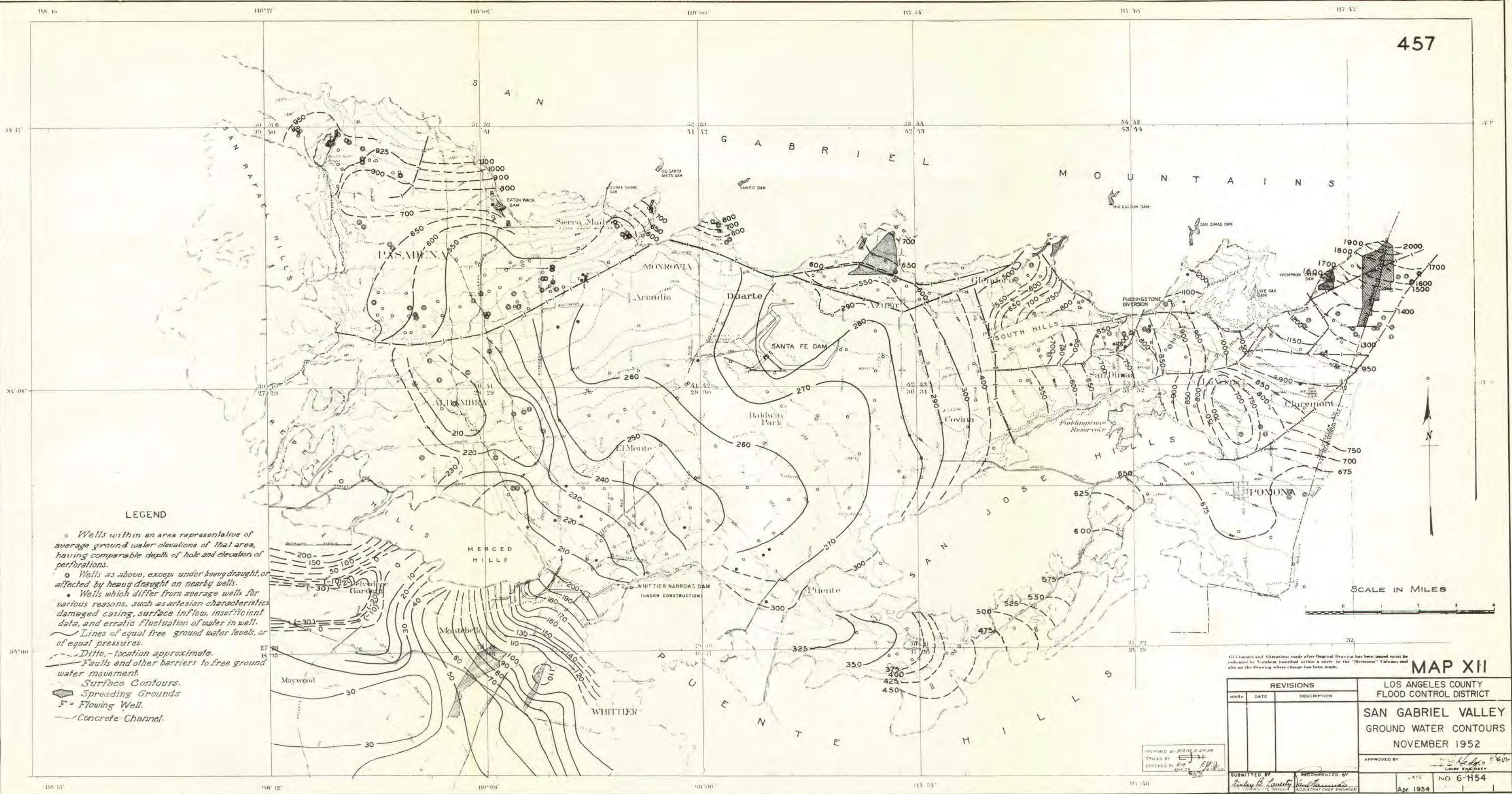
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL, 1952

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY A.E.B. 11/20/52
TRACED BY G.L.P. 2/16/53
CHECKED BY G.M. 11/23/53

SUBMITTED BY *Forbes C. Casper*
CHIEF HYDRAULIC DIVISION

APPROVED BY *W.H. ...*
DATE MAY 1953
NO. 6-H-53
SHEET 1 OF 1



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- - - Ditto, - location approximate.
- - - Faults and other barriers to free ground water movement.
- Surface Contours.
- ▭ Spreading Grounds
- F = Flowing Well.
- Concrete Channel.

