LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

HYDROLOGIC REPORT

1969-72

PREPARED IN THE

HYDRAULIC AND WATER CONSERVATION DIVISIONS

SEPTEMBER 1, 1973

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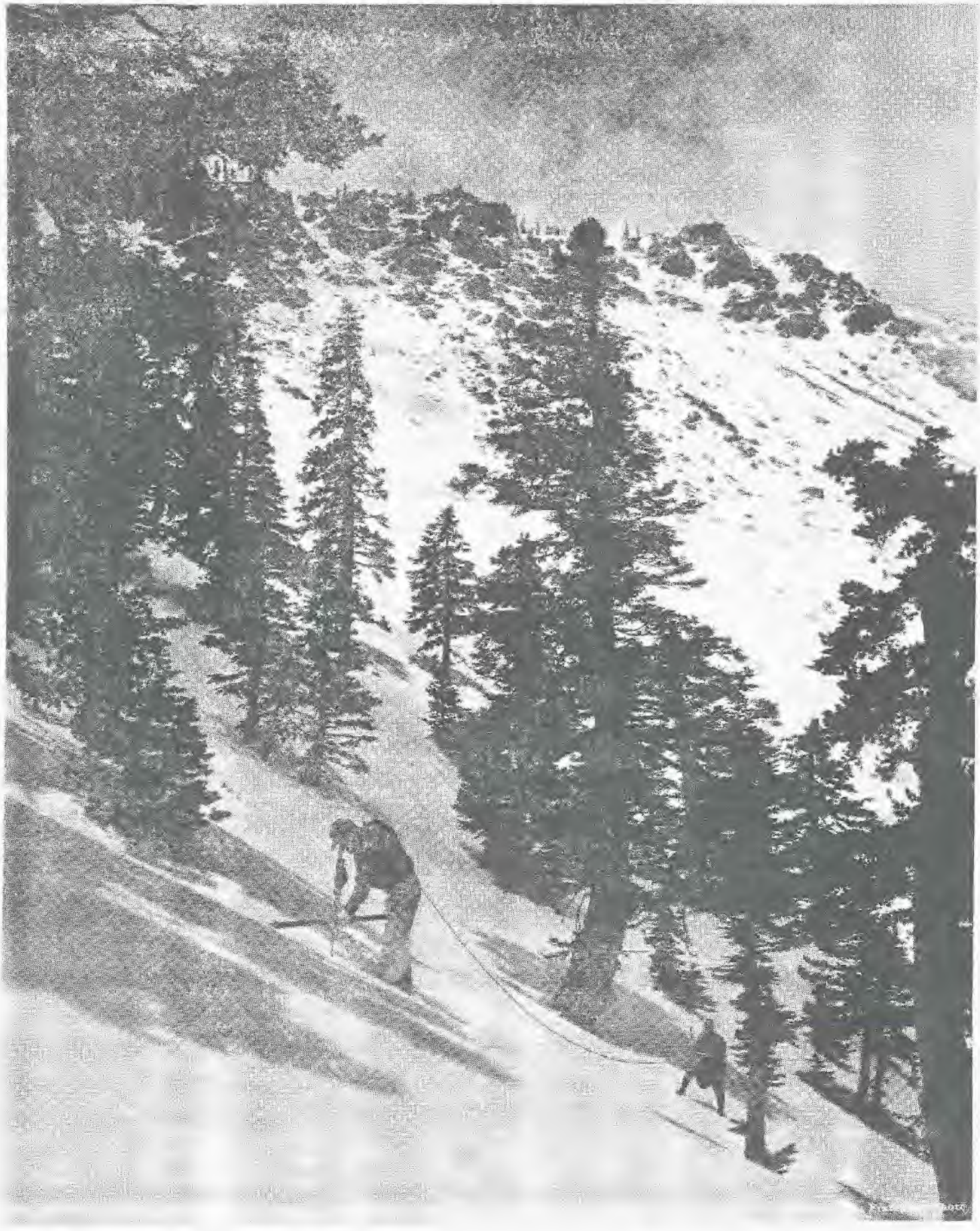


INTRODUCTION

This report contains hydrologic data within Los Angeles County for the three-year period beginning October 1, 1969, and ending September 30, 1972. Also included are summaries of data at selected locations for all years of record. The data is presented in six sections.

1. Precipitation – summarizes precipitation data for over 400 locations and discusses weather modification activities within Los Angeles County.
2. Evaporation - lists all locations for which evaporation data is on file, and provides monthly evaporation amounts at 24 locations for all years of record.
3. Runoff – Lists all locations for which data is on file and presents daily and seasonal runoff amounts for 51 streamflow stations.
4. Dam Operation - lists mean daily inflow, outflow, water surface elevation, and storage amounts as well as a summary of annual events for 15 dams and reservoirs.
5. Erosion Control – presents debris histories for 80 debris basins and maps major watershed burns for the three-season period.
6. Groundwater and Conservation - presents groundwater maps for the 5 major groundwater basins and records of water conserved at various facilities.

Where practical, all data which would satisfy immediate needs and serve as a useful reference is published in these reports. Several tables appear listing locations for which unpublished data is available. Additional information may be obtained by writing to:

Mr. A. E. Bruington, Chief Engineer
Los Angeles County Flood Control District
P.O. Box 2418, Terminal Annex
Los Angeles, CA 90051

RAINFALL - *A DROUGHT*

Based on eight subareas of the County, average rainfall for the three-season period was 10.31 inches, which is 66 per cent of the 90-year normal. Following is the comparison by season:

Season	Normal Rainfall	Season Rainfall	Per Cent Normal
1969-70	15.66	9.51	56
1970-71	15.66	13.22	85
1971-72	15.66	8.19	52

RUNOFF – *LOWER THAN NORMAL*

The average annual inflow to all the District's reservoirs was 50 per cent of normal. Peaks at streamflow recording stations did not exceed any past recorded events except Station F2B-R, Browns Creek, which recorded a peak flow of record on November 29, 1970.

EVAPORATION – *ABOUT NORMAL*

Evaporation amounts for the three-year period was 108 per cent of the 40-year average for 9 selected stations.

FIRE – *MOST AREA BURNED IN A SINGLE SEASON IN OVER 50 YEARS*

On September 25, 1970, a series of fires began mostly in the western part of the County and were not generally contained until October 2, 1970. Altogether, the fires burned over 100,000 acres of brush and grass lands.

EARTHQUAKE – *GREATEST HORIZONTAL ACCELERATION EVER RECORDED*

On February 9, 1971, a strong earthquake shook the San Fernando Valley. Pacoima Dam, located approximately five miles south of the epicenter, is equipped with a strong motion accelerograph which registered the greatest ground acceleration ever recorded anywhere in the world - a horizontal acceleration approximately equal to that of gravity and a vertical acceleration of about three-fourths of this amount.

EROSION – *LESS THAN AVERAGE*

The average annual erosion rate into the District's debris basins for the three-season period was 1300 cubic yards per square mile of drainage area. The prior historical average was 5000 cubic yards per square mile.

CONSERVATION –

LOCAL WATER LESS THAN NORMAL; IMPORTED AND RECLAIMED WATER ABOUT NORMAL

During the 1969-72 seasons, over 337,000 acre-feet of local water, 245,000 acre-feet of imported water, and 54,000 acre-feet of reclaimed water were used to replenish the groundwater basins from spreading facilities, injection facilities, reservoirs, and unlined channels.

GROUNDWATER LEVELS –

LOWER THAN PREVIOUS SEASON

Groundwater elevations throughout most of the County either remained stable or decreased due to sub-normal rainfall. Historic low groundwater elevations were observed in that portion of Chino Basin within Los Angeles County, in the Lancaster Basin in Antelope Valley, and in the central portion of the main San Fernando Basin. Historic high elevations occurred in the Glendora and Live Oak Basins.

SEAWATER BARRIER PROJECTS –

LESS WATER INJECTED THAN PREVIOUS THREE-SEASON PERIOD

Protection of the groundwater basin from seawater intrusion was continued throughout the period, by the injection of treated Colorado River water. Almost 85,800 acre-feet were injected by the West Coast Basin Barrier Project Operations as compared with 119,000 acre-feet the prior three years. At the Alamitos Barrier Project Operation, 13,000 acre-feet were injected as compared with 14,000 acre-feet the prior three years.

TOPOGRAPHY

The Los Angeles County Flood Control District includes an area of 2,760 square miles with boundary contiguous to the County boundary. The most northerly portion and channel islands are excluded. The District measures approximately 66 miles in east-west and 55 miles in north-south directions.

The terrain within the District can be classified in broad terms as being 39 per cent mountainous, 17 per cent coastal plain, and 44 per cent hills, valley, or desert. Relief of the terrain ranges from sea level to a maximum elevation of 10,000 feet. The coastal plain is generally of mild slope and contains relatively few depressions or natural ponding areas. The slopes of main river systems crossing the coastal plain, such as the San Gabriel River, Los Angeles River, and Ballona Creek, range from 4 to 14 feet per mile.

Topography in the mountainous area is generally rugged, with deep, V-shaped canyons separated by sharp dividing ridges. Steep-walled canyons with side slopes of 70 per cent or more are common. The average gradient of principal canyons in the San Gabriel Mountains ranges from 150 to 850 feet per mile.

Mountain ranges are aligned in a general east-west direction, the major range being the San Gabriel Mountains. The majority of mountain ridges lie below Elevation 5000, the total area above this level being approximately 210 square miles.

GEOLOGY – Soils

Igneous, sedimentary, and metamorphic rock groups are all represented within the District. The San Gabriel Mountains and Verdugo Hills are composed primarily of highly fractured igneous rock, with large areas of granitic rock formation being exposed above soils which are coarse and porous. Faulting and deep weathering have produced porous zones in the rock formation; however, rock masses have produced a comparatively shallow soil mantle due to the steepness of slopes which accelerates erosion of the fine material.

Other mountainous and hilly reaches within the District are composed primarily of folded and faulted sedimentary rocks, including shale, sandstone, and conglomerate. Residual soils in these areas are shallow and are generally less pervious than those of the San Gabriel mountain range.

Valley and desert soils are alluvial and vary from coarse sand and gravel near canyon mouths to silty clay and gravel or clay in lower valleys and coastal plain. The alluvial fill has been built up by repeated deposition of debris, in places to depths as great as 2,000 feet. This fill is quite porous in areas of relatively low clay content. Impervious lenses and irregularities in the underlying bedrock divide the alluvium into several distinct ground water basins. Valley soils are generally well drained and relatively few perched water or artesian areas are present.

LAND USE

The principal vegetative cover of upper mountain areas consist of various species of brush and shrubs known as chaparral. Most trees found on mountain slopes are oak, with alder, willow, and sycamore found along stream beds at lower elevations. Pine, cedar, and juniper are found in ravines at higher elevations and along high mountain summits.

The chaparral is extremely flammable; and extensive burns of the mountain vegetation frequently occur

during dry, low-humidity weather accompanied by high winds. Chaparral has the ability to sprout following fires and grows rapidly to reestablish the watershed cover within a period of 5 to 10 years following a burn.

Grasses are the principal natural vegetation on the hills. Much of the hill land and nearly all the valley land in the densely populated portion of the District south of the San Gabriel Mountains has been converted to urban and suburban use. Development of the Santa Clara River valley and desert areas to the north of the San Gabriel Mountains is sparse at present but is proceeding at an accelerated rate.

CLIMATE

The climate within the District varies between subtropical on the Pacific Ocean side of the San Gabriel mountain range to arid in the Mojave Desert. Mean seasonal precipitation ranges from 11 inches at the ocean to more than 45 inches at the crest of the mountains and to less than 5 inches in the desert. Nearly all precipitation occurs during the months of December through March. Precipitation during summer months is infrequent, and rainless periods of several months are common. Snowfall at elevations above 5,000 feet is frequently experienced during the winter storms, but the snow melts rapidly except on higher peaks and the northern slopes. Snow is rarely experienced on the coastal plain.

January and July are the coldest and warmest months of the year, respectively. At Los Angeles, the 30-year average daily minimum temperature for January is 46.6° above zero and the average daily maximum temperature for July is 83.3°. At Mount Wilson (elevation 5,850 feet), the 25-year average daily minimum temperature for January is 34.5° above zero and the average daily maximum temperature for July is 80.2°.

HYDROMETEOROLOGIC CHARACTERISTICS

Coastal and Mountain Areas

Precipitation in the Los Angeles area occurs primarily in the form of winter orographic rainfall associated with extratropical cyclones of North Pacific origin. Major storms consist of one or more frontal systems and occasionally last four days or longer. Air masses and frontal systems associated with major storms commonly extend for 500 to 1,000 miles in length and produce rainfall simultaneously throughout the District. Major storms approach Southern California from the west or southwest with southerly winds which continue until frontal passage. The mountain ranges lie directly across the path of the inflow of warm, moist air; and orographic effects cause precipitation to be greatly intensified.

The effect of snowmelt upon flood runoff is of significance in the few cases when warm spring rains from southerly storms fall on a snowpack. During major storms, temperatures throughout the District may remain above freezing.

Average individual storm rainfall amounts and intensities conform to a fairly definite areal pattern which reflects general effects of topographic differences.

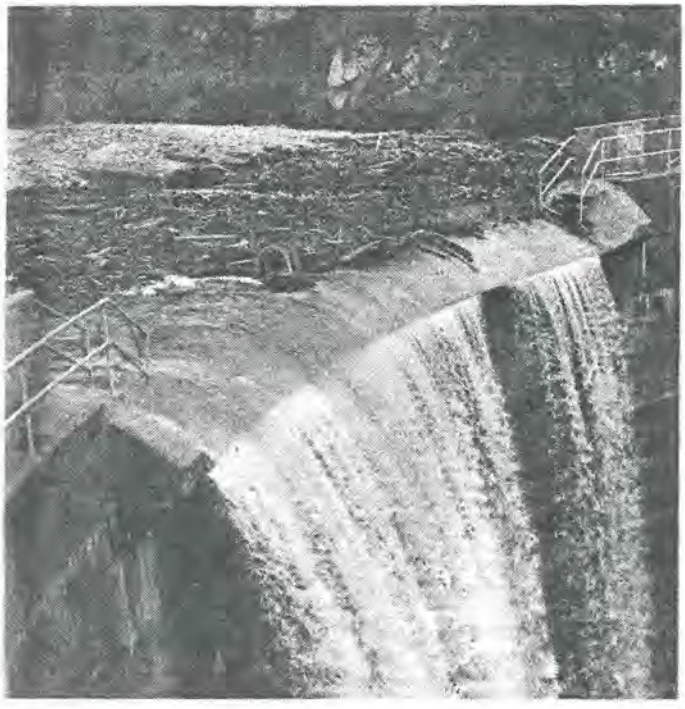
Desert Areas

Summer convective rainfall is principally experienced in the upper San Gabriel Mountains and the Mojave Desert regions. In many desert areas, the most serious flooding occurs as a result of summer convective storms.

RUNOFF CHARACTERISTICS

Mountain Areas

In mountain areas, the steep canyon slopes and channel gradients are conducive to rapid concentration of storm runoff quantities. Depression storage and detention storage effects are minor in the rugged terrain. Soil moisture during a storm has a pronounced effect on runoff from the porous soils supporting a good growth of deep-rooted vegetation such as chaparral. Soil moisture deficiency is greatest at the beginning of a rainy season, having been depleted by evapotranspiration processes during the dry summer months. Precipitation during periods of soil moisture deficiency absorbed by soils; and except for periods of extremely intense rainfall, significant runoff does not occur until soils are wetted to field moisture capacity. Due to high infiltration rates and porosity of mountain soils, runoff occurs primarily as subsurface flow or interflow rather that as direct runoff. Spring or base flow is essentially limited to portions of the San Gabriel mountain range, most streams in the District being intermittent.



Runoff from a mountain watershed recently denuded by fire exceeds that for the unburned state due to greatly increased quantities of inorganic debris present in the flow and increased direct runoff resulting from lowered infiltration rates. Large amounts and sizes of debris have been transported by flood flows from a denuded watershed. Debris production from a major storm has amounted to as much as 120,000 cubic yards per square mile of watershed. Boulders up to eight feet in diameter have been deposited in a valley area a considerable distance from their source.

Debris quantities equal in volume to storm runoff, or in other words 100 per cent bulking of runoff from a major storm, have been recorded. Where debris-laden flow traverses an alluvial fill unconfined by flood control works, flood discharges follow an unpredictable path across the debris cone formed at the canyon mouth.

Hill and Valley Areas

In hill areas, runoff concentrates rapidly from the generally steep slopes; however, runoff rates from undeveloped hill areas are normally smaller than those from mountain areas of the same size. In those hill areas which have been developed for residential use, concentration times become considerably decreased due to drainage improvements, and runoff volumes and rates become increased due to increased imperviousness. On the other hand, erosion is controlled and debris content of storm flow is practically eliminated. Debris production rates from undeveloped hill areas are normally smaller than those from mountain areas of the same size.

In highly developed valley areas, local runoff volumes have increased as the soil surface has become covered by impervious materials. Peak runoff rates for valley areas have also increased due to elimination of natural ponding areas and improved hydraulic efficiency of water carriers such as streets and storm drain systems.

FLOODS . . . AN OLD STORY

Floods in Los Angeles County have been recorded as far back as the days of the Mission Padres. For centuries waters have swept out of the San Gabriel Mountains causing extensive property damage and taking a great toll of lives.

Such a flood occurred in 1914 causing over $10 million in property damage and taking many lives. As a result, the State legislature passed an act creating the Los Angeles County Flood Control District.

The District was assigned two tasks . . . control the floods and conserve the water.

CONTROLLING THE WATERS

Successful early bond issues financed construction of the 14 dams which the District built high in the San Gabriel Mountains to impound storm waters until they could be released in an orderly fashion. Debris basins were constructed to trap eroded materials which had caused terrible damage in the past. Flood channel improvements were undertaken to confine the waters

District engineers prepared a Comprehensive Plan in the early 1930's which provided for the control of flooding and the saving of as much of the water as practicable. With minor modifications, it is still the plan today.

Federal legislation in 1936 brought the Army Corps of Engineers into the local flood control picture. Since that time, the two agencies have been jointly prosecuting construction of the Comprehensive Plan which is now nearing completion. The District also cooperates with the United States Soil Conservation Service and the Forestry Service in erosion control and debris reduction programs.

Since 1952, the District has been engaged in three storm drain bond issue programs designed to build 1300 miles of trunk drainage systems at a cost of nearly $700 million.

CONSERVING THE WATERS

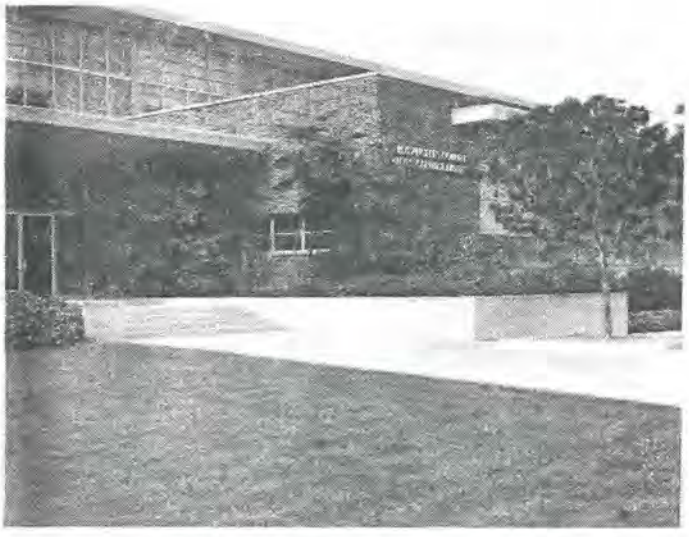
In addition to its flood control program, the District has the equally important task of conserving as much of the storm and other waste waters as practicable. The use of spreading grounds adjacent to river channels and their tributaries permits water to be percolated into underground reservoirs for later pumping by consumers. These spreading grounds are composed of porous sands and gravels and look somewhat like rice paddies

Importance of this activity is apparent when it is realized that over 40 per cent of the water used in the County is pumped from underground supplies. The growth of the County combined with a prolonged drought has seriously depleted these supplies in recent years.

Other major conservation efforts by the District include combatting the serious intrusion by salt water of fresh well supplies along the Pacific Ocean, studies concerning the feasibility of using reclaimed sewage waters in spreading operations, and applied research to determine the effectiveness of cloud seeding to provide additional waters for percolation.

ORGANIZED TO DO THE JOB

The District covers 2760 square miles and includes all of Los Angeles County with the exception of most of the Antelope Valley and the islands off the coast. it is governed by the County Board of Supervisors.



Day to day administration of District affairs is vested in the Chief Engineer who is appointed by and responsible to the Board of Supervisors. The dual mission of the agency is recognized in its organization. Although a large part of the District's activities involve the construction of flood control and water conservation facilities, the operation and maintenance of dams, debris basins, spreading grounds, channels and storm drains are also of great importance.

Some 1500 civil service employees serve the District and through it the general public, in a variety of tasks. Most have storm assignments which place them on call 24 hours a day throughout the winter season.

PRECIPITATION

This report contains basic precipitation data collected by the District for the seasons 1969-70 through 1971-72. The District's records are maintained and filed according to "water year" which begins October 1 of each year and ends September 30 of the following year. The District maintains other climatological data such as snowfall, temperature, barometric pressure, humidity, wind direction , and velocity.

RAINFALL

The daily and monthly rainfall data shown herein are based on the standard gage readings. At stations equipped with both standard recording rain gages, the standard gage amounts are proportioned to the chart amounts at the designated time of reading. Storm total amounts caught by storage-type gages are proportioned to nearby stations for daily and monthly figures. Generally, the District used a 5 p.m. time of reading, but recognizes other times of readings at stations where the observer is not available at 5 p.m. Daylight Saving Time was observed for the periods April 26, 1970 to October 25, 1970; April 25, 1971, to October 31, 1971; and April 30, 1972, to September 30, 1972.

WEATHER MODIFICATION

As part of its water conservation efforts in the Los Angeles area, the District has conducted weather modification activities since the 1961-62 season. This project is intended to increase rainfall in certain predetermined "target" areas within the drainage basins upstream of Pacoima, Big Tujunga, and San Gabriel Dams. This increased rainfall results in additional runoff which is collected at District reservoirs and is later released to various spreading facilities downstream to replenish the ground water supply.

The District uses ground-based cloud seeding generators at various locations within the County. These generators operate by vaporizing a silver iodide-acetone solution and injecting it into a propane flame. The flame both crystalizes the silver iodide and provides the convection required to lift the crystals into the cloud masses where they act as nuclei.

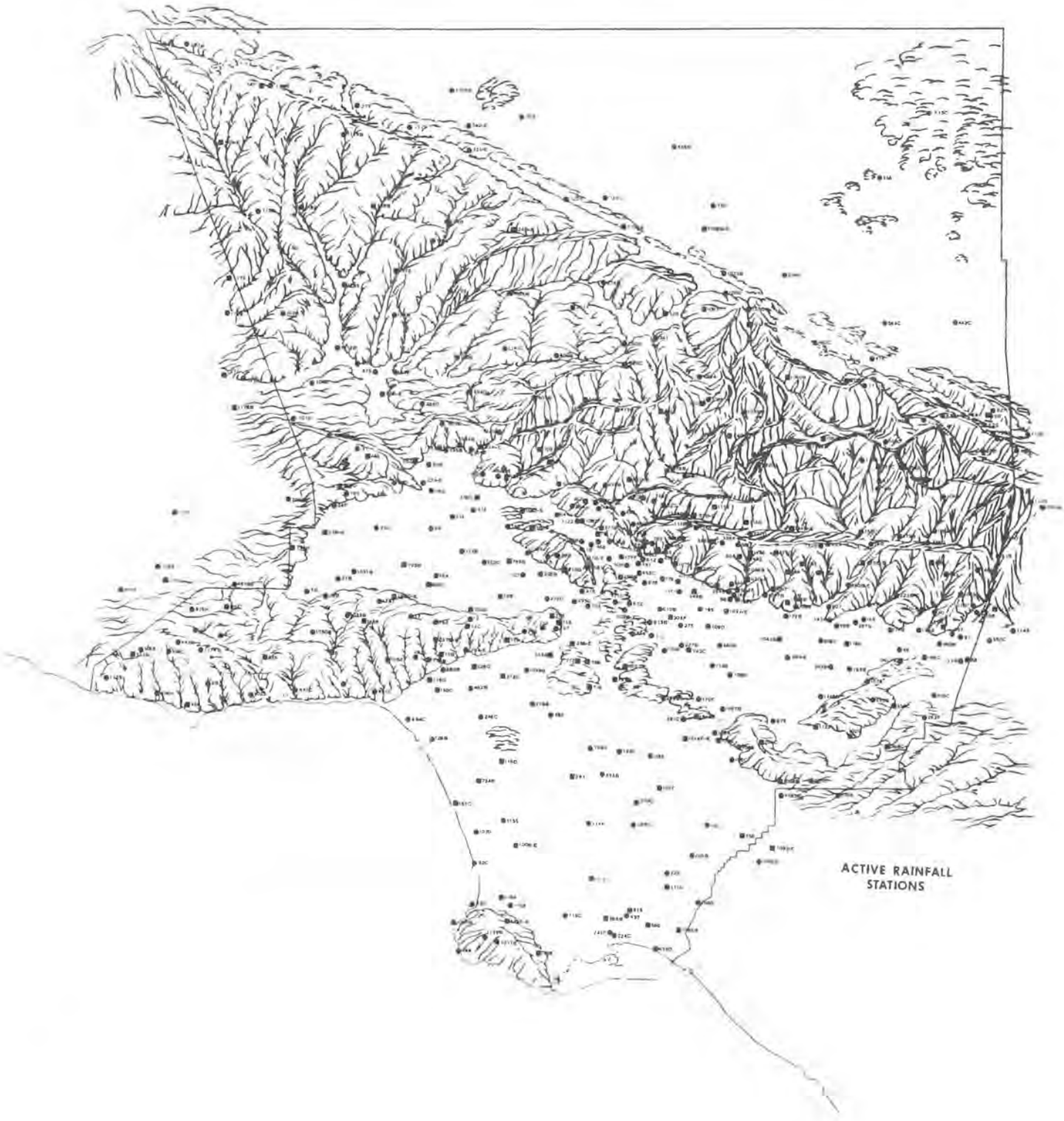
Throughout the program's history it has generally been evident that the artificial nucleation devices have significantly increased rainfall in the target areas and have contributed to the District's water conservation program. Analysis of data show that the increase in rainfall over the target areas for the 10-year period 1962-1972 was approximately 12 inches.

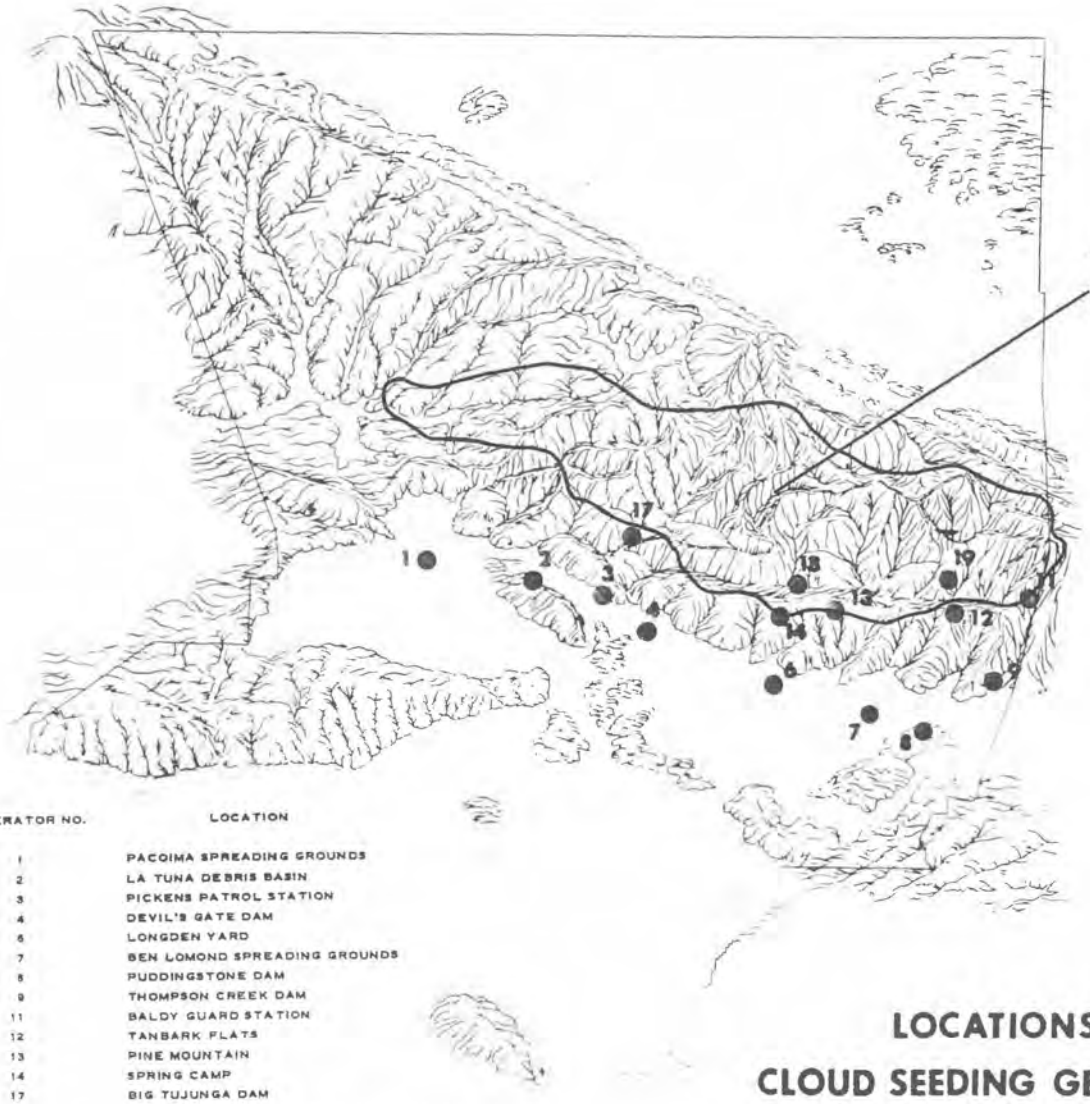
SNOW SURVEYS

District personnel measure snow depths and densities at 12 locations within the San Gabriel Mountains. The snow pack data presented herein are based on annual snow surveys conducted on or about April 1 of each year. The snow courses range in elevation from 5800 feet to 8500 feet and lie within the San Antonio, San Gabriel, Little Rock, and Big Rock drainage areas.

COOPERATION

The cooperation of observers in furnishing data to this District as a public service is appreciated. The efforts of the many agencies and individuals who have so freely cooperated with us in the collection of these data have resulted in the large number of complete records for the season covered by this report.

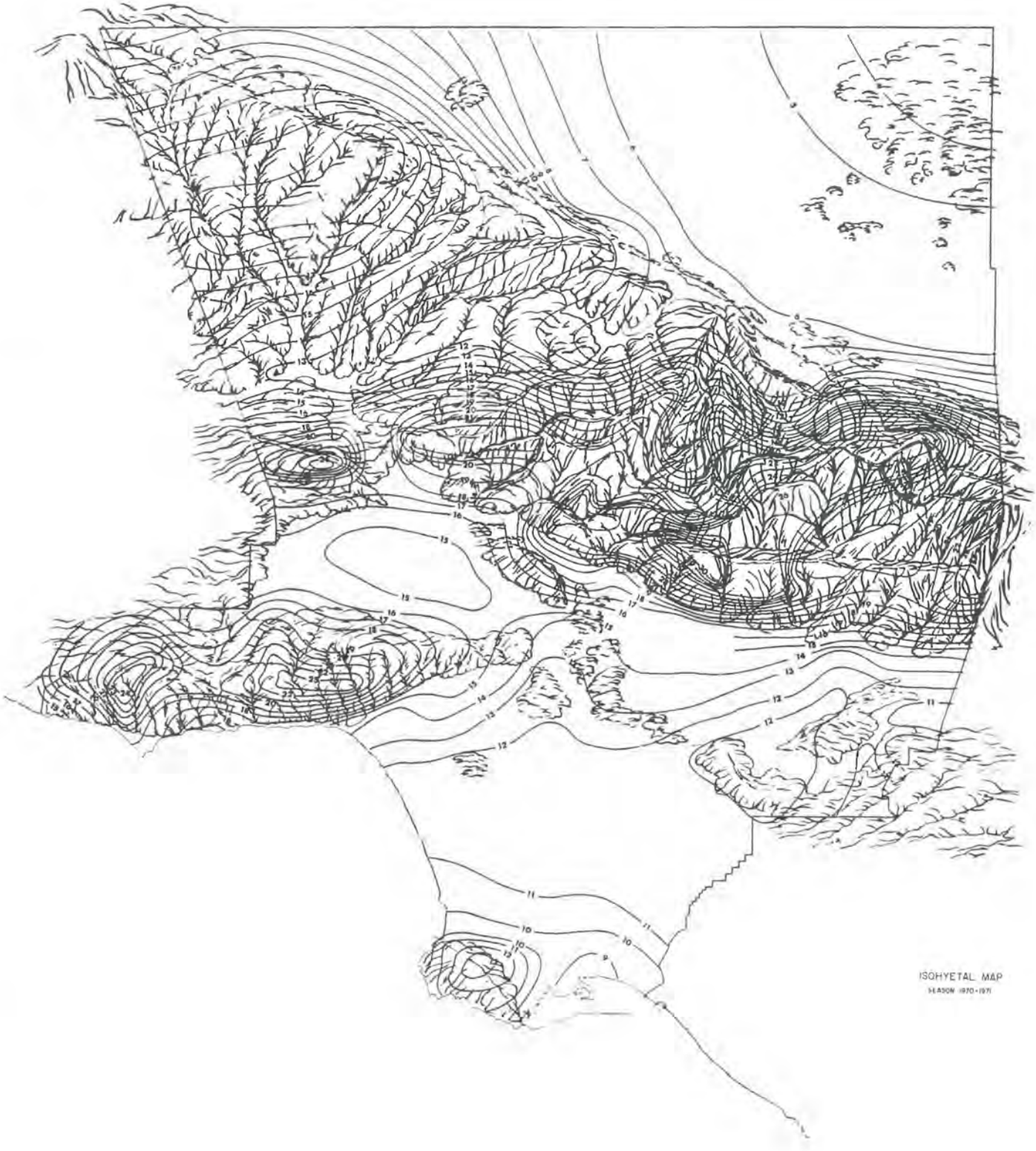

ACTIVE RAINFALL
STATIONS



GENERATOR NO.	LOCATION
1	PACOIMA SPREADING GROUNDS
2	LA TUNA DEBRIS BASIN
3	PICKENS PATROL STATION
4	DEVIL'S GATE DAM
5	LONGDEN YARD
7	BEN LOMOND SPREADING GROUNDS
8	PUDDINGSTONE DAM
9	THOMPSON CREEK DAM
11	BALDY GUARD STATION
12	TANBARK FLATS
13	PINE MOUNTAIN
14	SPRING CAMP
17	BIG TUJUNGA DAM
18	COGSWELL DAM
19	SAN GABRIEL CANYON EAST FORK RANGER