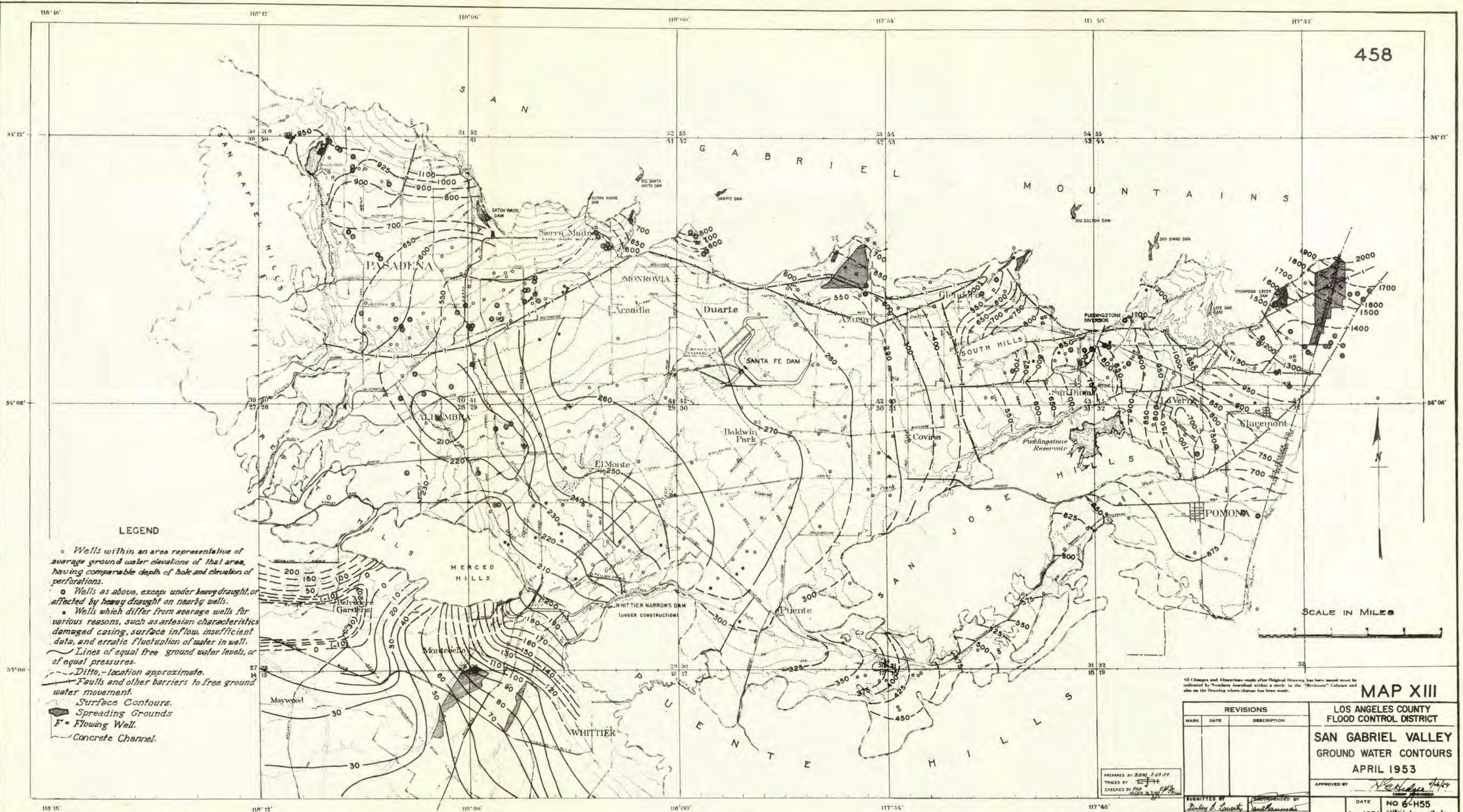
112 E numbers and elevations made after Original Drawing has been issued must be indicated by numbers inserted within a circle in the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS		
NO.	DATE	DESCRIPTION

MAP XII
 LOS ANGELES COUNTY
 FLOOD CONTROL DISTRICT
 SAN GABRIEL VALLEY
 GROUND WATER CONTOURS
 NOVEMBER 1952

APPROVED BY: *[Signature]*
 SUBMITTED BY: *[Signature]*
 RECOMMENDED BY: *[Signature]*

NO 6-H54
 Apr 1954



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths of hole and elevation of perforations.
- Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
- Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuation of water in well.
- Lines of equal free ground water levels, or of equal pressures.
- - - Ditto, location approximate.
- - - Faults and other barriers to free ground water movement.
- Surface Contours.
- Spreading Grounds.
- F = Flowing Well.
- Concrete Channel.