LOCATIONS OF CLOUD SEEDING GENERATORS


ISOHYETAL MAP
SEASON 1969-1970

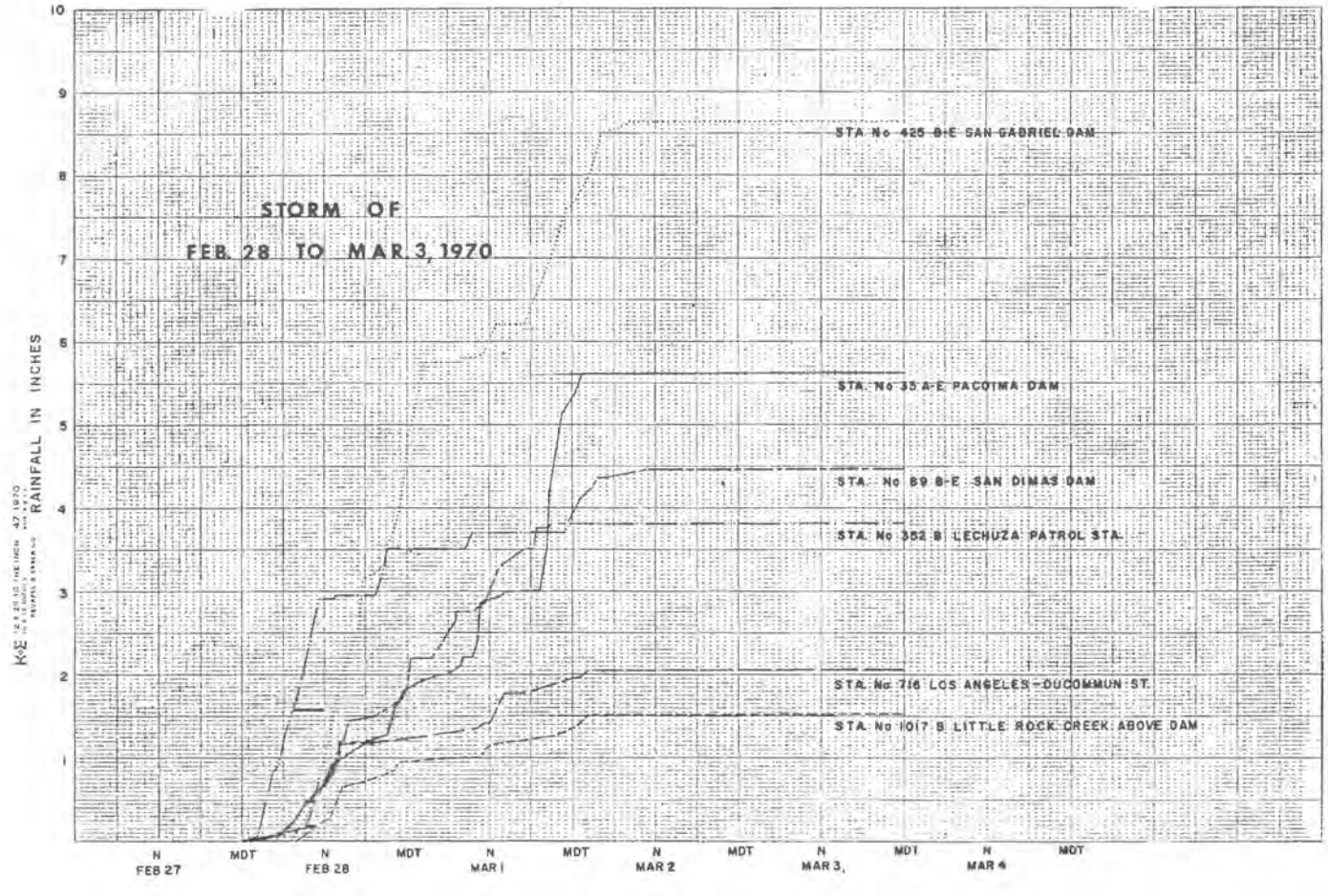


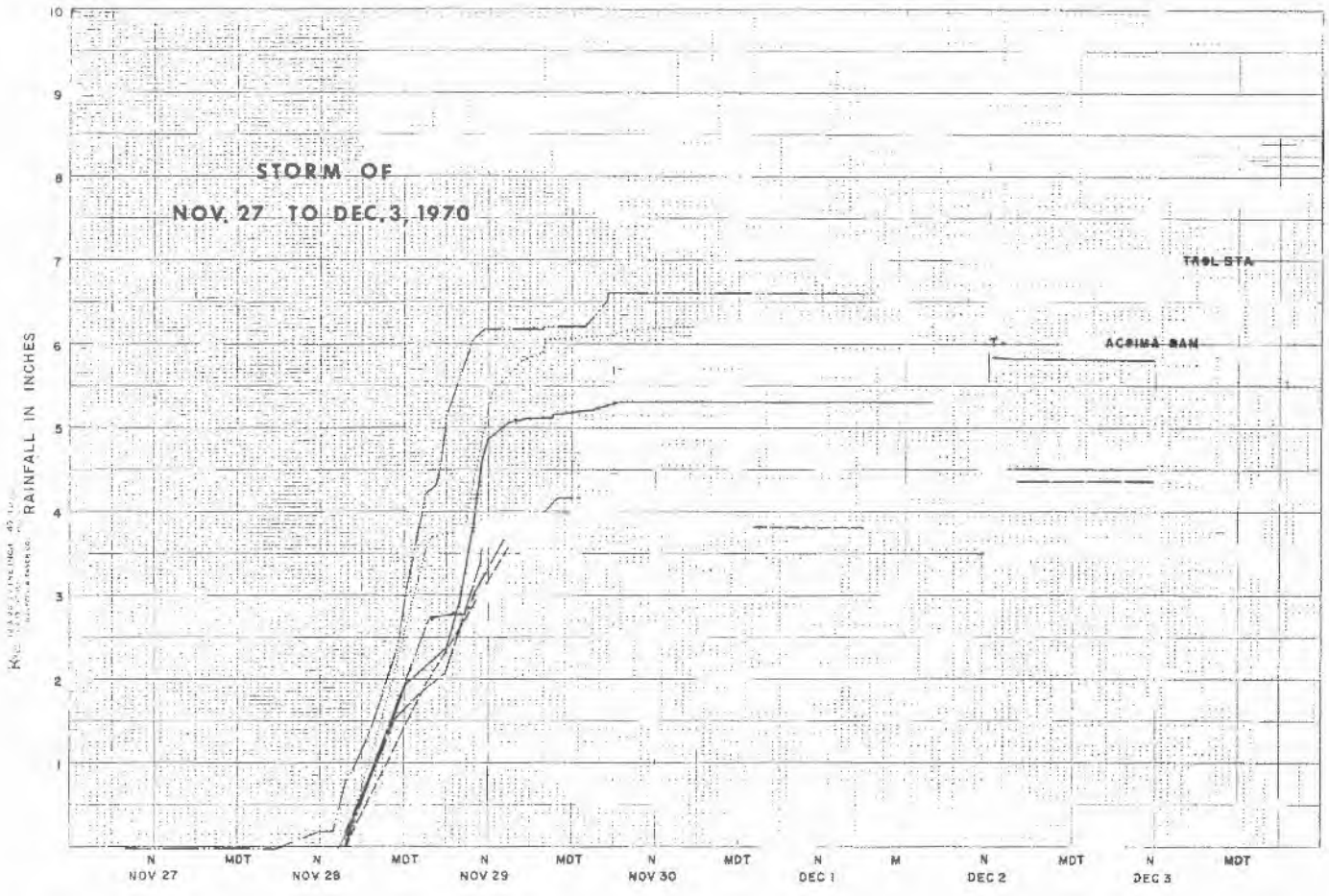
ISOHYETAL MAP
SEASON 1970-1971

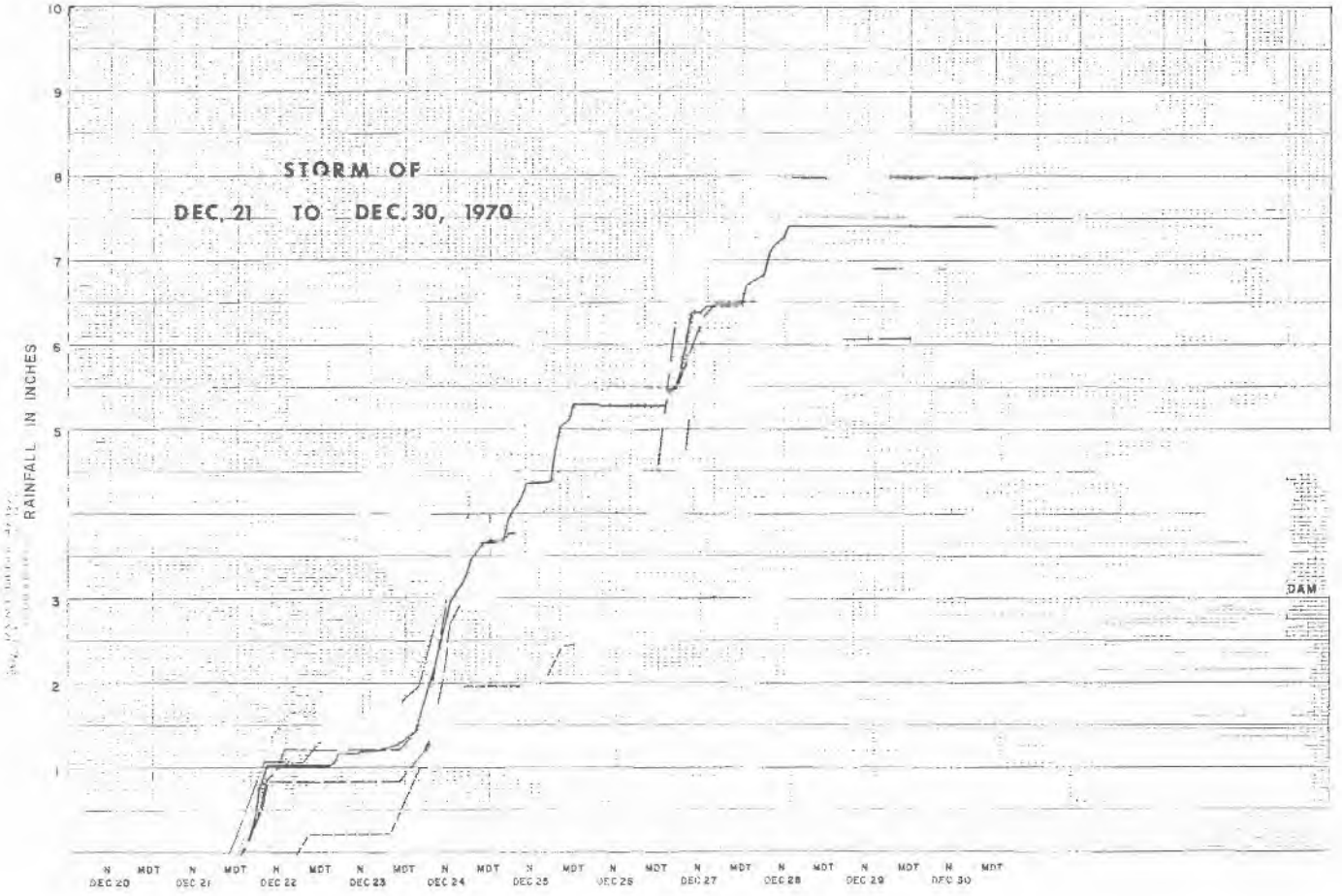
ISOHYETAL MAP

SEASON 1971 - 1972

MASS CURVES OF RAINFALL AT SELECTED STATIONS FOR MAJOR STORM OF EACH SEASON




STORM OF
NOV. 27 TO DEC. 3, 1970
RAINFALL IN INCHES
TRSL STA
ACOMA DAM
10
9
8
7
6
5
4
3
2
1
N
NOV 27
MDT
N
NOV 28
MDT
N
NOV 29
MDT
N
NOV 30
MDT
N
DEC 1
M
N
DEC 2
MDT
N
DEC 3
MDT


STORM OF
DEC. 21 TO DEC. 30, 1970
RAINFALL IN INCHES
DAM
10
9
8
7
6
5
4
3
2
1
N
DEC 20
MDT
N
DEC 21
MDT
N
DEC 22
MDT
N
DEC 23
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DEC 24
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DEC 25
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DEC 26
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DEC 30
MDT

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1969-70	1970-71	1971-72
2B	ESCONDIDO CANYON	S	46	1050	34-02-55	118-46-25	STEIN PETERSON	11.54	17.21	9.22
3D	SEMINOLE HOT SPRINGS	S	45	875	34-06-25	118-47-30	JOHN & LINDA MCCOY	13.97	23.12	10.42
4C	MALIBU LAKESIDE	S	59	800	34-06-09	118-45-15	GEORGE LEWIS	13.13	INC.	DISC.
5B	CALABASAS	S	45	924	34-09-24	118-38-14	TOM FARMER	12.83	19.21	9.55
6	TUPANGA CANYON PATROL STATION	SA	45	745	34-05-03	118-35-57	TOPANGA CYN PAT STA PERSONNEL	12.68	24.00	11.85
9B	SEPULVEDA & RAVEN	SP	44	828	34-13-52	118-28-04	GEORGE GRISSMAN	10.73	15.68	8.22
10B	BEL AIR HOTEL	SA	44	585	34-05-13	118-26-45	LACFCD PERSONNEL	9.55	16.79	8.18
11C	UPPER FRANKLIN CANYON RESERVOIR	SPA	45	867	34-07-14	118-24-38	DWP PERSONNEL	9.88	17.02	10.00
12	FRANKLIN CANYON-MULHOLLAND HIGHWAY	S	45	1100	34-07-45	118-24-20	L.A. CITY FIRE DEPT PERSONNEL	10.52	INC.	DISC.
13B	NORTH HOLLYWOOD-BLIX	S	46	593	34-09-23	118-21-56	KATHIE BLIX	9.40	15.57	8.27
14C	ROSCOE-MERRILL	SP	45	1050	34-14-19	118-21-32	E.S. MERRILL	8.76	15.44	7.86
15A	VAN NUYS	S	67	695	34-10-42	118-27-28	A.A. SIMON	10.72	14.97	7.15
17	SEPULVEDA CANYON AT MULHOLLAND HIGHWAY	S	43	1425	34-07-51	118-29-26	FIRE STATION PERSONNEL	9.79	19.35	12.37
20B	GIRARD RESERVOIR	S	31	986	34-09-07	118-36-36	DWP PERSONNEL	11.69	19.00	8.99
21B	BRANT-RANCHO-GIRARD	S	60	891	34-10-16	118-35-56	LITTON INDUS CORP PERSONNEL	10.47	16.98	8.48
23H-E	CHATSWORTH RESERVOIR	SP MP	47	900	34-13-44	118-37-16	DWP PERSONNEL	10.59	15.42	6.35
24F	CHATSWORTH	S	44	957	34-15-23	118-36-19	MRS PAUL MENTON	11.00	16 20	8.90
25C	NORTHRIDGE-L.A.DEPT.WLF	SP	52	810	34-13-52	118-32-28	DWP PERSONNEL	10.81	14.58	7.40
27B	PACOIMA-RADDATZ RANCH	S	47	902	34-14-57	118-26-40	GLEN C. RADDATZ	10.36	14.76	8.83
28G	SAN FERNANDO	SP	32	967	34-16-36	118-28-06	ROSS GOULD	11.05	14.88	8.55
29D	GRANADA HILLS	S	45	1280	34-17-09	118-30-59	HELEN STRATHAUS	12.96	16.53	9.06
30B	SYLMAR	SP	53	1250	34-18-37	118-28-15	MIKE FOSANO	12.30	17.32	9.22
31	ORCUTT RANCH	S	24	2850	34-19-28	118-34-14	W.J. WILLETT	8.8.	25.34	13.55
32C-E	NEWHALL-SOLEDAD DIV HDQTRS	S	45	1243	34-23-07	118-31-54	L.A.CO.FIRE DEPT PERSONNEL	12.16	16.99	9.98
33A-E	PACOIMA DAM	SA	43	1500	34-19-48	118-23-54	CARL ROYSTON	14.59	19.55	10.09
39B	SUNSET DAM	8.81"	43	1610	34-12-18	118-17-05	LACFCD PERSONNEL	9.31	17.83	7.90
42C	REDONDO BEACH CITY HALL	S	44	70	33-50-43	118-23-20	F.W. ARNOLD	7.23	11.69	7.11
43D	PALOS VERDES ESTATES	S	47	214	33-47-58	118-23-29	HAROLD R. BREEDLOVE	5.90	10.95	6.84
44A	POINT VICENTE LIGHTHOUSE	S	45	125	33-44-30	118-24-38	LIGHT SUPERVISOR USCG	6.11	10.79	6.48
46D-E	BIG TUJUNGA DAM	SA	46	2315	34-17-40	118-11-16	O.R. WHITE	16.03	21.84	13.36
47D	CLEAR CREEK-CITY SCHOOL	SA	45	3150	34-16-38	118-10-12	CITY SCHOOLS PERSONNEL	17.69	27.09	12.55
48B	OAK HILDE	S	45	2175	34-14-17	118-11-07	U.S.F.S. PERSONNEL	11.13	16.37	8.63
50B	LA CANADA-ARROYO SECO	S	45	1355	34-11-52	118-11-05	LACO.FIRE DEPT PERSONNEL	11.97	17.31	9.42
51	FALLING SPRINGS	S	44	4010	34-18-06	117-50-20	TOM WATTENBERG	19.73	20.67	12.79
52D	WATERMAN GUARD STATION	SA	42	3300	34-15-58	118-08-37	U.S.F.S. PERSONNEL	16.24	22.40	11.24
53D	CULBY'S	SA	75	3420	34-18-05	118-04-39	ROBERT L. CHANDLER	16.89	22.58	13.30
54C	LOOMIS RANCH - ALDER CREEK	SPA	56	4325	34-20-55	118-02-54	LACFCD PERSONNEL	13.13	15.04	9.82
57B-E	CAMP HI HILLTOP1ST	SPA	55	4250	34-15-18	118-06-43	ALEXANDER D. MORGAN	24.58	32.61	17.96
58	STURTEVANT CAMP	S	41	3275	34-13-21	118-01-52	LOUIS LUEBKERT	24.19	33.36	11.57
60A	HUEGEE'S	SA	47	2600	34-12-32	118-02-02	LOUIS LUEBKERT	22.57	30.77	14.80
63C-E	SANTA ANITA DAM	SA	45	1400	34-11-03	118-01-12	ERNEST R. WINDER	19.21	23.75	11.93
66	SIERRA MADRE-PEGLER RANCH	S	47	658	34-09-27	118-09-36	RICHARD E. LAWYER	14.37	16.14	8.40
68C	SAWPIT DAM	SA	46	1375	34-10-30	117-59-07	JAMES T. MCGOWAN JR.	20.15	21.02	10.86
73	GLENDORA-ENGLEWILD RANCH	SA	46	1165	34-09-22	117-50-57	T.G. KENNARD	15.72	15.93	10.39
76B	SAN GABRIEL DAM CAMP	S	35	1500	34-13-33	117-50-48	LACFCD PERSONNEL	19.92	20.08	INC.
78B	COLDBROOK RANGER STATION	SA	22	3280	34-17-26	117-50-26	LACFCD PERSONNEL	18.48	21.46	14.12
80B	PRAIRIE FORK	ST	24	5640	34-20-20	117-41-30	LACFCD PERSONNEL	14.52	19.43	17.02
81B	VINCENT GAP	ST	19	4590	34-22-26	117-45-05	LACFCD PERSONNEL	24.52	31.46	29.34
82F	TABLE MOUNTAIN	S	45	7420	34-22-56	117-40-39	EARL IVIE	13.40	14.36	15.62
83B	BIG PINES RECREATION PARK	SA	44	6860	34-22-44	117-41-20	U.S.F.S. PERSONNEL	17.89	17.43	20.61
85G	MT. BALDY GUARD	SA	52	4275	34-14-12	117-39-32	U.S.F.S. PERSONNEL	22.85	24.73	19.97
89B-E	SAN DIMAS DAM	SA	48	1350	34-09-10	117-46-17	BILLY R. MCCARTY	13.52	16.95	10.40
90	ELDER RANCH	S	44	1660	34-09-00	117-45-32	HAROLD GEHRE	13.37	17.12	DISC.
91	INDIAN HILL-CLAREMONT	S	43	1403	34-07-22	117-43-11	HARVIN HINGS	11.78	14.52	9.83ER
92	CLAREMONT-POMONA COLLEGE	S	40	1185	34-05-48	117-42-33	JACK C. MILLER	11.63	12.05	9.26
93B	CLAREMONT-POLICE STATION	8.81"	43	1180	34-05-43	117-42-57	POLICE DEPT. PERSONNEL	13.17	13.31	10.22
95	SAN DIMAS-FIRE WARDEN	S	45	955	34-06-26	117-48-19	L.A.CO.FIRE DEPT PERSONNEL	11.38	12.57	9.29
96C-E	PUDDINGSTONE DAM	SA	45	1030	34-05-31	117-48-24	LACFCD	11.51	11.97	9.04
99B	AZUSA-FOOTHILL RANCH	S	55	615	34-07-57	117-53-32	LOUIE HIROTA	13.82	13.70	9.34
102C	WALNUT-PATROL STATION	S	45	488	34-00-12	117-52-14	L.A.CO.FIRE DEPT PERSONNEL	10.66	11.55	7.51
106C	WHITTIER CITY HALL	S	45	320	33-58-27	118-01-58	CITY OF WHITTIER PERSONNEL	8.61	11.54	7.01
107C	DOWNEY-FIRE DEPT.	8.81"	47	130	33-56-18	118-08-03	DOWNEY FIRE DEPT PERSONNEL	7.52	11.45	6.40
108D	EL MONTE FIRE STATION	SA	45	275	34-04-30	118-02-30	EL MONTE FIRE STA. PERSONNEL	10.77	13.19	8.55
109D	WEST ARCADIA FIRE STATION	S	47	547	34-07-42	118-04-22	W. ARCADIA FIRE ST.PERSONNEL	12.52	14.51	8.27
110B	ALHAMBRA CITY HALL	S	45	533	34-06-05	118-07-52	WATER DEPT PERSONNEL	12.67	13.86	8.85
111	SOUTH PASADENA CITY HALL	S	45	490	34-06-58	118-09-05	FIRE DEPT PERSONNEL	11.65	14.16	8.25
116D	INGLEWOOD FIRE STATION	SA	50	135	33-57-54	118-21-15	FIRE STA. PERSONNEL	6.16	11.71	8.47
117F	COMPTON-FIRE STATION	S	48	78	33-53-42	118-13-34	FIRE STA. PERSONNEL	7.46	12.06	6.58
118C	WILMINGTON	S	44	40	33-47-27	118-15-30	PARK PERSONNEL	7.84	9.79	6.15
119G	SAWTELLE-SOLDIERS' HOME	S	76	345	34-03-21	118-27-20	VET. ADMIN. PERSONNEL	8.56	13.27	10.37
120	VINCENT PATROL STATION	S	46	3135	34-29-17	118-08-27	L.A.CO.FIRE DEPT PERSONNEL	4.30	7.71	4.64
122F	LEONIS VALLEY-MITTER RANCH	S	44	3200	34-37-12	118-17-08	VIRGIL L. BOYLE	7.58	12.82	7.58
124B-E	BOUQUET CANYON RESERVOIR	RP	45	3050	34-35-14	118-21-45	D.W.P. PERSONNEL	9.51	13.82	9.06
125B	SAN FRANCISQUITO CANYON POWER HOUSE NO.1	SP	55	2105	34-35-25	118-27-15	D.W.P. PERSONNEL	10.38	15.89	10.79
126B	VENICE FIRE STATION	S	44	55	33-59-32	118-27-39	FIRE STA. PERSONNEL	6.55	11.51	7.18
127B	DRY CANYON RESERVOIR	SP	51	1511	34-28-55	118-31-32	EDWARD FIELDS	8.87	13.21	7.22
128B	ELIZABETH LAKE CANYON	SA	44	2075	34-36-28	118-33-40	ARTHUR L. STEWART	10.61	20.35	11.34
130B	SANDBERG-QUAIL LAKE PATROL	S	45	4025	34-44-37	118-42-43	CAPT. J.E.PRYER	11.86	15.60	7.58
134B	SAN DIMAS-STEVENS	S	44	1215	34-07-42	117-46-42	ALBERT L STEVENS	10.56	14.12	10.96
135	NORWALK	S	46	85	33-53-52	118-04-00	CHARLES J. HARGITT	5.54	11.03	6.09
140C	SAWTELLE	AP	44	250	34-02-43	118-26-55	L.A.CITY PERSONNEL	9.39	13.84	7.37
143B	AZUZA-CITY PARK	S	44	610	34-08-03	117-54-17	ARTHUR M BROWN	13.15	15.91	9.02
144	SIERRA MADRE DAM	S	44	1100	34-10-34	118-02-32	L. CINNAMON	17.20	20.57	10.40
155C	LITTLE ROCK CREEK	S	47	3120	34-29-45	118-01-33	U.S.F.S. PERSONNEL	4.78	8.09	4.88
156	LA MIRADA-STANDARD OIL COMPANY	SA	49	86	33-53-13	118-00-56	STANDARD OIL CO. PERSONNEL	6.12	10.10	6.82
157C	EL SEGUNDO-STANDARD OIL COMPANY	S AP	44	125	33-54-57	118-25-05	STANDARD OIL CO. PERSONNEL	6.05	11.80	6.61
158	TANBARK FLATS	SP MP	44	2750	34-12-20	117-45-40	U.S.F.S. PERSONNEL	17.43	20.27	12.34
167C	ARCADIA PUMPING PLANT NO. 1	S	43	411	34-09-31	118-02-02	ARCADIA FIRE STA. PERSONNEL	14.34	16.79	8.60
169	SIERRA MADRE PUMPING PLANT	SP	47	700	34-09-47	118-02-21	L.CINNAMON AND C.ASKEW	15.29	17.07	9.02
170F	PUTRERO HEIGHTS	S	46	285	34-02-32	118-04-44	S.CALVIN EDINGER	9.69	11.67	6.89
172B	DUARTE	S	31	548	34-08-26	117-58-02	JACK L. LONGRESS	15.98	15.21	9.32
174B	GLENDORA-WARREN	S	49	930	34-07-43	117-49-08	L.A.CO.FIRE DEPT PERSONNEL	12.88	13.94	10.11
175B	LA CANADA IRRIGATION DISTRICT	S	49	2020	34-13-38	118-12-40	LA CANADA IRRIG.DIST.PERSONNEL	14.43	21.94	11.46
176	ALTADENA-RUBIO CANYON	SP	51	1125	34-10-55	118-08-15	LAND & WATER ASSOC. PERSONNEL	12.97	18.37	8.80
177F	LA CANADA-AP ROBERTS	S	60	1260	34-12-14	118-11-40	J.P. AP ROBERTS	11.91	18.79	11.05
178C	AZUZA VALLEY WATER COMPANY	SA	72	620	34-06-58	117-52-50	LACFCD PERSONNEL	11.64	11.61	9.09
179G	BAILEY DEBRIS BASIN	SA	77	1180	34-10-25	118-03-38	LACFCD PERSONNEL	16.57	19.72	10.21
185	GLENDORA-WEST	S	92	822	34-08-23	117-51-33	MRS. L.M. WEST	14.93	14.59	9.85
191B	LOS ANGELES-ALCAZAR	SA	20	400	34-03-46	118-11-54	LACFCD PERSONNEL	9.24	12.97	5.28
192C	BELL-FIRE STATION	8.81"	44	145	33-58-45	118-11-16	CHIEF J.H. CARROLL	8.55	12.23	7.62
193B	CUYUNA NO.2-TEMPLE	S	49	580	34-04-57	117-52-29	WILLIAM B. TEMPLE	11.25	13.00	8.46
196C	LA VERNE-FIRE STATION	S	66	1050	34-04-06	117-46-20	HARRY D. BLICKENSTAFF	12.31	12.34	9.51
198C	BRAND DEBRIS BASIN	8.81"	41	925	34-11-04	118-16-32	LACFCD PERSONNEL	INC.	14.04	8.74
199D	HUNTINGTON PARK	S	43	175	33-59-00	118-13-47	CHIEF R. WALTON	6.88	10.99	7.49
200	SAUGUS-SO.CAL.EDISON CO.SUBSTATION	S	44	1096	34-25-21	118-34-26	S.C.E.CO.PERSONNEL	8.24	12.45	7.88
201C	ALTA MIRA RANCH	SA	43	845	33-59-40	117-59-31	CLARENCE R. WOODHURST	10.40	13.49	8.90
208A	ARTESIA	S	54	52	33-51-48	118-04-58	L.A.CO.FIRE DEPT PERSONNEL	7.12	10.30	6.76
210B	BRAND PARK	SA	43	1250	34-11-18	118-16-20	LACFCD PERSONNEL	11.32	16.94	10.11
213G	LOS ANGELES	SA	43	200	34-03-52	118-21-17	LACFCD PERSONNEL	7.31	13.45	7.00
214	GLENDALE-JONES	SP	45	615	34-09-54	118-15-01	JAMES E. JONES	10.58	14.46	8.89

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1969-70	1970-71	1971-72
219	PACOIMA WAREHOUSE COUNTY FORESTRY	S	42	955	34-15-21	118-24-24	L.A.CO.FIRE DEPT PERSONNEL	10.77	12.98	6.79
222L	LANKERSHIM PUMPING PLANT	SP	43	717	34-11-39	118-23-17	D.W.P. PERSONNEL	9.77	15.77	8.37
2238-E	BIG DALTON DAM	SA	43	1575	34-10-06	117-48-36	GERALD M. THRASHER	16.48	18.41	12.48
224C	LONG BEACH ALAMITOS LAND COMPANY	S	77	220	33-46-01	118-11-28	ALAMITOS LAND CO PERSONNEL	5.85	8.44	5.59
225	MONTANA RANCH	S	52	47	34-50-35	118-07-09	LAKEWOOD WATER DEPT.PERSONNEL	6.59	12.12	7.33
226B	BURBANK FIRE STATION	S	43	660	34-10-58	118-18-23	BURBANK FIRE DEPT PERSONNEL	9.81	16.80	8.33
227D	SAN GABRIEL-BRUINGTON	S	41	472	34-06-18	118-06-32	A.E. BRUINGTON	12.31	13.99	8.69
228D	BEVERLY HILLS-CITY HALL	S AP	47	290	34-04-27	118-23-57	FRED E. POWER	8.04	15.10	8.48
235C	HENNIGER FLATS	SP A	42	2550	34-11-38	118-05-17	FORESTRY PERSONNEL	17.42	23.18	11.20
237C-E	STONE CANYON RESERVOIR	SP	47	865	34-06-21	118-27-13	D.W.P. PERSONNEL	10.82	18.75	10.71
238	HOLLYWOOD DAM	SP	43	750	34-07-04	118-19-55	D.W.P. PERSONNEL	7.61	13.37	7.95
241C	LONG BEACH-CITY HALL	S AP	44	116	33-46-12	118-11-32	D.LEE MAYS	6.43	8.84	5.81
246C	CULVER CITY	SP	37	100	34-01-17	118-23-41	CULVER CITY FIRE DEPT PERS.	6.54	9.89	6.64
250D	ACTON CAMP	SA	37	2625	34-27-02	118-11-55	ACTON CAMP PERSONNEL	5.30	8.72	5.12
251B	LA CRESCENTA	S	51	1440	34-13-20	118-14-40	LA CRES.VAL WATER DIST.PERS.	12.43	19.97	11.06
255D	MT.SAN ANTONIO COLLEGE-SPADRA	S	42	780	34-02-58	117-50-14	J.G. PAGE	11.19	11.25	8.35
256C	POMONA FIRE STATION	S	54	844	34-03-16	117-45-10	FIRE STATION PERSONNEL	11.37	9.99	7.49
257	GRIFFITH PARK NURSERY	S	41	850	34-07-18	118-17-04	WILLIAM S. TOLIN	8.85	14.16	9.02
259D	CHATSWORTH-TWIN LAKES	SA	42	1275	34-16-43	118-35-41	D.C. CULBREATH	12.21	16.68	8.55
261F	ACTON-ESCONDIDO CANYON	SA	76	3260	34-29-42	118-16-22	LACFCD PERSONNEL	6.81	9.64	6.19
263F	POMONA-RIVERA	S	42	820	34-01-34	117-46-06	GLORIA E. RIVERA	11.30	13.34	9.21##
265D	PUENTE HILLS	S	47	445	33-57-08	117-55-26	P.J. WEISEL JR.	9.68	11.97	8.25
269C	DIAMOND BAR-HORSE CAMP	SP AP	42	870	33-59-40	117-48-54	U.S.C.E. PERSONNEL	11.66	10.78	8.22
270C	COUNTY FARM-RANCHO LOS AMIGOS	S	39	90	33-55-18	118-09-44	RALPH BASSETT	7.40	11.65	5.90
272D	L.A. HEADWORKS PUMPING PLANT	S	42	470	34-09-21	118-18-02	L. STEVENS	9.12	13.24	9.08
274B	ACTON-HUBBARD	SP	73	3498	34-31-31	118-13-58	MRS. GUY S. LEE	7.04	10.12	5.16
275	SAN MARINO-HUNTINGTON LIBRARY	SP	52	470	34-07-38	118-06-46	LIBRARY PERSONNEL	13.51	14.48	8.09
277	SAWMILL MOUNTAIN RANCH	S	43	3700	34-43-15	118-35-00	J. HADOLE	12.83	17.87	12.96
278B	LOS ANGELES-CLARK MEMORIAL LIBRARY	S	42	203	34-02-00	118-18-46	FRANK ORDON	7.48	12.15	6.29
280B	FLINTRIDGE FIRE STATION	SA	42	1345	34-10-57	118-11-47	L.A.CO.FIRE DEPT.PERSONNEL	12.23	17.02	10.58
283C	CRYSTAL LAKE	SA	41	5370	34-19-02	117-50-28	U.S.F.S. PERSONNEL	22.89	25.71	18.88
284D	PLACERITA CANYON	S	44	1485	34-22-37	118-28-43	SAM HURT	12.38	17.08	10.41
285C	MOUNT ST.MARY'S COLLEGE	S	42	1025	34-05-10	118-28-57	MARTIN BULLINGER	10.78	18.85	9.96
287B	GLENDORA	8.81"	43	785	34-08-09	117-51-52	CITY OF GLENDORA PERSONNEL	14.44	14.96	8.57
289	LAGUNA-BELL-S.C.E.CO.SUBSTATION	SP	42	140	33-58-37	118-08-48	S.C.E.CO. PERSONNEL	9.42	11.80	6.30
290D	MONTEREY PARK-FIRE STATION	S	22	305	34-02-27	118-07-42	FIRE STATION PERSONNEL	10.01	12.61	7.88
291	L.A.-96TH 2ND CENTRAL	SA	42	121	33-56-56	118-15-47	D.W.P.PERSONNEL	7.06	12.16	7.15
292D-E	ENCINO RESERVOIR	S AP	44	1075	34-08-56	118-30-57	E.E. HARDIN	11.38	18.12	10.17
293E	VAN NORMAN LAKE - LOWER	SP	44	1150	34-17-18	118-28-54	C.W. CARNEY	13.23	17.23	9.96
294B	SIERRA MADRE-MIRA MONTE PUMPING PLANT	SP	42	985	34-10-11	118-02-51	C. ASKREN AND L. CINNAMON	17.14	19.51	10.32
295G	GLENDALE-STAPENHORST	S	43	530	34-09-07	118-15-40	R. STAPENHORST	9.72	13.76	DISC.
298B	GORMAN	S	35	3660	34-47-16	118-49-55	DENEY RALPH	9.73	11.29	8.27
299F	LITTLE ROCK	S	42	2800	34-32-12	117-58-43	REUBEN J. SCHWAB	5.57	5.45	3.30
303F	PASADENA-CAL TECH	SA	41	800	34-06-14	118-07-25	DR. W.M. BROOKS	12.86	15.93	9.29
304	SAWPIT CANYON-DEER PARK	SA	42	2690	34-11-38	117-57-52	JAMES T. MCGOWAN	25.35	28.13	14.62
306M	ZUMA BEACH	S	32	15	34-01-15	118-48-42	L.A.CO. LIFEGUARDS	9.78	18.75	7.64
321-E	PINE CANYON PATROL STATION	S AP	41	3284	34-40-24	118-25-45	L.A.CO.FIRE DEPT.PERSONNEL	8.76	17.04	9.85
322	MUNZ VALLEY RANCH	S	42	2600	34-42-50	118-21-15	ARNOLD MUNZ	4.16	10.00	9.62
334B-E	COGSWELL DAM	SA	40	2300	34-14-17	117-57-35	R.A. WINGER	23.98	26.35	14.27
336-E	SILVER LAKE RESERVOIR	SP AP	42	455	34-06-08	118-15-54	D.W.P.PERSONNEL	8.18	12.53	7.84
338A	MT. WILSON OBSERVATORY	S	40	5675	34-13-32	118-03-21	T.CRAGG	21.37	27.70	13.25
338B	MT. WILSON AIRWAYS	SP A	33	5709	34-13-36	118-03-57	MARCIA E. WIRE	20.04	25.70	14.12
343	ALISO CANYON-BLUM RANCH	S	41	2900	34-27-33	118-09-20	GEORGE J. BLUM	4.87	8.96	6.22
342C	UPLAND EUCLID PUMPING PLANT	SP AP	40	1610	34-07-33	117-40-52	THOMAS R. CHAPPELL	12.74	14.93	9.77
347E	BALDWIN PARK EXPERIMENTAL STATION	S	40	384	34-06-36	117-57-40	LACFCD PERSONNEL	10.59	13.43	8.11
348D	EAST FORK R.S.	SP	20	2075	34-14-20	117-44-08	USFS PERSONNEL	16.54	19.32	13.58
349D	CAMP RINCON	8.81"	40	1510	34-14-28	117-51-45	LACFCD PERSONNEL	18.64	19.79	14.26
352B	LECHUZA PATROL STATION	SA	40	1620	34-04-38	118-52-47	L.A.CO.FIRE DEPT.PERSONNEL	14.79	19.76	10.83
355B	LOS ANGELES-CITY COLLEGE	S AP	39	360	34-05-14	118-17-28	METEOROLOGICAL DEPARTMENT	9.11	13.14	6.85
356C	SPADRA-PACIFIC COLONY	SA	28	690	34-02-31	117-48-35	R.S. HUTCHISON	11.57	11.05	8.11
357	VAN NORMAN LAKE-UPPER	SP AP	44	1248	34-18-49	118-29-30	D.W.P. PERSONNEL	12.59	17.09	9.36
363C	WILSON CANYON	ST	17	3175	34-21-17	118-27-00	LACFCD PERSONNEL	14.05	22.39	10.33
364	HAINES CANYON-LOWER	S	54	2450	34-15-50	118-16-13	JAMES P. KINDRED	14.26	24.82	12.17
365C	MT.LUKENS	SP	26	5040	34-16-05	118-14-06	USFS PERSONNEL	12.98	14.56	8.60
367	HAINES CANYON-UPPER	SP A	39	3440	34-16-18	118-15-07	JAMES P. KINDRED	15.30	26.09	11.77
372	SAN FRANCISQUITO POWER HOUSE NO.2	SP B	42	1580	34-32-02	118-31-27	D.W.P. PERSONNEL	10.70	15.16	10.00
373B	BRIGGS TERRACE	SB	38	2225	34-14-17	118-13-27	R.T. SIENS	15.86	24.48	12.89
377F	LAKE SHERWOOD ESTATES	SP	57	960	34-08-26	118-52-26	WILLIAM D. FERGUSON	12.07	16.34	8.98
379B	SAN GABRIEL-EAST FORK	SA	39	1400	34-14-09	117-48-18	LACFCD PERSONNEL	19.38	18.78	11.93
386C	ZUMA CANYON-OAKLEY	S	37	1500	34-04-58	118-49-38	BEATRICE OAKLEY	17.19	26.22	12.54
387B	COVINA CITY YARD	SP	37	508	34-05-02	117-53-57	CITY OF COVINA PERSONNEL	10.72	11.95	8.84
388D	PARAMOUNT-CO. FIRE STATION	8.81"	37	80	33-53-50	118-10-02	L.A.CO.FIRE DEPT. PERSONNEL	6.93	11.32	6.47
390B-E	NORRIS DAM	SP	42	1210	34-10-53	117-52-43	EVERETT PUTNAM	16.12	19.04	10.60
391C	MONTEBELLO-FIRE DEPARTMENT	8.81"	30	250	34-01-08	118-06-15	FIRE DEPT. PERSONNEL	10.65	12.12	6.98
394	HIGHLAND PARK-LINDSAY	S	77	620	34-07-06	118-10-39	MRS.ELIZABETH S.STEVENS	10.20	13.36	8.21
395B	OLIVE VIEW SANITARIUM	S	38	1425	34-19-29	118-26-55	T.J. TSUBOCHI	13.38	16.37	8.98
402F	CEDAR SPRINGS	SA	34	4780	34-21-21	117-52-34	LACFCD PERSONNEL	18.49	17.96	20.01
405B	SOLEDAD CANYON	SA	36	2150	34-26-23	118-17-33	B. CHAPMAN	9.06	12.57	7.76
406C	WEST AZUZA	S	36	505	34-06-53	117-54-56	OLIVER ENGLER	11.93	13.27	9.56
409E	RIDGE ROUTE-STATE HWY MAINTENANCE STATION	SP AP	36	2305	34-40-34	118-46-47	D.W.P. PERSONNEL	12.71	17.53	8.71
415	SIGNAL HILL-CITY HALL	SA	35	140	33-47-49	118-10-03	GARY ALNSTRON	6.68	9.48	6.62
419B	SANTA CLARA RIDGE-MT.GLEASON	ST	32	5420	34-22-36	118-12-23	LACFCD PERSONNEL	23.74	N.R.	N.R.
420C	ACTON-COLOMBO RANCH	S	35	3000	34-25-41	118-11-52	CHRISTOPHER C. BREWBORD	6.98	11.75	5.50
422G	PACOIMA CANYON	S	37	2075	34-20-51	118-22-20	JAMES F. CHAMPION	15.62	23.29	11.71
423A	ALISO CANYON-WAGON WHEEL RANCH	S	35	3910	34-24-56	118-05-27	EARL W. SCRIBNER	13.78	18.17	12.22
425B-E	SAN GABRIEL DAM	SA	34	1481	34-12-19	117-51-38	LACFCD PERSONNEL	20.35	21.14	13.15
432	SANTA ANITA-FERN LODGE	S	34	2035	34-12-52	118-01-03	LOUIS LUEBKERT	18.97	27.03	13.19
433C	FAIR OAKS DEBRIS BASIN	SA	34	1585	34-12-15	118-08-18	LACFD PERSONNEL	14.72	19.96	9.41
434	AGOURA	SA	34	800	34-08-08	118-45-08	L.A.CO.FIRE DEPT.PERSONNEL	11.87	17.17	7.47
435	MONTE NIDO	SA	34	600	34-04-41	118-41-35	L.A.CO.FIRE DEPT.PERSONNEL	11.88	20.34	10.50
436C	HANSEN DAM	AP	34	1110	34-16-08	118-23-59	U.S.C.E.PERSONNEL	10.74	15.16	7.89
437	HAMILTON POOL-LONG BEACH	S	34	40	33-47-51	118-10-16	D. RAGSDALE	6.30	8.65	5.83
440C	CHILAO-USFS CAMP	S	33	5155	34-19-42	118-01-00	USFS PERSONNEL	16.41	21.18	11.86
442C	MESCAL CREEK	S	33	3370	34-29-05	117-44-10	SCHELLEY PAUL	INC-	4.84	2.82
443B	LATIGO CANYON-BEACH RANCH	S	33	1700	34-05-35	118-48-52	A.O. BEACH	17.78	25.96	13.53
444F-E	ROLLING HILLS-SOUTH COAST BOT. GARDENS	A	43	400	34-44-47	118-20-35	BOTANICAL GARDENS PERSONNEL	8.37	13.81	7.71
445B	LIVE OAK DAM	8.81"A	33	1510	34-08-02	117-44-38	LACFCD PERSONNEL	12.82	12.59	9.40
446	ALISO CANYON-OAT CANYON	SA	33	2367	34-18-53	118-33-25	RICHARD E. POPE	14.57	18.87	11.60
447C	CARBON CANYON	S	33	50	34-02-18	118-38-50	FIRE DEPARTMENT PERSONNEL	9.39	17.00	10.60
449B	EATON WASH DAM	SA	35	880	34-10-06	118-05-33	JOHN C. BARR	15.46	15.74	8.36
453C	DEVILS GATE DAM	S AP	33	1090	34-11-08	118-10-19	RICHARD E. GARRISON	11.50	17.80	9.27
455B	LANCASTER-STATE HWY MAINTENANCE STATION	S	32	2395	34-40-57	118-08-02	HIGHWAY MAINTENANCE PERSONNEL	2.29	5.87	3.46
456	PIUTE BUTTE	S	32	2480	34-39-02	117-50-57	L. SCHOENBERGER	2.77	5.17	3.04
458	ZUMA CANYON PATROL STATION	SA	32	115	34-01-10	118-47-44	L.A.CO.FIRE DEPT.PERSONNEL	10.22	18.21	8.81
460C	PLEASANT VIEW MESA	S	32	5980	34-27-34	117-55-57	JAMES W. STEELE	8.09	7.29	4.89
462B	HILLCREAST COUNTRY CLUB-LOS ANGELES	S	32	185	34-02-54	118-24-06	DAVID MASTROLEO	9.18	14.17	7.66
465C	SOPULVEDA DAM	AP	27	583	34-10-06	118-28-11	U.S.C.E. PERSONNEL	10.16	16.15	8.79
466B	PACOIMA CANYON-DUTCH LOUIE CANYON	SA	31	3220	34-21-07	118-20-38	DONNA D. KLINE	13.10	21.47	11.24
468	PICKENS DEBRIS BASIN	8.81"	29	1490	34-13-18	118-13-45	LACFCD PERSONNEL	13.77	19.92	10.43
470	TUJUNGA-HILL CREEK	SA	31	4600	34-23-09	118-05-25	LACFCD PERSONNEL	11.30	12.99	7.87

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1969-70	1970-71	1971-72
471	LITTLE TUJUNGA-GOLD CREEK	AP	31	2750	34-18-57	118-18-02	U.S.C.E.PERSONNEL	11.80	19.81	8.74
474B	SOUTH GATE FIRE STATION	S	31	130	33-57-16	118-12-43	FIRE STATION PERSONNEL	7.83	15.04	7.94
475	SAUGUS-NEWHALL LAND AND FARMING COMPANY	S	31	1150	34-24-56	118-32-51	NEWHALL FARMING CO.PERSONNEL	10.18	INC.	8.24
476H	TRIUNFO CANYON	S	31	825	34-07-50	118-47-47	DR.OREN H.WHITTON	12.41	INC.	INC.
477D	SANTA ANITA-SPRING CAMP	SA	31	4655	34-12-52	117-58-56	R.A. WINDER	22.21	29.91	14.44
478	VALYERMO-USFS HEADQUARTERS	SP	30	3710	34-26-44	117-51-10	USFS PERSONNEL	6.86	9.83	6.44
480B	TEMPLE CITY FIRE STATION	S	27	404	34-06-31	118-03-25	L.A.CO.FIRE DEPT PERSONNEL	12.03	11.33	7.17
482	LOS ANGELES-USC	S	30	208	34-01-14	118-17-15	STANLEY S. BUTLER	6.78	8.09	4.13
488B	NAGEL CANYON PATROL STATION	S	29	1450	34-17-45	118-22-30	L.A.CO.FIRE DEPT.PERSONNEL	10.80	18.12	8.27
491C	PACIFIC PALISADES	S	28	280	34-02-34	118-32-09	PHYLLIS GENOVESE	9.38	15.14	8.89
492C	CHILAO-STATE HIGHWAY MAINTENANCE STATION	SA	28	5280	34-19-02	118-00-30	LACFCD PERSONNEL	16.56	21.35	13.25
493D	SAND CANYON-MCMILLAN	SA	28	1805	34-23-17	118-24-50	FIRE DEPT. PERSONNEL	14.04	18.53	10.55
497	CLAREMONT-SLAUGHTER	8.81"P	24	1350	34-07-35	117-43-55	FRANK E. SLAUGHTER	12.34	13.48	9.73
498	ANGELES CREST HWY DARK CANYON TRAIL	S	28	2800	34-15-21	118-11-45	T. ARNDT	15.57	22.99	11.90
508D	ARROYO SECO RANGER STATION	S	40	1220	34-12-33	118-10-12	USFS PERSONNEL	12.72	18.62	9.97
537H	ANDERSON RANCH (LEWIS RANCH)	SA	34	4615	34-25-12	117-53-11	PHIL LEWIS	11.27	13.40	10.82
542-E	FAIRMONT	SP	43	3050	34-42-15	118-25-40	A.E. MAJORS	7.83	14.82	9.23
560B	LA VERNE HEIGHTS	S	29	1235	34-06-57	117-45-04	MAURICE L. HAGEY	13.22	13.27	9.97
564C	LLANO	S	42	3390	34-29-13	117-50-02	R. BLALOCK	2.52	5.64	2.36
565B	LONG BEACH-CITY AUTOMATIC	AP	25	11	33-47-16	118-12-08	CITY OF LONG BEACH PERSONNEL	6.33	8.59	6.21
566	LONG BEACH NO.1	SP AP	47	15	33-46-46	118-08-36	CITY OF LONG BEACH PERSONNEL	6.55	10.00	6.33XX
588D	MOUNT LOWE	ST	44	4435	34-13-37	118-06-33	LACFCD PERSONNEL	N.R.	26.16	N.R.
593B	NEWHALL RANCH	SP	40	875	34-24-06	118-44-10	NEWHALL FARMING CO PERSONNEL	10.99	12.63	9.49
610B	PASADENA-CITY HALL	SP	37	864	34-08-54	118-08-36	MESSRS. OKUBO AND CRAIG	11.42	15.78	8.76
611C	ALTADENA GOLF COURSE	8.81"	73	1186	34-10-48	118-07-01	LACFCD PERSONNEL	14.76	17.74	5.86
612	PASADENA-CHLORINE PLANT	SP	56	1181	34-12-27	118-10-00	MESSRS. OKUBO AND CRAIG	12.43	18.73	10.66
613B	PASADENA-HURLBUT FIRE STATION	SP	33	780	34-07-48	118-09-12	PASADENA FIRE DEPT. PERSONNEL	13.14	15.11	8.84
619	SAN ANTONIO CANYON SIERRA POWER HOUSE	S	47	3110	34-12-29	117-40-26	LACFCD PERSONNEL	19.46	18.88	13.52
627	SAN GABRIEL CANYON-POWER HOUSE	SP A	73	744	34-09-20	117-54-28	OTTO KIRMSEE	16.66	16.94	10.27
634C	SANTA MONICA	SP	45	94	34-00-43	118-29-27	TOM HUMES	7.23	12.78	6.54
647J	TUJUNGA	SP	55	1490	34-16-22	118-17-35	JAMES D. PARRA	12.32	20.64	9.56
672	EAGLE ROCK SO.CAL.EDISON CO. SUBSTATION	SP	38	950	34-09-02	118-10-57	SO.CAL.EDISON PERSONNEL	10.98	15.93	8.99
673D	ALAMITOS BAY	8.81"	44	15	33-45-15	118-07-51	G.L.HOYT	7.19	9.29	5.83
674	PASADENA-SHELDON RESERVOIR	SP	34	1052	34-10-39	118-09-56	MESSRS OKUBO AND CRAIG	11.46	15.91	9.22
679	PUENTE-NO.WHITTIER HTS.	SP	37	314	34-01-14	117-58-40	DILLON WOOD	10.80	N.R.	N.R.
680B	WESTWOOD-UCLA	SP	40	500	34-04-10	118-26-30	MIREK BORONSKI	9.03	15.73	8.45
681A	SIERRA MADRE RANGER STATION	S	34	935	34-10-15	118-01-54	USFS PERSONNEL	INC.	N.R.	10.40
683	SUNSET RIDGE GUARD STATION	SP AP	31	2110	34-12-53	118-08-47	T. ARNDT	15.62	20.72	10.67
694F	BIG TUJUNGA CANYON	SA	16	1525	34-17-22	118-17-17	LACFCD PERSONNEL	9.99	18.46	7.75
695B	TUJUNGA CANYON-VOGEL FLAT	S	37	1850	34-17-12	118-13-32	HENRY L. SMITH	17.61	27.08	11.34
703	GLENDALE-MCINTYRE	SP	33	603	34-09-00	118-14-27	P.T. MCINTYRE	10.24	13.34	8.27
705	ALDER CREEK-PARADISE RANCH	SP	30	2330	34-19-48	118-19-03	BRIAN ESPARZA	11.02	18.30	9.53
716	LOS ANGELES-OLCOMMON STREET	SP AP	100	306	34-03-09	118-14-13	D.W.P.PERSONNEL	7.77	12.09	7.43
718B	THOUSAND OAKS	SP	29	810	34-10-43	118-50-59	VENTURA CO.FIRE DEPT.PERSONNEL	12.90	14.48	8.06
720B	SIMI VALLEY-SUSANA KNOLLS	SP	30	1085	34-15-40	118-40-30	SUSANA KNOLLS FIRE DEPT PERS.	10.81	17.23	7.63
722C	BELLEVIEW	S	25	2880	34-57-23	118-13-55	PHOEBE S. STORE	3.08	7.61	3.60
725B	BIRMINGHAM HOSPITAL	AP	27	726	34-11-13	118-30-17	U.S.C.E. PERSONNEL	10.62	15.58	8.30
726B	ANGELES CREST GUARD STATION	S AP	27	2300	34-14-05	118-11-00	T. ARNDT	15.46	23.88	DISC.
727B	NEWCOMB PASS	S	27	4025	34-14-17	118-01-04	LACFCD PERSONNEL	23.35	27.41	17.37
728	PACOIMA CANYON-CITY ROAD GUAGE	SP	27	3175	34-21-42	118-18-25	T. ARNDT	16.39	25.60	12.60
730	MILLARD CANYON-DAWN MINE	SP	27	2950	34-13-30	118-07-47	T. ARNDT	18.42	INC.	DISC.
731	OAK GROVE HOOTRS USFS FLOOD CONTROL	SP	27	1080	34-11-47	118-10-29	T. ARNDT	11.51	17.17	8.94
732B	ROBERTS CR.-SAN GABRIEL WEST FORK DIVIDE	ST	26	4100	34-13-30	117-55-15	LACFCD PERSONNEL	17.47	20.59XX	N.R.
734B	L.A. INTERNATIONAL AIRPORT	SP AP	31	105	33-56-32	118-23-44	U.S.W.B. PERSONNEL	5.51	9.92	6.52
735H	BELL CANYON	SA	20	895	34-11-40	118-39-23	LACFCD PERSONNEL	11.51	14.57	6.84
740B	SAN DIMAS CANYON-FERN NO.2	SP AP	31	5200	34-11-48	117-41-45	USFS PERSONNEL	20.14	24.39	16.37
741	SAN DIMAS CANYON-UPPER EAST FORK	AP	38	2765	34-13-41	117-44-26	USFS PERSONNEL	16.28	20.98	12.29
742C	SAN GABRIEL FIRE DEPT.	SP	33	445	34-06-11	118-05-54	SAN GABRIEL FIRE DEPT.PERS.	12.22	13.71	8.85
747	SANDBURG-AIRWAYS STATION	SP AP	40	4517	34-44-47	118-43-29	U.S.W.B.PERSONNEL	10.11	15.09	11.03
749B	BURBANK	SP AP	41	655	34-11-11	118-20-54	BURBANK PUBLIC SERVICE	8.81	14.87	8.14
750	PALMDALE-F.A.A.AIRPORT	SP	14	2528	34-37-20	118-05-00	F.A.A.AIRPORT PERSONNEL	2.47	5.30	3.83
755	GRIFFITH PARK-LITTLE CANYON	AP	25	900	34-07-32	118-16-58	CITY OF L.A. PERSONNEL	9.29	13.63	8.29
757	GRIFFITH PARK-FERN DELL	AP	25	750	34-07-12	118-18-20	CITY OF L.A. PERSONNEL	8.07	10.61	7.91
758	GRIFFITH PARK-LOWER SPRING CANYON	AP	25	600	34-08-02	118-17-27	CITY OF L.A. PERSONNEL	9.25	14.10	8.78
759	NICHOLS DEBRIS BASIN	8.81"AP	25	478	34-06-22	118-24-00	CITY OF L.A.LACFCD PERSONNEL	7.97	14.55	8.79
760B	STUDIO CITY-GOODLAND AVENUE	AP	25	627	34-08-58	118-24-24	CITY OF L.A. PERSONNEL	9.40	14.24	9.22
762	UPPER STONE CANYON	AP	25	943	34-07-27	118-27-15	CITY OF L.A. PERSONNEL	10.30	16.86	9.43
772	L.A.-ECHO PARK AND LUCRETIA	AP	25	475	34-05-02	118-15-11	CITY OF L.A. PERSONNEL	6.79	12.00	7.58
778B	SEPULVEDA CANYON-BELLAGIO ROAD	SP	24	570	34-04-50	118-28-12	CITY OF L.A. PERSONNEL	9.36	17.69	DISC.
783	CUDN CANYON	SP AP	24	1350	34-12-47	118-10-12	T. ARNDT	12.30	17.98	10.00
786	CUDN CANYON	SP	24	2250	34-13-18	118-09-47	T. ARNDT	11.88	17.17	9.26
788	CODN CANYON	SP	24	1710	34-12-56	118-10-00	T. ARNDT	12.34	18.21	9.63
789	EL PRIETO CANYON	SP	24	2325	34-13-32	118-09-19	T. ARNDT	14.34	19.84	10.43
793	MARKHAM SADDLE	SP	24	5300	34-14-21	118-05-55	T. ARNDT	16.95	INC.	DISC.
794E	LOWER FRANKLIN RESERVOIR	SP	24	585	34-05-43	118-24-40	R.C. WELLS	8.87	15.31	8.27
795	PASADENA-JOURDAN	SP	23	705	34-08-52	118-05-14	MESSRS OKUBO AND CRAIG	14.48	16.01	8.25
796	ELYSIAN PARK-FIRE DEPT.	AP	24	757	34-04-55	118-14-22	CITY OF L.A.PERSONNEL	7.48	11.12	5.52XX
797	DE SOTO RESERVOIR	SP	24	1127	34-16-17	118-35-12	R.D. MCCLELLAND	12.01	15.91	8.14
801B	MAGIC MOUNTAIN	AP	25	4720	34-23-18	118-19-27	U.S.C.E.PERSONNEL	12.06	INC.	11.09XX
802B-E	EAGLE ROCK RESERVOIR	SP	23	963	34-08-47	118-11-22	E.LAZAR	9.82	13.74	8.43
807	ASCOT RESERVOIR	SP A	25	620	34-04-46	118-11-14	ALBERT ARROYO	10.24	13.48	8.97
1000	HUNT CANYON-BONES RANCH	S	26	3263	34-30-48	118-03-37	L.R.BONES	4.67	9.07	4.28
1005B	MINT CANYON FIRE STATION	S	26	2300	34-30-35	118-21-40	L.A.CO.FIRE DEPT PERSONNEL	8.29	11.86	6.90
1006	SAN PEDRO-CITY RESERVOIR	SA	28	150	33-44-37	118-17-47	R.C.STEELE	7.66	11.62	7.26
1007C	CAMP VALCREST	S	26	5920	34-20-39	117-58-39	R.C.HADLOCK	15.92	22.90	10.21
1008-E	LA FRESA-S.C.E.CO.	SA	45	65	33-52-07	118-18-59	S.C.E.CO.PERSONNEL	6.09	11.00	7.55
1009	MINT CANYON-WARMUTH	S	26	1625	34-26-04	118-26-06	JOE J. WARMUTH	9.47	10.75	6.77
1010C	PALMER CANYON-FORKS	S	25	2120	34-09-32	117-42-06	LACFCD PERSONNEL	13.82	18.84	10.43
1011B	PALOS VERDES FIRE STATION	S	25	1275	33-45-25	118-21-11	L.A.CO.FIRE DEPT.PERSONNEL	8.36	11.42	8.05
1012B	CASTAIC JUNCTION	S	25	1005	34-26-18	118-36-43	L.A.CO.FIRE DEPT.PERSONNEL	8.79	12.50	8.04
1014F-E	RIO HONDO SPREADING	SA	45	170	33-59-57	118-06-04	GEORGE F. RESTEL	8.40	11.15	6.50
1016B	PALO COMADO CANYON-AGOURA	S	24	1175	34-09-45	118-44-16	HERMAN CUNNINGHAM	11.11	14.33	7.28
1017B	LITTLE ROCK CREEK ABOVE DAM	SA	24	3280	34-28-41	118-01-24	LACFCD PERSONNEL	5.00	8.01	5.49
1018B	SANTA SUSANA MTS. DEVIL'S CANYON	S	14	3340	34-20-18	118-36-44	CHARLES E. DWYER	14.84	21.78	INC.
1019	SANTA SUSANA MTS. SALT CANYON	ST	24	2850	34-21-24	119-39-42	LACFCD PERSONNEL	14.28	18.36	12.15XX
1020B	PADUA HILLS PATROL STATION	S	24	1800	34-08-52	117-41-55	L.A.CO.FIRE DEPT.PERSONNEL	15.12	16.16	10.48
1022	HASLEY CANYON-WESTERN GULF OIL CO.	S	24	1725	34-28-44	118-41-04	GULF OIL CO. PERSONNEL	10.85	15.16	10.19
1023B	SANTA MARIA CREEK-SPEER	S	20	1415	34-07-44	118-34-42	WILLIAM SPEER	12.15	18.27	9.21
1025	MALIBU BEACH-DUNNE	S	23	160	34-02-00	118-42-42	PHILLIP DUNNE	8.23	14.58	6.70
1029	TUJUNGA-MILL CREEK SUMMIT	S	23	4970	34-23-25	118-04-50	J. ROADHOUSE	15.19	19.93	9.60
1030	MT. ISLIP-LITTLE JIMMY SPRINGS	ST	23	7520	34-20-50	117-49-57	LACFCD PERSONNEL	25.56	32.52	25.16XX
1031B	MT. WATERMAN	ST	20	7960	34-20-23	117-56-21	LACFCD PERSONNEL	23.96	22.39	22.18
1033	WHITTIER-WOOD	SA	22	280	33-59-52	118-03-10	WALTER J. WOOD	10.03	12.93	7.54
1035	ARCADIA-ARBORETUM	SA	22	565	34-08-48	118-02-59	DAN MARTEL	13.99	15.41	6.10
1037-E	MT. PACIFICO	ST	22	6880	34-22-40	118-01-44	LACFCD PERSONNEL	15.22	19.73	N.R.
1038B	LOS ANGELES-MACQUEEN	S	21	225	34-04-13	118-19-23	DR. DON MACQUEEN	8.30	11.41	7.02
1039B	PUTNEY CANYON-SUNRAY DX OIL CO.	S	21	1150	34-23-50	118-38-18	SUNRAY DX OIL CO. PERSONNEL	10.05	15.23	9.17
1040	SANTA FE DAM	AP	23	427	34-07-04	117-58-24	U.S.C.E.PERSONNEL	12.96	13.66	7.95
1041B	SANTA ANITA CANYON-CHANTRY FLAT	S	20	2175	34-11-46	118-01-20	LILA ADAMS	19.17	26.02	11.81
1046B	LA CRESCENTA-CO. ROAD DEPT.	S	21	1410	34-13-27	118-15-23	ROAD DEPT. PERSONNEL	13.99	21.63	11.39

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

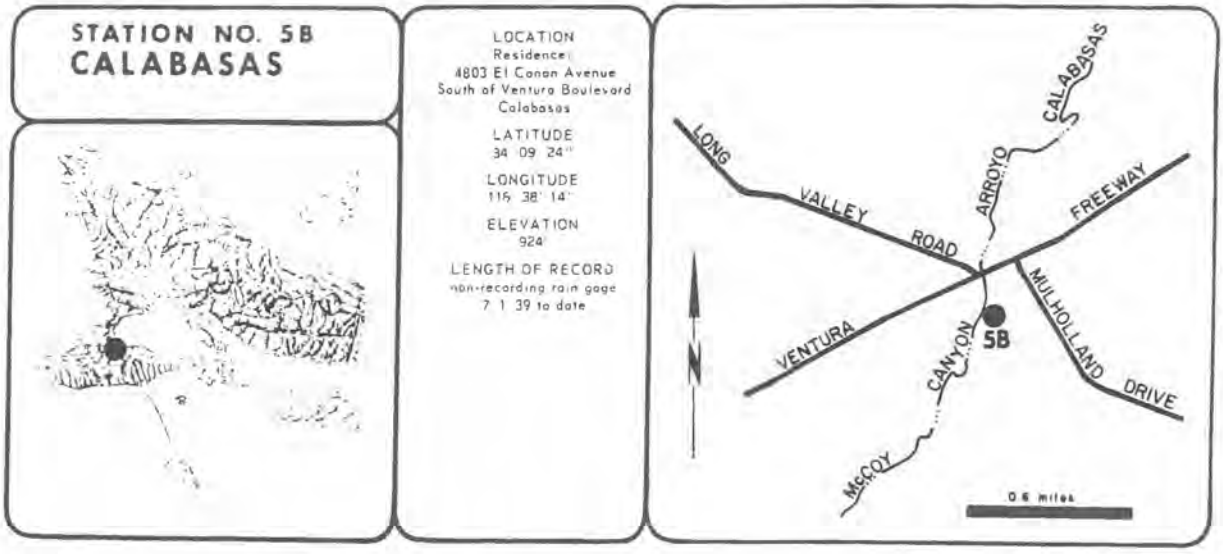
STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1969-70	1970-71	1971-72
10508	OLD TOPANGA CANYON	S	17	1090	34-06-20	118-37-40	JERRY HALLARD	13.98	22.98	9.69XX
1051B	CANOGA PARK-PIERCE COLLEGE	SP	23	800	34-10-51	118-34-23	LEE HAINES	11.69	17.80	8.65
1052	CAMP JOSEPHO	SP	20	660	34-04-51	118-31-10	PAUL WEISS	11.08	23.04	10.68
1054	VETERANS HOSPITAL-SAN FERNANDO	S	23	1730	34-19-35	118-24-44	HOSPITAL PERSONNEL	15.11	INC.	DISC.
10558	MT. BALDY NOTCH	S	19	7735	34-16-29	117-36-39	SKI LIFT PERSONNEL	25.76	INC.	19.49XX
10578	WHITTIER NARROWS ABOVE DAM	S	19	230	34-02-02	118-02-40	DORIS K. BULLION	9.76	INC.	DISC.
1058B-E	PALMDALE	SP AP	18	2595	34-35-17	118-05-31	IRRIGATION DISTRICT PERSONNEL	2.46	6.18	4.75
10598	SOUTH MT. HAWKINS	ST	19	7720	34-18-44	117-48-32	LA*FCD PERSONNEL	20.61	22.15	14.97
10608	LITTLE ROCK-SYCAMORE CAMP	SA	19	4000	34-25-02	117-58-13	B. BOWMAN	8.34	8.68	9.50
1062	BUCKHORN FLAT	SA	19	4760	34-20-44	117-55-08	LACFCD PERSONNEL	15.18	21.65	21.60XX
1063	SOLEDAD PASS	S	19	3528	34-29-35	118-05-28	J.G. JOHNSTON	4.99	9.29	8.08
10648	SAN GABRIEL EAST FORK-DOT MINE	ST	19	2060	34-14-28	117-45-36	LACFCD PERSONNEL	N.R.	N.R.	N.R.
10668	LONG BEACH-LEES STREET	AP	19	10	33-46-40	118-06-05	J.E. MCGINNIS	6.10	9.83	6.95XX
1068	RATTLESNAKE CANYON-CAMP NO.3	S	19	1290	34-05-00	118-51-55	L.A.CO.SHERIFF PERSONNEL	16.29	21.11	13.64
1069	SAN GABRIEL EAST FORK TUNNEL	ST	17	2775	34-16-58	117-44-48	LACFCD PERSONNEL	16.37	18.89	14.39XX
1070	HANNATTEN BEACH	S	19	182	33-53-00	118-23-19	CITY PERSONNEL	6.81	10.79	7.18
10718-E	DESCANSO GARDENS	S	19	1325	34-12-07	118-12-46	GARNER J. ENGEL	12.44	19.03	10.34
1072	LITTLE TUJUNGA RANGER STATION	SP A	19	1275	34-17-37	118-21-38	USFS PERSONNEL	10.42	INC.	7.76
1073B	PALMDALE-CIRCLE C	SP	19	2680	34-32-11	118-03-48	NORMAN E. ROSS	3.79	7.15	4.01
1074	LITTLE GLEASON	SA	17	5600	34-22-43	118-06-57	WILLIAM KALTRITER	14.26	20.03	13.59
1075	UPPER WOLFSKILL CANYON	AP	30	3625	34-10-13	117-48-16	USFS PERSONNEL	17.53	22.31	13.57
10768	MONTE CRISTO RANGER STATION	SP	18	3360	34-19-42	118-07-20	USFS PERSONNEL	13.08	16.24	10.78
10778	MONROVIA-FIVE POINTS	S	18	962	34-09-58	117-59-37	CITY PERSONNEL	19.36	18.84	9.24
1078	COVINA-GRIFFITH	SA	18	975	34-04-10	117-50-47	ELBERT B. GRIFFITH	10.87	11.21	9.38
1079	RUBIO DEBRIS BASIN	8.81"	18	1653	34-11-57	118-07-22	LACFCD PERSONNEL	14.80	19.65	9.80
10808	BRADBURY DEBRIS BASIN	SA	17	935	34-09-25	117-57-58	LACFCD PERSONNEL	17.40	16.74	9.74
1081	DEER DEBRIS BASIN	8.81"	17	1200	34-11-33	118-14-28	LACFCD PERSONNEL	9.99	16.29	8.91
1082	DUNSMUIR DEBRIS BASIN	8.81"	16	2275	34-14-52	118-13-06	LACFCD PERSONNEL	12.22	20.00	9.69
1083	HADDOCK DEBRIS BASIN	S	17	905	34-09-17	117-57-05	LACFCD PERSONNEL	14.71	16.93	9.54
1084B	RAY DEBRIS BASIN	S	31	1680	34-19-50	118-25-45	LACFCD PERSONNEL	14.56	18.05	9.33
1085	MCCLURE DEBRIS	8.81"	17	1010	34-12-42	118-19-35	LACFCD PERSONNEL	INC.	DISC.	
1086	TURNBULL DEBRIS BASIN	8.81"	18	495	33-59-18	118-01-30	LACFCD PERSONNEL	8.62	12.45	4.54
1087-E	GREEN VERDUGO PUMP PLANT	S	17	1340	34-15-25	118-20-11	E.G. PETER	9.28	16.49	7.23
1088B	LA HABRA HEIGHTS MUTUAL WATER CO.	SA	17	445	33-56-55	117-57-51	WATER CO. PERSONNEL	9.09	12.76	INC.
1089E	TOPANGA CANYON OUTLET	S	16	79	34-02-48	118-34-46	O.B. YARNUM	N.R.	INC.	9.09
1090	LOS ALAMITOS	SP	40	29	33-48-35	118-04-35	L. HEDRICK	6.42	9.32	4.73
1092B	BUENA PARK	3"P	45	80	33-51-26	117-59-29	PUBLIC WORKS OFFICE PERSONNEL	7.43	8.12	7.60
1093E	FULLERTON AIRPORT	SP AP	18	100	33-52-23	117-58-24	ORANGE COUNTY PERSONNEL	8.03	9.34	6.50
1095	ORANGE COUNTY RESERVOIR	SP AP	31	660	33-56-07	117-52-56	U.S.C.E.PERSONNEL	9.08	11.42	8.09
1099	WHITTIER-CATE	S	17	280	34-00-20	118-03-30	IRA D. CATE	9.62	12.81	7.49
1102C	BOBCAT CANYON-SAN GABRIEL WEST FORK	ST	17	4920	34-16-49	118-00-08	LACFCD PERSONNEL	17.43	20.51	13.86XX
1104	BOUQUET CANYON AT TEXAS CANYON	S	17	1760	34-30-38	118-27-00	USFS PERSONNEL	9.73	11.56	7.31
1105B	FAIRMONT	SP	17	2858	34-44-28	118-27-15	D.S. PATTERSON	5.65	13.18	5.73
11070	LA TUNA CANYON	SA	17	1160	34-14-13	118-19-37	LACFCD PERSONNEL	8.45	15.85	6.84
11088	LEONA VALLEY	SA	16	2875	34-39-22	118-17-15	MRS. JOSEPH Y. CARLIN	5.40	11.23	7.41
1109	MT.BALDY	ST	17	8650	34-16-53	117-37-00	LACFCD PERSONNEL	N.R.	N.R.	N.R
1110	SCHOLL DEBRIS BASIN	8.81"	17	987	34-09-13	118-12-01	LACFCD PERSONNEL	N.R.	INC.	6.35
1111C	DEVIL'S PUNCHBOWL	S	12	4760	34-26-48	117-51-29	JOHN SMITH	13.04	14.59	13.22
1113	DOMINGUEZ WATER CO.	SP AP	36	30	33-49-54	118-13-30	T.J. CLEAVER	6.34	9.47	6.66
1114B	WHITTIER NARROWS DAM	AP	16	259	34-01-29	118-05-02	U.S.C.E. PERSONNEL	9.38	12.28	6.82
1115	SAN ANTONIO DAM	8.81"AP	16	2120	34-09-24	117-40-20	U.S.C.E. PERSONNEL	13.72	17.43	10.78
1116	LONG BEACH-SAN ARSELINE	S AP	17	18	33-47-38	118-07-15	BAYARD WILMER	7.22	10.14	6.95
1117	PINE CANYON GUARD STATION	S	16	3810	34-41-55	118-30-35	G. HELSEL	11.46	20.99	12.81
11198	ATMORE MEADOW	ST	12	4325	34-41-18	118-36-16	LACFCD PERSONNEL	12.93	N.R.	14.64
1120	DAWSON SADDLE	ST	16	7900	34-22-08	117-48-10	LACFCD PERSONNEL	23.83	24.42	N.R.
1121C	BARLEY FLAT	S	16	5525	34-16-40	118-48-06	L.A.CO.SHERIFF PERSONNEL	17.36	20.79	15.00
1122	COOKS DEBRIS BASIN	8.81"	16	2100	34-14-49	118-13-40	LACFCD PERSONNEL	11.19	16.44	9.05
1124B	RED BOX GAP	S	15	4625	34-15-30	118-06-18	TONY ROMERO	23.53	27.00	15.86XX
1125	LA PUENTE	S	15	460	34-01-00	117-55-15	H.J. GRUETER	10.10	12.52	9.70
1126	LAND-EAST VALLEY	8.81"	15	780	34-12-30	118-24-35	J. SNAPPER	9.21	13.99	7.87
1127	WEST BURBANK	S	14	615	34-10-47	118-20-07	BURBANK FIRE DEPT PERSONNEL	8.81	15.04	8.79
1128	WRIGHTWOOD FIRE STATION	S	15	5960	34-21-34	117-37-57	FIRE STATION PERSONNEL	11.53	14.01	17.41
1129	NICHOLAS CANYON	S	14	348	34-02-52	118-54-57	R.E. GORDON	9.05	14.59	8.49
1132	OAK FLAT GUARD STATION	S	14	2800	34-35-46	118-43-15	USFS PERSONNEL	15.25	20.08	12.40
1133	FISH CANYON	ST	14	2600	34-12-23	117-56-43	LACFCD PERSONNEL	N.R.	29.92	14.40XX
1135B	LUNADA BAY	SP	14	250	33-46-37	118-23-15	RONALD HARRIS	4.96	9.69	7.09
1137A	STOUGH PARK	S	14	1375	34-12-15	118-10-03	LYLE GIBSE	8.60	17.18	9.93
1138	MT.DISAPPOINTMENT	SA	13	5725	34-14-42	118-06-07	T. ARNOT	21.69	24.77	12.07
11398	PALOS VERDES HILLS-HIGH RIDGE	S	11	1200	33-45-40	118-22-20	ROY V. MCCARREL	7.85	13.03	8.71
1140	ROSEMEAD	8.81"	12	305	34-04-35	118-03-55	L.A.CO.FIRE DEPT PERSONNEL	12.03	13.20	7.81
1141C	SPRING CANYON	S	10	2000	34-26-37	118-22-05	WALTER PREGA	8.65	INC.	INC.
1142	SOLEDAD CANYON-BERMITE POWDER CO.	S	34	1208	34-24-50	118-31-25	BERMITE POWDER CO. PERSONNEL	11.83	12.76	7.46
1145	UPLAND	SP	13	1608	34-07-57	117-38-38	LIBERTY GROVES PERSONNEL	12.66	19.47	10.39
1146	SANTA ANITA CANYON-HELIPORT	A	11	2575	34-12-52	118-01-05	LOUIS LUEBKERT	22.01	27.98	12.69
1147	EL CABALLERO COUNTRY CLUB	S	12	1008	34-08-52	118-31-53	E.G. BOMBER	11.42	17.92	9.87
1148B	SAN JOSE HILLS	S	12	440	34-03-00	117-54-53	HAROLD E. GAULDIN	9.58	12.99	8.25
1150	LOPEZ CANYON GUARD STATION	S	10	1350	34-17-34	118-23-41	USFS PERSONNEL	INC.	DISC.	
1151	BRIGDEN RESERVOIR NO.1	SP	12	1028	34-10-15	118-06-40	MESSRS.DRUBO AND CRAIG	14.67	17.76	8.75
1152	CLEAR CREEK RANGER STATION	S	12	3625	34-16-15	118-09-11	USFS PERSONNEL	17.30	23.50	12.49
1155	LAMMDALE	S	10	60	33-53-53	118-20-35	L.A.CO.FIRE DEPT.PERSONNEL	6.35	11.37	8.00
1158	TORRANCE MUNICIPAL AIRPORT	S	13	102	33-47-59	118-20-06	AIRPORT PERSONNEL	7.54	12.59	8.17
1159	SHORTCUT CANYON-WEST FORK	A	6	4425	34-15-59	118-04-08	LACFCD PERSONNEL	23.68	25.39	15.97
1160	SAN GABRIEL CANYON WEST FORK HELIPORT	A	6	3200	34-15-02	118-01-30	LACFCD PERSONNEL	27.57	28.09	16.58XX
1161	LA CRESCENTA-GREGG	SP AP	9	1885	34-13-52	118-13-50	ROBERT GREGG	14.14	20.90	DISC.
1162	IRON MOUNTAIN	ST	9	5520	34-21-06	118-13-46	LACFCD PERSONNEL	13.93	N.R.	11.17XX
1163	BEAR CANYON-CRYSTAL LAKE ROAD	ST	5	3480	34-19-33	[illegible]	LACFCD PERSONNEL	N.R.	25.92	17.86X
1164	MALTERIA LAKE PUMPING STATION	8.81"	8	90	33-48-35	118-21-05	LACFCD PERSONNEL	6.44	9.77	6.59
1165	GARAPITO CREEK	AP	9	1850	34-07-33	118-33-20	CITY OF LOS ANGELES PERSONNEL	11.30	19.12	DISC.
1167	FERRIER CANYON	S	7	5380	34-23-25	117-46-27	STANLEY LYNCH	15.39	INC.	INC.
1169	LAKE PIRU	SP	18	1145	34-28-24	118-45-42	FRANK C. BECKWITH	12.66	19.09	11.79
1170	WATER WORKS DISTRICT NO.6	AP	16	900	34-09-48	118-50-12	VENTURA CO.FCD PERSONNEL	12.50	14.45	8.01
1171	CAMULOS RANCH	SP AP	16	720	34-24-20	118-45-20	HARRY FORBES	10.23	12.94	10.08
1172	PIRU CANYON ABOVE PIRU LAKE	AP	16	1150	34-30-48	118-45-30	FRANK C. BECKWITH	12.03	16.89	11.78
1174	CASTRO PEAK	SP	7	2824	34-05-09	118-47-04	RAY SMITH	14.43	INC.	N.R.
1176B	PIRU	AP	6	2820	34-21-54	118-45-41	VENTURA CO.F.C.D.PERSONNEL	N.R.	N.R.	11.04
1177	BARD RESERVOIR	AP	6	1030	34-14-34	118-49-42	A.L. ALGAR	9.31	11.76	6.15
1181	SCHOOLMOUSE CANYON	A	5	1495	34-19-35	118-27-26	LACFCD PERSONNEL	12.11	INC.	DISC.
1182	FISH CANYON	AP	4	1670	34-34-11	118-39-40	B.W.P.PERSONNEL	12.12	DISC.	
1183B	LA HABRA FIRE STATION	SP	43	315	33-55-53	117-57-17	FIRE STATION PERSONNEL	9.99	10.86	7.82
1184	SAN FRANCISQUITO CANYON CAMP 17	S	4	1840	34-33-55	118-28-28	ROY ATKINSON	11.44	15.79	9.31
1185	CASTAIC TOWER LOOKOUT	S	4	2018	34-31-02	118-38-30	FIRE DEPT. PERSONNEL	9.83	15.72	DISC.
1186	ROBERT'S CANYON-UPPER	ST	4	2475	34-11-58	117-55-15	LACFCD PERSONNEL	22.45	N.R.	N.R.
1187	HILLARD-CAMP SIERRA	STP	1	2760	34-13-04	118-07-56	USFS PERSONNEL	N.R.	INC.	9.61
1188	EATON-HARKHAM SADDLE	SP	1	5400	34-14-31	118-05-38	USFS PERSONNEL	N.R.	INC.	7.39
1190	PACOIMA CANYON NORTH FORK RANGER STATION	S	3	4160	34-23-17	118-15-06	ROBERT BRADY	13.92	17.61	10.97XX
X15C	HI VISTA	S	21	3070	34-44-48	117-46-51	RICHARD L. SLINKER	3.35	3.78	2.56
X19	COOKS CANYON	SP	16	3400	34-15-52	118-15-11	T. ARNOT	12.54	18.58	8.88
X21B	DUNSMORE CANYON-UPPER	SP	16	4390	34-15-38	118-13-47	T. ARNOT	14.46	19.51	9.67
X22	ISLIP SADDLE	ST	19	4680	34-21-27	117-51-05	LACFCD PERSONNEL	24.04	27.56	20.26
X25	DORR CANYON	ST	15	7260	34-22-16	117-46-51	LACFCD PERSONNEL	20.76	22.60	24.87

RAINFALL STATION LOCATION AND SEASONAL AMOUNT

STA. NO.	STATION NAME	TYPE OF GAGE	YEARS OF RECORD	ELEV. OF GAGE	NORTH LAT.	WEST LONG.	OBSERVER	SEASONAL RAINFALL 1969-70	1970-71	1971-72
X24	GRASSY HOLLOW	ST	15	7360	34-22-30	117-43-09	LACFCD PERSONNEL	11.17	12.38	16.56
X25	BEAR GULCH	ST	15	7880	34-21-58	117-41-27	LACFCD PERSONNEL	18.92	19.83	20.44
X26	BLUE RIDGE	ST	15	8450	34-20-57	117-40-23	LACFCD PERSONNEL	9.05	INC.	10.47
X27	GUFFY'S CAMP	ST	15	9080	34-20-20	117-38-55	LACFCD PERSONNEL	15.90	17.19	19.01
X28R	HOLIDAY HILL	A	15	8130	34-21-29	117-40-54	D.O. BURNS	15.18	16.32	14.43
X29	PINE MOUNTAIN	A	11	4100	34-18-35	117-54-28	LACFCD PERSONNEL	24.19	N.R.	INC.
X33	EAGLE DEBRIS BASIN	8.81"	13	1890	34-14-07	118-14-12	LACFCD PERSONNEL	12.18	19.75	10.37
X40	TURNBULL CANYON-SKYLINE DRIVE	A	5	1200	33-59-55	118-03-13	LACFCD PERSONNEL	INC.	DISC.	
X42B	HOOK DEBRIS BASIN	S	4	1250	34-09-15	117-52-35	LACFCD PERSONNEL	13.55	14.58	7.99
X43	HARROW DEBRIS BASIN	8.81"AP	4	1275	34-09-25	117-51-40	LACFCD PERSONNEL	13.01	14.17	7.43
X44	ENGLEWILD DEBRIS BASIN	8.81"	4	1318	34-09-25	117-50-48	LACFCD PERSONNEL	14.74	15.36	9.26*

LEGEND REGARDING GAGE TYPE, OWNERSHIP, AND RAINFALL AMOUNTS

S	STANDARD 8" DIA. NON-RECORDING GAGE OWNED BY FLOOD CONTROL DIST.
A	AUTOMATIC RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
ST	STORAGE TYPE GAGE OWNED BY FLOOD CONTROL DISTRICT
8.81"	8.81" DIAMETER NON-RECORDING GAGE OWNED BY FLOOD CONTROL DISTRICT
3"P	3" DIAMETER NON-RECORDING GAGE OWNED BY OUTSIDE INTERESTS
4 1/2"P	4 1/2" DIAMETER NON-RECORDING GAGE OWNED BY OUTSIDE INTERESTS
SP	8" DIAMETER NON-RECORDING GAGE OWNED BY OUTSIDE INTERESTS
AP	AUTOMATIC RECORDING GAGE OWNED BY OUTSIDE INTERESTS
SUFFIX B OR C	DENOTES SECOND OR THIRD LOCATION OF STATION IN SAME AREA
SUFFIX E	DENOTES EVAPORATION PAN AT STATION
*	ESTIMATED GREATER THAN 10% OF TOTAL
**	ESTIMATED LESS THAN 10% OF TOTAL
INC.	INCOMPLETE RECORD
N.I.	NOT INSTALLED
N.R.	NO RECORD



STATION NO. 5B
CALABASAS

SEASON	RAINFALL		SEASON	RAINFALL
1927-28	12.35*		1957-58	30.81
1928-29	11.23		1958-59	9.97
1929-30	11.86*		1959-60	10.23
1930-31	14.98		1960-61	6.19
1931-32	19.68		1961-62	23.99
1932-33	12.57*		1962-63	13.69
1933-34	11.44		1963-64	9.91
1934-35	19.83		1964-65	16.34
1935-36	10.96		1965-66	24.64
1936-37	23.16		1966-67	20.29
1937-38	23.08		1967-68	18.44
1938-39	22.72 B		1968-69	33.02
1939-40	16.16		1969-70	12.83
1940-41	41.92		1970-71	19.21
1941-42	12.64		1971-72	9.55
1942-43	27.25			
1943-44	27.31			
1944-45	14.64			
1945-46	14.62			
1946-47	12.20			
1947-48	7.81			
1948-49	18.14			
1949-50	10.78			
1950-51	8.18			
1951-52	32.82			
1952-53	12.03			
1953-54	15.19			
1954-55	15.24**			
1955-56	15.32			
1956-57	11.80			

B = STATION MOVED TO B LOCATION JULY 1, 1939
* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 5B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Calabasas SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.3									
2			.34	.23								
3	.02											
4	.10											
5		.09										
6		.10										.51
7												
8												
9			.27									
10												
11												
12				.32								
13				.43		.37						
14			.10				.84					
15												
16			.12		.26							
17			.23		.79		.02					
18			.74									
19			2.88		.01							
20			.12									
21			1.49	.02								
22			.83									
23												
24												
25		.12										
26		.31	.02									
27												
28		.64						.10				
29		7.00										
		.58										
31												
TOTAL	.12	8.84	6.37	1.01	1.06	.37	.86	.17	0	0	0	.41