SCALE IN MILES

MAP XIII
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SAN GABRIEL VALLEY
GROUND WATER CONTOURS
APRIL 1953

REVISIONS		
MARK	DATE	DESCRIPTION

APPROVED BY: *[Signature]*

DATE: APR 1953

NO 6-H55

PREPARED BY: *[Signature]*

TRACED BY: *[Signature]*

CHECKED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATE: APR 1953

PREPARED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATE: APR 1953



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
 - ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
 - Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
 - Wells of shallow depth with perched water indications.
 - ⊕ Wells of deep water strata, not related to those of average wells.
 - Lines of equal ground water levels, or of equal pressures.
 - - - Ditto, - location approximate.
 - Faults and other barriers to free ground water movement.
 - - - Approximate line marking transition from free ground water levels to ground water pressure levels. (Limits north of barriers D.W.R. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
 - ▨ Los Angeles County Flood Control District Spreading Grounds.
 - ~ Surface Contours
 - ⊕ Flowing Well
- Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

SCALE IN MILES

MAP XIV

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inserted within a circle in the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			COASTAL PLAIN GROUND WATER CONTOURS	
			NOVEMBER, 1951	
			APPROVED BY: <i>[Signature]</i>	
			SUBMITTED BY: <i>[Signature]</i>	
			DATE: MAY 1953	
			NO. 2-H104	
			SHEET	

PREPARED BY: *[Signature]*
TRACES BY: *[Signature]*
CHECKED BY: *[Signature]*

RECOMMENDED BY: *[Signature]*
CHIEF, HYDRAULIC DIVISION

ASSISTANT CHIEF, ENGINEER



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations.
 - ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
 - Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
 - ⊕ Wells of shallow depth with perched water indications.
 - ⊗ Wells of deep water strata, not related to those of average wells.
 - Lines of equal ground water levels, or of equal pressures.
 - - - Ditto, - location approximate.
 - Faults and other barriers to free ground water movement.
 - - - Approximate line marking transition from free ground water levels to ground water pressure levels (Limits north of barriers DWR. Bull. #45, 1933; south of barriers U.S.G.S., 1947)
 - ▨ Los Angeles County Flood Control District
 - ▨ Spreading Grounds
 - Surface Contours
 - ⊕ Flowing Well
- Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum.

SCALE IN MILES

MAP XV

All Changes and Alterations made after Original Printing has been issued must be indicated by Numbers circled with a circle on the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
MARK	DATE	DESCRIPTION	
			COASTAL PLAIN GROUND WATER CONTOURS APRIL, 1952

APPROVED BY: *[Signature]* Chief Engineer

DATE: MAY 1953

NO. 2-H105 SHEET OF

PREPARED BY: *[Signature]*
 TRACED BY: *[Signature]*
 CHECKED BY: *[Signature]*

SUBMITTED BY: *[Signature]* Chief Hydraulic Division
 APPROVED BY: *[Signature]* Assistant Chief Engineer



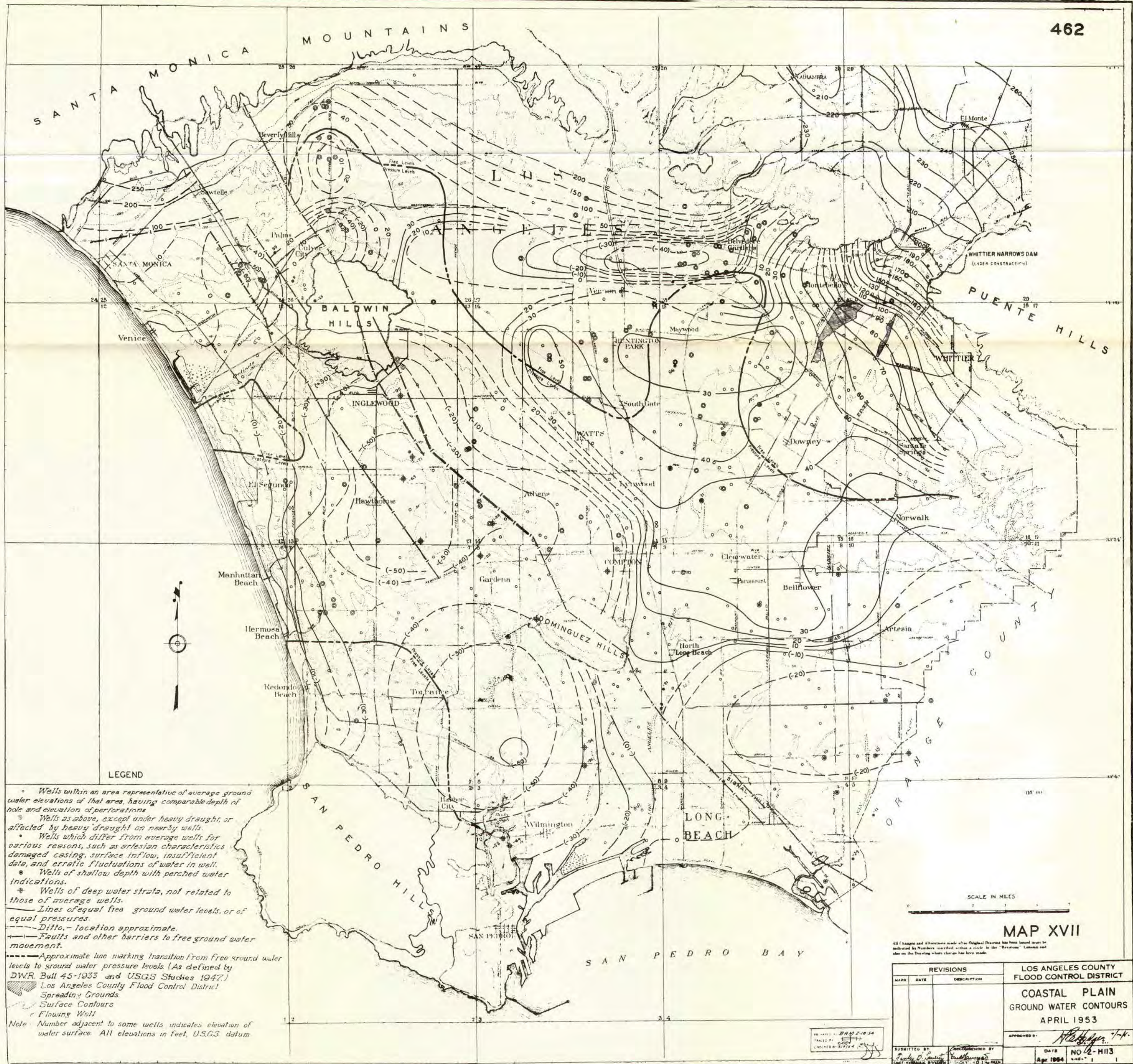
LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depths of hole and elevation of perforations
 - ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells.
 - ⊛ Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
 - ⊚ Wells of shallow depth with perched water indications.
 - ⊛ Wells of deep water strata, not related to those of average wells.
 - Lines of equal free ground water levels, or of equal pressures.
 - - - - - Ditto, - location approximate.
 - Faults and other barriers to free ground water movement.
 - - - - - Approximate line marking transition from free ground water levels to ground water pressure levels. (As defined by DWR. Bull. 45-1933 and USGS Studies 1947.)
 - ▨ Los Angeles County Flood Control District Spreading Grounds
 - ~ Surface Contours
 - ⊕ Flowing Well
- Note - Number adjacent to some wells indicates elevation of water surface. All elevations in feet, USGS datum.

SCALE IN MILES

MAP XVI

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			COASTAL PLAIN GROUND WATER CONTOURS	
			NOVEMBER 1952	
			APPROVED BY: <i>[Signature]</i>	
			DATE: NOV 1952	
			NO. 2-H112	
			SHEET 1	



LEGEND

- Wells within an area representative of average ground water elevations of that area, having comparable depth of hole and elevation of perforations
 - ⊙ Wells as above, except under heavy draught, or affected by heavy draught on nearby wells
 - ⊕ Wells which differ from average wells for various reasons, such as artesian characteristics, damaged casing, surface inflow, insufficient data, and erratic fluctuations of water in well.
 - ⊖ Wells of shallow depth with perched water indications.
 - ⊗ Wells of deep water strata, not related to those of average wells.
 - Lines of equal free ground water levels, or of equal pressures.
 - - - Ditto, - location approximate.
 - Faults and other barriers to free ground water movement.
 - - - Approximate line marking transition from free ground water levels to ground water pressure levels (As defined by DWR Bull 45-1933 and USGS Studies 1947.)
 - ▨ Los Angeles County Flood Control District Spreading Grounds.
 - ⌒ Surface Contours
 - ⊕ Flowing Well
- Note: Number adjacent to some wells indicates elevation of water surface. All elevations in feet, U.S.G.S. datum

SCALE IN MILES

MAP XVII

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inserted within a circle in the "Revisions" Tables and also on the Drawing where change has been made.

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			COASTAL PLAIN GROUND WATER CONTOURS	
			APRIL 1953	
			APPROVED: <i>[Signature]</i>	
SUBMITTED BY: <i>[Signature]</i>		RECOMMENDED BY: <i>[Signature]</i>		DATE: NO 12 - 1113
				Apr 1954



LEGEND

- Wells representative of average groundwater elevation in areas tapping San Pedro zones and/or deep correlative undifferentiated Pleistocene zones
- Lines of equal pressure levels
- - - Lines of equal pressure levels - location approximate
- ▨ Los Angeles County Flood Control District Spreading Grounds
- (---) Surface Contours

All elevations in feet, U.S.G.S. datum.