SEASON TOTAL 19.21

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 5B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Calabasas SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.04			1.38						
2						.54						
3												
4						.30						
5						1.11						
6		.93										
7		1.10										
8			.02									
9		.05	.03	.03	1.15							
10		.09		.90	1.04							
11				.33	.34							
12				.13								
13												
14				.03								
15		.02		.04								
16				.02								
17				.02	.05							
18												
19												
20			.06									
21												
22												
23												
24				.10								
25												
26												
27												
28					2.08							
29												
30												
31												
TOTAL	0	2.19	.15	2.50	4.66	3.33	0	0	0	0	0	0

SEASON TOTAL 12.83

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

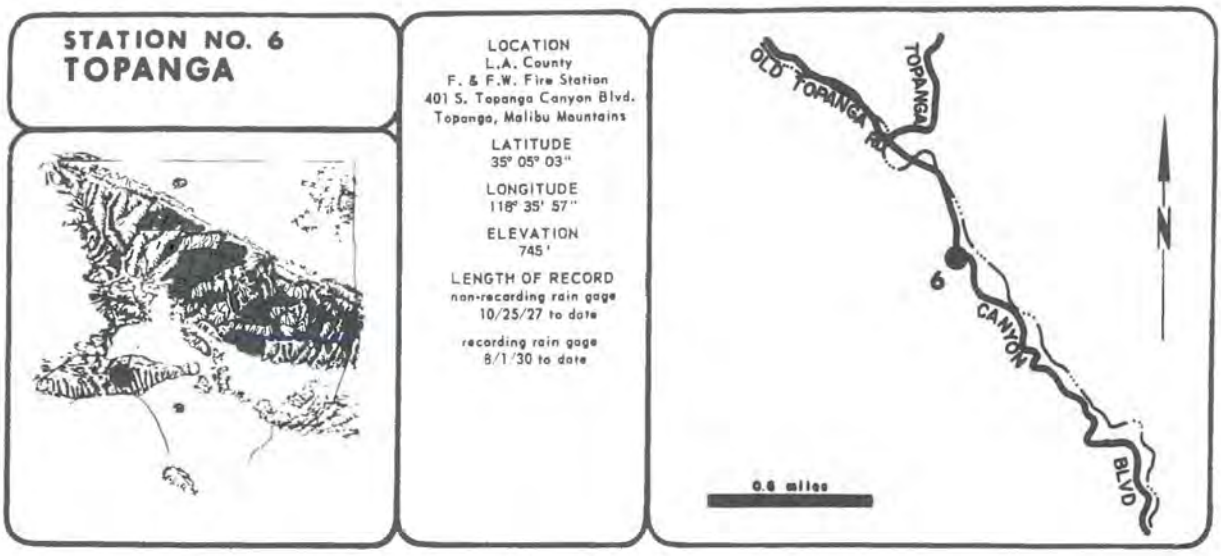
Station No. 5B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Calabasas SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.09									
4			.08									
5					.17							
6												
7												
8									.02			
9												
10												
11		.06										
12		.24									.09	
13			.29									
14												
15												
16												
17												
18												
19							.03					
20								.16				
21												
22			.28									
23			.09									
24	.64		1.73									
25			1.01									
26			.47									
27			3.70									
28			.73									
29												
30												
31												
TOTAL	.64	.30	8.4	0	.17	0	.03	.16	.02	0	.09	0

SEASON TOTAL 9.55

REMARKS:



STATION NO. 6
TOPANGA

SEASON	RAINFALL
1927-28	14.50
1928-29	20.46
1929-30	18.39
1930-31	24.89
1931-32	28.07
1932-33	18.39
1933-34	26.74
1934-35	25.21
1935-36	22.52
1936-37	33.96
1937-38	38.74
1938-39	24.61
1939-40	23.28
1940-41	54.64
1941-42	18.19
1942-43	32.96
1943-44	28.35
1944-45	20.04
1945-46	19.89
1946-47	19.44
1947-48	10.92
1948-49	12.65
1949-50	18.36
1950-51	12.62
1951-52	45.24
1952-53	14.92
1953-54	21.36
1954-55	20.25
1955-56	24.38
1956-57	17.65
1957-58	40.26
1958-59	11.67
1959-60	15.86
1960-61	8.96
1961-62	39.55
1962-63	16.35
1963-64	12.99
1964-65	19.65
1965-66	31.29
1966-67	38.63
1967-68	20.94
1968-69	48.99
1969-70	12.68
1970-71	24.00
1971-72	11.85

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 6
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Topanga Canyon Patrol Station SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.19	.20								
3												
4												
5		.07										
6		.39						.01				.15
7								.08				
8												
9			.46									
10												
11												
12				1.26								
13				.61		1.58						
14			.05	.02			.95					
15												
16			.55		.61							
17			.39		.81					.03		
18			.55									
19			2.79									
20			.18									
21			2.28									
22												
23												
24												
25		.14										
26		.30										
27												
28		.86						.06				
29		7.96										
30		.47										
31												
TOTAL	0	10.19	7.44	2.09	1.42	1.58	.95	.15	0	.03	0	.15

SEASON TOTAL 24.00

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 6
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Topanga Canyon Patrol Station SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02			.95						
2						.09						
3												
4						.74						
5						1.48						
6		.79										
7		1.23										
8		.02										
9		.05		.16	1.01							
10		.09		1.19	1.38							
11				.26	.38							
12				.26								
13												
14				.04								
15				.02								
16				.90								
17				.02								
18												
19												
20			.02									
21												
22												
23												
24				.02								
25												
26												
27												
28					1.56							
29												
30												
31												
TOTAL	0	2.18	.04	2.87	4.33	3.26	0	0	0	0	0	0

SEASON TOTAL 12.68

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 8
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Topanga Canyon Patrol Station SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.30									
4			.10									
5					.25							
6												
7												
8												
9												
10												
11												
12		.36									.05	
13			.27									
14												
15												
16	.03											
17												
18												
19							.10					
20								.06				
21												
22			1.80									
23			.90									
24			2.58									
25			1.50									
26	.30		.32									
27			2.13									
28			.80							T		
29												
30												
31												
TOTAL	.33	.36	10.70	0	.25	0	.10	.06	0	T	.05	0

SEASON TOTAL 11.85

REMARKS:

STATION NO. 15B
VAN NUYS

LOCATION
Los Angeles DWP Service Yard
Aetna and Vesper Streets
Van Nuys

LATITUDE
34° 10' 48"

LONGITUDE
118° 27' 03"

ELEVATION
695'

LENGTH OF RECORD
non-recording rain gage
10/1/25 to date

STATION NO. 15B
VAN NUYS

SEASON	RAINFALL		
1925-26	17.26	1955-56	14.29
1926-27	19.32	1956-57	11.94
1927-28	9.60	1957-58	23.68
1928-29	10.37	1958-59	8.95
1929-30	11.16	1959-60	8.63
1930-31	15.45	1960-61	6.26 B
1931-32	19.11	1961-62	22.44
1932-33	13.36	1962-63	9.45
1933-34	12.70	1963-64	7.96
1934-35	18.14	1964-65	13.38*
1935-36	9.86	1965-66	20.72
1936-37	21.96	1966-67	19.05
1937-38	23.91	1967-68	13.46**
1938-39	20.62	1968-69	28.16
1939-40	15.83	1969-70	10.72
1940-41	39.77	1970-71	14.97 A
1941-42	13.18	1971-72	7.15
1942-43	24.21		
1943-44	23.39		
1944-45	11.31		
1945-46	12.37		
1946-47	14.16		
1947-48	7.81		
1948-49	7.17		
1949-50	8.69		
1950-51	7.07		
1951-52	28.56		
1952-53	11.14		
1953-54	12.37		
1954-55	13.48		

A = STATION MOVED BACK TO ORIGINAL LOCATION MARCH 6, 1970
B = STATION MOVED TO B LOCATION JANUARY 1, 1961
* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 15A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Van Nuys SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.20									
2			.17	.15								
3												
4												
5												
6		.20						.07				.02
7												
8												
9			.23									
10												
11												
12				.45								
13				.25		.18						
14			.04				.67					
15												
16					T							
17			.27		.55							
18			.39									
19			2.25									
20			T									
21	.02		1.96									
22												
23												
24												
25												
26		.34										
27												
28		.40						.11				
29		5.55										
30		.50										
31												
TOTAL	.02	6.99	5.51	.85	.55	.18	.67	.18	0	0	0	.02

SEASON TOTAL 14.97

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 15A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Van Nuys SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						T						
2						1.20						
3												
4						T						
5						1.35						
6		1.15										
7		.72										
8		T										
9			.02	.10	1.17							
10		.06		.50	1.52							
11												
12				.07								
13												
14				.10								
15				.06								
16				.90								
17				.05								
18												
19												
20												
21												
22												
23												
24				.05								
25												
26												
27												
28					1.60							
29												
30												
31						.10						
TOTAL	0	1.93	.02	1.83	4.29	2.65	0	0	0	0	0	0

SEASON TOTAL 10.72

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 15A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Van Nuys SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.16									
4			.05									
5					.13							
6												
7									T			
8												
9												
10												
11							T					
12											.10	
13			.14									
14												
15												
16												
17												
18											T	
19							.02					
20								.05				
21									T			
22			.98						T			
23			.07									
24	.18		1.55									
25			.69									
26												
27			1.78									
28			.88									
29												
30												
31												
TOTAL	.18	.27	6.30	0	.13	0	.02	.05	T	0	.10	0

SEASON TOTAL 7.15

REMARKS:

STATION NO. 32C-E
NEWHALL

LOCATION
L.A. Co. F & FW Fire Station
24869 San Fernando Road
Newhall

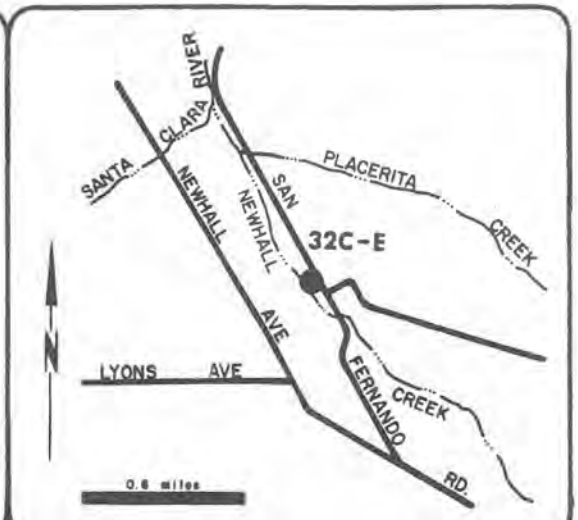
LATITUDE
34° 23' 07"

LONGITUDE
118° 31' 54"

ELEVATION
1243'

LENGTH OF RECORD
non-recording rain gage
10 24 27 to date
recording rain gage
6/4/68 to 2/4/71

ADDITIONAL INSTRUMENTATION
Evaporation pan
Max-Min Thermometer
Anemometer
Fisher & Porter
recording rain gage
2/4/71 to date



STATION NO. 32C-E
NEWHALL

SEASON	RAINFALL		SEASON	RAINFALL
1927-28	10.45		1958-59	9.73
1928-29	14.08		1959-60	8.78
1929-30	10.60		1960-61	7.05
1930-31	18.44**		1961-62	27.44
1931-32	22.27		1962-63	10.47
1932-33	16.03		1963-64	8.68
1933-34	13.99		1964-65	14.46
1934-35	19.97		1965-66	24.59
1935-36	10.75		1966-67	25.50
1936-37	25.67		1967-68	14.54
1937-38	25.68		1968-69	32.09
1938-39	20.66		1969-70	12.16
1939-40	12.41		1970-71	16.99
1940-41	44.65		1971-72	9.98
1941-42	12.88			
1942-43	30.33			
1943-44	27.27			
1944-45	12.43	B		
1945-46	15.92	C		
1946-47	16.46			
1947-48	7.57			
1948-49	9.50			
1949-50	9.32			
1950-51	6.97			
1951-52	32.56			
1952-53	11.06			
1953-54	14.55			
1954-55	14.34			
1955-56	16.88			
1956-57	13.42			
1957-58	31.48			

B = STATION MOVED TO B LOCATION OCTOBER 1, 1944
C = STATION MOVED TO C LOCATION MAY 1, 1946
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 32C-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Newhall-Soledad Div. Hdqrs. SEASON 1970-71

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03									
2			.15	.15*								
3								.01				
4	.11							.02				
5												
6		.06										.40
7								.06				
8												
9			.27									
10												
11												
12												
13				.68		.41						
14			.05	.24			.70					
15												
16			.20		.06							
17			.30		1.07							
18			.23				.10					
19			2.57									
20			.04									
21			1.57									
22												
23												
24												
25												
26		.27										
27		.01						.01				
28		.38						.03				
29		6.62										
30		.21										
31												
TOTAL	.11	7.55	5.41	1.08**	1.13	.41	.80	.13	0	0	0	.40

SEASON TOTAL 16.99 **

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 32C-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Newhall-Soledad Div. Hdqrs. SEASON 1969-70

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02			1.40						
2						.96						
3												
4						.31						
5						1.02						
6		1.44										
7		.51										
8		.03										
9		T			.56							
10				.33	2.54							
11				.19	.50							
12				.04								
13												
14				.01								
15				.03								
16				.20								
17												
18												
19												
20			.01									
21												
22												
23												
24												
25												
26												
27			.01									
28					2.05							
29												
30												
31												
TOTAL	0	1.98	.04	.80	5.65	3.69	0	0	0	0	0	0

SEASON TOTAL 12.16

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 32C-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Newhall-Soledad Div. Hdqrs. SEASON 1971-72

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.05									
4			.01									
5												
6					.08							
7												
8												
9												
10												
11							.01					
12		.32	.05								.05	
13												
14												
15												
16												
17												
18												
19							.01*	T				
20								.04				
21												
22			1.07						.04			
23			.32									
24	.07		2.90									
25	.35		.66									
26			.50									
27			2.65									
28			.80									
29												
30											T	
31												
TOTAL	.42	.32	9.01	0	.08	0	.02*	.04	.04	0	.05	0

SEASON TOTAL 9.98*

REMARKS:

STATION NO. 33A-E
PACOIMA DAM

LOCATION
Mouth of Pacoima Canyon below Pacoima Dam

LATITUDE
34° 19' 48"

LONGITUDE
118° 23' 59"

ELEVATION
1500'

LENGTH OF RECORD
non-recording rain gage
1 1 17 to date
recording rain gage
9 22 '30 to date

ADDITIONAL INSTRUMENTATION
Max-Min Thermometer
Hygrothermograph
Evaporation pan

STATION NO. 33A-E
PACOIMA DAM

SEASON	RAINFALL		SEASON	RAINFALL
1915-16	24.59		1945-46	16.86
1916-17	22.24		1946-47	20.92
1917-18	20.68		1947-48	9.46
1918-19	14.95		1948-49	12.01
1919-20	15.63		1949-50	14.00
1920-21	23.00		1950-51	11.82
1921-22	29.31		1951-52	36.47
1922-23	18.21		1952-53	13.15
1923-24	9.52		1953-54	15.87
1924-25	11.99		1954-55	14.34
1925-26	21.92		1955-56	17.76
1926-27	22.78		1956-57	15.66
1927-28	12.54	B	1957-58	30.56
1928-29	12.99	C	1958-59	9.40
1929-30	15.49		1959-60	9.64
1930-31	18.37		1960-61	8.74
1931-32	24.16		1961-62	24.96
1932-33	15.48		1962-63	13.11
1933-34	16.42		1963-64	12.63
1934-35	25.17		1964-65	18.22
1935-36	17.79		1965-66	24.01
1936-37	29.40		1966-67	31.99
1937-38	32.65	A	1967-68	15.91
1938-39	21.98		1968-69	31.77
1939-40	18.13		1969-70	14.59
1940-41	40.41		1970-71	19.55
1941-42	14.49		1971-72	10.09
1942-43	30.27			
1943-44	27.98			
1944-45	18.18			

A = STATION MOVED BACK TO ORIGINAL LOCATION SEPTEMBER 28, 1938
B = STATION MOVED TO B LOCATION OCTOBER 1, 1927
C = STATION MOVED TO C LOCATION DECEMBER 1, 1928

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 33A-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pacoima Dam SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.60	.10				.01				
3												
4	.03							.12				
5		.10										
6		.62						.76				.15
7								.13				
8												
9			.33						.02			
10									.03			
11				T				T	T			
12				.99		T						
13				.23		1.06						
14			.32	.21			.43					
15												
16			.44		.10		.04					
17			.23		.84		.25					
18			.16									
19			3.03		T							
20			.02									
21	T		1.63							.02		
22												
23												
24												
25		.05					.15					
26		.50					.01					
27								.13				
28		.50						.16				
29		4.72										
30		.26						.07				
31												
TOTAL	.03	6.75	6.76	1.53	.94	1.06	.88	1.38	.05	.02	0	.15

SEASON TOTAL 19.55

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 33A-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pacoima Dam SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03			1.94						
2						2.57						
3												
4						.21						
5						.99						
6		1.47										
7		.78										
8		T	T						.01			
9		T	T	.04	.98							
10				.75	1.70							
11				.23	.35							
12				.10								
13									.11			
14				.12								
15		T		.11								
16				.72								
17							T					
18												
19												
20												
21												
22			.08									
23												
24												
25												
26								.02				
27							T					
28						1.17						
29												
30						.10						
31						.03						
TOTAL	0	2.25	.11	2.05	4.20	5.84	T	.02	.12	0	0	0

SEASON TOTAL 14.59

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 33A-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pacoima Dam SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.01									
3			.10									
4			T									T
5					.17							
6					.04							T
7												.03
8			T						.03			.01
9									T			
10									T			
11		T					T					
12		.68					T					
13			.14								.05	
14		.03									.02	
15	.04											
16	T											
17	T											
18							.06					
19							.04	T				
20							.04	.08	T	T		
21			T									
22			1.14						.03			
23			.15						T			
24	.47		2.13									
25			1.51								.04	
26			.78									
27	T		1.28	T								
28	T		1.00									
29										T		
30												
31												
TOTAL	.51	.71	8.24	T	.21	0	.14	.08	.06	T	.11	.03

SEASON TOTAL 10.09

REMARKS:

STATION NO. 53D
COLBY'S

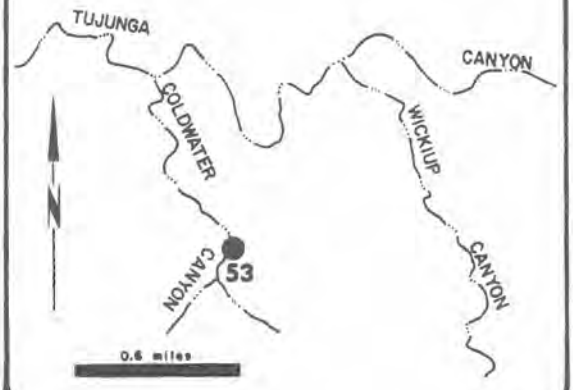
LOCATION
Residence: Coldwater Canyon one mile S. of Big Tujunga Cn. San Gabriel Mountains

LATITUDE
34° 18' 05"

LONGITUDE
118° 06' 39"

ELEVATION
3620'

LENGTH OF RECORD
non-recording rain gage
11/1/1897 to date
recording rain gage
4/19/26 to date



STATION NO. 53D
COLBY'S

SEASON	RAINFALL				
1897-98	9.50**	1925-26	53.63**	1953-54	22.80
1898-99	8.13**	1926-27	32.16**	1954-55	18.65
1899-00	14.14**	1927-28	17.22**B	1955-56	18.72
1900-01	32.85**	1928-29	17.60	1956-57	19.30
1901-02	20.79**	1929-30	19.03**	1957-58	46.96
1902-03	40.80**	1930-31	18.36	1958-59	14.89
1903-04	19.08**	1931-32	30.78	1959-60	11.68
1904-05	41.09**	1932-33	16.72	1960-61	11.24
1905-06	43.12**	1933-34	20.71	1961-62	32.86
1906-07	48.69**	1934-35	36.51	1962-63	16.79
1907-08	32.09**	1935-36	18.46	1963-64	15.11
1908-09	31.59**	1936-37	40.64	1964-65	20.32
1909-10	29.51**	1937-38	44.31 A	1965-66	38.97
1910-11	49.29**	1938-39	27.98	1966-67	43.86
1911-12	28.43**	1939-40	18.85	1967-68	21.70
1912-13	27.01**	1940-41	55.61	1968-69	66.56
1913-14	57.60**	1941-42	20.08	1969-70	16.89
1914-15	34.10**	1942-43	49.73	1970-71	22.58
1915-16	43.36**	1943-44	41.42	1971-72	13.30
1916-17	27.24**	1944-45	28.23		
1917-18	37.64**	1945-46	26.83		
1918-19	20.90**	1946-47	27.91		
1919-20	36.95**	1947-48	14.23		
1920-21	37.10**	1948-49	13.45		
1921-22	61.75**	1949-50	18.70		
1922-23	33.70**	1950-51	10.14 C		
1923-24	19.00**	1951-52	46.17		
1924-25	25.72**	1952-53	12.94 D		

A = STATION MOVED BACK TO ORIGINAL LOCATION OCTOBER 1, 1937
B = STATION MOVED TO B LOCATION JANUARY 1, 1928
C = STATION MOVED TO C LOCATION FEBRUARY 7, 1951
D = STATION MOVED TO D LOCATION JUNE 1, 1952
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 53D
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Colby's SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.52	.22								
3								.03				
4								.07				
5												
6								.06				
7								.03				
8												
9	.05											
10												
11									.15			
				.83								
				.21		1.13						
			.38	.45			.22					
			.13		.15							
			.80		1.43		.24			T		
			.06				.02					
			1.56		.02		.01					
20			.02									
21			2.06									
22			.14									
23												
24												
25		.36										
26		9.35										
27		1.00										
28												
TOTAL	.05	11.32	6.28	1.31	1.51	1.13	.49	.34	.15	T	0	0

SEASON TOTAL 22.58

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 53D
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Colby's SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			T			2.77						
2						.96						
3												
4						.32						
5						.92						
6		1.33										
7		1.24										
8												
9			.04	.07	1.10							
10		.08		.71	2.34							
11				.14	.52							
12				.09								
13												
14				.2.	.3							
15				.07								
16				.53								
17				.02								
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28					3.28		.08					
29												
30												
31						.12						
TOTAL	0	2.65	.04	1.73	7.27	5.12	.08	0	0	0	0	0

SEASON TOTAL 16.89

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

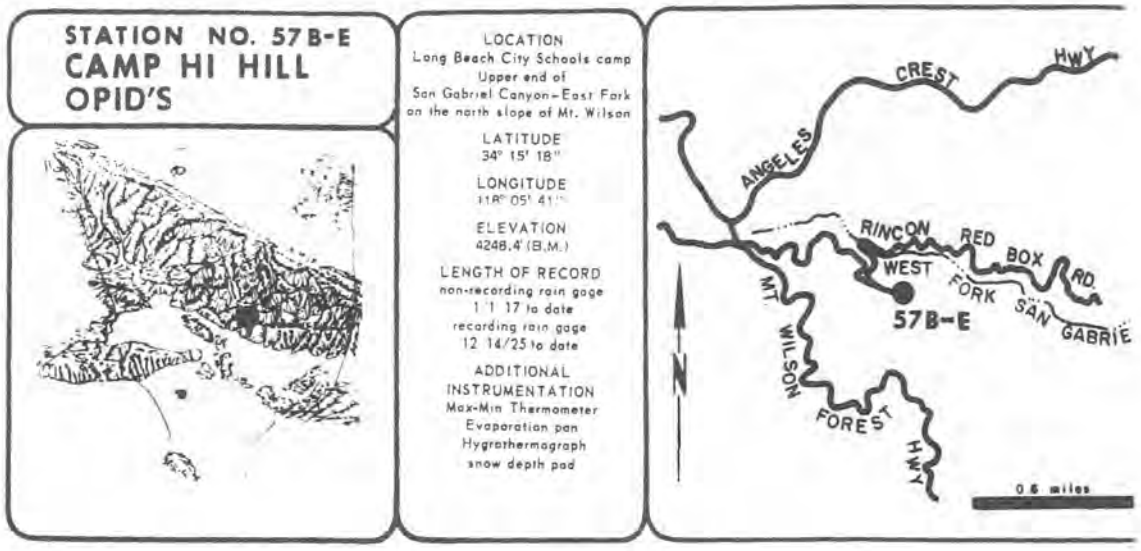
Station No. 53D
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Colby's SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.03									
3			16									.01
4			02									
5					.27				.12			.02
6											T	
7												
8												
9												
10												
11												
12		.84					.05				.6	
13			.20				T					
14												
15												
16	.14											
17												
18							.34					
								.22				
20								.03				
21												
			1.66									
24	.48		3.96									
			1.03									
			1.50									
			1.35								.20	
28			.38								.02	
29												
30											T	
31												
TOTAL	.62	.84	10.29	0	.27	0	.39	.25	.12	-	.48	.03

SEASON TOTAL 13.30

REMARKS:



STATION NO. 57B-E
CAMP HI-HILL (OPID'S)

SEASON	RAINFALL	SEASON	RAINFALL
1916-17	INC.	1946-47	41.82
1917-18	42.55	1947-48	19.52
1918-19	26.25**	1948-49	23.02
1919-20	37.41**	1949-50	30.22
1920-21	35.47**	1950-51	16.31
1921-22	89.33**	1951-52	66.59
1922-23	32.05	1952-53	19.94
1923-24	20.34	1953-54	33.81
1923-25	28.85	1954-55	27.59
1925-26	49.46**	1955-56	29.05
1926-27	46.48**	1956-57	28.58
1927-28	24.83**	1957-58	66.35
1928-29	29.51	1958-59	21.31
1929-30	28.56	1959-60	16.90
1930-31	31.83	1960-61	13.95
1931-32	47.05	1961-62	47.03
1932-33	30.18	1962-63	23.21**
1933-34	34.88	1963-64	22.62
1934-35	53.07 B	1964-65	32.48
1935-36	32.54	1965-66	59.17
1936-37	57.66	1966-67	65.13
1937-38	66.65	1967-68	30.88
1938-39	36.87	1968-69	89.07
1939-40	27.59	1969-70	24.58
1940-41	78.38	1970-71	32.61
1941-42	24.54	1971-72	17.96
1942-43	68.65		
1943-44	50.84		
1944-45	34.66		
1945-46	38.43		

B = STATION MOVED TO B LOCATION SEPTEMBER 25, 1935
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 57B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Camp Hi Hill (Opid's) SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.82					.04				
3	.23							.11				
4								.10				
5		.11						T			.02	
6		.54						.36				.02
7								.20				
8												
9			67									
10								.15	T			
11												
12				1.12								
13				.31		1.78						
14			.57	.03			.26					
15							T					
16			1									
17			1.05		2.06		.50			T		
18			.25		T		.06					
19			2.90		T							
20			19				T					
21			4.40				.01	.03				
22												
23					T							
24							T					
25		.12										
26		.52	.09									
27			.04					.5				
28		.81						.18				
29		9.94						.02				
		1.17						.03				
31												
TOTAL	.23	13.26	11.35	1.69	2.17	1.78	.83	1.27	T	T	.01	.02

SEASON TOTAL 32.41

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 57B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Camp Hi Hill (Opid's) SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						3.22						
2						1.47						
3												
4												
5						1.40						
6		2.08										
7		1.58										
8		.84	T									
9		.84	.13	.06	.88	T				T		
10				1.54	3.44	T						
11				.26	1.03							
				.16	T				T		.18	
					.81				.18			
				.85	.01							
				.87								
	.81			.72			T					
							T					
			T									
30												
31							T					
32												
33												
34				T								
35				T								
36							T					
37							.22					
38							T					
39												
40						.10						
TOTAL	.01	3.74	.05	2.86	9.93	7.49	.22	0	.10	T	.18	0

SEASON TOTAL 24.58

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 57B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Camp Hi Hill (Opid's) SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.05									T
3			26									T
4												.05
5					.32				.10			
					.81		T					.01
			.01								T	
9												
10												
11							.42					
			.32									
							.84					
	.81											
	.12											
	.13											
	T						.38	.81				
							.03	.34				
30								.07	T			
31												
32			3.17						T			
33			.10									
34	.52		4.75									
35	.46		1.91	T								
36			.26	T		T					.37	
37			1.96								.19	
38	.03		.62									
39												
											.82	
TOTAL	1.27	1.23	13.41	T	.33	T	.39	.42	.10	0	.75	.06

SEASON TOTAL 17.96

REMARKS:

STATION NO. 60A
HOEGEE'S

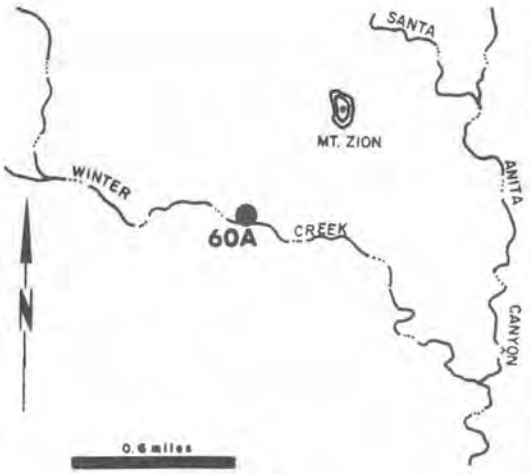
LOCATION
campground, Winter Creek
1.25 miles upstream from
Santa Anita Canyon

LATITUDE
34° 12' 32"

LONGITUDE
118° 02' 02"

ELEVATION
2412'

LENGTH OF RECORD
non-recording rain gage
2 1 '25 to date
recording rain gage
11 11 '26 to date



STATION NO. 60A
HOEGEE'S

SEASON	RAINFALL		SEASON	RAINFALL
1924-25	INC.		1952-53	23.61
1925-26	62.45		1953-54	32.18
1926-27	55.71		1954-55	25.15
1927-28	24.52		1955-56	31.70
1928-29	32.39		1956-57	27.63
1929-30	33.91		1957-58	57.87
1930-31	32.42		1958-59	17.76
1931-32	50.19		1959-60	17.20
1932-33	33.45		1960-61	13.74
1933-34	44.67		1961-62	46.73
1934-35	55.58		1962-63	23.01
1935-36	38.15	B	1963-64	22.10
1936-37	59.29		1964-65	33.52
1937-38	67.16	A	1965-66	52.05
1938-39	38.67		1966-67	63.39
1939-40	29.65	**C	1967-68	22.87
1940-41	69.91		1968-69	INC.
1941-42	21.99		1969-70	22.57
1942-43	75.87		1970-71	30.77
1943-44	43.68		1971-72	14.80
1944-45	35.85			
1945-46	33.00			
1946-47	38.35			
1947-48	19.68			
1948-49	23.73			
1949-50	32.39			
1950-51	17.34			
1951-52	59.20			

A = STATION MOVED BACK TO ORIGINAL LOCATION OCTOBER 13, 1937
B = STATION MOVED TO B LOCATION DECEMBER 10, 1935
C = STATION MOVED TO C LOCATION OCTOBER 13, 1939, AND AGAIN BACK TO ORIGINAL LOCATION SEPTEMBER 27, 1940
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 60A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Hoegee's SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.98	.24								
3	T							.10				
4								.10				
5								.02				
6		.96						.88				
7		.01						.36				
8		.03										
9			.59						T			
10									.19			
11												
12				1.46								
13				.30		2.24						
14							.23					
15			.14									
16			.37		.09							
17					1.79		.78			T		
18			.34				.01					
19			2.70									
20												
21			3.68									
22			.07									
23												
24												
25		.03										
26		.93										
27								.03				
28		.57						.25				
29		2.69										
30		.41						.10				
31								.01				
TOTAL	T	12.63	8.87	2.00	1.88	2.24	1.02	1.94	.19	T	0	0

SEASON TOTAL 30.77

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 60A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Hoegee's SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						2.80						
2						2.03						
3												
4												
5						1.87						
6		1.73										
7		1.28										
8												
9			.12		.32							
10		.25*		1.04	2.82							
11				.18	1.21				.06			
12				.34					.59			
13												
14				.17								
15				.17								
16		.25*		1.05								
17												
18												
19												
20												
21			.01									
22												
23							.01					
24							.07					
25												
26							.04	.09				
27							.02	.04				
28					3.75		.07					
29						.03						
30								T				
31						.56						
TOTAL	0	3.11**	.13	2.95	8.10	7.29	.21	.13	.65	0	0	0

SEASON TOTAL 22.57**

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

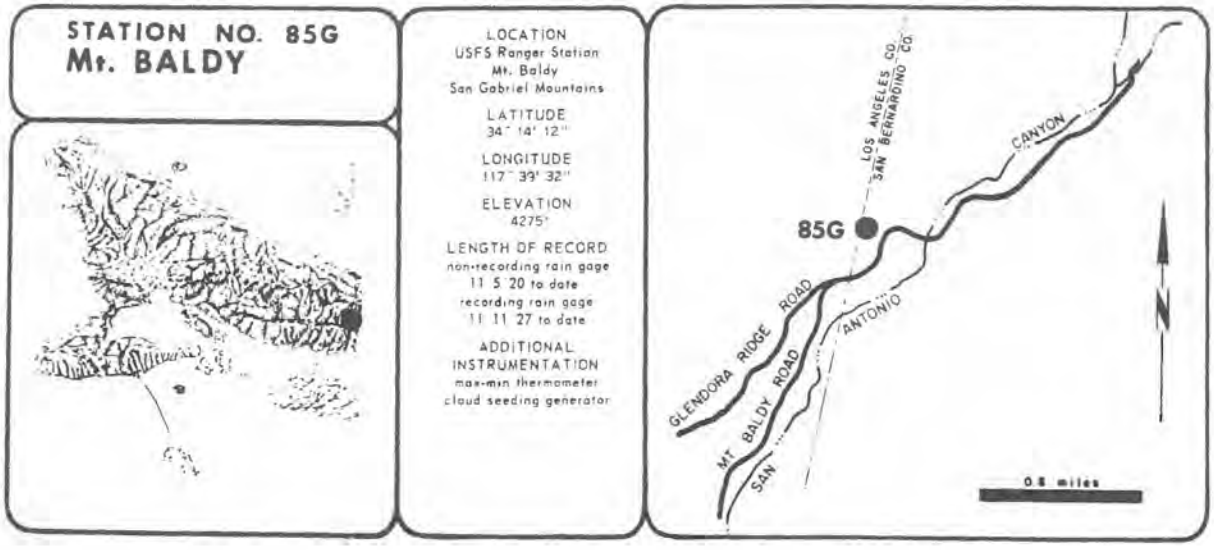
Station No. 60A
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Hoegee's SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.27									.05
4			.04									.19
5									.05			
6												
7												
8					.22							
9									.06			
10												
11												
12							.01				.26	
13											.09	
14		.91	.25									
15	.05											
16												
17	.39											
18	.05						.27	.04				
19							.14	.16				
20								.13				
21												
22			2.20						.06			
23												
24			4.80									
25	.17		.74									
26			.31									
27			.58								.19	
28	.07		10.60								.06	
29						.02						
30												
31												
TOTAL	.73	.91	11.16	0	.22	.02	.42	.33	.17	0	.60	.24

SEASON TOTAL 14.80

REMARKS:



STATION NO. 85G
MT. BALDY GUARD STATION

SEASON	RAINFALL		SEASON	RAINFALL	
1920-21	34.01		1947-48	19.30	
1921-22	66.57		1948-49	20.38	
1922-23	30.85		1949-50	22.34	
1923-24	19.82		1950-51	11.73	
1924-25	21.99		1951-52	50.26	
1925-26	38.29**		1952-53	18.01	
1926-27	39.42**		1953-54	30.93	
1927-28	21.41**B		1954-55	21.06	F
1928-29	25.89		1955-56	20.32	
1929-30	27.63		1956-57	20.99	
1930-31	25.44**		1957-58	57.31	G
1931-32	40.68		1958-59	20.04	
1932-33	20.41**		1959-60	17.40	
1933-34	23.35		1960-61	12.89	
1934-35	43.27		1961-62	37.28	
1935-36	27.99 C		1962-63	21.88	
1936-37	52.67 D		1963-64	23.25	
1937-38	57.35		1964-65	25.29	
1938-39	34.47		1965-66	53.10	
1939-40	24.20		1966-67	56.06	
1940-41	57.32		1967-68	24.74	
1941-42	23.05		1968-69	88.80	
1942-43	57.22		1969-70	22.83	
1943-44	43.26		1970-71	24.73	
1944-45	36.67**		1971-72	19.97	
1945-46	34.75**				
1946-47	35.69**				

B = STATION MOVED TO B LOCATION DECEMBER 1, 1927
C = STATION MOVED TO C LOCATION FEBRUARY 23, 1936
D = STATION MOVED TO D LOCATION JANUARY 26, 1937
F = STATION MOVED TO F LOCATION NOVEMBER 19, 1954
G = STATION MOVED TO G LOCATION AUGUST 7, 1958
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 85G
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Mt. Baldy Guard Station SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.09	.27								
3	.02		.42									
4								.10				
5								.05				
6												
7								.99				
8								.11				
9			.25									
10									.02			
11								.04	.03			
12				.05								
13				.57		1.08						
14			.82			.5	.03					
15							.26					
16							.3					
17			.78		1.65							
18			.13		.17		.59			.42		
19			1.13				.01					
20												
21			2.00					.01				
22			1.19					.12				
23					.04							
24												
							.15					
							.22					
		.66	.03					.57				
								.28				
		4.35										
30		4.25										
31								.17				
TOTAL	.02	9.63	7.14	.89	1.86	1.13	1.33	2.26	.05	.42	0	0

SEASON TOTAL 24.73

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 85G
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Mt. Baldy Guard Station SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03			5.51						
2						2.69						
3						.11						
4												
5						2.00						
6												
7		2.50										
8												
9			.02							.10	T	
10		.24		.87	1.54							
11		.10		.05	3.29	.08						
12				.31								
13				.04					.09			
14									.01			
15		T		.06								
16		.31		.24								
17				.55								
18							.07					
19												
20												
21												
22							.08					
23												
24												
25												
26												
27							.08					
28			T		.34		.40					
29												
30		.20				T						
31						.02						
TOTAL	0	3.35	.05	2.12	5.17	11.31	.63	0	.10	.10	T	0

SEASON TOTAL 22.83

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 85G
Foreign Station No.
Quad-Index No.

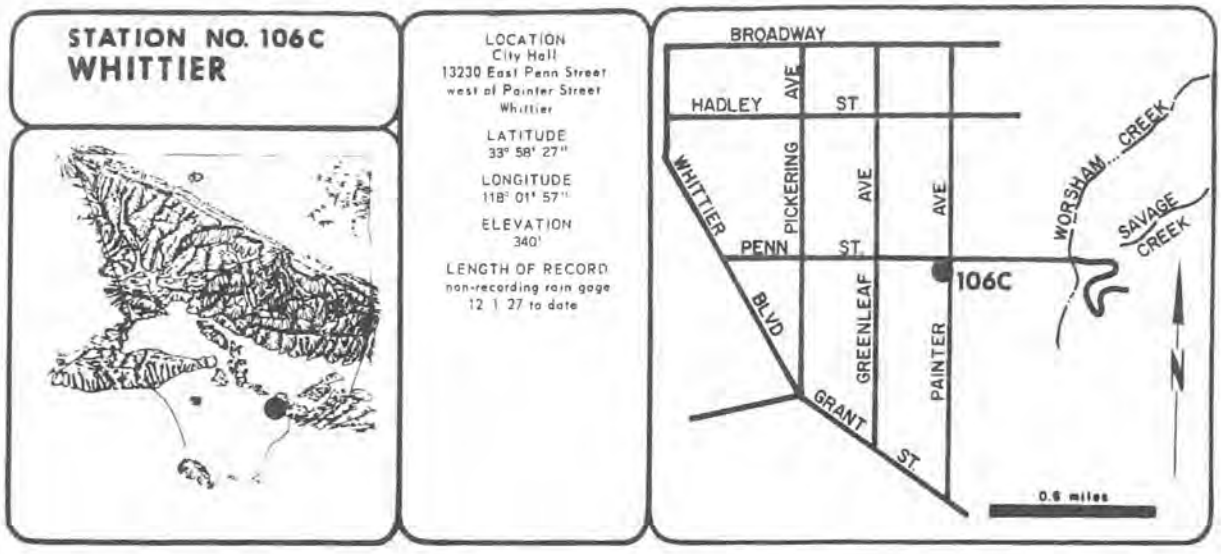
SEASONAL RAINFALL AT Mt. Baldy Guard Station SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.11									
3			11									
4												
5					.25							
6									.57			
7			.18						.10			
8												
9												
10												
11												
		.93					.82					
							.83				.03	
	.13	.04										
	.03											
	.05						T					
19	.01						.75					
20								.34				
21												
22			1.76						.02			
23			.73						T			
24			3.01									
25	.66		4.51									
26	.02		2.50									
27			.44								.63	
28			1.19									
29	.25		.19							.01		
30												
31												
TOTAL	1.15	.97	15.04	0	.25	0	.80	.34	.69	.01	.72	0

SEASON TOTAL 19.97

REMARKS:



STATION NO. 106C
WHITTIER

SEASON	RAINFALL		SEASON	RAINFALL	
1927-28	13.32		1955-56	14.17	
1928-29	11.73		1956-57	9.93	
1929-30	11.32		1957-58	22.17	
1930-31	12.82		1958-59	6.54	
1931-32	15.39		1959-60	9.20	D
1932-33	9.91		1960-61	5.03	
1933-34	12.95		1961-62	22.11	
1934-35	19.23		1962-63	11.54	
1935-36	10.49		1963-64	7.54	
1936-37	21.40		1964-65	13.49	DC
1937-38	21.39		1965-66	16.42	
1938-39	16.73		1966-67	18.66	
1939-40	12.79		1967-68	11.78	
1940-41	32.85		1968-69	25.37	
1941-42	13.08		1969-70	8.61	
1942-43	19.05		1970-71	11.54	
1943-44	18.55		1971-72	7.01	
1944-45	10.92				
1945-46	11.66				
1946-47	13.72				
1947-48	8.48				
1948-49	8.53				
1949-50	10.32				
1950-51	8.36				
1951-52	25.38				
1952-53	10.20**				
1953-54	13.01	B			
1954-55	11.47	C			

B = STATION MOVED TO B LOCATION SEPTEMBER 1, 1954
C = STATION MOVED TO C LOCATION MAY 5, 1955
D = STATION MOVED TO D LOCATION SEPTEMBER 30, 1960
DC = STATION MOVED BACK TO LOCATION C MARCH 16, 1965
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 106C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Whittier City Hall SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.32	.23								
3	.03											
4												
5								T				
6		.08						.13				T
7								.03				
8								.06				
9			.26									
10												
11												
12				.22								
13				.10		.42						
14			.09				.45					
15												
16			.33		.05							
17			.25		1.12		T					
18			.04		.02		T					
19			1.52		.09							
20			.02									
21			1.33									
22			T									
23												
24												
25												
26		.47										
27								.03				
28								.13				
29		3.42										
30		.34										
31												
TOTAL	.03	4.31	4.16	.55	1.24	.42	.45	.38	0	0	0	T

SEASON TOTAL 11.54

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 106C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Whittier City Hall SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						.79						
2						.56						
3												
4						.01						
5						1.02						
6		.68										
7		.76										
8												
9		T		.03	.08							
10		.02		.29	1.45							
11		.01		.16	.45							
12				.14								
13												
14				.17								
15		T		.07								
16				.64								
17												
18												
19												
20												
21												
22			.07									
23												
24												
25												
26												
27							T					
28					1.12							
29												
30												
31						.09						
TOTAL	0	1.47	.07	1.50	3.10	2.47	T	0	0	0	0	0

SEASON TOTAL 8.61

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 106C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Whittier City Hall SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.38									.03
3												.31
4			08									.01
5					09							
6												T
7									08			
8									08			
9									.22			
10												
11												
12		.25									.58	
13			.87								T	
14												
15												
16												
17												
18							.01					
19							.15					
20								.02				
21									.01			
22			.9						T			
23			T									
24			1.88									
25			.38									
26			.25									
27			1.38									
28			.34									
29												
30		.01										
31												
TOTAL	2	.27	5.35	2	.09	0	.16	.02	.17	0	.58	.35

SEASON TOTAL 9.01

REMARKS:

STATION NO. 130B
SANDBERG'S

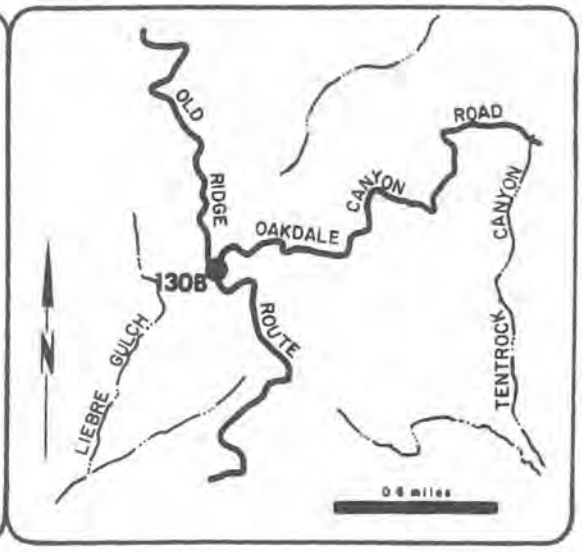
LOCATION
L.A. Co. F & FW Patrol Station
47376 Old Ridge Route
Lake Hughes

LATITUDE
34° 44' 37"

LONGITUDE
118° 42' 43

ELEVATION
4025'

LENGTH OF RECORD
non-recording rain gage
12 1 27 to date
recording rain gage
1 14 31 to 10 19 34



STATION NO. 130B
SANDBERG - QUAIL LAKE PATROL STATION

SEASON	RAINFALL		
1927-28	11.02**	1959-60	7.07
1928-29	11.54	1960-61	10.81
1929-30	13.13	1961-62	25.07
1930-31	15.61	1962-63	10.67
1931-32	20.54	1963-64	11.10
1932-33	10.88**	1964-65	13.20
1933-34	10.41	1965-66	18.79
1934-35	22.32	1966-67	24.64
1935-36	11.26	1967-68	15.54
1936-37	22.29	1968-69	24.71
1937-38	24.38	1969-70	11.96
1938-39	20.96 B	1970-71	15.60
1939-40	12.08	1971-72	7.58
1940-41	40.50		
1941-42	15.05		
1942-43	20.89		
1943-44	24.96**		
1944-45	11.54		
1945-46	14.26		
1946-47	14.36		
1947-48	7.18		
1948-49	6.50**		
1949-50	8.50		
1950-51	5.14		
1951-52	21.77		
1952-53	8.75		
1953-54	11.86		
1954-55	13.40		
1955-56	10.82		
1956-57	12.18		
1957-58	26.13		
1958-59	10.31		

B = STATION MOVED TO B LOCATION DECEMBER 1, 1938
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 130B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Sandberg - Quail Lake Patrol Station SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3								.10				
4								.25				
5												
6								.10			.12	
7								.14				
8												
9												
10			.11									
11												
12				.11								
13						.20						
14			.03				.25					
15												
16					.27							
17			.03		1.38		.22					
18			.35		.09		.21					
19			1.60		.10							
20			.13		.08							
21			1.40				.05					
22												
23												
24												
25		.11					10					
26		.43										
27		.06										
28		1.55						15				
29		5.61						.06				
30		.24										
31												
TOTAL		8.00	.75	.11	1.86	.20	.83	.83	0	0	.12	0

SEASON TOTAL 15.60

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 130B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Sandberg - Quail Lake Patrol Station SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						1.88						
2						.10						
3												
4						.33						
5						.59						
6												
7		.19										
8		.08	T									
9			.01		.3-							
10				.80	2.37	.11						
11					.53							
12				.09								
13					.01							
14					.03		.02					
15												
16				.10								
17					.02		T					
18												
19												
20												
21												
22			T				T					
23												
24												
25												
26			T									
27			.12				.14					
28					2.30		.29					
29												
30		01										
31												
TOTAL	0	1.59	.13	1.03	5.65	3.11	.45	0	0	0	0	0

SEASON TOTAL 11.96

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 130B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Sandberg - Quail Lake Patrol Station SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3												
4			.02									
5			.06		.12		.01		.05			.02
6												
7			.08									
8												
9												
10												
11												
12		.11										
13			.22				.03					
14												
15			.02									
16	.10											
17	.10											
18												
19												
20								.13				
21												
22			1.11									
23			.55									
24			2.00									
25			1.61									
26			.01									
27		.05										
28		.<	1.00									
29		.10			.02							
30												
31												
TOTAL	.20	.32	6.68	0	.14	0	.--	.1	.05	0	0	.02

SEASON TOTAL 7.--

REMARKS:

STATION NO. 185
GLENDORA

LOCATION
Residence:
460 East Bennett Avenue
Glendora

LATITUDE
34° 08' 23"

LONGITUDE
117° 51' 33"

ELEVATION
822'

LENGTH OF RECORD
non-recording rain gage
10 1 1880 to date

STATION NO. 185
GLENDORA

SEASON	RAINFALL	SEASON	RAINFALL	SEASON	RAINFALL
1880-81	16.96	1913-14	36.78	1946-47	18.28
1881-82	16.07	1914-15	28.76	1947-48	12.30**
1882-83	18.52	1915-16	33.59	1948-49	14.14
1883-84	62.76	1916-17	21.61	1949-50	16.19
1884-85	14.79	1917-18	19.88	1950-51	10.95
1885-86	28.95	1918-19	14.50**	1951-52	33.42
1886-87	19.26	1919-20	21.67**	1952-53	13.21
1887-88	35.10	1920-21	23.47	1953-54	19.46
1888-89	32.85	1921-22	26.59	1954-55	15.28
1889-90	49.89	1922-23	19.08	1955-56	20.04
1890-91	26.69	1923-24	11.66**	1956-57	16.23
1891-92	20.71	1924-25	13.90	1957-58	34.99
1892-93	39.20	1925-26	25.37	1958-59	10.23
1893-94	11.26	1926-27	25.43	1959-60	11.49
1894-95	32.92	1927-28	16.05	1960-61	7.68**
1895-96	13.03	1928-29	18.18	1961-62	23.10
1896-97	22.57	1929-30	17.41**	1962-63	14.09
1897-98	16.60	1930-31	15.71**	1963-64	12.16
1898-99	7.28	1931-32	24.05**	1964-65	17.69
1899-00	12.19	1932-33	12.50**	1965-66	20.97
1900-01	23.73	1933-34	26.80	1966-67	33.55
1901-02	14.06	1934-35	27.97**	1967-68	15.87
1902-03	27.27	1935-36	18.52	1968-69	39.26
1903-04	12.59	1936-37	34.23	1969-70	14.93
1904-05	25.97	1937-38	31.69	1970-71	14.59
1905-06	27.03	1938-39	20.81	1971-72	9.85
1906-07	33.07	1939-40	17.03		
1907-08	20.24	1940-41	40.54		
1908-09	27.20	1941-42	13.51		
1909-10	20.21	1942-43	29.95		
1910-11	29.12	1943-44	24.44		
1911-12	15.61	1944-45	21.22**		
1912-13	13.89**	1945-46	20.14		

** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 183
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Glendora - West SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.27	.20							T	
3	.03							.25	T			
4								.10				
5								T				
6	.01	.10						.27				T
7	T							.13				
8												
9			.45						T			
10								T	.03			
11												
12				.55								
13				.10		1.05						
14			.02	T			.15					
15												
16			.03		.05		.03					
17			.34		.97		.33			T		T
18			.05		.02		.07					
19			1.34		.02		T					
20			.06				T					
21			2.30	.01	T							
22	T		.07									
23												
24												
25		.02					T					
26		.62	.01									
27		.07						.08				
28		.53						.20	.01			
29		3.61						T				
30		.20						.04				
31												
TOTAL	.04	4.95	4.94	.86	1.06	1.05	.58	1.07	.04	T	T	T

SEASON TOTAL 14.59

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 188
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Glendora - West SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			T			2.72						
2						.97						
3						T						
4						.05						
5						1.10						
6		.90										
7		1.20										
8			.01						T			
9			.22	.07	.19	.08				.02		
10		.05		.58	2.00	.01		T	.10			
11				.19	.96							
12				.09					.05			
13									.05			
14				.10								
15		T		.17								
16		.01		.69					T			
17				.01								
18												
19												
20												
21												
22			.05									
23												
24				T								
25												
26				.13			.01		.12			
27							.04	.02	.01			
28						1.67		.01	.01		T	
29												
30		T					.17					
31							.09					
TOTAL	0	2.16	.41	1.92	4.81	5.24	.03	.14	.20	.02	0	0

SEASON TOTAL 14.93

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 185
Foreign Station No.
Quad-Index No.

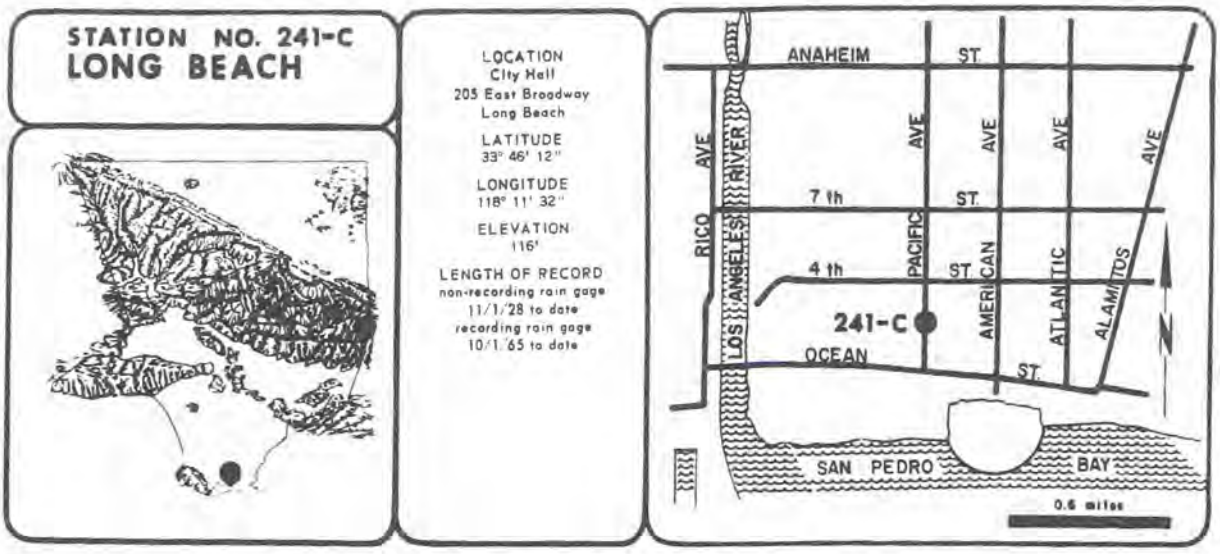
SEASONAL RAINFALL AT Glendora - West SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												T
3			.04									.17
4												.04
5					.08							
6					.06			T	T			.05
7												.05
8									.12			.01
9									.03			
10												
11							T					
12		.39									.21	
13			.28				.02					
14		.01										
15	T											
16	.04											
17												
18							.18	T				
19								.03				
20								.04	T			
21			T						T			
22			1.30						.03			
23			.02									
24	.40		3.00									
25			.93					T				
26			.56			T					T	
27			1.27								.01	
28	.04		.35									
29		T	.08							T		
30												
31												
TOTAL	.48	.40	7.84	0	.14	T	.20	.07	.18	T	.22	.32

SEASON TOTAL 9.85

REMARKS:



STATION NO. 241C
LONG BEACH

SEASON	RAINFALL		SEASON	RAINFALL
1928-29	9.47		1959-60	8.32
1929-30	10.99		1960-61	3.18
1930-31	9.22		1961-62	15.79
1931-32	14.51		1962-63	12.08**C
1932-33	9.35**		1963-64	6.30
1933-34	5.95		1964-65	10.40
1934-35	17.17		1965-66	12.97**
1935-36	8.94		1966-67	11.60
1936-37	17.82		1967-68	10.93**
1937-38	16.83		1968-69	17.79
1938-39	14.11		1969-70	6.43
1939-40	10.73		1970-71	8.84
1940-41	24.89		1971-72	5.81
1941-42	9.89			
1942-43	11.31			
1943-44	16.36			
1944-45	13.41			
1945-46	9.61			
1946-47	11.86 B			
1947-48	5.87			
1948-49	7.44			
1949-50	8.93			
1950-51	7.40			
1951-52	17.57			
1952-53	9.17			
1953-54	12.09			
1954-55	9.99			
1955-56	11.19			
1956-57	6.53			
1957-58	20.52			
1958-59	5.16			

P = STATION MOVED TO B LOCATION OCTOBER 1, 1946
C = STATION MOVED TO C LOCATION SEPTEMBER 30, 1963
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 241C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Long Beach - City Hall SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.08	.36								
3												
4		.02										
5		T						.10				
6								.15				
7			.23									
8												
9												
10				.10								
11				.10		.21						
12			.10				.52					
13												
14			.05		T							
15			.09		.72		.06					
16												
17			1.50		.08							
18			.08									
19			.43									
20	T		.05									
21												
22												
23		.02										
24		.22										
25												
26		.5						.12				
27		2.75										
28		.13										
29												
30												
31												
TOTAL	T	3.64	2.67	.56	.74	.21	.64	.38	0	0	0	0

SEASON TOTAL 8.84

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 241C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Long Beach - City Hall SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						.80						
2						.10						
3												
4						T						
5						.66						
6												
7		.24										
8		.76										
9			.05									
10		T		.13	.05							
11		.11		.67	.40							
12				.26	.38							
13				.16								
14												
15												
16		.03										
17				.86								
18				.04								
19												
20												
21												
22												
23												
24												
25												
26												
27												
28						.61						
29												
30	.02											
31												
TOTAL	.02	1.24	.05	2.12	1.44	1.56	0	0	0	0	0	0

SEASON TOTAL 6.43

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 241C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Long Beach - City Hall SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.01									
3			.15									.78*
4			.20									
5					.12							
6												
7												
8									.07*			
9												
10												
11												
12		.17									.36*	
13			.36									
14												
15												
16	.10											
17	.05											
18												
19							.11*					
20												
21												
22			.57									
23												
24			1.48									
25	.20		.11									
26			.04									
27			1.24									
28			.51									
29												
30												
31												
TOTAL	.35	.17	4.67	0	.12	0	.11*	0	.07*	-	.36*	.78*

*Estimate based on nearby station record SEASON TOTAL 6.81**

REMARKS:

STATION NO. 256C
POMONA

LOCATION
City of Pomona Fire Station
590 South Park Avenue
Pomona

LATITUDE
34° 03' 16"

LONGITUDE
117° 45' 10"

ELEVATION
844'

LENGTH OF RECORD
non-recording rain gage
7 1 1883 to 8 1 1890
1 1 1897 to 1 1 1900
10 1 1925 to date

STATION NO. 256C
POMONA

SEASON	RAINFALL				
1882-83	INC.	1940-41	33.97 B	1969-70	11.37
1883-84	39.46	1941-42	12.83	1970-71	9.99
1884-85	10.55	1942-43	24.12	1971-72	7.49
1885-86	23.84	1943-44	17.90		
1886-87	12.01	1944-45	15.08		
1887-88	21.09	1945-46	13.01		
1888-89	22.69	1946-47	12.73		
1889-90	30.07*	1947-48	8.68		
1890-96	NO RECORD	1948-49	9.90		
1896-97	INC.	1949-50	12.44		
1897-98	INC.	1950-51	8.67		
1898-99	6.75	1951-52	28.23		
1899-00	INC.	1952-53	12.54		
1900-25	NO RECORD	1953-54	15.75		
1925-26	20.23	1954-55	12.05		
1926-27	22.64	1955-56	13.43		
1927-28	15.96	1956-57	11.10		
1928-29	13.37	1957-58	31.22		
1929-30	14.85	1958-59	7.33		
1930-31	15.22	1959-60	9.61		
1931-32	21.41	1960-61	5.45		
1932-33	10.88	1961-62	15.41**		
1933-34	16.60	1962-63	12.65		
1934-35	20.95	1963-64	9.49 C		
1935-36	14.59	1964-65	13.92		
1936-37	29.26	1965-66	15.94		
1937-38	25.97	1966-67	22.34		
1938-39	19.56	1967-68	15.38		
1939-40	13.21	1968-69	28.30		

B = STATION MOVED TO B LOCATION JANUARY 8, 1941
C = STATION MOVED TO C LOCATION OCTOBER 1, 1963
* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 256C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pomona - Fire Station SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2				.13								
3			.23					.04				
4												
5								.02				
6		.15						.07				
7												
8												
9			.30									
10												
11									.03			
12												
13				.29								
14			.34	.04			.04					
15							.14					
16												
17			.21		.89		.04					
18					.04		.12					
19			.90									
20			.16									
21			1.14									
22			.60									
23												
24												
25							.06					
26		.66										
27												
28								.02				
29		1.76						.16				
30		1.37										
31												
TOTAL	0	3.98	3.88	.46	.93	0	.40	.31	.03	0	0	0

SEASON TOTAL 9.99

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 256C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pomona - Fire Station SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						1.77						
2						2.09						
3						.02						
4												
5						1.19						
6												
7		1.69										
8												
9												
10				.52	.60							
11				.26	1.84							
12												
13												
14												
15		.03		.36								
16				.12								
17				.55								
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28					.07							
29												
30												
31						.26						
TOTAL	0	1.72	0	1.81	2.51	5.33	0	0	0	0	0	0

SEASON TOTAL 11.37

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

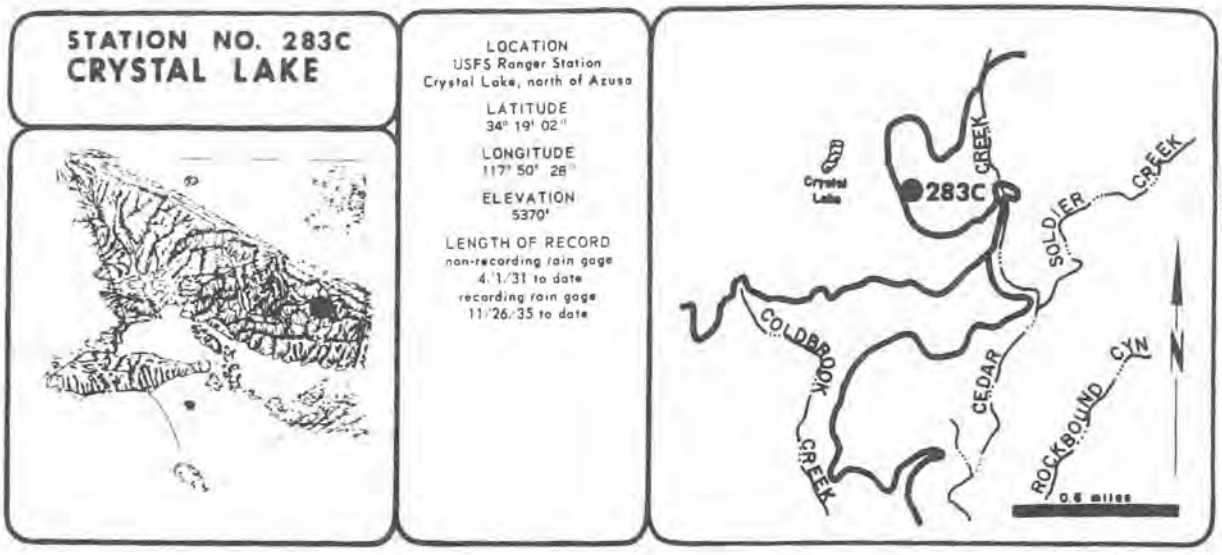
Station No. 256C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pacoima - Fire Station SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.01									
4			.06									.11
5					.02							
6					.04							.34
7												
8												
9												
10												
11												.31
12		.30										
13			.15								.10	
14												
15												
16												
17	.08											
18												
19							.19					
20							.23	.06				
21												
22			.51									
23			.56									
24			.22									
25	.26		2.50									
26												
27			.33								.27	
28			1.11								.07	
29			.32									
30												
31												
TOTAL	.34	.30	5.77	0	.06	0	.42	.06	0	0	.44	.45

SEASON TOTAL 7.49

REMARKS:



STATION NO. 283C
CRYSTAL LAKE

SEASON	RAINFALL		
1930-31	INC.	1956-59	23.72
1931-32	41.11	1959-60	17.89 C
1932-33	23.10	1960-61	16.16
1933-34	27.26	1961-62	42.06
1934-35	50.56	1962-63	21.69
1935-36	26.51	1963-64	19.94
1936-37	56.32	1964-65	26.43*
1937-38	65.72	1965-66	57.46
1938-39	40.09	1966-67	56.59
1939-40	27.49	1967-68	26.02
1940-41	67.24	1968-69	76.77
1941-42	27.53	1969-70	22.89
1942-43	58.56	1970-71	25.71
1943-44	51.05	1971-72	18.88
1944-45	35.09		
1945-46	38.48		
1946-47	39.18		
1947-48	21.11		
1948-49	21.15		
1949-50	24.88 B		
1950-51	15.25		
1951-52	54.57		
1952-53	20.25		
1953-54	30.42		
1954-55	27.73		
1955-56	25.86		
1956-57	30.24		
1957-58	64.88**		

P = STATION MOVED TO B LOCATION MARCH 12, 1950
C = STATION MOVED TO C LOCATION OCTOBER 14, 1959
* = ESTIMATED GREATER THAN 10% OF THE TOTAL
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 283C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Crystal Lake SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02								T	
2			.28	.11								
3	.04							.03				
4								.09				
5		T										
6		T						.98				T
7		.02						.02				
8												
9			.43									
10									T			
11									.02			
12				.72								
13				.09		.98						
14			.55			T	.31					
15							.02					
16			.16		.16					T		
17			.87		1.23		.66			T		
18			.14				.02					
19			1.91									
20			.04				.02					
21			3.54				.03	.03		T		
22			.23				T	.04				
23					.05							
24												
25		.11					.03					
26		.68	.07				.12					
27		.01	.01					.21				
28		.61						.42				
29		8.77										
30		.77						.05				
31								.01				
TOTAL	.04	10.97	8.25	.92	1.44	.98	1.21	1.88	.02	T	T	T

SEASON TOTAL 25.71

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 283C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Crystal Lake SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02			3.91	T					
2			.01			2.09				T		
3										T		
4						.32						
5						1.63						
6		1.95										
7		.26										
8		.02										
9		T		.34	.33				T	.08		
10		.17		1.04	2.54							
11				.16	1.18							
12				.19	T						.45	
13					.01				.08			
14				.01	.01				.04			
15		T		.64			.01				T	
16	T	.08					T				T	
17							.07					
18	.01											
19			T									
20												
21	.02						.22			T		
22							.07			T		
23												
24				T								
25												
26								.01				
27			T				.30					
28					3.72							
29												
30		T										
31						.29						
TOTAL	.03	3.18	.03	2.29	7.79	8.24	.67	.01	.12	.08	.45	0

SEASON TOTAL 22.89

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

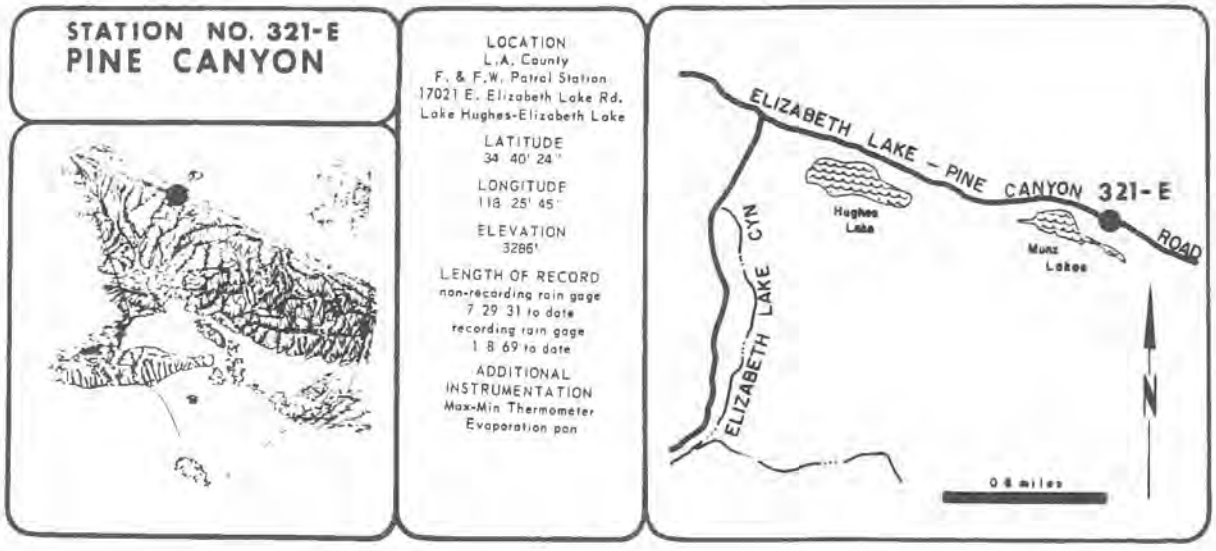
Station No. 283C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Crystal Lake SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												.03
3			.16									.03
4			.06									.11
5					.37							
6					.02				.01			.05
7			.13									.01
8												
9												
10												
11							T				.14	.07
12		.89					.05					
13		T	.20				.04					
14			T									
15	.02											
16	.12	.02										
17	.51											
18	.05						.01					
19							.05	.1				
20							T	.12	.01			
21								T				
22			.55									
23			.08						.06			
24	.24		2.72									
25	.20		4.03			T						
26	.04		1.79									
27	.11		.94	T						T		
28			1.32									
29			.15									
30												
31												
TOTAL	1.29	.91	14.13	T	.39	T	.35	.55	.68		.76	.75

SEASON TOTAL 9.98

REMARKS:



STATION NO. 321-E
PINE CANYON PATROL STATION

SEASON	RAINFALL		
1930-31	INC.	1963-64	11.80
1931-32	26.10	1964-65	16.32
1932-33	14.30	1965-66	27.18
1933-34	12.80	1966-67	29.83
1934-35	23.86	1967-68	16.66
1935-36	13.37	1968-69	41.88
1936-37	25.40	1969-70	8.76
1937-38	28.34	1970-71	17.04
1938-39	20.30	1971-72	9.85
1939-40	12.38		
1940-41	36.36		
1941-42	13.85		
1942-43	26.73		
1943-44	31.03		
1944-45	17.31		
1945-46	20.85		
1946-47	17.99		
1947-48	8.97		
1948-49	10.37		
1949-50	13.09		
1950-51	5.32		
1951-52	30.95		
1952-53	10.49		
1953-54	15.49		
1954-55	16.01		
1955-56	15.66		
1956-57	12.95		
1957-58	35.39		
1958-59	11.04		
1959-60	11.04		
1960-61	7.16		
1961-62	23.15		
1962-63	10.27		

INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 321-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pine Canyon Patrol Station SEASON 1970-71

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.27									
3												
4								.25				
5												
6		.46						.10				.26
7								.30				
8												
9			.37									
10												
11								.01				
12				.45								
13				.17		.65						
14			.18				.21					
15												
16			.14		.10							
17			.37		.80		.58					
18			.10				.04					
19			1.25									
20			.11				.01					
21			1.63									
22												
23					.04							
24												
25		.22					.04					
26			.07									
27		.09						.25				
28		.63	.03					.12				
29		6.40										
30		.44										
31												
TOTAL	0	8.24	4.52	.62	.94	.65	.88	.93	0	0	0	.26

SEASON TOTAL 17.04

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 321-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pine Canyon Patrol Station SEASON 1969-70

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						2.64						
2						.37						
3												
4						.58						
5						.02						
6		.82										
7		.43										
8		.05										
9				.05	.12							
10		.10		.63	1.15	.02						
11				.01	.25							
12				.05					.03			
13					.01				.15			
14				.01								
15				.05								
16				.08								
17				.01								
18												
19			.01									
20												
21												
22												
23												
24												
25												
26												
27												
28					1.07							
29												
30		.05				T						
31												
TOTAL	0	1.45	.01	.89	2.60	3.63	0	0	.18	0	0	0

SEASON TOTAL 8.76

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 321-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pine Canyon Patrol Station SEASON 1971-72

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.06									
4												
5					.13							
6									.14			
7									.07			
8												
9												
10												
11							.02					
12		.38										
13			.28									
14												
15												
16												
17												
18							.63					
19								.04				
20												
21												
22			1.03									
23			.52									
24	.09		2.98									
25			.53									
26			1.06									
27			1.42									
28			.50									
29			.02									
30												
31												
TOTAL	.09	.38	8.40	0	.13	0	.65	.04	.16	0		

SEASON TOTAL 9.85

REMARKS:

STATION NO. 338B
Mt. WILSON

LOCATION
Mt. Wilson Post Office
one-half mile east
of Observatory
Mt. Wilson

LATITUDE
34° 13' 36"

LONGITUDE
118° 03' 57"

ELEVATION
5709'

LENGTH OF RECORD
non-recording rain gage
10 1/39 to date
recording rain gage
3 24/41 to 3 22 72

STATION NO. 338B
MT. WILSON

SEASON	RAINFALL	SEASON	RAINFALL
1938-39	INC.	1970-71	25.70**
1939-40	24.91**	1971-72	14.12
1940-41	66.80		
1941-42	21.53		
1942-43	56.51		
1943-44	42.19		
1941-45	33.01		
1945-46	32.82		
1946-47	43.23		
1947-48	17.04		
1948-49	22.04		
1949-50	22.83		
1950-51	15.38		
1951-52	52.44		
1952-53	19.81		
1953-54	26.37		
1954-55	25.95		
1955-56	24.42		
1956-57	22.92		
1957-58	45.91		
1958-59	13.61		
1959-60	13.65		
1960-61	11.98		
1961-62	37.20		
1962-63	20.54		
1963-64	16.94		
1964-65	32.04		
1965-66	46.18		
1966-67	51.44		
1967-68	22.43		
1968-69	66.41		
1969-70	20.04		

** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 338B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Mount Wilson - Airways SEASON 1970-71

Record Furnished by Copied by State Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.93	.15								
3	.13							.04				
4								.11				
5		.09						.02			T	
6		.41						.32				T
7								.45				
8												
9			.78									
10								.07	T			
11												
12				.66								
13				.46		1.52						
14			.17	T			.18					
15												
16			.25		.07							
17			1.05		2.18		.54			T		
18			.20				.12					
19			2.42		T		T					
20			.50									
21	T		.7					T				
22			1.26									
23					.03							
24												
25		.02										
26		.70	.06									
27								T				
28		.48						.19				
29		8.30										
30		.83										
31												
TOTAL	.13	10.83	7.63	1.27	2.28	1.52	.84	1.20	T	T	T	T

SEASON TOTAL 25.70

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 338B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Mt. Wilson - Airways SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			T			3.97						
2						.53						
3												
4						.11						
5						1.34						
6		1.51										
7		1.00										
8		.02	.04									
9				.09	.33	T						
10		.02		.78	3.63	T						
11				.19	1.52							
12				.13					.01			
13									.24			
14				.10	.06							
15		.01		.04								
16	.01			.68								
17				.02	T		T					
18												
19												
20												
21							T					
22			T									
23												
24												
25												
26												
27												
28					3.03					T		
29												
30						.40						
31												
TOTAL	.01	2.56	.04	2.03	8.57	6.35	.23	0	.25	T	0	0

SEASON TOTAL 20.04

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 338B
Foreign Station No.
Quad-Index No.

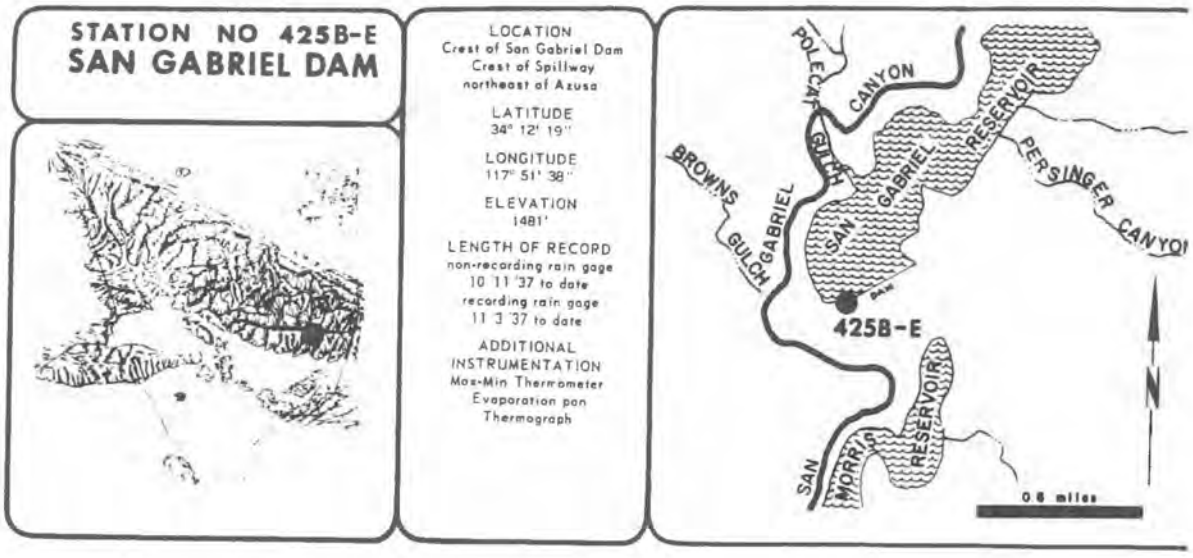
SEASONAL RAINFALL AT Mt. Wilson - Airways SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.28									T
3			.05									.19
4			.04									
5					.25				.14			T
6					.05							T
7									T			
8												
9												
10												
11		.12					T					
12		.76	.01								.30	
13			.27				.10					
14												
15	T											
16	.23											
17	.10											
18							.20	T				
19							T	.20				
20									T			
21			.09									
22			2.04						T			
23			.15									
24	.20		3.38									
25			1.72									
26	T		.27	T		.02					.07	
27			1.99	T							T	
28			.60								.10	
29												
30											T	
31												
TOTAL	.53	.88	10.89	T	.30	.02	.30	.20	.34	0	.47	.19

SEASON TOTAL 14.12

REMARKS:



STATION NO. 425B-E
SAN GABRIEL DAM

SEASON	RAINFALL		SEASON	RAINFALL
1937-38	44.33		1969-70	20.35
1938-39	29.41		1970-71	21.16
1939-40	20.11		1971-72	13.15
1940-41	53.46			
1941-42	17.59			
1942-43	47.56	B		
1943-44	33.23			
1944-45	28.89			
1945-46	28.88			
1946-47	29.31			
1947-48	13.88			
1948-49	16.10			
1949-50	20.61			
1950-51	12.69			
1951-52	49.19			
1952-53	16.71			
1953-54	25.60			
1954-55	19.88			
1955-56	24.32			
1956-57	21.82			
1957-58	45.95			
1958-59	15.82			
1959-60	14.24			
1960-61	11.57			
1961-62	33.73			
1962-63	17.37			
1963-64	15.73			
1964-65	22.32			
1965-66	39.56			
1966-67	47.42			
1967-68	19.04			
1968-69	65.09			

B = STATION MOVED TO B LOCATION JUNE 20, 1943

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 425B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT San Gabriel Dam SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.62	.16								
3	T		.01					.09				
4								.14				
5												
6	T	.14						.27				
7								.12				
8												
9			.55									
10									.03			
11								.04				
12				1.32								
13				.14		1.42						
14			.16				.14					
15												
16			.22		.08		T					T
17			.62		1.16		.37			T		
18			.06				.07					
19			1.86		.02		.02					
20			.05									
21			3.13				.01	.06				
22			.22					T				
23												
24							T					
25							.01					
26		.62										
27								.17				
28		.35						.14				
29		5.85						.02	T			
30		.50						.09				
31								.01				
TOTAL	T	7.46	7.50	1.62	1.26	1.42	.02	1.05	.03	T	0	T

SEASON TOTAL 23.10

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 425B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT San Gabriel Dam SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						3.92						
2						2.17						
3												
4						.15						
5						1.38						
6		1.23										
7		1.10										
8		.08								T		
9			.11	.04	.48	.01				.03		
10		.01		.24	2.09	.01			.02			
11				.14	1.16							
12				.08					T			
13									.17			
14				.08								
15		.13		.05								
16		.15		.67					T			
17												
18												
19												
20												
21							.25					
22							.21					
23												
24												
25												
26						T		.03				
27						.04	.13	.03				
28					2.99					T		
29												
30						.18						
31						.15						
TOTAL	0	2.64	.11	2.00	6.72	8.01	.59	.06	.19	.03	0	0

SEASON TOTAL 20.35

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

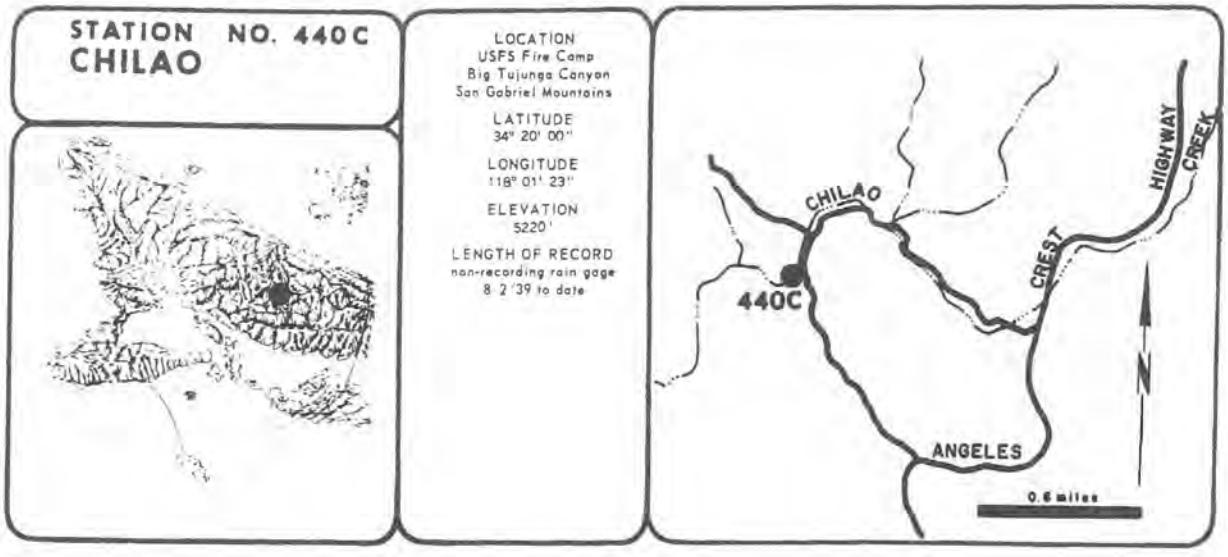
Station No. 425B-E
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT San Gabriel Dam SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			T									
3			.09									
4												
5							T					
6							T					
7			.03									
8									.04			
9									.03			
10												
11												
12		.32										
13			.70				.03				.49	
14												
15	.02											
16	.17											
17	.11											
18							T					
19							.18	.14				
20							.10	.12				
21			T									
22			1.72						.03			
23			.03									
24	.13		4.02									
25	.15		1.42									
26			.80	T								
27			1.86			.01						
28	.05		.32									
29			.04									
30												
31												
TOTAL	.63	.32	10.53	T	.18	.01	.31	.27	.10	T		

SEASON TOTAL 13.15

REMARKS:



STATION NO. 440C
CHILAO

SEASON	RAINFALL		SEASON	RAINFALL	
1938-39	INC.		1966-67	29.21	
1939-40	16.71		1967-68	20.00	
1940-41	49.33		1968-69	47.49	
1941-42	16.14		1969-70	16.41	D
1942-43	INC.	B	1970-71	21.18	
1943-44	41.53		1971-72	11.86	
1944-45	25.07				
1945-46	26.24				
1946-47	26.11				
1947-48	12.51				
1948-49	13.34				
1949-50	13.87				
1950-51	10.70				
1951-52	39.03				
1952-53	12.97				
1953-54	19.95				
1954-55	19.77**				
1955-56	20.11				
1956-57	18.35				
1957-58	42.81**				
1958-59	13.05				
1959-60	10.82				
1960-61	10.78				
1961-62	32.61				
1962-63	17.02				
1963-64	11.05	C			
1964-65	18.58				
1965-66	31.33				

INC = INCOMPLETE
** = ESTIMATED LESS THAN 10% OF THE TOTAL
B = STATION MOVED TO B LOCATION FEBRUARY 20, 1943
C = STATION MOVED TO C LOCATION OCTOBER 1, 1963
D = STATION MOVED TO D LOCATION OCTOBER 1, 1969

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 440D
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Chilao - USFS Camp SEASON 1969-70

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.01			4.18						
2						1.16						
3						.02						
4												
5						1.39						
6		.17										
7		1.80										
8												
9			.01									
10		.09		.62	3.05							
11					1.84	.02						
12				.23							.06	
13												
14												
15												
16		.01		.63								
17					.01		.01					
18												
19												
20												
21							.15					
22												
23												
24												
25												
26												
27							.15					
28					.70							
29												
30												
31						.10						
TOTAL	0	2.07	.02	1.48	5.60	6.87	.31	0	0	0	.06	0

SEASON TOTAL 16.41

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 440D
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Chilao - USFS Camp SEASON 1970-71

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.01	.15								
3	.19											
4												
5								.10				
6		.01						.03				.01
7								.17				
8												
9			.13									
10												
11												
12												
13						.42						
14			.28				.08					
15				.36*			.15					
16												
17			.30		1.30		.45					
18												
19			2.15									
20					.15							
21			3.78				.05					
22												
23					.10							
24												
25												
26		.66										
27		.03										
28		.04										
29		8.85						.20				
30		1.03										
31												
TOTAL	.19	10.62	6.65	.51*	1.55	.42	.73	.50	0	0	0	.01

SEASON TOTAL 21.18**

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 440D
Foreign Station No.
Quad-Index No.