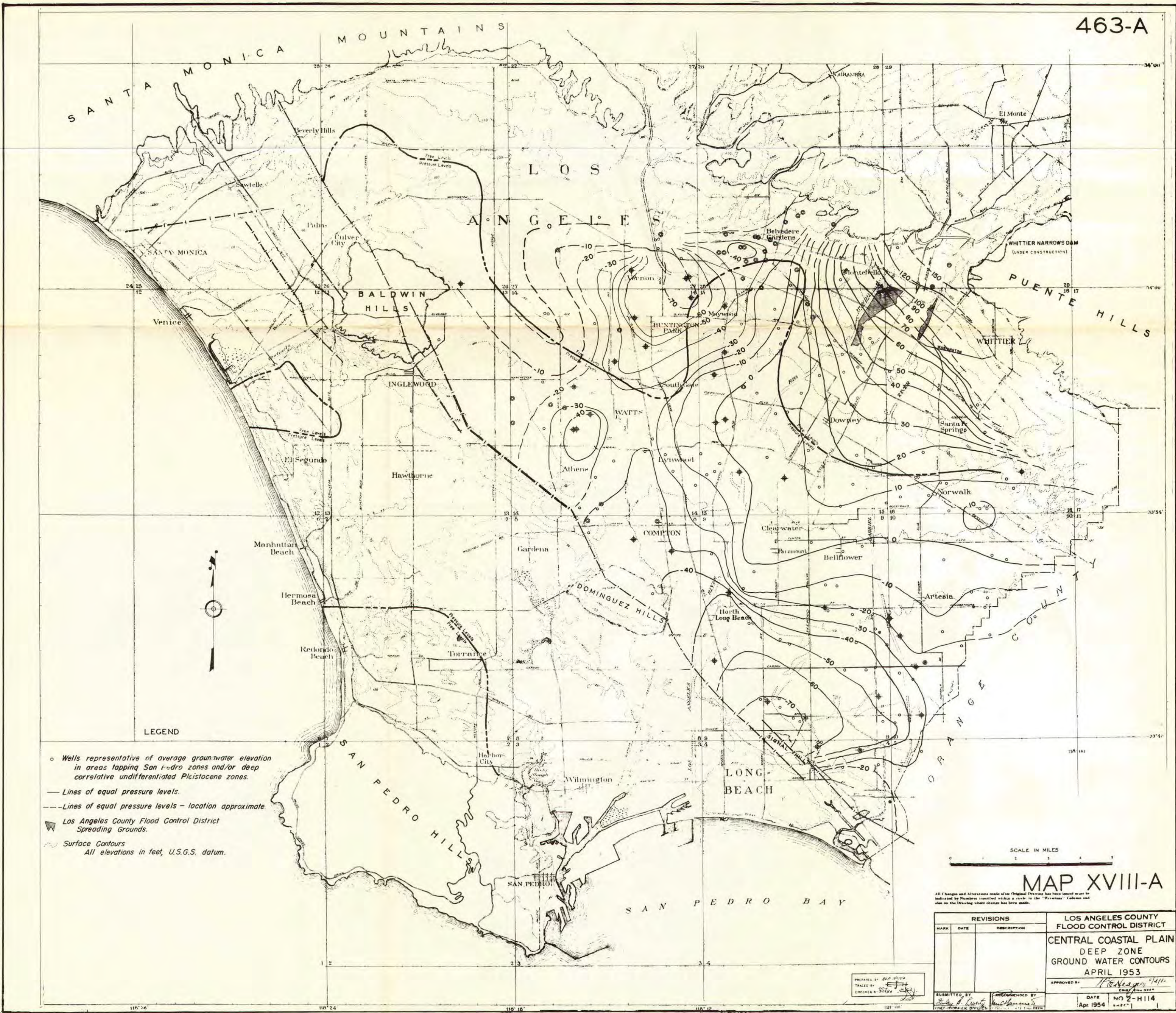
SCALE IN MILES

MAP XVIII

All Changes and Alterations made after Original Issue of this map issued from as indicated by Numbers inscribed within a circle in the "Revisions" Table and also on the Drawing where change has been made.

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT CENTRAL COASTAL PLAIN DEEP ZONE GROUND WATER CONTOURS APR - MAY 1952	
PREPARED BY: C.A.M. TRACED BY: J.H.A. CHECKED BY: E.J.Z.	APPROVED BY: <i>[Signature]</i>
SUBMITTED BY: <i>[Signature]</i> CHIEF, HYDRAULIC DIVISION	SCALE: 1" = 1 MILE DATE: Jan. 53 NO. 2-H10.6 SHEET 1 OF 1



LEGEND

- Wells representative of average ground water elevation in areas tapping San Pedro zones and/or deep correlative undifferentiated Pleistocene zones.
- Lines of equal pressure levels.
- - - Lines of equal pressure levels - location approximate.
- ▲ Los Angeles County Flood Control District Spreading Grounds.
- Surface Contours
All elevations in feet, U.S.G.S. datum.

SCALE IN MILES

MAP XVIII-A

All Changes and Alterations made after Original Drawing has been issued must be indicated by Numbers inserted within a circle in the "Revisions" Column and also on the Drawing where change has been made.

REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT	
MARK	DATE	DESCRIPTION		
			CENTRAL COASTAL PLAIN DEEP ZONE GROUND WATER CONTOURS	
			APRIL 1953	
			APPROVED BY: <i>[Signature]</i>	
SUBMITTED BY: <i>[Signature]</i>		RECOMMENDED BY: <i>[Signature]</i>		
DATE: Apr 1954		NO 2-H114		

PREPARED BY: *[Signature]*
TRACED BY: *[Signature]*
CHECKED BY: *[Signature]*



LEGEND

- Wells representative of average ground water conditions.
- ⊙ Wells as above except under heavy drought or affected by heavy drought of nearby wells.
- Wells with artesian characteristics. * Flowing Well.
- Lines of equal ground water levels.
- - - Lines of equal ground water levels, location approximate.
- Ground surface contours.
- Divides.