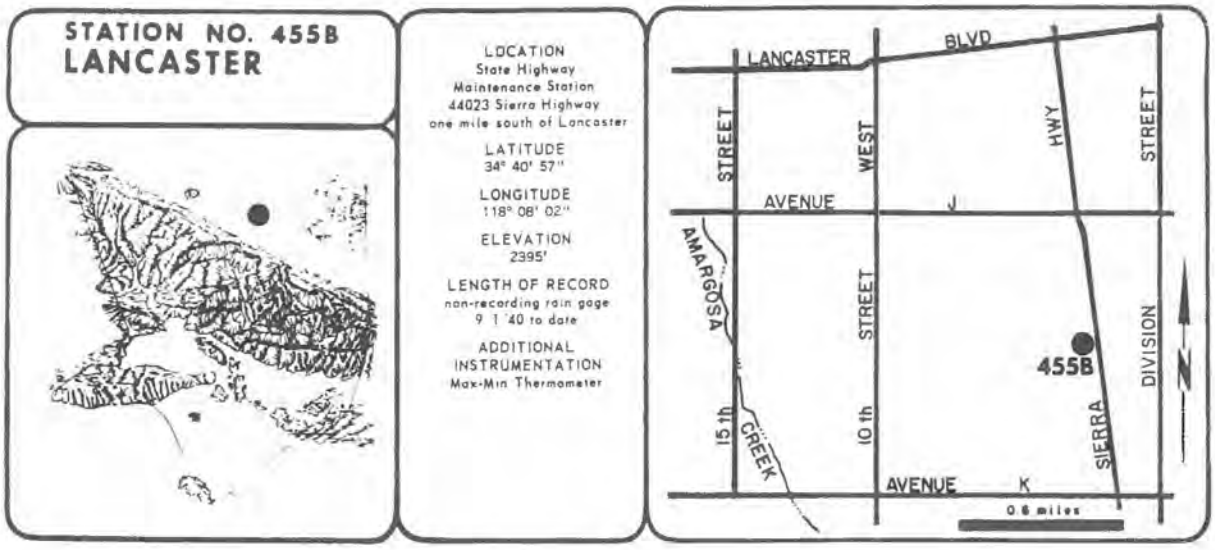
SEASONAL RAINFALL AT Chilao - USFS Camp SEASON 1971-72

Record Furnished by: Copied by: Date Copied:

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.06									.03
4			.02									.11
5					.09							
6												.04
7			.11									.09
8												
9												
10												
11												
12		.51									.25	
13			.18				.13					
14		.01										
15												
16	T	T										
17	.25											
18	T											
19							.02					
20								.31				
21												
22			1.34									
23			.47									
24			3.52									
25	.45											
26			2.58									
27			.50								.15	
28	T		.62									
29												
30												
31												
TOTAL	.70	.54	9.40	0	.09	0	.15	.31	0	0	.40	.27

SEASON TOTAL 11.86

REMARKS:



STATION NO. 455B
LANCASTER

SEASON	RAINFALL
1940-41	18.66
1941-42	6.05
1942-43	9.91
1943-44	17.58
1944-45	7.67
1945-46	7.12
1946-47	7.79
1947-48	3.92
1948-49	5.86
1949-50	4.22
1950-51	2.30
1951-52	12.97
1952-53	3.72**
1953-54	6.37
1954-55	5.26
1955-56	4.03
1956-57	5.41
1957-58	12.05
1958-59	2.77
1959-60	3.87
1960-61	1.93**B
1961-62	7.82
1962-63	4.92
1963-64	3.60**
1964-65	4.98
1965-66	7.72
1966-67	6.13
1967-68	6.04
1968-69	7.32
1969-70	2.29
1970-71	5.87
1971-72	3.46

B = STATION MOVED TO B LOCATION OCTOBER 9, 1960
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 455B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Lancaster - State Highway Maintenance Station SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.01									
3												
4								.05				
5												
6												.10
7												
8												
9			.02									
10			.08									
11								.05				
12												
13						.31						
14			.21	.02								
15							.12					
16			.01									
17			.32		.07		.12					
18												
19												
20												
21			1.25									
22												
23												
24												
25												
26		.06										
27												
28								.16				
29		2.80										
30		.11										
31												
TOTAL	0	2.77	1.90	.02	.07	.31	.24	.26	0	0	0	.10

SEASON TOTAL 5.87

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 455B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Lancaster - State Highway Maintenance Station SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						.17						
2						.21						
3												
4												
5						.40						
6		.65										
7												
8												
9				.07	.20							
10		.05			.26							
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28					.28							
29												
30												
31												
TOTAL	0	.70	0	.07	.74	.78	0	0	0	0	0	0

SEASON TOTAL 2.29

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 455B
Foreign Station No.
Quad-Index No.

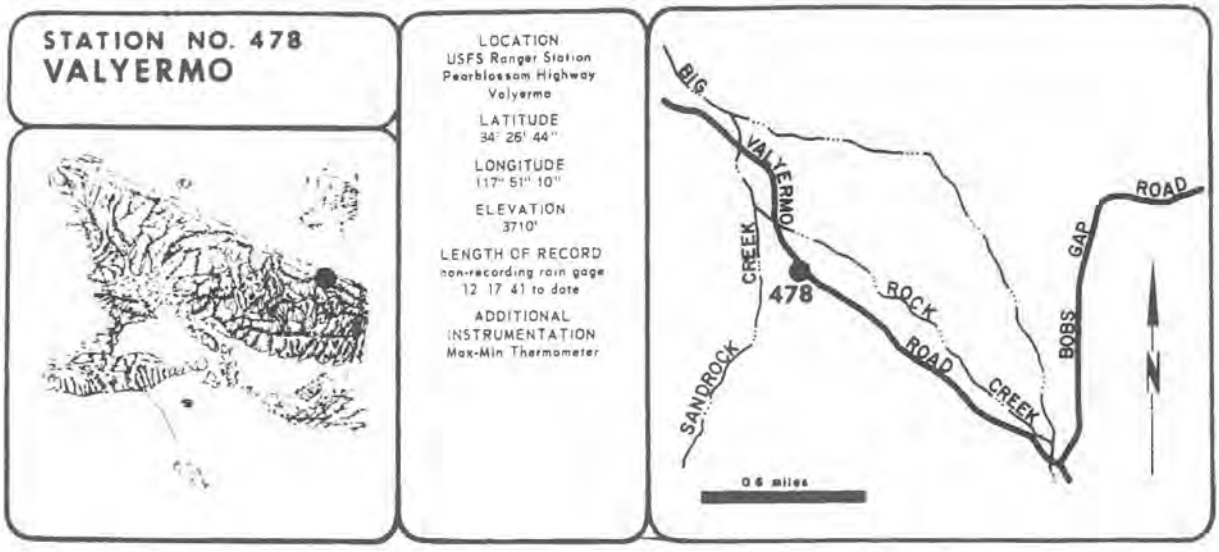
SEASONAL RAINFALL AT Lancaster - State Highway Maintenance Station SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3												
4									.16			
5												
6									.28			
7												
8									.10			
9												
10												
11												
12		T										
13			.06									
14												
15												
16												
17												
18							.04					
19												
20												
21												
22			.29									
23			.02									
24	.04		.71									
25			.20									
26			.25									
27			.03									
28			.58									
29												
30												
31												
TOTAL	.04	T	2.84	0	0	0	.04	0	.54	0	0	0

SEASON TOTAL 3.46

REMARKS:



STATION NO. 478
VALYERMO

SEASON	RAINFALL
1941-42	INC.
1942-43	18.12
1943-44	21.44**
1944-45	10.52**
1945-46	9.76
1946-47	10.63
1947-48	6.85
1948-49	6.19
1949-50	4.61
1950-51	3.79
1951-52	15.52
1952-53	7.77
1953-54	9.74**
1954-55	8.42
1955-56	6.63
1956-57	7.80
1957-58	15.65
1958-59	6.88
1959-60	4.73
1960-61	4.12
1961-62	12.82
1962-63	7.85
1963-64	5.02
1964-65	7.99
1965-66	15.90
1966-67	10.09
1967-68	9.65
1968-69	19.49
1969-70	6.86
1970-71	9.83
1971-72	6.44

** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 478
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Valyermo - USFS Headquarters SEASON 1970-71
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2				.23							.42	
3												
4												
5												
6												
7								.10				
8												
9			.06									
10												
11												
12				.21								
13						.07						
14			.30				7					
15							.15					
16												
17			.02		7 .48		7			.08		
18			7				.12					
19			1.20									
20												
21			1.03							.04		
22												
23					.20							
24											.25	
25												
26		7 .06										
27												
28								.14				
29		7										
30		4.67										
31												
TOTAL	0	4.73	2.61	.44	.68	.07	.27	.24	0	.12	.67	0

SEASON TOTAL 9.83

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 478
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Valyermo - USFS Headquarters SEASON 1969-70
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.02			.85						
2						.09						
3												
4						.24						
5						.27						
6		7										
7		.96										
8												
9		.06		.09	7					.10		
10		.22										
11				.10	1.62							
12											.23	
13												
14												
15		.01										
16				.05							.01	
17												
18												
19												
20												
21	.01						.01					
22												
23												
24											.06	
25								.14				
26												
27							.07					
28					1.56							
29												
30		.02										
31						.07						
TOTAL	.01	1.27	.02	.24	3.18	1.52	.08	.14	0	.10	.30	0

SEASON TOTAL 6.86

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 478
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Valyermo - USFS Headquarters SEASON 1971-72
Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.02									.03
4												
5					.01				.04			.01
6											.04	
7			.22						.05			
8												
9												
10												
11							.02					
12		.17									.04	
13			.02									
14												
15												
16	.09											
17												
18							.03					
19								.08				
20												
21												
22			.43									
23												
24	.27											
25	.02		3.86									
26												
27			.83									
28			.14									
29												
30												
31								.06				
TOTAL	.38	.17	5.52	0	.01	0	.05	.08	.10	0	.08	.05

SEASON TOTAL 6.44

REMARKS:

STATION NO. 610B
PASADENA

LOCATION
City Hall
Intersection of Garfield Avenue and Ramona Street
Pasadena

LATITUDE
34° 08' 54"

LONGITUDE
118° 08' 36"

ELEVATION
864'

LENGTH OF RECORD
non-recording rain gage
9/3/35 to date

ADDITIONAL INSTRUMENTATION
Max-Min Thermometer

STATION NO. 610B
PASADENA

SEASON	RAINFALL		SEASON	RAINFALL
1924-25	12.85		1957-58	30.88
1925-26	22.42		1958-59	9.96
1926-27	25.13		1959-60	9.58
1927-28	13.59		1960-61	7.28
1928-29	16.42		1961-62	24.24
1929-30	15.79		1962-63	11.69
1930-31	17.63		1963-64	10.51
1931-32	22.37		1964-65	16.30
1932-33	16.16		1965-66	24.18
1933-34	21.38		1966-67	26.05
1934-35	26.98	B	1967-68	16.07
1935-36	15.73		1968-69	32.76
1936-37	28.79		1969-70	11.42
1937-38	31.39		1970-71	15.78
1938-39	23.71		1971-72	8.76
1939-40	17.05			
1940-41	46.41			
1941-42	15.13			
1942-43	32.83			
1943-44	25.55			
1944-45	16.87			
1945-46	16.50			
1946-47	20.94			
1947-48	10.50			
1948-49	12.25			
1949-50	15.66			
1950-51	11.06			
1951-52	36.75			
1952-53	13.85			
1953-54	16.47			
1954-55	16.05			
1955-56	18.66			
1956-57	15.63			

B = STATION MOVED TO LOCATION B SEPTEMBER 3, 1935

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 610B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pasadena - City Hall SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.51	.11								
3	T								01			
4	.01			.01				T				
5								T		T		
6	.01	.14						.21				
7								.12				
8												
9			.20						01			
10									.03			
11									T			
12				.55								
13				.16		.78						
14			.02				.29					
15							.01					
16			.09		.03		.02					
17					1.04		.07					
18			.08		.01		.07					
19			1.93		.02							
20												
21	01		2.23	01						T		
22												
23												
24												
25		T										
26		.38				T						
27												
28		.12						.24				
29		5.55						.01				
30		.35						.02				
31												
TOTAL	.03	6.54	5.48	.84	1.14	.78	.46	.50	.05	T	T	0

SEASON TOTAL 15.78

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 610B
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Pasadena - City Hall SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03			1.55						
2												
3												
4						.01						
5						1.23						
6		.67										
7		.71										
8		T							T			
9			.08	.05								
10		.83		.55		T						
11		T		.20								
12				.02					T			
13									.05			
14												
15				.14								
16				.72								
17				T								
18												
19				.01								
20												
21												
22				T								
23												
24				T								
25								T				
26	T											
27												
28												
29												
30						.30						
31												
TOTAL	T	1.41	.11	1.77	4.52	3.51	.05	T	.05	0	0	0

SEASON TOTAL 11.42

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 610H
Foreign Station No.
Quad-Index No.

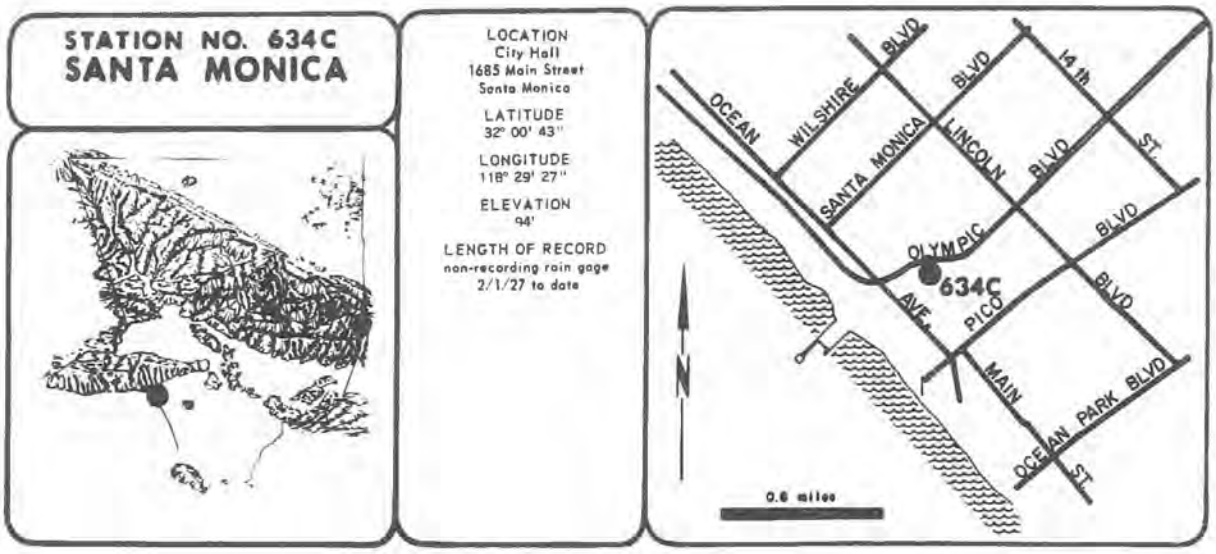
SEASONAL RAINFALL AT Pasadena - City Hall SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1					T							
2												.02
3												
4			.05									
5					.05							
6												
7									.29			.01
8									.10			T
9									.02			
10												
11							T					
12		.35									.37	
13			.09				T					
14											T	
15												
16		.02										
17		.12										
18												
19							.19	.02				
20												
21									T			
22			1.19						.02			
23									.01			
24	.68		2.66									
25	.01		.63								.02	
26			.37									
27				.21								
28	T		.40								T	
29												
30												
31												
TOTAL	.23	.35	7.05	.21	.05	0	.19	.02	.44	0	.39	.03

SEASON TOTAL 8.76

REMARKS:



STATION NO. 634C
SANTA MONICA

SEASON	RAINFALL		SEASON	RAINFALL	
1926-27	INC.		1955-56	15.41	
1927-28	9.70		1956-57	11.09	
1928-29	11.44		1957-58	23.05	C
1929-30	9.59		1958-59	6.79	
1930-31	12.46		1959-60	10.07	
1931-32	14.84		1960-61	6.50	
1932-33	11.34		1961-62	22.96	
1933-34	12.39		1962-63	11.59	
1934-35	18.56		1963-64	8.06	
1935-36	12.31		1964-65	14.16	
1936-37	21.47		1965-66	16.23	
1937-38	22.32		1966-67	17.67	
1938-39	17.26		1967-68	15.76	
1939-40	15.89	B	1968-69	24.54	
1940-41	32.49		1969-70	7.23	
1941-42	12.07		1970-71	12.78	
1942-43	16.16		1971-72	6.54	
1943-44	18.30				
1944-45	13.10				
1945-46	11.40				
1946-47	11.98				
1947-48	6.29				
1948-49	8.86				
1948-49	7.69				
1949-50	10.54				
1950-51	7.57				
1951-52	26.26				
1952-53	11.70				
1953-54	13.87**				
1954-55	11.03				

B = STATION MOVED TO LOCATION B OCTOBER 1, 1939
C = STATION MOVED TO LOCATION C SEPTEMBER 1, 1958
** = ESTIMATED LESS THAN 10% OF THE TOTAL
INC = INCOMPLETE

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 634C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Santa Monica SEASON 1970-71
Record Furnished by ____ Copied by ____ Date Copied ____

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2			.19	.27								
3								T				
4												
5		T										
6	.03	.09						T				.05
7								T				
8												
9			.44									
10												
11												
12				.21								
13				.21		.55						
14			.11				.82					
15												
16			.52		.12							
17			.08		.46					T		
18			.24									
19			2.55		.03							
20			T									
21	.01		.85									
22												
23												
24												
25		.06										
26		.20										
27								T				
28		.16						.17				
29		3.96										
30		.30										
31												
TOTAL	.04	4.87	4.98	.69	.61	.55	.82	.17	0	T	0	.05

SEASON TOTAL 12.78

REMARKS: ____

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 634C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Santa Monica SEASON 1969-70
Record Furnished by ____ Copied by ____ Date Copied ____

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			T			.18						
2						.07						
3												
4						.09						
5						1.34						
6		.86										
7		.69										
8			T						.02			
9			T	.05	.48							
10		.09		.68	.58							
11				.39	.25							
12				.02								
13												
14				.02								
15		T		.03								
16				.94								
17				T								
18												
19												
20												
21												
22												
23				T								
24												
25												
26												
27												
28					.65							
29												
30												
31												
TOTAL	0	1.64	T	1.93	1.96	1.68	0	0	.02	0	0	T

SEASON TOTAL 7.23

REMARKS: ____

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 634C
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Santa Monica SEASON 1971-72
Record Furnished by ____ Copied by ____ Date Copied ____

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3												
4			.37									
5			.09		.18							
6												
7						T			.27			
8												
9												
10												
11		.37										
12											.05	
13			.28									
14												
15	.01											
16												
17	.18											
18												
19												
20												
21									.27			
22			.74									
23	T		.05									
24			.49									
25			.58									
26			.15									
27			.92									
28			.56									
29			.01									
30												
31												
TOTAL	.19	.37	5.65	0	.18	0	0	0	.27	0	.05	0

SEASON TOTAL 6.71

REMARKS: ____

STATION NO. 716
LOS ANGELES - DUCOMMUN ST.

LOCATION
Los Angeles DWP Service Yard
410 Ducommon Street
Los Angeles

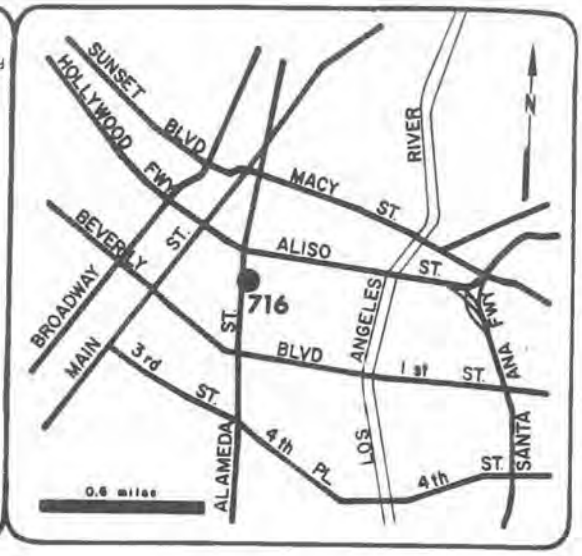
LATITUDE
34° 03' 09"

LONGITUDE
118° 14' 13"

ELEVATION
306'

LENGTH OF RECORD
non-recording rain gage
2/22/1872 to date
recording rain gage
2/19/1897 to date

ADDITIONAL INSTRUMENTATION
Max-Min Thermometer



STATION NO. 716
LOS ANGELES - DUCOMMUN ST.

SEASON	RAINFALL		SEASON	RAINFALL		SEASON	RAINFALL
1871-72	INC. A		1894-95	15.37		1917-18	14.53
1872-73	14.84		1895-96	8.54		1918-19	9.20
1873-74	23.78		1896-97	16.83		1919-20	11.27
1874-75	18.93		1897-98	7.15		1920-21	14.23
1875-76	26.07		1898-99	5.51		1921-22	19.04
1876-77	5.54 B		1899-00	7.90		1922-23	10.14
1877-78	21.26		1900-01	16.41		1923-24	6.12
1878-79	11.35		1901-02	10.48		1924-25	7.94
1879-80	20.34		1902-03	19.75 F		1925-26	17.56
1880-81	13.13 C		1903-04	8.74		1926-27	17.76
1881-82	10.40		1904-05	19.07		1927-28	9.77
1882-83	12.11		1905-06	18.75		1928-29	12.98
1883-84	38.18		1906-07	19.20		1929-30	11.21
1884-85	9.21		1907-08	13.02 F		1930-31	12.78
1885-86	22.76		1908-09	17.92		1931-32	16.83
1886-87	13.82		1909-10	12.64		1932-33	11.75
1887-88	13.76		1910-11	17.36		1933-34	14.68
1888-89	19.78 D		1911-12	10.37		1934-35	21.63
1889-90	34.32		1912-13	13.45		1935-36	12.02
1890-91	13.33		1913-14	23.63		1936-37	22.35
1891-92	11.80		1914-15	17.04		1937-38	23.44
1892-93	26.27		1915-16	20.69		1938-39	18.74
1893-94	7.47		1916-17	14.49		1939-40	13.54

A = COMPOSITE RECORD BEGAN AT STATION 580 ON FEBRUARY 22, 1872
B = STATION MOVED TO 577A JULY 1, 1877
C = STATION MOVED TO 577B JANUARY 28, 1881
D = STATION MOVED TO 577C NOVEMBER 2, 1888
E = STATION MOVED TO 577D OCTOBER 16, 1902
F = STATION MOVED TO 577E AUGUST 2, 1908
G = STATION MOVED TO 715B AUGUST 15, 1953
H = STATION MOVED TO 716 OCTOBER 1, 1959
INC = INCOMPLETE
** = ESTIMATED LESS THAN 10% OF THE TOTAL

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 718
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Los Angeles - Ducommun Street SEASON 1970-71

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1			.03									
2												
3												
4												
5												
6		.13						.04				
7								.05				T
8												
9			.33									
10												
11												
12				.18								
13				.11		.55						
14			.02				.51					
15												
16			.47									
17			.09		.67							
18					T							
19			1.99									
20												
21			1.44							T		
22												
23												
24												
25												
26			.55									
27												
28		.38						.01				
29		3.64						.10				
30		.27										
31												
TOTAL	0	4.98	4.76	.42	.67	.55	.51	.20	0	T	0	T

SEASON TOTAL 12.09

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 718
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Los Angeles - Ducommun Street SEASON 1969-70

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1						.52						
2						.28						
3												
4												
5						1.27						
6		.49										
7												
8												
9			.04	.86	.23							
10		.82		.41	.78							
11				.89	.48	T						
12				.85								
13									.04			
14				.11								
15				.23								
16				.78								
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27						.02						
28					3							
29												
30												
31						.10						
TOTAL	0	1.11	.06	1.62	2.67	2.27	0	0	.04	0	0	0

SEASON TOTAL 7.77

REMARKS:

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

Station No. 718
Foreign Station No.
Quad-Index No.

SEASONAL RAINFALL AT Los Angeles - Ducommun Street SEASON 1971-72

Record Furnished by Copied by Date Copied

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
1												
2												
3			.24									
4			.05									.01
5					.11							
6												.02
7												
8									.03			
9												
10												T
11												
12		.31									.33	
13			.13									
14												
15												
16												
17	T											
18							.03					
19												
20								.02				
21									T			
22			.86						.04			
23			.08									
24			.82									
25	.04											
26												
27			3.33								.02	
28			.85								.01	
29		T	.10									
30												
31												
TOTAL	.04	.31	6.46	0	.11	0	.03	.02	.07	0	.36	.03

SEASON TOTAL 7.43

REMARKS:

ICEHOUSE NO 4 SNOW COURSE

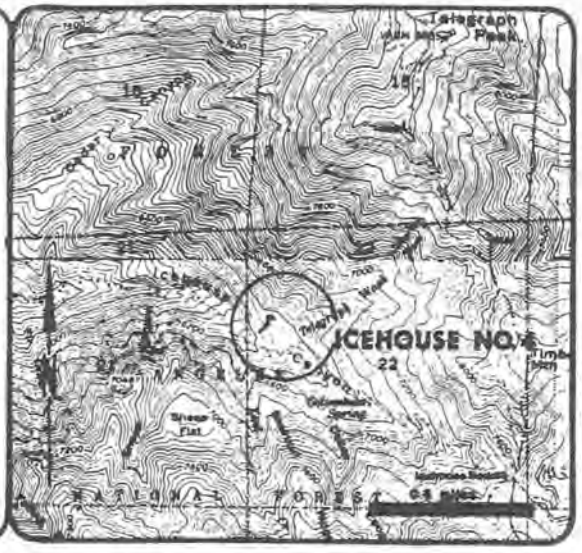
LOCATION
5 miles northeast of Mt. Baldy Ranger Station
Icehouse Canyon
southern exposure

ELEVATION
6300'

LENGTH OF COURSE
523'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA – ICE HOUSE NO 4

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	0	0	
1955-56	5.4	1.8	33
1956-57	0	0	
1957-58	16.5	7.1	43
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	0	0	
1963-64	0	0	
1964-65	NO RECORD		
1965-66	0	0	
1966-67	3.4	1.3	38
1967-68	0	0	
1968-69	12.4	5.1	41
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	

MANKER FLAT SNOW COURSE

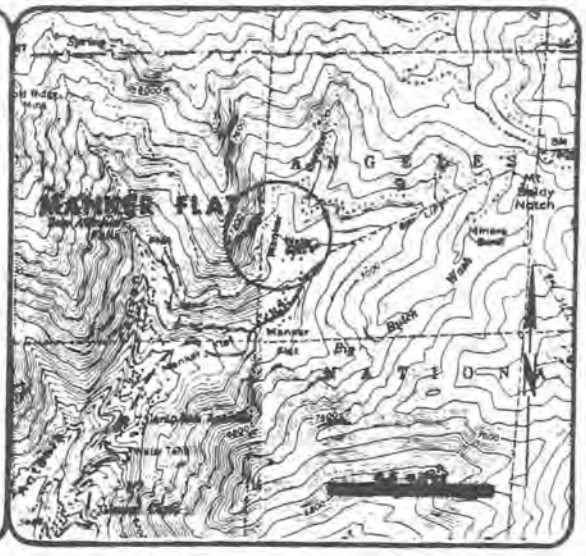
LOCATION
200 feet west of base of Mt. Baldy Ski Lift
San Gabriel Mountains
southern exposure

ELEVATION
6500'

LENGTH OF COURSE
815'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - MANKER FLAT

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	0	0	
1955-56	+	+	
1956-57	0	0	
1957-58	14.0	7.3	52
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	0	0	
1963-64	4.1	1.9	46
1964-65	20.6	5.8	28
1965-66	0	0	
1966-67	2.4	0.7	29
1967-68	0	0	
1968-69	0	0	
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	

+ = PATCHES OF SNOW

LOWER THUNDER MTN. SNOW COURSE

LOCATION

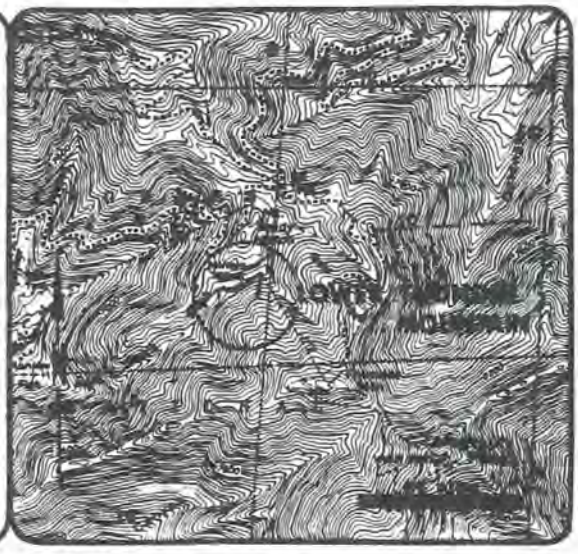
Just west of base of Thunder Mountain Chair Lift
Mt. Baldy
San Gabriel Mountains
northern exposure

ELEVATION
7500'

LENGTH OF COURSE
1181'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - LOWER THUNDER MOUNTAIN

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	1.1	0.5	45
1955-56	7.6	2.3	30
1956-57	0.3	0.1	33
1957-58	62.5	28.3	45
1958-59	1.8	0.7	39
1959-60	4.8	2.3	48
1960-61	0	0	
1961-62	25.5	11.8	46
1962-63	2.5	0.9	36
1963-64	12.2	5.2	43
1964-65	28.3	5.8	20
1965-66	1.6	0.8	50
1966-67	20.6	6.4	31
1967-68	5.9	2.7	46
1968-69	46.8	24.0	51
1969-70	9.5	3.8	40
1970-71	8.6	4.4	51
1971-72	+	+	

\+ = PATCHES OF SNOW

UPPER THUNDER MTN. SNOW COURSE

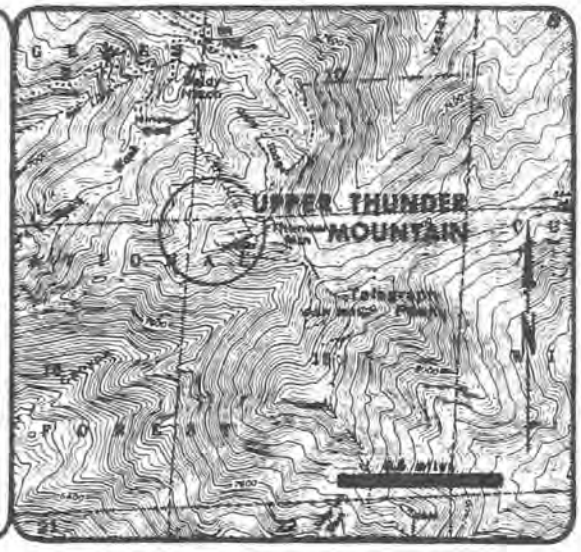
LOCATION
Just west of upper end of Thunder Mountain Chair Lift
Mt. Baldy
San Gabriel Mountains
northern exposure

ELEVATION
8500'

LENGTH OF COURSE
665'

DRAINAGE AREA
San Antonio Creek

PERIOD OF RECORD
April 1, 1955, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA – UPPER THUNDER MOUNTAIN

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1954-55	13.0	5.8	45
1955-56	23.0	7.6	33
1956-57	20.1	9.5	47
1957-58	128.0	48.0	38
1958-59	29.9	14.1	47
1959-60	8.7	3.1	36
1960-61	0	0	
1961-62	82.1	40.7	50
1962-63	19.8	8.3	42
1963-64	31.3	12.7	44
1964-65	47.3	11.5	24
1965-66	22.6	12.1	54
1966-67	52.0	17.3	33
1967-68	37.6	15.5	41
1968-69	133.4	61.5	46
1969-70	34.7	13.8	40
1970-71	53.0	27.0	51
1971-72	+	+	

\+ = PATCHES OF SNOW

BLUE RIDGE SNOW COURSE

LOCATION
1 mile north of Highway 2
10 miles west of Wrightwood
San Gabriel Mountains
southern exposure

ELEVATION
7200'

LENGTH OF COURSE
900'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1959 to date

SUMMARY OF ANNUAL SNOW SURVEY DATA - BLUE RIDGE

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1958-59	2.4	1.1	46
1959-60	0	0	
1960-61	0	0	
1961-62	17.9	8.6	48
1962-63	+	+	
1963-64	6.9	2.5	36
1964-65	20	5.5	28
1965-66	1.1	0.4	36
1966-67	13.7	3.8	28
1967-68	0	0	
1968-69	29.4	14.8	50
1969-70	3.2	1.1	34
1970-71	1.1	0.6	55
1971-72	0	0	

\+ = PATCHES OF SNOW

ISLIP NO. 2 SNOW COURSE

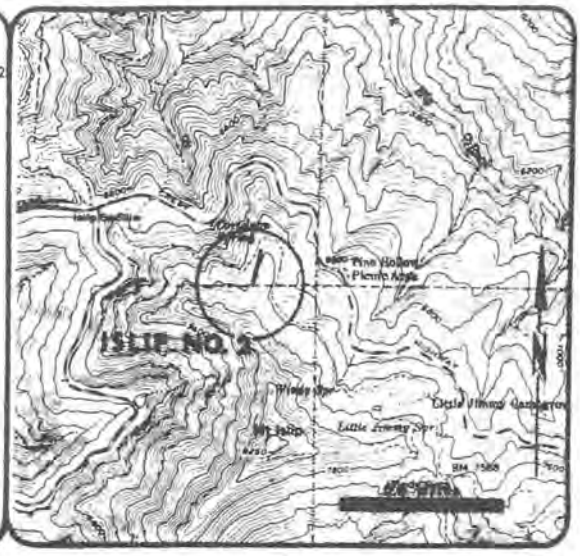
LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7400'

LENGTH OF COURSE
630'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1944, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 2

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1943-44	84.7	40.7	48
1944-45	24.8	10.9	44
1945-46	35.2	17.3	49
1946-47	+	+	
1947-48	21.3	8.8	41
1948-49	47.1	21.5	46
1949-50	+	+	
1950-51	0.7	0.3	43
1951-52	84.0	42.0	50
1952-53	6.7	3.6	54
1953-54	32.1	14.6	45
1954-55	12.5	6.2	50
1955-56	18.1	7.1	39
1956-57	0.6	0.3	50
1957-58	75.7	37.1	49
1958-59	6.8	3.6	53
1959-60	0	0	
1960-61	0	0	
1961-62	56.4	30.7	54
1962-63	5.2	2.2	42
1963-64	16.3	6.6	40
1964-65	41.6	11.1	27
1965-66	0	0	
1966-67	29.8	12.4	42
1967-68	3.9	1.6	41
1968-69	58.0	30.4	52
1969-70	19.7	11.3	57
1970-71	7.2	3.3	46
1971-72	0	0	

ISLIP NO 3
SNOW COURSE

LOCATION
0.50 mile southwest of Highway 2
6 miles east of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7600'

LENGTH OF COURSE
654'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1945, to date

SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 3

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1944-45	38.7	12.2	32
1945-46	49.6	20.9	42
1946-47	26.8	13.1	49
1947-48	44.5	16.3	37
1948-49	59.2	27.1	46
1949-50	4.8	2.1	44
1950-51	7.0	2.6	37
1951-52	110.5	50.5	46
1952-53	24.3	11.7	48
1953-54	57.9	22.7	39
1954-55	31.0	15.4	50
1955-56	22.8	8.1	36
1956-57	4.1	1.8	44
1957-58	89.1	44.6	50
1958-59	23.7	11.0	46
1959-60	3.7	1.2	32
1960-61	0.8	0.6	75
1961-62	71.7	33.7	47
1962-63	11.5	4.8	42
1963-64	29.2	10.4	36
1964-65	45.4	11.4	25
1965-66	11.3	4.6	41
1966-67	54.6	25.3	46
1967-68	21.8	9.3	43
1968-69	78.3	35.6	45
1969-70	35.4	15.6	44
1970-71	27.0	11.0	41
1971-72	1.4	0.6	43

ISLIP NO. 4
SNOW COURSE

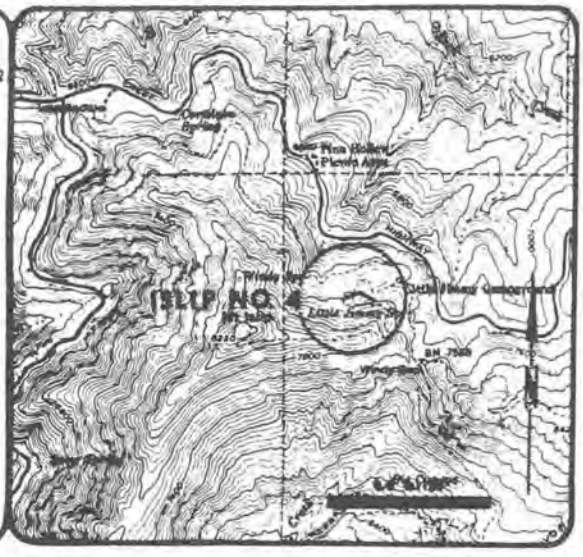
LOCATION
0.50 mile southwest of Highway 2
6.5 miles east of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7570'

LENGTH OF COURSE
635'

DRAINAGE AREA
Big Rock Creek

PERIOD OF RECORD
April 1, 1950, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - ISLIP NO 4

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1949-50	10.0	4.9	49
1950-51	11.3	4.2	37
1951-52	114.9	54.9	48
1952-53	26.7	12.9	48
1953-54	66.7	29.3	44
1954-55	37.1	18.6	50
1955-56	20.9	6.2	30
1956-57	13.7	6.7	49
1957-58	99.8	53.5	54
1958-59	23.2	11.6	50
1959-60	4.1	1.8	44
1960-61	2.6	1.9	73
1961-62	75.6	37.6	50
1962-63	12.0	5.6	47
1963-64	38.1	14.7	39
1964-65	45.9	12.9	28
1965-66	11.5	5.0	43
1966-67	67.7	29.1	43
1967-68	34.1	14.3	42
1968-69	87.4	45.1	52
1969-70	26.7	14.0	52
1970-71	27.0	13.0	48
1971-72	0	0	

SQW CAMP SNOW COURSE

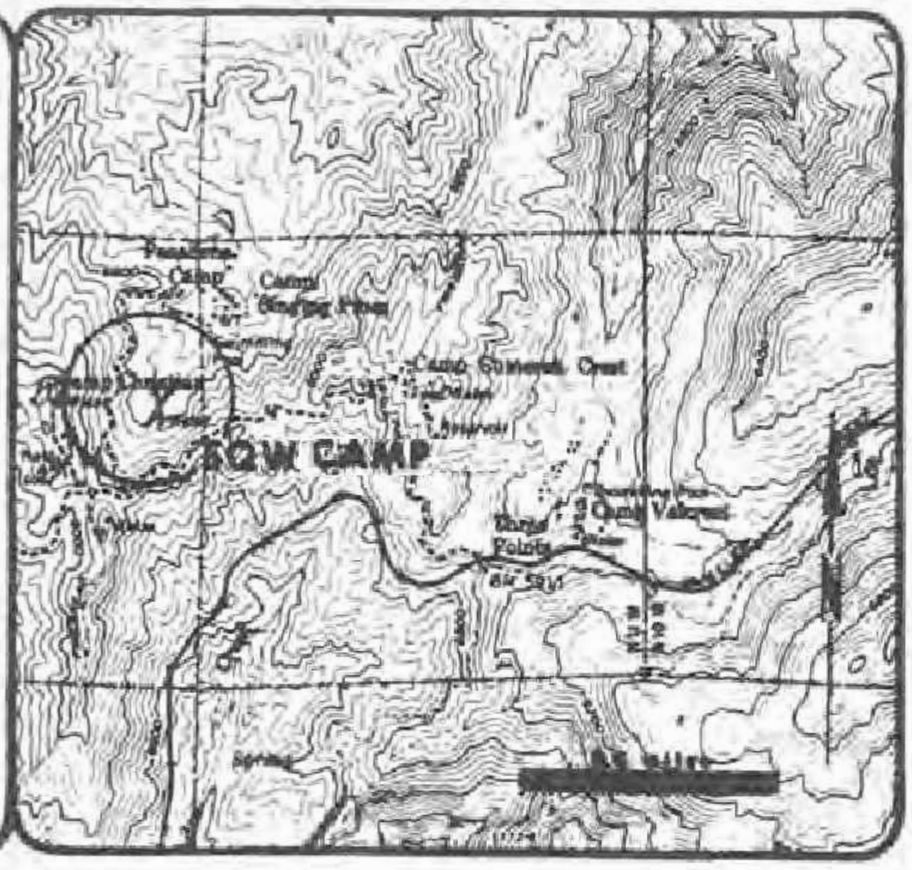
LOCATION
1 mile north of Highway 2
.5 miles east of Mt. Wilson Road
San Gabriel Mountains
northern exposure

ELEVATION
5800'

LENGTH OF COURSE
596'

DRAINAGE AREA
Little Rock Creek

PERIOD OF RECORD
April 1, 1948
April 1, 1954, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - SQW CAMP

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1953-54	+	+	
1954-55	0	0	
1955-56	+	+	
1956-57	0	0	
1957-58	0	0	
1958-59	0	0	
1959-60	0	0	
1960-61	0	0	
1961-62	0	0	
1962-63	+	+	
1963-64	+	+	
1964-65	16.6	4.9	30
1965-66	0	0	
1966-67	5.4	1.7	31
1967-68	0	0	
1968-69	1.2	1.4	117
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	

+ = PATCHES OF SNOW

CEDAR SPRINGS SNOW COURSE

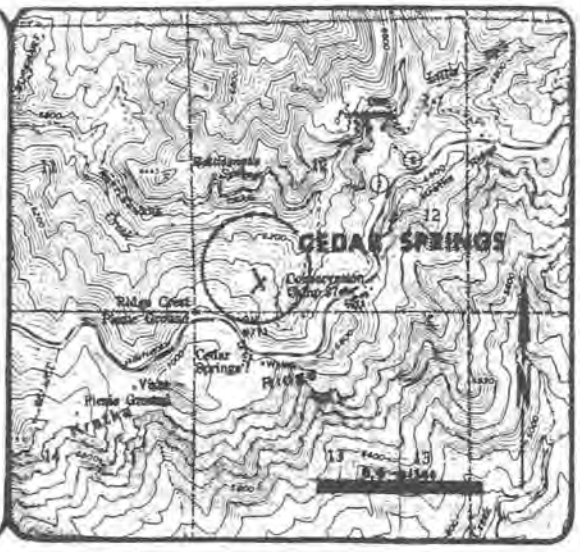
LOCATION
0.25 mile north of Highway 2
5 miles west of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
6500'

LENGTH OF COURSE
975'

DRAINAGE AREA
Little Rock Creek

PERIOD OF RECORD
April 1, 1948
April 1, 1954, to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - CEDAR SPRINGS

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1947-48	20.8	7.6	38
1948-49	NO RECORD		
1949-50	NO RECORD		
1950-51	NO RECORD		
1951-52	NO RECORD		
1952-53	NO RECORD		
1953-54	27.8	12.7	46
1954-55	14.0	7.0	50
1955-56	13.6	6.1	45
1956-57	0	0	
1957-58	40.5	18.8	46
1958-59	4.2	2.0	48
1959-60	0	0	
1960-61	0	0	
1961-62	26.2	12.2	47
1962-63	2.7	1.0	37
1963-64	14.4	5.9	41
1964-65	36.6	9.7	26
1965-66	0	0	
1966-67	37.9	12.7	34
1967-68	0	0	
1968-69	32.5	15.4	47
1969-70	0	0	
1970-71	1.8	0.8	44
1971-72	0	0	

BUCKHORN SNOW COURSE

LOCATION
0.25 mile south of Highway 2
3 miles west of Highway 39
San Gabriel Mountains
northern exposure

ELEVATION
7100'

LENGTH OF COURSE
951'

DRAINAGE AREA
Little Rock Creek

PERIOD OF RECORD
April 1, 1948
April 1, 1954, to date

SUMMARY OF ANNUAL SNOW SURVEY DATA - BUCKHORN

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1947-48	12.8	5.1	40
1948-49	NO RECORD		
1949-50	NO RECORD		
1950-51	NO RECORD		
1951-52	NO RECORD		
1952-53	NO RECORD		
1953-54	25.6	12.1	47
1954-55	8.0	4.2	52
1955-56	11.6	5.7	49
1956-57	0	0	
1957-58	69.3	23.5	34
1958-59	2.0	0.9	45
1959-60	0	0	
1960-61	0	0	
1961-62	24.6	12.7	52
1962-63	2.8	0.9	32
1963-64	14.8	5.3	36
1964-65	37.3	12.0	32
1965-66	0	0	
1966-67	27.5	8.8	32
1967-68	0	0	
1968-69	41.6	21.4	51
1969-70	9.9	5.0	50
1970-71	6.8	2.6	38
1971-72	0	0	

DEER FLATS
SNOW COURSE

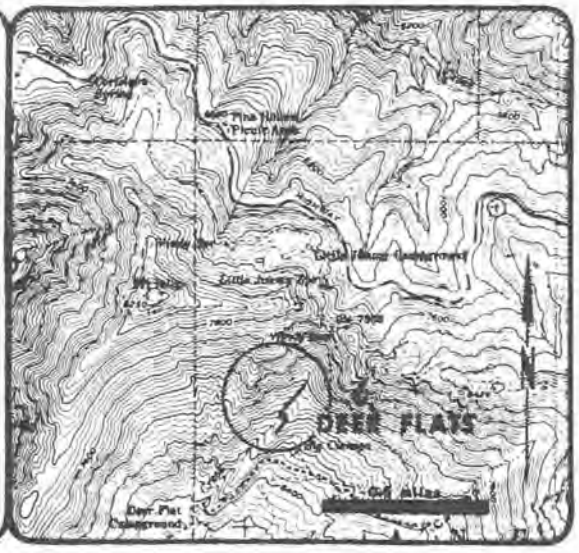
LOCATION
2 miles northeast of
Crystal Lake Ranger Station
San Gabriel Mountains
southern exposure

ELEVATION
6800'

LENGTH OF COURSE
880'

DRAINAGE AREA
San Gabriel River

PERIOD OF RECORD
1963 to date



SUMMARY OF ANNUAL SNOW SURVEY DATA - DEER FLATS

SEASON	AVERAGE SNOW DEPTH (IN INCHES)	AVERAGE WATER CONTENT (IN INCHES)	DENSITY (PERCENT)
1962-63	0	0	
1963-64	10.6	4.9	46
1964-65	31.3	8.5	27
1965-66	0	0	
1966-67	12.9	4.1	32
1967-68	0	0	
1968-69	13.9	6.0	43
1969-70	0	0	
1970-71	0	0	
1971-72	0	0	

EVAPORATION

Data for 24 active evaporation stations were reported to the District during the 1969-70 through 1971-72 seasons. Daily records of active and inactive District stations, as well as some stations of other agencies, are available in the District's files. Monthly and seasonal evaporation has been published in the District's Annual or Biennial Reports on Hydrologic Data since the 1931-32 season. Evaporation is normally measured at 5 p.m. to be consistent with rainfall measurements.

SUMMARY OF EVAPORATION

The following tabulation indicates the maximum and minimum rates of evaporation in inches at stations within the County for the Seasons 1969-70 through 1971-72. For comparative purposes, only the evaporation amounts from a 24-inch diameter land evaporation pan equipped with a screen were used.

1969-70

Maximum Seasonal Amount	-	Chatsworth Reservoir		91.94"
Maximum Monthly Amount	-	Palmdale	July	13.48"
Minimum Seasonal Amount	-	Big Dalton Dam		50.69"
Minimum Monthly Amount	-	Baldwin Park Experimental Station	January	1.09"

1970-71

Maximum Seasonal Amount	-	Palmdale		83.76"
Maximum Monthly Amount	-	Palmdale	July	12.98"
Minimum Seasonal Amount	-	Baldwin Park Experimental Station		49.13"*
Minimum Monthly Amount	-	South Coast Botanic Gardens	December	0.98"

1971-72

Maximum Seasonal Amount	-	Fairmont		106.46"
Maximum Monthly Amount	-	Fairmont	July	18.94"
Minimum Seasonal Amount	-	South Coast Botanic Gardens		47.89"
Minimum Monthly Amount	-	South Coast Botanic Gardens	January	1.42"

*Total includes less than 10 per cent estimated amounts.

COOPERATION

The District receives evaporation data from the Los Angeles City Department of Water and Power, The Metropolitan Water District, the Southern California Edison Company, the United States Forest Service, County Departments, and various individuals.

LENGTH OF RECORD

The first land pan installed by this District was at Santa Anita Dam in March of 1929. There are 30 evaporation stations which have records of 15 seasons or more in the District's files.

EQUIPMENT

The District recognizes the evaporation values collected from the screened land pan, Type L-24S, as standard. A coefficient of 0.98 was established for this type of equipment in the Lake Elsinore and Fullerton studies. No corrections have been made to the published data.

1. Land pan, Type L-24

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

2. Land pan, Type L-24S

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

3. Land pan, Type L-48A

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

4. Land pan, Type L-72

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

5. Land pan, Type L-36

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

6. Floating pan, Type F-36

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


ACTIVE EVAPORATION
STATIONS

MONTHLY EVAPORATION SUMMARY
STATION NO. 23
CHATSWORTH RESERVOIR
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	7.46	5.24	3.89	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	8.05	8.30	10.22	9.52	6.92	84.99
1933-34	6.69	8.12	2.50	5.46	2.56	5.48	7.92	9.40	6.68	10.42	9.55	8.68	83.46
1934-35	6.30	3.84	3.73	3.18	4.32	2.84	3.67	4.90	7.02	10.20	9.85	8.12	67.97
1935-36	7.69	4.86	4.58	4.98	2.17	4.74	5.14	8.42	9.54	10.62	10.17	8.46	81.37
1936-37	6.10	6.70	3.46	2.74	2.44	4.28	6.12	5.51	6.96	10.10	9.75	8.88	73.06
1937-38	6.42	3.88	5.26	5.87	2.62	4.54	5.78	7.68	7.94	9.60	9.72	8.96	78.27
1938-39	6.64	7.48	4.20	3.46	3.83	3.18	5.04	7.12	8.90	10.22	9.94A	8.38	78.39
1939-40	7.47	3.64	3.42	1.96	2.67	3.70	4.68	7.59	8.20	11.35	10.12	7.68	72.48
1940-41	6.24	5.73	3.08	1.76	1.82	2.90	3.46	7.25	6.92	9.02	7.53	6.75	62.26
1941-42	5.61	4.38	2.48	3.28	3.20	5.16	3.46	6.62	7.75	10.55	9.08	6.96	68.55
1942-43	5.73	4.96	3.39	3.28	3.82	2.56	3.92	6.76	7.80	9.15	9.05	7.62	68.54
1943-44	5.60	5.39	4.34	3.80	2.96	5.72	5.10	5.22	6.08	7.98	9.80	7.15	68.74
1944-45	5.14	3.48	3.46	3.05	2.84	3.08	5.73	6.58	6.18	9.28	10.02	7.56	66.40
1945-46	4.86	4.38	2.34	4.26	2.85	3.40	3.95	4.35	7.85	8.95	8.80	7.58	63.57
1946-47	5.10	2.89	1.74	2.86	1.55	3.11	4.82	5.30	5.80	9.32	8.10	6.75	57.34
1947-48	4.39	4.58	3.48	4.35	3.24	3.72	4.28	6.08	6.10	8.00	7.65	7.42	63.29
1948-49	4.48	5.88	2.16	2.69	1.98	2.70	4.95	5.54	7.33	7.72	8.25	7.42	61.10
1949-50	5.52	4.20	3.06	1.78	1.78	3.35	4.72	5.48	6.70	8.10	7.92	5.08	57.69
1950-51	4.64	4.57	3.35	2.26	2.15	5.30	3.20	5.45	5.65	7.58	7.22	5.95	57.32
1951-52	5.14	3.60	2.42	1.86	3.13	2.92	2.75	5.53	5.55	7.55	7.30	6.45	54.24
1952-53	3.80	2.89	1.94	2.70	4.90	3.75	3.50	6.04	5.52	7.78	6.80	5.52	54.94
1953-54	5.60	3.25	5.80	1.78	4.39	2.63	3.00	4.64	5.76	7.71	6.40	5.64	56.60
1954-55	4.59	3.65	3.78	2.18	3.55	4.70	5.84	3.77	5.06	6.72	7.48	6.38	57.70
1955-56	3.92	3.31	1.52	1.18	2.33	4.88	2.66	4.09	5.69	6.51	6.30	6.20	48.59
1956-57	3.72	7.50	6.53	2.14	1.44	3.23	3.29	4.06	6.02	7.50	6.96	5.56	57.95
1957-58	3.12	3.18	4.30	3.07	1.87	2.20	2.80	4.54	5.76	6.49	6.53	6.95	50.81
1958-59	5.00	3.85	3.74	2.34	1.92	4.62	4.38	5.20	6.30	7.93	7.22	5.14	57.64
1959-60	5.06	6.18	4.20	1.80	2.52	3.15	5.16	5.78	6.92	8.32	7.51	6.46	62.56
1960-61	4.58	2.62	3.74	4.49	4.04	3.82	4.89	5.42	6.08	7.50	6.82	5.44	59.44
1961-62	4.76	3.56	2.09	3.35	1.54	1.99	4.24	4.46	4.92	6.66	7.35	5.63	50.55
1962-63	3.66	2.71	2.70	2.44	2.20	3.48	3.36	4.02	4.35	6.96	6.66	5.45	48.01
1963-64	3.94	3.13	3.50	3.18	4.53	3.84	3.96	5.35	5.66	8.19	7.20	5.78	58.26
1964-65	4.83	2.95	3.17	2.15	2.46	2.83	3.70	4.96	4.99	7.21	7.64	5.22	52.13
1965-66	5.38	3.33	1.78	2.46	2.15	3.48	3.82	4.84	6.56	12.80	9.86	6.05	63.53
1966-67	5.63	2.02	2.50	2.67	2.94	2.31	3.67	6.40	6.04	8.89	10.23	6.88	60.03
1967-68	9.01	3.60	5.59	4.75	2.46	5.61	6.76	7.62	7.50	9.54	8.94	8.40	79.78
1968-69	5.79	6.12	3.89	2.56	1.82	5.22	6.15	5.92	5.80	9.65	10.94	8.34	72.20
1969-70	8.34	7.48	4.38	3.88	2.52	8.16	7.52	8.70	8.22	10.68	10.80	11.26	91.94
1970-71	6.96	5.58	3.08	4.05	4.23	6.12	5.72	6.34	7.18	9.62	10.66	8.80	78.30
1971-72	7.86	4.93	5.38	5.28	4.25	6.23	6.99	7.54	7.96	11.26	9.74	7.22	84.68

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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 33A
PACOIMA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	6.07	7.10	4.46	2.72	2.98	7.61	6.50	5.18	6.85	9.54	8.58	8.64	76.23
1931-32	7.28	5.93	2.51	2.33	1.92	5.44	6.56	5.28	7.82	9.28	9.04	7.83	71.22
1932-33	7.29	7.81	3.36	3.42	4.32	5.64	4.94	5.72	6.21	9.12	8.10	6.74	72.67
1933-34	6.90	7.28	3.46	4.62	2.79	4.99	6.02	6.27	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	53.89
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#	3.94	3.82	4.50	3.92	4.85	7.17	6.58	6.99A	55.40
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	4.84	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	6.54	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	5.76	4.51	4.73	4.02	2.80	3.66	6.38	6.80	7.26	6.91	7.27	65.61
1943-44	5.30	5.92	3.42	3.96	2.35	5.02	4.11	4.24	4.22	6.28	7.08	4.65	56.56
1944-45	4.55	2.97	3.98	3.11	2.64	3.16	4.30	4.58	3.32	5.64	7.56	8.30	54.11
1945-46	5.98	6.17	4.71	6.67	4.30	4.90	4.94	4.00	7.79	9.20	9.50	9.00	77.16
1946-47	6.87	4.34	4.33	5.58	3.90	4.36	5.16	5.40	5.21	10.24	8.12	7.98	71.49
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	3.60	3.22	3.36	5.21	5.10	6.33	6.96	8.51	8.97	70.32
1949-50	7.31	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	8.46	9.12	7.90	75.88
1953-54	8.60	6.19	8.00	3.64**	5.64	3.54	3.52	4.11	4.85	7.60	7.08	8.40	71.17**
1954-55	6.90	6.54	5.80	3.40	4.80	5.26	6.26	4.26	5.08	7.05	8.96	9.08	73.41
1955-56	5.98	5.20	2.80	2.98	3.39	6.00	3.45	4.42	6.95	7.18	7.38	9.28	64.91
1956-57	5.06	8.58	6.90	3.38	2.48	4.26	4.09	3.92	6.55	8.80	8.50	6.95	69.41
1957-58	4.55	4.74	5.38	4.90	2.64	2.90	5.76	6.00	6.50	7.38	6.36	8.98	66.11
1958-59	7.62	5.66	6.20	4.40	3.20	6.20	5.12	4.97	6.08	7.02	6.60	5.22	68.25
1959-60	6.26	6.95	5.64	3.11	3.50	4.36	6.12	6.38	6.42	8.29	6.58	7.70	71.31
1960-61	6.32	4.57	5.46	6.46	4.83	4.60	5.26	4.92	5.82	6.54	6.40	6.54	68.12
1961-62	6.45	4.80	4.05	5.46	2.74	3.50	6.28	5.34	5.62	7.28	7.88	6.70	66.59
1962-63	5.20	4.28*	5.07	4.37	5.17	5.05	4.70	3.80	4.11	7.81	8.36	8.08	66.00**
1963-64	5.42	5.12	6.76	6.02	6.58	6.08	5.44	5.54	6.00	9.12	8.48	7.62	78.18
1964-65	7.50	5.24	3.81	4.70	4.90	4.16	5.14	5.92	4.74	8.50	7.90	6.36	68.87
1965-66	8.78	4.69**	4.02**	5.30	4.20	5.51	6.30	4.76	6.63	9.25	8.08	7.76	75.28**
1966-67	7.52	4.29**	4.68**	4.86**	6.00	4.19**	3.31	5.74	5.25	7.70	8.88	6.06	68.50**
1967-68	9.49	5.19	4.79	4.86	3.21	5.85	6.38	6.00	6.18	7.73	7.45	7.21	74.34
1968-69	6.45	5.86	4.40	2.45	N.R.	N.R.	N.R.	N.R.	N.I.	N.I.	N.I.	N.I.	INC.
1969-70	N.I.	INC.	5.23	4.71	5.67	5.84	6.64	7.18	6.50	8.76	8.62	10.58	INC.
1970-71	7.62	5.56	3.86	4.87	4.85	6.01	6.01	4.86	5.62	8.32	9.40	8.27	75.27
1971-72	8.06	5.54	4.19	5.20	5.16	6.30	6.94	6.60	6.64	10.15	8.58	7.08	80.44

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
N.R. = NO RECORD
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 460
BIG TUJUNGA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.00	3.30	.52	.48	.68	5.42	5.95	6.22	8.02	10.60	9.98	8.68	65.85
1932-33	7.08	6.40	2.68	2.12	3.90	5.38	4.94	5.85	8.48	10.85	9.32	7.88	74.87
1933-34	6.78	5.22	1.80	3.12	2.40	5.20	6.45	7.58	6.08	9.28	8.72	6.94	69.56
1934-35	5.32	2.83	1.90	1.58	2.35	2.45	2.95	4.50	6.95	8.00	7.50	7.00	53.33
1935-36	5.68	2.98	2.58	2.45	1.25	4.02	4.35	6.90	7.65	8.80	9.25	7.58	63.48
1936-37	5.18	3.68	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	2.06	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	1.06	2.24	2.52	6.72	7.39	10.25	10.55	9.80	63.85
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	6.76	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	5.08	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	14.18	11.12	9.87	81.96**
1947-48	7.48	6.20	4.13	5.70	3.65	3.98	4.88	6.98	7.50	12.28	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	95.26
1951-52	9.18	5.08	3.14	2.27	4.34	3.09	4.92	9.12	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**
1953-54	9.02	5.65	6.27	3.28**	5.42	3.70	5.96	7.62	9.02	12.38	10.55	11.60	90.47**
1954-55	9.20	6.35	4.43	3.09	4.26	5.38	7.07	8.16	8.55	10.72	12.16	11.72	89.09
1955-56	8.75	5.20	2.60	3.14	3.50	6.92	4.44	5.92	8.75	11.25	11.75	12.03	84.25
1956-57	6.50	8.52	6.68	2.34	2.58	4.14	4.98	4.62	9.82	12.70	11.88	10.02	84.78
1957-58	4.94	4.31	4.02*	4.37	2.43	2.21**	5.19	7.00	7.82	10.48	10.66	10.26**	73.69**
1958-59	8.48	5.54	5.80	3.88	2.88	6.58	5.92	5.82	8.72	10.06	10.05	7.66	81.37
1959-60	7.58	6.85	4.96	2.84	3.48	5.03	6.94	7.14	10.28	11.30	10.80	9.85	87.05
1960-61	7.23	4.15	4.92	5.08	4.34	4.88	6.24	6.35	8.82	9.28	10.16	8.75	80.20
1961-62	8.10	5.28	3.28	4.98	2.32	3.46	6.92	6.18	8.07	10.62	11.68	9.34	80.23
1962-63	7.02	5.32	4.88	3.77	4.29	4.86	4.52	5.25	5.62	11.03	10.38	8.73	75.67
1963-64	5.94	4.66	5.12	4.47	5.51	5.02	4.83	6.16	7.90	11.48	10.82	9.78	81.69
1964-65	8.12	4.46**	3.61	3.71**	4.38	4.10	4.54**	6.54	5.64	9.91	10.43	7.71	73.15**
1965-66	8.66	4.17**	2.96	3.78	3.42	5.43	6.40	6.30	8.20	10.65	10.33	8.50	78.82**
1966-67	7.26	3.82**	3.32**	4.00	4.61	3.86**	2.66	5.77	5.83	9.90	10.70	7.47	69.22**
1967-68	9.83	4.69	3.90	3.55	2.89	5.30	6.12	6.62	8.68	9.70	9.22	8.85	79.35
1968-69	6.59	5.29	3.58	2.39	1.66	4.36	5.50	6.60	5.48	8.36	11.78	8.30	69.89
1969-70	7.52	5.45	3.83	3.38	4.04**	4.66	5.65	7.22	8.14	12.95	11.22	10.80	84.86
1970-71	7.34	5.48	2.50	4.26	4.88	5.97	INC.	INC.	INC.	INC.	INC.	INC.	INC.
1971-72	INC.	5.72	3.82	7.08	4.80	7.17	6.84	7.76	9.08	12.26	4.58	7.85	INC.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
INC. = RECORD INCOMPLETE
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 24 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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 578
OPID'S (CAMP HI HILL)
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	2.14	1.38A	1.78#	. #	. #	1.82	3.31	4.30	5.37	7.94	7.68	5.45	41.17#
1932-33	3.06	2.02	.26#	. #	. #	.01#	2.46	3.46	4.96	6.92	6.72	5.10	34.97#
1933-34	2.98	.86	.10#	2.05#	2.70#	.92	3.81	5.26	5.22	6.84	6.50	2.24	39.49
1934-35	1.71	1.20	.24#	.02#	.12#	.28#	1.82	2.62	4.48	5.58	5.32	4.20	27.59#
1935-36	5.56	2.19	.70#	1.28#	.62#	2.05#	2.46#	5.48	6.05	8.05	7.31	6.20	48.15#
1936-37	3.89	2.29	.66#	. #	. #	1.32	2.95	6.04	8.34	10.46	11.21	7.91	55.27#
1937-38	4.94	1.90	1.30#	.98#	.24#	1.05#	3.12	5.14	7.19	8.83	8.08	5.45	48.26#
1938-39	2.25	1.84	.94	.24#	. #	.76#	4.28	5.74	7.68	8.00	8.04A	3.84	43.03#
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	5.96	7.40	5.96	3.98	35.45#
1941-42	3.21	.29	.12#	.34#	.24#	1.38	.78	4.79	6.60	8.56	6.78	5.86	38.95#
1942-43	2.22	.57	.40	.14#	.12#	.86	2.40	5.28	6.20	8.22	7.93	6.02**	40.36#**
1943-44	3.08	1.68	.26#	.22#	.03#	1.52#	3.44	5.27	5.07	6.72	7.81	5.77	43.87#
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	.83A	.42#	.32#	.18#	1.20#	3.52	4.20**	7.30**	8.70	9.20	4.72	43.20#**
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#	. #	. #	.85#	3.94	4.42	5.92	7.71	7.73	6.78	42.06#
1949-50	3.57	1.66	.20#	. #	.40#	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	.90A	. #	. #	.30#	.25#	2.39	6.58	5.82	8.06	9.32	5.28	42.56#
1952-53	3.64	.56A	.07#	.57#	.70#	1.44#	2.62**	4.34**	5.95	9.30	8.12	6.73	44.04#**
1953-54	3.64	.96	1.40#	1.40#	1.40#**	.92#	3.64	5.44**	6.50	8.33	7.36	5.80	46.43#**
1954-55	3.74	1.04	.40#	. #	. #	1.08#	3.50	3.86	6.55	7.26	8.30	7.80	43.53#
1955-56	4.60	1.39	.12#	.22#	.10#	2.67#	1.02#	4.20	7.58	8.13	7.60	6.15	43.78#
1956-57	2.32	2.12	2.42	.08#	.73**	1.58**	2.80	3.10**	6.40	6.30	6.75	4.68	41.28#**
1957-58	2.10*	1.20*	.90*	.62#	. #	. #	2.90*	4.80*	6.38	7.22	7.85	6.52	40.49#*
1958-59	3.25**	1.02#	1.42	.83*	.15#	2.35	3.42**	4.20	6.85	8.15	7.64	4.38	43.66
1959-60	3.15	2.06	.89#	INC. #	INC. #	2.00**	3.93*	4.30	7.60	7.72	7.35	5.22	INC.
1960-61	2.80	. #	. #	1.19	1.15	1.84	3.94	4.95	7.50	8.75	7.25	5.25	44.62#
1961-62	3.26	2.06	.49#	.40#	. #	.62#a	5.00	4.23	6.30	8.38	8.58	6.25	45.57
1962-63	3.04	1.60	.98#	.70	1.47*	1.85**	2.32**	4.60	5.18	8.30	7.86	4.28	42.18**
1963-64	2.16**	1.02**	1.01	INC.#	INC.#	INC.#	2.87	4.30	6.32	8.35	7.90**	5.75	INC.
1964-65	3.33**	INC.#	INC.#	INC.#	INC.#	1.58**	INC.#	4.90	5.16	7.20	7.41	4.34	INC.
1965-66	3.58	1.41**	INC.#	INC.#	INC.#	INC.#	4.15	INC.	INC.	INC.	7.71	4.87	INC.
1966-67	2.82	.73*	INC.#	INC.#	INC.#	1.10**	INC.#	4.89	5.47	8.25	7.73	4.37	INC.#
1967-68	3.76	.89**	INC.#	INC.#	INC.#	1.88	3.53	5.16	6.60	7.19	6.19	5.40	INC.#
1968-69	2.31	1.26	INC.#	INC.#	INC.#	INC.#	3.25	4.81	5.32	6.82	7.95	5.23	INC.#
1969-70	2.76	1.43**	0.50**	0.85	INC.	1.69**	3.09	5.00	5.85	6.86	6.79	5.67	INC.
1970-71	2.64	1.20	INC.#	INC.#	INC.#	INC.#	3.21	3.24	5.02	6.90	7.05	5.47	INC.#
1971-72	2.62	8.00	INC.	INC.	INC.	2.90	3.93	5.06	6.12	8.40	6.65	4.16	INC.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
N.R. = NO RECORD
A = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 24 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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 83C
SANTA ANITA DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1929-30	5.40	5.38	4.40	1.60	2.00*	2.96	5.24	4.67	6.26	9.40	8.48	6.28	62.08**
1930-31	6.98	6.29	5.99	3.58	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	2.36	4.34	5.47	4.64	5.54	6.88	7.64	5.56	57.21
1932-33	5.93	6.60	3.49	3.54	3.41	4.81	4.42	4.37	5.50	5.99	5.36	4.15	57.57
1933-34	4.12	4.81	2.68	3.38	2.01	3.72	3.70	4.16	2.84	4.46	4.44	4.62	44.94
1934-35	6.40	4.28	4.08	3.28	4.41	3.47	3.73	4.46	6.14	9.02	9.20	7.26	65.73
1935-36	6.71	5.18	4.56	4.28	2.35	4.78	4.62	6.97	7.36	8.36	8.32	7.74	71.25
1936-37	6.09	6.34	3.94	1.99	2.38	4.04	5.26	4.68	5.24	7.90	8.08	7.55A	83.69
1937-38	6.02	3.73	4.22	3.96	2.49	3.00	3.71	4.37	4.44	6.10	7.00	7.00	56.04
1938-39	5.15	4.72	2.77	2.30	2.05	2.28	3.82	4.48	5.89	6.28	6.47	6.26	52.47
1939-40	5.87	4.74	4.06	2.06	2.48	3.72	3.31	5.00	5.06	7.88	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	2.60	5.92	6.08	5.80	5.38	50.59
1946-47	3.93	2.87	2.88	3.72	2.82	2.94	3.20	2.66	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	2.00#	1.71	2.36	3.90	3.35	4.54	4.87	5.95	5.90	45.39#
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	47.07**
1953-54	5.67	3.97	4.38	2.42**	4.36**	3.02**	2.34	2.82	3.42	5.30	4.60	5.23	47.53**
1954-55	4.44	3.77	3.49	2.60	3.38	3.44	4.18	2.54	3.58	4.26	5.15	5.84	46.47
1955-56	3.30	3.20	1.67	2.24	2.47	4.03	2.20	2.96	4.10	4.47	4.51	5.64	40.79
1956-57	3.16	5.12	4.16	2.05	1.60	2.59	2.69	2.42	3.90	5.24	5.64	3.94	42.51
1957-58	2.62	2.57	2.98	3.02	1.98	2.04**	3.46	3.62	4.15	4.76	4.06	5.36	40.62**
1958-59	4.84	4.02	4.12	3.10	2.26	4.75	3.38	3.00	3.96	5.44	4.86	3.34	47.07
1959-60	4.28	4.61	3.66	2.16	2.70	3.12	4.05**	4.02	4.00	5.62	4.77	4.94	47.93**
1960-61	4.12	3.13	4.16	4.58	3.60	3.25	3.92	3.38	3.87	5.14	4.86	4.38	48.37
1961-62	4.74	3.87**	2.98**	3.84	1.97	2.36	3.58	3.06	2.88	4.54	5.13	4.34	43.09
1962-63	3.34	4.24	3.04	2.58	2.50**	2.86**	2.53	2.40	3.46	7.98	7.79	7.62	49.32**
1963-64	5.45	4.20	5.78	4.36**	5.62	4.42**	4.52**	4.88	4.96	8.15	7.46	7.50	67.30**
1964-65	6.84	4.39**	2.91**	3.70**	4.02**	3.43**	3.77**	4.62	3.27	7.15	7.48	5.88**	57.46**
1965-66	6.56	3.86**	3.50**	4.26	3.54**	4.45	5.21	3.96	6.08	8.01	7.06	6.42	64.93**
1966-67	6.49	4.04**	3.70	3.45	4.06	3.84	2.72	5.42	4.52	7.61**	8.75	5.93	60.53**
1967-68	9.01	5.15	4.19	4.91	3.47	5.93	5.81	4.23	5.36	7.83	7.51	7.80	71.20
1968-69	5.20	4.52	3.81	2.84	2.13	4.06	4.14	4.16	2.64	6.20	7.23	5.72	52.65
1969-70	5.76	5.61	4.14	2.66	4.38	4.21	4.81	4.72	3.96	6.14	6.76	7.06	60.26
1970-71	4.86	4.40	2.76	4.15	3.80	3.72	3.97	3.70	4.14	6.05	6.95	6.00	54.52
1971-72	6.44	3.58	2.68	3.40	3.48	3.58	4.77	4.66	4.44	7.28	6.46	5.23	56.00

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** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 89B
SAN DIMAS DAM
36" DIAMETER FLOATING PAN

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1934-35	7.28	2.98	1.68	.84	.58	.65	.84	1.25	2.78	3.02	4.87	5.39	31.78
1935-36	5.22	3.23	1.94	1.86	.78	2.63	2.62	4.42	5.31	6.26	7.26	7.01	48.54
1936-37	5.36	3.79	1.54	.34#	.90	2.04	2.80	3.27	4.75	7.71	8.46	7.72#	48.68#
1937-38	6.64	2.85	2.84	1.58	.48	.94	1.79	1.56	1.94	3.26	4.46	5.25	23.57
1938-39	3.88	4.46	1.68**	.60	.61	.60	.97	.98	1.82	5.70	4.88	3.94	30.13**
1939-40	4.64	4.26	2.64	1.34**	.90**	1.70**	1.40**	2.56	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	63.49**
1941-42	5.74	4.96	2.27	2.72	1.66	2.46	2.02	3.85	5.38	9.20	9.45	7.42	57.13
1942-43	6.20	5.40	2.82	1.80	1.20	.96	1.44	4.48	6.12	8.40	8.85	8.85	56.52
1943-44	6.02	3.70	1.52	1.35	.97**	1.02	1.40	2.85	4.36	6.28	7.35	5.50	42.32
1944-45	4.42	1.92	1.42	1.06	.66**	.45	1.92	1.85	3.52	7.65	7.82	7.20	39.91**
1945-46	4.00	1.96	.72	1.50	.80	1.32	2.20	1.22	6.38	6.45	6.85	6.55	39.75
1946-47	2.28	1.38	.86	1.50	1.60	1.41**	1.96	2.52	4.94**	8.95	7.05	6.25	40.70**
1947-48	2.16	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	3.38	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	49.61
1950-51	5.14	3.26	2.51	1.65	1.95	3.56	2.82	5.45	5.88	7.52	7.92	6.08	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	2.84	3.04	2.98	5.46	5.59	8.27	8.06	6.43	52.37**
1953-54	4.82	2.74	2.90	1.46	2.72	2.22	2.98	4.50	5.01	7.87	6.54	6.35	49.91
1954-55	4.54	2.69	1.92	1.26	2.18	3.08	4.34	3.67	5.28	6.69	7.42	7.04	50.13
1955-56	3.92	2.43	1.16	1.44	1.74	3.76	2.97	3.96	8.05	6.93	6.97	6.45**	47.78**
1956-57	3.09	3.34	2.38	1.39	1.22	2.16	2.96	3.11	5.12	7.40	7.64	5.42	45.23
1957-58	2.76	2.11	1.69	2.01	1.22**	1.64	3.20	2.75	5.60	6.60	5.80	5.95	43.33**
1958-59	4.62	2.94	2.69	1.96	1.76	3.85	3.85	4.12	5.86	7.56	6.88	4.40	50.51
1959-60	4.05	3.40	2.26	1.48	1.88	2.63	4.40	5.09	6.10	8.32	6.98	6.32	52.91
1960-61	3.92	1.38	2.06	2.34	2.26	2.68	4.30	4.66	6.18	7.74	7.18	5.56	50.53
1961-62	4.60	2.54	1.30	2.06	1.33	1.80	4.34	4.41	5.08	7.13	7.64	5.76	48.01
1962-63	3.65	2.62	2.26	1.76	2.20**	2.92**	3.66	4.00	4.08	7.47	6.99	5.75	47.38**
1963-64	3.36	2.07	2.18	1.90**	3.01	3.20	3.67**	4.61	5.00	7.96	6.82	5.66	49.46**
1964-65	4.52	2.40	1.30**	1.62	2.25	2.72	3.44	4.66	3.88	INC.	INC.	INC.	INC.
1965-66	N.R.	2.19**	1.73**	1.94	2.03	3.20	6.63	4.66	6.37	8.27	7.59	5.86	INC.
1966-67	4.60	2.22	1.58	1.73**	2.68	2.59	2.45	4.99	4.42	7.69	7.87	4.84	47.86**
1967-68	5.51	2.67**	1.89	1.75	1.61	3.49	4.34	5.03	5.92	7.57	7.05	5.90	52.73**
1968-69	3.96	2.76	1.93	1.44	1.26	2.86	3.73	4.64	3.70	7.24	6.99	5.92	46.45
1969-70	4.56	2.87	2.16	1.37	3.36	3.27	4.42	5.98	5.80	8.81	8.86	8.22	59.76
1970-71	4.50	3.02	1.38	2.02	2.56	3.44	4.17	4.46	6.47	8.96	9.14	7.14	57.26
1971-72	5.73	2.79	1.64	1.82	2.60	3.74	5.08	6.00	6.54	9.75	7.50	5.33	58.52

** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
INC. = RECORD INCOMPLETE
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 966
PUDDINGSTONE DAM
36" DIAMETER