Note: All elevations are in feet, U.S.G.S. datum.



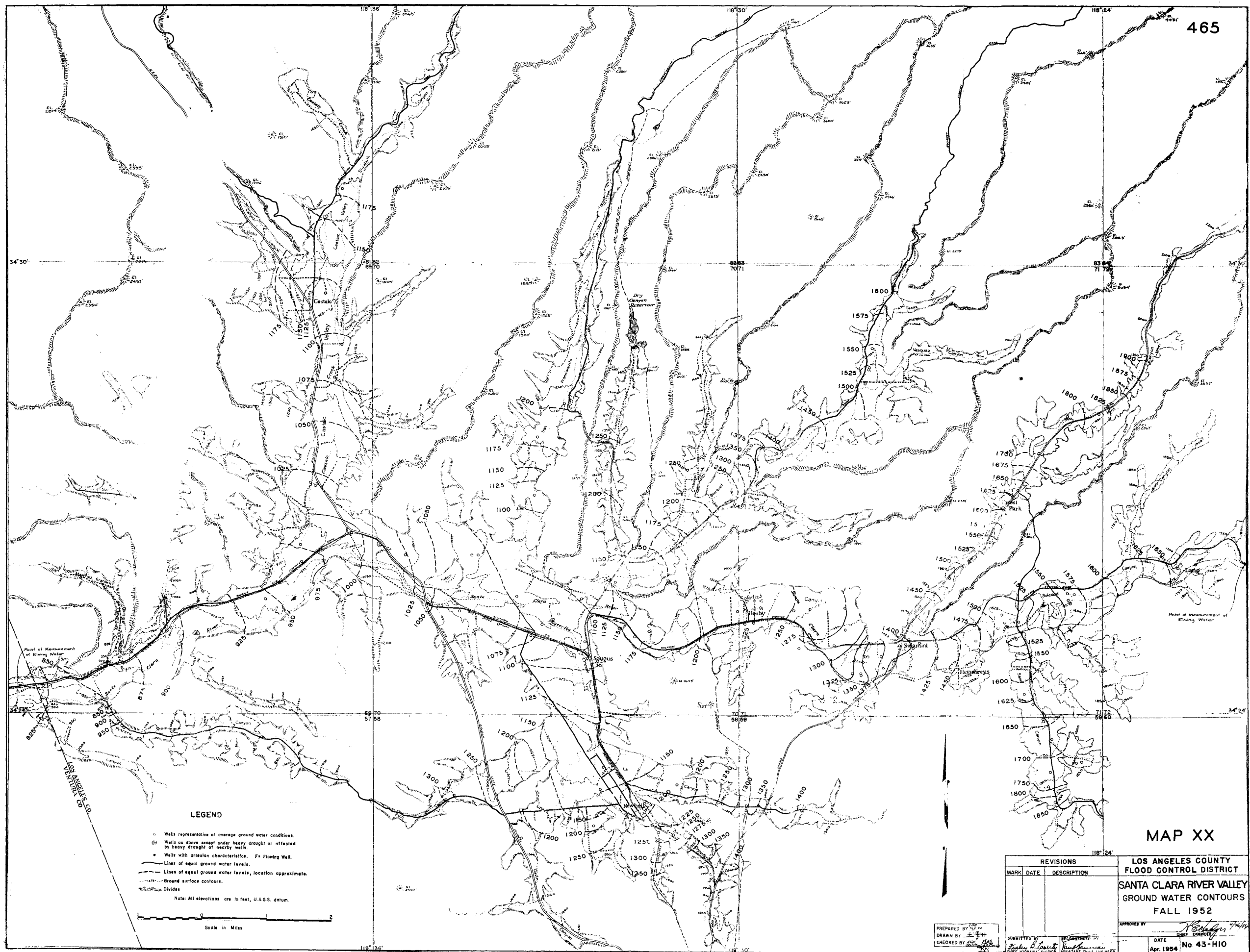
MAP XIX

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
FALL, 1951

REVISIONS		
MARK	DATE	DESCRIPTION

PREPARED BY *[Signature]*
DRAWN BY *[Signature]*
CHECKED BY *[Signature]*

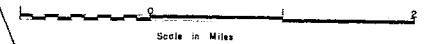
APPROVED BY *[Signature]*
DATE MAY 1953
NO. 43-H9



LEGEND

- Wells representative of average ground water conditions.
- ⊙ Wells on above aspect under heavy drought or affected by heavy drought of nearby wells.
- Wells with artesian characteristics. Fx Flowing Well.
- Lines of equal ground water levels.
- - - Lines of equal ground water levels, location approximate.
- Ground surface contours.
- Divides

Note: All elevations are in feet, U.S.G.S. datum.



MAP XX

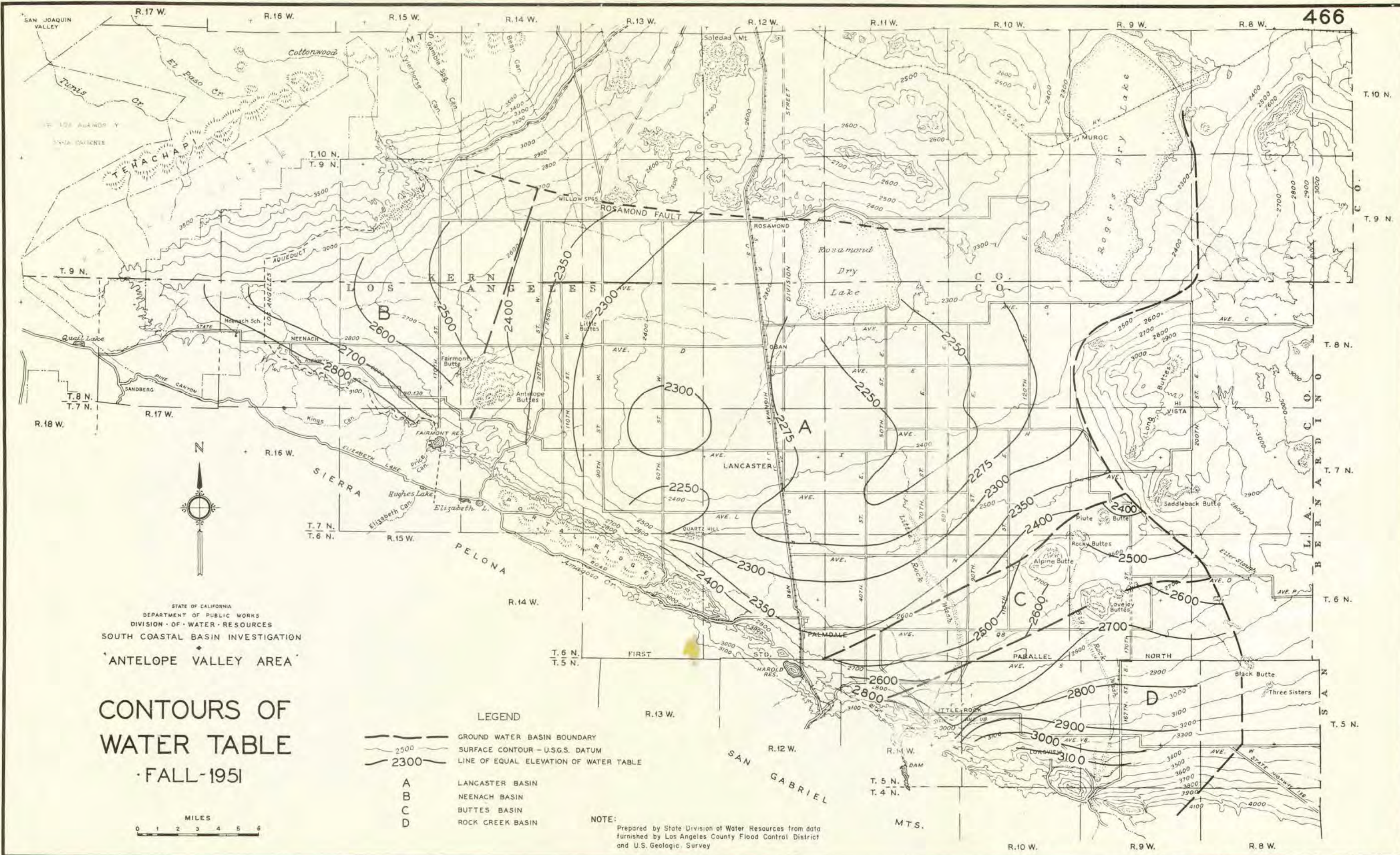
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
SANTA CLARA RIVER VALLEY
GROUND WATER CONTOURS
FALL 1952

APPROVED BY: *[Signature]*
DATE: Apr. 1954
No 43-H10

REVISIONS		
MARK	DATE	DESCRIPTION

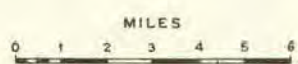
PREPARED BY: *[Signature]*
DRAWN BY: *[Signature]*
CHECKED BY: *[Signature]*

SUBMITTED BY: *[Signature]*
DATE: *[Signature]*
RECOMMENDED BY: *[Signature]*
DATE: *[Signature]*



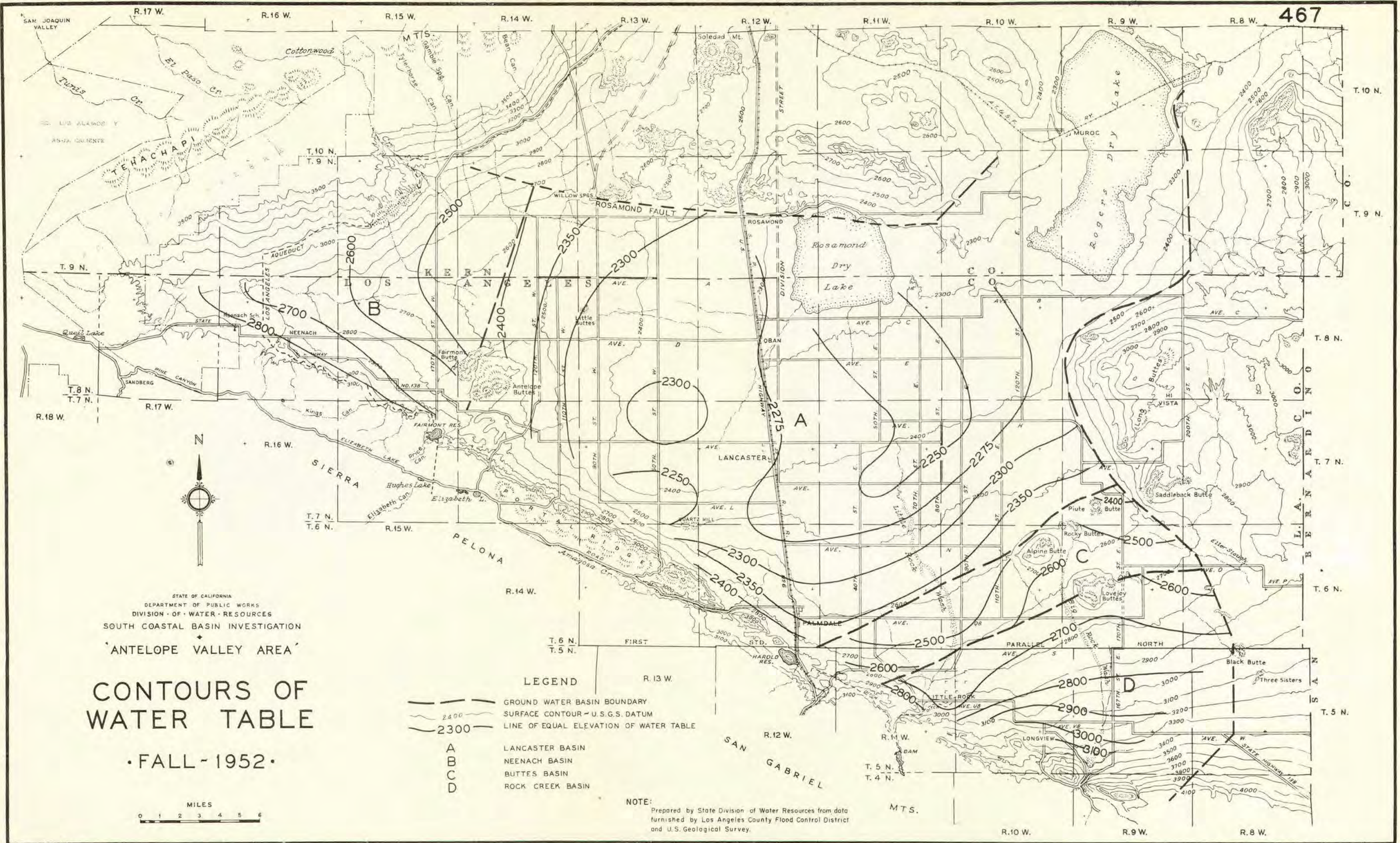
STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF WATER RESOURCES
 SOUTH COASTAL BASIN INVESTIGATION
 ANTELOPE VALLEY AREA

CONTOURS OF
 WATER TABLE
 FALL-1951



- LEGEND
- GROUND WATER BASIN BOUNDARY
 - SURFACE CONTOUR - U.S.G.S. DATUM
 - LINE OF EQUAL ELEVATION OF WATER TABLE
 - A LANCASTER BASIN
 - B NEENACH BASIN
 - C BUTTES BASIN
 - D ROCK CREEK BASIN

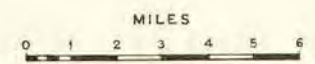
NOTE:
 Prepared by State Division of Water Resources from data furnished by Los Angeles County Flood Control District and U.S. Geologic Survey



STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF WATER RESOURCES
 SOUTH COASTAL BASIN INVESTIGATION
 ANTELOPE VALLEY AREA

CONTOURS OF WATER TABLE

• FALL - 1952 •



- LEGEND**
- GROUND WATER BASIN BOUNDARY
 - SURFACE CONTOUR - U.S.G.S. DATUM
 - LINE OF EQUAL ELEVATION OF WATER TABLE
 - A** LANCASTER BASIN
 - B** NEENACH BASIN
 - C** BUTTES BASIN
 - D** ROCK CREEK BASIN

NOTE:
 Prepared by State Division of Water Resources from data furnished by Los Angeles County Flood Control District and U.S. Geological Survey.