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1929-30	7.90	7.73	5.32	2.29	2.76	3.60	4.52	4.64	6.73	11.65	10.52	7.37	75.03
1930-31	7.43	3.30	5.24	3.25	1.67	5.78	5.27	5.86	7.29	10.17	9.16	8.66	73.08
1931-32	6.04	3.74	2.32	2.24	1.60	4.20	3.47	5.50	6.65	9.42	9.30	6.70	63.18
1932-33	6.53	6.76	3.38	3.30	3.86	5.32	5.18	6.16	7.25	10.06	9.38	6.58	73.78
1933-34	6.99	7.32	4.16	4.10	2.68	4.44	4.74	8.82	6.39	9.99	9.67	8.55	77.87
1934-35	6.46	3.67	3.50	2.72	2.65	3.32	3.84	5.73	6.72	9.48	7.66	7.66	65.61
1935-36	6.66	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	7.34	6.72	3.91	2.35	2.15	3.33	5.50	5.76	7.58	10.24	9.72	8.95	73.59
1937-38	6.96	4.33	3.88	3.52	2.18	3.00	3.82	4.82	6.50	9.30	9.76	8.88	66.95
1938-39	7.41	6.34	4.26	3.00	3.37	2.98	5.02	5.85	8.58	10.12	8.64	7.64	73.21
1939-40	6.33A	4.42	3.86	2.03	2.60	3.69	3.80	4.45	4.79	7.30	8.30	6.94	58.51
1940-41	6.28	4.92	5.02	3.72	2.58	3.66	3.65	5.95	5.95	8.34	7.78	5.62	63.47
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	7.36	7.42	63.96
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	3.16	2.55	2.08	2.04	3.30	5.48	4.88	7.43	7.54	7.12	52.72
1945-46	4.36	4.12	2.92	3.34	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	2.88	3.52	3.94	4.70	8.26	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	6.34	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	6.22	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	49.42
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**
1953-54	6.04	3.98	4.34	2.36	3.86	3.30	3.33	4.98	5.70	7.58	6.40	5.67	57.56
1954-55	3.76	2.79	2.38	1.84	2.70	2.98	4.10	3.34	4.62	5.55	5.86	5.90	45.84
1955-56	3.46	3.25	1.72	1.78	1.84	3.48	2.48	3.83	5.25	5.45	5.38	5.50	43.42
1956-57	3.45	4.32	2.87	1.66	1.20	1.88	2.52	3.00	4.80	6.40	6.16	4.32	42.58
1957-58	2.82	2.08	2.21	1.96	1.41	1.82	2.71	3.73	4.97	5.43	5.04	5.04	39.22
1958-59	4.42	3.02	2.89	1.86**	1.65	3.08	2.94	3.62	4.46	6.04	5.53	3.50	43.01**
1959-60	3.90	3.80	2.96	1.85	1.74	1.88	3.15	4.00	4.58	6.06	5.34	4.82	44.08
1960-61	3.52	1.66	1.66	1.57	1.64	2.08	2.85	4.32	5.34	6.68	6.74	5.47	43.55
1961-62	4.78	3.15	2.00	2.31	1.25	2.28	4.06	4.38	4.34	6.61	7.82	5.80	48.78
1962-63	4.08	3.06	2.74	2.32	2.39**	3.34**	3.84	4.13	4.33	7.49	7.13	6.16	51.03**
1963-64	3.77	2.80	3.26	2.60**	3.44	3.80**	4.27	5.02	5.24	8.22	7.20	5.93	55.55**
1964-65	4.99	3.03	1.81**	2.21**	2.58	3.01**	3.51**	4.90	3.88	7.14	7.06	5.05	49.17**
1965-66	6.11	2.44**	2.28**	2.72**	2.31**	3.80	4.63	4.53	6.07	8.04	7.38	5.96	56.07**
1966-67	4.69	2.64**	2.89	2.57	3.37	3.25**	3.00	5.36	5.18	8.57	6.91	5.91	56.14**
1967-68	6.35	3.23**	2.75	2.78	2.02	4.36	5.30	5.94	6.86	9.22	8.78	7.44	65.03**
1968-69	5.02	3.85	2.84	1.86	1.86	3.42	3.47	5.19	4.12	8.15	9.64	6.94	57.26
1969-70	5.88	3.96	1.84	1.69	3.01	3.64	5.46	6.31	6.24	9.38	9.18	7.96	64.55
1970-71	4.66	3.06	1.82	2.24	2.50	3.52	4.99	5.11	6.80	9.65	10.16	8.05	62.56
1971-72	6.66	2.93	2.40	2.62	3.04	3.90	5.84	6.42	6.94	10.04	9.00	6.17	66.04

** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 2238
BIG DALTON DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	10.22	9.17	5.84	4.66	3.80	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	3.84	6.42	7.08	9.42	6.76	12.15	11.36	11.02	90.81
1934-35	7.02	3.77	3.52	2.87	4.16	3.25	4.42	5.72	8.30	10.45	10.42	7.82A	71.72
1935-36	6.50	4.12	3.28	2.86	1.85	4.05	4.10	7.00	8.24	9.32	9.55	8.45	64.34
1936-37	6.22	5.00	2.92	1.50	1.92	3.28	5.75	5.00	6.60	9.40	9.40	8.25	65.24
1937-38	6.98	3.80	3.22	3.40	2.65	2.12	2.65	3.45	6.08	8.95	8.80	7.53	59.66
1938-39	5.28	4.65	4.08	2.98	3.48	2.48	3.55	4.28	6.32	7.70	7.88	6.98	59.62
1939-40	4.85	3.75	2.82	1.55	2.25	3.22	2.65	5.58	6.40	9.85	8.42	6.78	58.12
1940-41	5.02	2.75	1.74	1.45	.78	1.88	2.55	5.18	5.22	8.50	6.32	5.65	47.04
1941-42	4.00	3.35	1.55	1.72	2.30	3.25	2.22	4.80	4.80	9.48	8.18	6.55	52.20
1942-43	4.72	4.46	3.83	3.34	2.80	1.73	3.20	5.37	6.12	8.88	8.30	7.96	60.73
1943-44	5.06	4.75	1.81	1.10	1.43	3.50	3.06	3.23	3.36	6.51	9.71	7.13	50.69
1944-45	3.99	.86	1.14	3.10	2.02	.64	2.88	2.63	2.91	6.78	6.81	5.01	38.77
1945-46	4.98	1.04	.74	1.30	.55	.90	1.46	1.60	6.14	8.28	8.69	6.26	41.54
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	3.76	2.96	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	1.06	2.01	2.07	2.36	5.62	5.48	7.81	7.80	6.10	48.95
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**
1953-54	4.41	2.31	2.52	1.37	2.46**	2.42	2.73	3.98	4.47	6.84	6.14	5.70	45.15**
1954-55	4.04	2.35	1.55	1.33	2.06	2.74	3.96	3.16	4.36	5.94	6.78	6.36	44.63
1955-56	3.76	2.26	1.02	1.06	1.66	3.10	2.63	3.34	5.27	6.10	6.06	5.96	42.28
1956-57	3.07	2.91	2.08	.96	1.08	1.88	2.72	2.84	4.41	6.80	7.14	5.26	41.15
1957-58	2.38	1.64	1.20	1.57	1.01	1.17	2.82	4.38	5.87	6.50	5.76	5.29	46.45
1958-59	4.12	2.48	2.48	1.66	1.44	3.56	3.64	3.75	5.44	7.26	6.54	4.08	46.45
1959-60	3.66	3.03	1.96	1.14	1.59	2.10	3.54	4.52	5.60	8.08	7.72	7.34	50.28
1960-61	5.11	2.44	3.12	3.16	3.20	3.24	5.19	5.73	7.14	9.01	8.27	6.74	62.35
1961-62	6.04	3.83**	2.02	3.06	1.30**	2.18**	5.22	5.24	5.94	4.48	9.11	7.18	55.60
1962-63	4.63	3.56	3.06	2.24	2.73**	3.25**	3.27	3.88	4.10	7.98	7.40	5.77	51.91**
1963-64	3.56	2.26	2.74	2.60**	3.76	3.50**	3.52**	4.16	5.28	8.28	7.26	6.42	53.33**
1964-65	5.15	2.85**	1.79**	1.87**	2.55	2.80	3.10**	4.43	3.78	7.24	7.54	5.17	48.27**
1965-66	5.79	2.53**	1.90**	2.56**	2.30**	3.28	4.49	4.45	5.99	8.46	7.89	5.86	55.52**
1966-67	4.94	2.20	1.65	2.02	2.89	2.27**	2.12**	4.66	4.00	7.70	7.78	4.38	46.81**
1967-68	5.93	2.95	2.39	2.19	1.74	3.46	4.72	5.08	5.08	7.42	7.07	6.12	54.95
1968-69	4.02	3.28	2.55	1.82	1.41	2.77	3.36	4.31	3.80	6.82	7.68	6.15	47.97
1969-70	4.94	3.81	2.64	1.80**	2.58**	2.70**	3.99	4.72	5.08**	7.42	7.38	6.63	50.69**
1970-71	4.10	3.14**	1.45**	2.48	2.38**	2.74**	3.68	4.10	4.45	6.32	7.00	5.98	47.83**
1971-72	5.22	2.90	1.98	2.14	2.32	2.89	4.12	4.66	4.88	7.68	6.92	4.36	49.47

** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 2370
STONE CANYON RESERVOIR
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955-56	N.I.	N.I.	N.I.	1.55*	2.11*	3.82*	3.35	4.78*	6.12	7.62	6.74	7.54	INC.
1956-57	5.64	9.10	8.28	3.98	2.52	5.71	4.10	4.61	6.78	7.89	7.88	6.30	72.79
1957-58	4.64	6.10	6.28	4.58	3.35	2.52	5.61	5.59	6.77	6.76	7.23	6.88	66.31
1958-59	7.24	5.14	5.25	3.66	3.18	5.77	4.41	5.24	5.97	8.53	8.12	5.90	68.41
1959-60	5.66	6.50	5.40	2.28	3.83	3.79	6.52	6.66	6.38	8.87	8.06	7.52	71.47
1960-61	6.16	3.75	4.80	5.38	4.80	4.42	5.16	6.20	6.09	8.86	8.86	6.92	70.40
1961-62	6.56	5.31	3.66	5.77	2.06	2.94	5.98	6.19	6.02	7.86	8.64	6.60	67.59
1962-63	4.85	4.46	3.74	3.55	3.51	5.11	3.90	4.50	4.99	8.12	7.85	6.88	61.46
1963-64	5.46	4.73	5.95	4.93	5.83	5.08	5.40	5.86	5.43	8.82	7.92	6.98	72.39
1964-65	5.86	5.04	3.48	3.56	3.97	3.43	3.98	6.10	5.53	7.69	8.23	5.93	62.80
1965-66	5.79	4.13	3.75	3.60	5.23	6.05	4.87	4.87	6.21	8.31	7.77	6.70	68.87
1966-67	7.27	3.14	5.02	4.14	4.77	3.98	2.89	6.43	5.78	7.69	8.38	5.74	65.23
1967-68	6.90	3.52	3.91	3.91	2.60	5.43	5.78	6.39	6.20	7.55	7.86	6.72	66.57
1968-69	5.34	5.39	4.31	3.50	2.83	4.88	5.54	5.54	5.10	7.12	8.07	6.25	64.87
1969-70	6.66	5.68	3.81	2.82	2.62	6.06	6.32	6.91	6.70	8.62	8.56	7.78	72.56
1970-71	5.73	4.08	2.98	3.69	4.38	4.82	5.86	5.80	5.60	7.50	8.42	7.16	66.10
1971-72	7.13	4.38	3.98	4.04	3.53	5.08	5.72	6.39	6.59	9.14	7.96	5.90	69.84

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 2920
ENCINO RESERVOIR
24" DIAMETER UNSCREENED, TO 9/30/46 AND SCREENED SUBSEQUENT TO 9/30/46

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	8.77	9.73	11.51	11.77	8.14	INC.
1932-33	7.58	7.50	3.70	4.80	5.22	7.37	7.10	9.76	9.58	11.43	10.74	8.15	92.93
1933-34	7.89	7.70	3.26	5.06	3.01	7.30	9.03	11.34	7.72	12.15	10.76	10.93	96.09
1934-35	7.60	3.96	2.48	1.85	4.63	4.37	5.74	7.26	8.98	11.95	12.02	9.66	80.50
1935-36	7.84	4.61	3.97	4.26	2.57	5.98	6.47	9.86	11.80	12.19	12.42	10.58	91.75
1936-37	6.26	6.88	3.15*	1.85	3.25	4.47	8.49	7.83	9.45	13.42	11.56	10.58	87.19**
1937-38	8.24	4.45	3.20	4.45	2.60	3.56	6.80	9.32	8.52	11.70	12.03	11.12	85.99
1938-39	8.28	6.69	4.75*	3.27*	4.02	4.43	7.80	8.35	10.46	11.92	11.73	11.31	93.01**
1939-40	8.95	5.64	4.25	2.09	2.79	5.13	7.03	9.46	9.28	13.54	11.46	9.90	89.52
1940-41	7.51	5.92	3.99	2.17*	2.25*	4.15*	4.75*	9.49	8.93	10.93	9.99	8.48	78.56
1941-42	6.81	5.52	2.86	3.18	4.08	7.04	5.59	8.84	9.26	11.93	9.88	7.61	82.60
1942-43	6.11A	4.86	3.40	3.52	3.36	3.35	5.66	8.68	9.48	10.29	10.81	9.98	79.50
1943-44	6.88	5.84	2.60	2.89	2.36	5.60	6.49	6.96	7.12	8.71	10.66	7.66	73.97
1944-45	5.64	2.90	3.47	3.46	2.90	3.24	6.60	8.19	8.66	9.55	10.89	8.82	72.32
1945-46	5.48	4.35	2.59	3.57	3.01	4.04	5.04	5.43	8.94	9.60	9.43	8.80	70.28
1946-47	5.28	2.78	1.82	3.03	2.48	3.26	5.04	5.23	5.10	8.81	7.72	6.86	57.41
1947-48	4.55	3.76	2.72	3.04	2.84	3.58	4.48	6.16	6.12	8.55	7.80	7.76	61.36
1948-49	4.62	4.53	2.32	1.68	1.98	2.92	5.15	5.68	7.60	8.46	8.85	7.70	61.49
1949-50	6.09	4.76	3.04	1.86	2.16	4.44	5.24	5.67	6.76	8.88	8.42	5.67	62.99
1950-51	6.06	4.18	3.22	2.25	2.55	4.45	4.43	6.72	6.53	8.52	8.76	6.69	64.36
1951-52	6.70	3.64	1.79	1.82	2.87	3.01	3.92	7.05	6.50	8.94	9.40	8.48	64.12
1952-53	5.10	2.83	1.82	2.24	3.74	3.94	4.46	7.29	6.56	9.74	8.90	6.84	63.46
1953-54	6.85	3.98	3.87	2.06	3.48	3.06	3.99	5.75	6.72	9.62	7.75	8.02	65.15
1954-55	5.50	3.70	2.69	1.74	2.70	3.93	.18	4.86	6.16	7.74	9.16	8.73	63.11
1955-56	4.92	3.55	1.55	1.48	2.39	5.05	3.58	5.10	6.90	8.46	8.25	8.62	59.85
1956-57	4.56	5.12	4.06	1.60	1.80	4.02	4.35	5.42	7.58	9.31	8.95	6.98	63.75
1957-58	3.90	3.00	2.53	2.54	2.10	2.16	4.54	6.58	7.86	8.59	7.70	8.60	59.90
1958-59	6.10	4.10	3.66	2.91*	2.10	5.30	5.88	6.68	7.56	9.50	9.19	6.30	69.06**
1959-60	6.05	5.33	3.47	1.82	2.81	4.10	6.64	7.53	7.57	10.06	9.16	INC.	INC.
1960-61	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
1961-62	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	7.46	65.34*
1962-63	4.50*	4.35*	3.60	3.42	3.32	5.27	4.89	5.04	5.94	8.81	8.68	7.42	74.77
1963-64	5.60	3.86	4.59	4.63	5.49	5.40	5.78	6.44	6.72	9.88	8.96	6.97	65.44
1964-65	6.22	4.14	2.79	2.93	3.97	3.73	4.21	7.00	6.14	8.61	8.73	7.31	71.28
1965-66	6.94	4.27	2.67	3.54	2.91	4.74	6.24	6.00	7.71	9.84	9.11	6.72	66.99
1966-67	6.57	3.12	3.05	3.43	4.11	4.04	4.39	6.75	6.37	9.00	9.44	8.05	72.60
1967-68	7.21	3.67	3.21	3.13	2.48	5.13	6.68	7.17	7.66	9.30	8.91	7.58	68.35
1968-69	5.42	4.99	3.27	2.52	1.92	4.48	6.52	6.00	5.96	8.87	10.82	8.99	78.21
1969-70	7.01	4.74	3.29	2.54	2.06	6.58	7.07	7.70	7.90	10.15	10.13	7.98	72.30
1970-71	6.02	4.78	2.60	2.82	4.00	5.16	5.88	6.51	7.03	9.38	10.14	7.98	71.06
1971-72	6.62	3.85	3.52	3.20	3.48	5.29	6.07	7.12	6.97	9.71	8.54	8.49	

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE
4 = PREVIOUS TO THIS DATE, PAN WAS SET IN GROUND 24 INCHES AND WATER SURFACE MAINTAINED AT GROUND LEVEL 12 INCHES BELOW TOP OF PAN. AFTER THIS DATE, PAN WAS SET IN GROUND 33 INCHES AND WATER LEVEL MAINTAINED AT GROUND LEVEL 13 INCHES BELOW TOP OF PAN. THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 293
VAN NORMAN LAKE
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1952-53	N.I.	N.I.	N.I.	N.I.	6.98	5.24	4.63	8.04	6.79	9.60	8.90	7.38	INC.
1953-54	8.34	6.86	9.28	4.27	8.04	4.40	4.70	5.74	6.59	9.95	8.20	8.44	84.81
1954-55	7.07	8.26	6.87	4.26	6.14	6.02	7.52	4.99	6.72	8.00	9.51	8.95	84.31
1955-56	6.32	6.50	2.91	3.00	3.78	7.62	4.22	5.86	6.96	8.73	8.07	8.96	72.93
1956-57	5.68	11.54	9.89	3.31	2.61	5.84	4.64	5.11	8.22	9.92	9.38	7.30	83.44
1957-58	5.40	6.18	6.80	6.12	1.96	2.87	7.18	6.89	7.32	8.57	8.23	10.50	78.02
1958-59	8.54	7.14	8.32	5.76	3.04	8.43	6.40	7.13	7.52	9.47	8.78	6.60	87.13
1959-60	7.96	10.50	8.37	3.07	4.02	5.14	7.75	8.90	7.52	10.64	9.04	8.82	91.73
1960-61	7.32	5.06	7.15	7.94	7.14	6.43	6.74	6.75	7.44	8.34	8.92	7.72	86.95
1961-62	7.86	5.86	5.55	7.70	3.13	3.87	6.96	6.32	6.45	8.36	9.74	7.18	78.98
1962-63	5.86	5.08	5.84	4.77	5.78	5.88	5.26	4.94	4.86	8.50	8.49	8.45	73.71
1963-64	6.31	6.12	8.20	6.36	7.58	6.05	6.20	6.68	5.82	9.06	8.14	7.44	83.96
1964-65	6.66	5.46	4.11	4.66	4.85	3.82	5.68	6.44	5.36	8.09	8.46	6.89	70.48
1965-66	8.42	4.27	5 18	5.15	3.80	5.41	6.17	5.16	6.98	9.42	8.70	7.15	75.81
1966-67	7.85	3.53	5 64	6.03	5.27	4.27	3.60	4.58	5.41	8.52	9.49	6.07	72.26
1967-68	8.62	3.82	5 18	5.38	3.12	6.39	7.30	7.37	6.92	8.94	9.11	8.73	80.88
1968-69	6.39	7.13	5.47	3.42	2.21	5.66	6.50	5.66	5.22	8.73	10.30	7.59	74.28
1969-70	8.67	7.20	5.02	4.16	2.08	7.87	7.79	8.04	6.97	9.70	9.58	9.82	86.90
1970-71	6.79	5.61	4.51	5.72	5.48	6.82	6.33	6.46	6.16	8.85	9.32	8.48	80.63
1971-72	8.40	4.80	4.41	6.21	5.12	6.54	6.55	7.27	7.41	10.34	10.20	6.75	84.00

N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 321
PINE CANYON
24" DIAMETER UNSCREENED TO 9/30/46 SCREENED SUBSEQUENT TO 9/30/46

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1931-32	6.40	3.84	1.42	1.78	2.64**	6.70	8.70	9.35	11.52	16.30	15.53	12.42	96.60
1932-33	8.67	6.51	2.96	1.72	3.48	5.67	6.35	7.76	9.82	12.79	12.25	10.32	88.30
1933-34	8.32	6.20	3.10	3.96	3.13	6.43	8.46	10.61	8.70	13.08	12.18	10.06	94.23
1934-35	6.51	3.63	3.19	2.40	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	3.22	5.14	6.28	8.68	10.48	11.55	11.66	9.40	82.31
1936-37	6.44A	4.72	2.54	1.36B	1.36	3.10	5.60	6.72	8.48	12.05	10.78	8.08	71.55B
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	2.66B	2.65	5.00	5.06	8.30	11.77	14.08	11.98	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	86.98
1944-45	7.40	3.88	3.06	3.24	3.52	2.70	7.37	9.32	9.74	12.06	11.47	9.20	82.96
1945-46	6.01	3.96	3.03	3.80	3.52	4.70	6.28	7.32	11.82	12.31	12.22	9.86	84.83
1946-47	5.40	3.20	1.96	2.60	2.50	3.89	5.46	7.81	8.38	11.08	9.80	7.86	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	1.80	2.36	4.48	5.20	7.22	8.77	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	3.99	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	5.18	3.43**	3.42	5.45	5.17	5.72	5.87	8.80	11.80	10.36	8.44	81.14**
1953-54	6.22	4.91	3.82	2.60	3.68	2.99**	5.10	8.65	9.72	11.27	10.34	9.74	79.04**
1954-55	7.40	4.01	2.78	1.83	2.89	5.03	5.78	6.08	8.12	10.82	11.55	9.00	75.29
1955-56	6.65	4.23	2.49	1.85	2.92	5.57	4.19*	5.60	9.72	10.73	10.50	9.93	74.38**
1956-57	5.20	6.18	4.65	1.93	2.55	4.87	5.50	5.99	10.83	12.55	11.08	8.80	80.13
1957-58	4.82	3.70	3.10	3.45	1.95	2.36	4.92**	8.16	10.30	11.58	11.72	9.45	75.51**
1958-59	6.97	4.74	4.88	3.45	2.38	6.15	6.95	8.65	11.92	13.58	12.75	7.68	90.10
1959-60	6.80	5.80	3.48**	1.78	3.01**	5.38**	7.08**	6.71**	12.70	13.38	12.50	9.92	90.54**
1960-61	6.95	3.08	3.02	2.98	3.50	4.30	6.85	7.35	10.82	12.85	9.92	7.88	79.50
1961-62	6.35	3.70	2.40**	2.92B	2.20*	3.05**	6.92	6.75	9.00	11.40	11.75	10.18	76.62**
1962-63	5.84	4.18	3.72	2.82B	3.12**	4.60**	3.85	6.52	8.04	10.68	10.65	6.90	70.92**
1963-64	4.61	2.92	2.66	2.47	3.64	3.37**	4.62	6.67	9.04	10.80	11.50	9.40	71.72**
1964-65	6.75	2.86**	2.11**	2.73**	3.56	3.69*	3.33**	7.23	7.52	10.07	10.32	7.24	67.41**
1965-66	7.05	3.10**	1.81**	2.42	2.71	4.48**	6.93	7.58	INC.	N.R.	11.68	8.14	INC.
1966-67	5.63	2.80	2.10	2.28**	2.80	3.89**	2.78	6.03**	7.41**	10.66	9.55	6.72	62.67**
1967-68	6.75	3.45**	2.77**	2.18	2.12	3.38	5.19	6.62	9.08	9.58	9.57	8.75	69.44**
1968-69	5.39	3.73	2.24	2.30	1.80	3.99	5.09	7.38	7.35	10.22	11.58	7.90	68.97
1969-70	6.82	4.12**	2.56	2.34**	3.09	4.33	5.40	7.75	9.80	11.02	12.95	8.38	78.56**
1970-71	7.22*	4.20	2.46	3.12	3.24	4.70	5.10	5.44	7.90	10.78	10.08	9.62	72.86*
1971-72	8.02	4.66	3.15	3.26	3.43	5.75	6.00	7.34	9.15	11.08	9.20	6.55	75.59

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
B = RECORD INCOMPLETE - WATER IN PAN FROZEN
N.R. = NO RECORD
INC. = RECORD INCOMPLETE
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 3348
COGSWELL DAM
24" DIAMETER UNSCREENED TO 9/30/46 SCREENED SUBSEQUENT TO 9/30/46

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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	4.66	1.88	1.07	1.81	2.68	6.06	6.24	6.39	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	1.82	2.48	4.58	4.92	7.98	10.28	12.07	12.05	9.36	80.65
1940-41	7.39	4.16	2.23	1.59	1.42	3.20	3.91	6.96	8.01	11.56	9.96	8.86	69.25
1941-42	5.11	2.76	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	2.85	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	4.65	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	8.66	9.61	10.10	7.81	63.25
1946-47	3.50	1.48	1.22	2.20	1.60	2.48	3.88	5.62	6.25	9.22	8.13	6.89	52.51
1947-48	4.87	3.20	2.06	2.99	3.52	2.66	3.56	5.36	6.23	10.10	10.00	9.10	62.45
1948-49	5.42	4.62	1.58	1.048	1.36	2.82	4.90	5.50	8.13	10.13	9.94	10.02	65.468
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	6.29	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	8.26	64.37
1952-53	7.04	2.72**	1.76	2.30**	3.76	3.84	4.44	6.38	7.02	10.76	10.68	8.81	69.53**
1953-54	6.23	3.22	3.29	1.60**	3.20**	2.92	5.00	6.36	7.60	9.63	9.32	8.35	66.72**
1954-55	6.22	3.76	2.24	1.22	2.04	4.00	5.82	5.00	6.50	8.76	9.83	10.14	65.53
1955-56	7.25	3.50	1.58	1.66	2.29	4.18	3.67	5.54	7.74	9.25	9.48	9.56	65.70
1956-57	5.90	6.36	3.91	1.44	1.70	3.20	4.60	4.39	7.82	10.78	10.63	8.28	69.01
1957-58	3.90	2.74	2.32	2.94	1.94	2.33	4.21	7.23	8.72	10.46	9.30	9.14	65.23
1958-59	6.82	4.24	3.68	2.66	2.19**	5.12	5.60	5.52	9.00	10.00	9.64	7.16	71.63
1959-60	6.52	4.82	3.08	1.66	2.52	4.01	5.88	6.24	9.78	11.05	10.58	9.43	75.61
1960-61	5.80	2.94	2.60	3.06	3.14	3.76	5.39	6.02	9.50	10.92	10.56	8.32	72.03
1961-62	6.42	3.48	1.89	2.53	1.22**	2.46	5.86	6.03**	8.50	11.36	11.60	9.18	70.53**
1962-63	5.74	4.26	3.28	2.68	4.08**	3.88**	4.49	5.72	6.31	10.79	9.65	7.24	67.12**
1963-64	4.48	2.67	2.57	2.44**	3.34	3.60**	4.22**	5.20	7.59	10.64	10.35	8.04	65.34**
1964-65	6.21	2.77*	1.76**	2.28	3.00**	3.35	3.83**	6.12	5.76	9.27	9.64	9.96	63.94**
1965-66	6.66	3.13*	1.96	2.60	2.29**	3.92**	5.24	6.20	8.02	10.84	9.79	7.85	68.50**
1966-67	5.65	2.66	1.95	2.16	3.15	2.89	2.40	5.81	5.93	9.80	10.11	6.97	59.68
1967-68	6.75**	3.26**	2.21**	2.18	2.23	4.27	5.70	6.44	7.66	9.18	8.86	7.80	66.54**
1968-69	4.92	3.40	2.42	1.85	1.64	3.52	4.65	5.61	5.64	8.78	10.78	8.28	61.48
1969-70	5.38	3.30	2.24	1.46	2.45**	3.25	4.50	6.26	7.29	10.31	9.80	8.40	64.96**
1970-71	5.08	3.04	1.25	1.66	2.35	3.42	4.30	4.84	6.40	9.31	9.85	8.63	60.14
1971-72	5.92	3.49	2.33	2.16	3.00	4.37	4.80	N.R	N.R	N.R	INC.	6.79	INC.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN

MONTHLY EVAPORATION SUMMARY
STATION NO. 336
SILVER LAKE RESERVOIR
24" DIAMETER UNSCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	INC.	4.34	3.65	5.45	5.94	8.28	7.20	6.30	INC.
1954-55	4.43	3.43	2.51	1.95	3.24	4.14	6.96	5.13	5.00	7.06	7.52	6.82	58.19
1955-56	4.08	3.19	1.46	1.63	2.22	4.02	3.53	5.04	6.16	7.66	6.98	6.73	52.70
1956-57	4.58	4.34	3.30	1.72	1.65	4.21	4.34	5.35	6.88	8.23	7.95	6.03	58.63
1957-58	3.80	3.00	2.16	2.41	3.72	2.77	5.05	6.08	6.94	7.80	7.02	6.51	57.26
1958-59	5.10	3.82	2.58	2.27	2.60	4.06	3.60	6.12	6.39	8.14	7.56	5.81	58.01
1959-60	4.64	3.98	2.91	2.14	2.89	3.66	6.00	6.66	6.43	8.17	7.48	6.58	61.62
1960-61	5.81	2.92	3.44	3.41	4.53	5.55	6.43	7.46	7.76	9.17	8.56	6.30	71.36
1961-62	5.54	3.66	2.20	4.17	2.67	4.30	6.57	7.03	6.56	8.72	8.61	6.39	66.62
1962-63	3.94	3.20	2.40	2.60	2.39	4.43	4.36	4.60	4.94	7.42	7.03	5.67	52.98
1963-64	4.20	3.03	2.82	2.80	3.93	3.88	4.80	5.84	5.72	7.82	7.12	5.64	57.66
1964-65	4.40	3.34	1.66	2.12	3.50	3.43	4.21	5.82	5.10	7.10	7.25	4.77	52.70
1965-66	3.86	2.96	2.38	2.54	2.74	4.23	5.65	5.31	6.89	8.40	7.69	5.97	60.62
1966-67	4.89	2.31	2.52	2.48	3.26	3.81	3.74	5.64	5.40	7.46	7.82	5.51	54.84
1967-68	4.85	2.53	2.33	2.54	2.04	5.09	6.12	6.70	6.98	8.19	7.82	6.26	61.59
1968-69	4.11	3.67	2.80	1.90	2.38	4.44	5.67	5.76	4.94	8.07	8.58	6.80	59.12
1969-70	5.50	3.43	3.02	2.02	2.51	5.59	6.27	6.62	6.70	8.76	8.56	6.84	65.82
1970-71	4.93	3.08	1.66	2.22	3.48	4.37	5.54	6.02	6.32	8.44	8.58	7.09	61.73
1971-72	6.00	3.38	3.24	2.31	2.81	4.70	6.11	6.45	6.97	8.89	8.41	6.29	65.60

N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 347
BALDWIN PARK EXPERIMENTAL STATION
24" DIAMETER UNSCREENED TO 9/30/46 SCREENED SUBSEQUENT TO 9/30/46

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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	8.80	9.78	8.92	7.98	67.35
1934-35	4.25	2.65	2.19	1.77	2.71	3.09	4.39	6.38	8.52	10.19	9.64	7.34	63.12
1935-36	6.12	3.42	2.45	2.32	2.08	3.68	4.70	8.49	9.76	10.29	9.56	7.56	70.43
1936-37	5.11	4.04	1.96	1.41	2.06	3.84	5.82	6.04	8.32	10.17	10.21	8.21A	67.19
1937-38	5.09	2.98	2.33	2.50	1.95	3.38	4.70	6.74	7.32	8.98	8.86	7.42	62.25
1938-39	5.20	4.06	2.42	1.88	3.12	2.94**	4.61	6.30	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	8.59	7.04	9.21	8.37	7.01	59.46**
1940-41	5.05	2.83	2.02	1.41	1.47	2.96	3.52	7.04	6.66	8.50	7.30	6.40	55.16
1941-42	4.52	2.84	1.35	1.40	2.01	3.78	3.36	5.74	6.14	9.14	8.27	6.12	54.67
1942-43	4.82	2.90	2.06	1.76	2.00	2.38	3.87	6.56	7.44	8.93	8.38	7.08	58.18
1943-44	4.93	3.58	2.03	1.58	1.82	3.48	5.00	5.89	6.38	7.86	8.58	5.90	57.03
1944-45	3.54	2.14	1.76	1.73	1.69	2.55	4.61	5.57	5.06	7.75	6.45	6.43	49.28
1945-46	4.20	3.04	2.04	2.65	2.02	3.31	4.18	4.62	7.94	8.84	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	47.69
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**
1953-54	4.51	2.23	2.70	1.13**	2.16**	2.51**	3.12	4.66	5.20	7.14	6.87	5.42	47.65**
1954-55	3.91	2.22	1.40	1.17	2.36	3.38	5.36	4.02	5.67	6.97	7.94	6.26	50.66
1955-56	3.42	2.16	1.08	.99	1.86	3.55	3.15	3.57	5.93	6.78	5.15	6.09	43.73
1956-57	3.16	4.33	1.62	1.13	1.36	2.17	3.13	3.68	4.55	7.76	7.58	5.65	45.92
1957-58	2.74	1.58	1.34*	.97**	2.56**	1.60*	2.30*	3.32*	5.28	7.75	6.84	5.85	42.13**
1958-59	4.30	2.40	1.88	1.70	1.43	3.49	3.59	5.14	6.52	8.20	7.70	5.18	51.57**
1959-60	4.05	3.02	2.05	1.34	1.60	2.68	4.25	5.88	6.34	6.74	6.27	6.35	50.57
1960-61	3.94	1.58	1.52	1.65	1.95	2.82	4.48	5.66	6.35	7.88	7.17	4.56	49.76
1961-62	4.19	2.00	1.19	1.58	1.22**	2.32	4.35	5.02	4.82	7.45	7.82	5.62	47.58**
1962-63	3.38	2.26	1.48	1.60	1.66**	3.27	3.39	4.60*	4.11	7.61	7.48	5.06	45.90**
1963-64	3.84	2.18**	1.68	1.68	2.62	3.52	4.06	5.18	5.45	7.51	6.78	5.79	48.61**
1964-65	4.09	2.00**	1.11*	1.35	2.03	3.23**	3.60	5.10	4.30	6.81	7.44	4.74	45.80
1965-66	4.80	2.11*	1.17*	1.58**	1.73	3.08	4.52	4.89	6.31	7.40	8.04	5.53	51.18
1966-67	4.12	1.86	1.28**	1.28**	2.30	3.31	2.49	5.36	5.20	8.06	8.60	8.71	52.57**
1967-68	N.R.	INC.	1.83	1.65	1.58	3.32	4.82	5.26	5.90	8.31	6.77	5.53	INC.
1968-69	3.26	1.97	1.46	INC.	INC.	INC.	3.95	4.31	5.67	6.00	8.44	5.46	INC.
1969-70	4.12	2.38	1.67	1.09	2.38**	2.92	4.42	5.78	6.21	8.04	7.54	5.98	52.53**
1970-71	4.38	2.14**	1.10	1.30	2.00	3.21	3.88	2.84	5.92	8.12	8.25	5.99	49.13
1971-72	5.28	2.44	INC.	1.89	2.62	4.36	4.42	6.28	7.17	9.31	7.37	6.26	INC.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
# = RECORD INCOMPLETE - WATER IN PAN FROZEN
N.R. = NO RECORD
INC. = RECORD INCOMPLETE
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 GROUND LEVEL (3 INCHES BELOW TOP OF PAN). THE MEASURED RATE OF EVAPORATION WAS REDUCED AS A RESULT OF THIS CHANGE.

MONTHLY EVAPORATION SUMMARY
STATION NO. 3908
MORRIS DAM
72" DIAMETER

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1930-31	5.14	4.15	2.76	2.21	2.39	4.97	4.49	5.46	6.26	8.80	7.68	6.30	60.61
1931-32	4.33*	2.77	1.34	1.54	1.78	3.89	5.03	5.26	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	59.98
1933-34	5.69	4.90	1.90**	2.80	2.17	4.45	5.33	7.32	5.72	8.72	8.08	7.04	64.12**
1934-35	4.52	2.76	1.96	1.62	2.60	2.59	3.46	4.50	6.58	8.12	7.94	6.34	52.99
1935-36	5.23	3.05	2.52	2.50	1.44	3.40	3.97	6.68	7.43	8.21	8.14	7.04	59.61
1936-37	4.82	4.27	2.06	1.00#	1.56	2.71	4.75	4.72	6.11	8.30	7.94	7.10	55.34#
1937-38	5.20	2.88	2.39	2.14	1.48	2.65	3.97	5.03	6.01	7.68	7.61	6.84	53.88
1938-39	4.49	3.92	2.12	1.75	2.20	2.46	4.10	5.26	7.32	8.16	8.06	6.22	56.06
1939-40	4.66	3.32	2.58	1.36	1.80	3.26	3.70	6.04	6.58	8.99	7.97	6.58	56.84
1940-41	5.46	3.32	2.08	1.42	1.13	2.63	2.90	5.51	5.71	7.80	6.49	5.66	50.11
1941-42	3.91	2.89	1.44	1.67	2.04	3.58	3.10	5.90	6.35	7.82	7.69	6.07	53.38
1942-43	4.27	2.78	2.04	2.11	1.91	2.04	3.46	6.20	6.34	8.00	7.88	6.83	53.86
1943-44	4.79	3.40	1.54	1.56	1.42	3.28	3.73	5.10	4.98	7.32	7.98	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	7.86	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	5.34	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	7.74	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	2.36	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	3.66	3.82	6.20	6.26	8.82	8.38	6.92	58.64
1953-54	6.16	3.26	3.41	1.92	3.13	2.78	4.07	4.92**	6.17	8.56	7.62	7.31	59.51**
1954-55	5.51	3.47	2.34	1.76	2.62	3.80	5.08	4.49	6.02	7.94	8.63	8.06	59.72
1955-56	4.84	3.40	1.64	1.80	2.39	4.31	3.53	4.94	7.43	8.22	6.52	6.64	55.66
1956-57	3.66	5.17	3.95	2.32	1.66	3.08	4.03	4.45	6.88	9.29	9.00	6.85	60.34
1957-58	3.35	3.19	3.44	2.48	1.66	2.09	3.79	6.18	7.64	8.35	7.84	7.74	57.75
1958-59	5.96	3.95	3.74	4.33	1.78	4.64	4.88	6.22	7.12	9.06	8.66	5.78	64.92
1959-60	5.35	4.31	2.92	1.70	2.50	3.50	5.46	6.36	7.48	9.38	8.74	8.08	65.78
1960-61	5.21	2.44	2.90	2.84	2.95	3.52	5.39	5.96	7.54	8.86	8.36	6.86	62.87
1961-62	5.68	3.40	1.81	2.53	1.19	2.50	5.40	5.42	6.12	8.27	8.72	6.96	58.00
1962-63	4.62	3.37	2.86	2.11	2.62**	3.62**	4.26	4.90	5.04	8.65	8.40	6.59	57.05**
1963-64	4.52	2.64	3.01	2.48	3.04	3.58	4.34	5.70	6.34	7.73	8.26	6.70	58.94
1964-65	5.42	2.71	1.76*	2.09	2.83	3.14	3.65	5.54	4.85	8.41	8.56	5.75	54.71**
1965-66	6.28	2.28	1.66	2.35	2.33	3.80	3.18	5.52	7.32	9.36	8.62	6.70	63.40
1966-67	5.28	2.47	1.88	1.99	3.18	3.04	2.51	5.30	5.11	8.62	8.56	5.57	53.51
1967-68	6.13	2.87	2.16	2.09	1.81	4.02	5.14	5.62	6.36	8.39	7.82	6.80	59.21
1968-69	4.75	3.42	2.30	1.24	.83	3.48	4.22	5.99	4.73	8.59	9.72	7.43	56.71
1969-70	5.42	3.30	2.62	1.69	2.87	3.66	5.28	6.20	6.74	9.38	9.40	8.15	64.09
1970-71	5.02	2.94	1.25	2.27	2.71	3.89	4.96	4.87	6.73	9.17	9.40	7.42	60.65
1971-72	5.82	3.17	2.30	2.66	3.02	4.83	6.07	6.89	7.57	10.38	8.96	6.41	68.08

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
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# = RECORD INCOMPLETE - WATER IN PAN FROZEN

STATION NO. 425B
SAN GABRIEL DAM
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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	8.29	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	3.64	1.96	1.64	2.96	2.60	3.54	6.72	6.94	9.62	9.48	8.74	64.53
1952-53	6.87	3.34**	1.96**	2.54**	4.24	4.12**	4.12	6.90**	6.79	9.24	9.04	7.63	66.83**
1953-54	6.78	4.00	4.22	2.20**	3.78**	3.00	4.27	5.30	6.21	8.78	7.82	8.78	65.14**
1954-55	6.44	4.04	2.85	1.78	3.03	3.88	5.74	4.27	5.92	8.00	8.84	8.98	63.77
1955-56	5.67	3.47	1.92	2.04	2.30	5.00	3.67	4.74	7.16	8.10	8.78	9.40	62.25
1956-57	4.85	5.66	4.20	1.75	1.77	2.84	4.30	4.40	6.64	9.38	9.82	7.40	63.01
1957-58	3.73	3.18	2.74	2.84	1.78	2.24	4.16	6.48	7.54	8.97	7.94	8.92	60.52
1958-59	6.78	4.66	4.48	3.12	2.25**	5.44	5.30	5.38	7.38	9.00	9.04	6.74	69.53**
1959-60	6.80	5.82	4.16	2.52	2.90	4.06	6.16	7.03	8.33	10.49	9.30	9.34	76.93
1960-61	6.70	3.76	4.19	4.64	3.88	4.52	6.18	6.26	7.66	9.20	9.08	8.30	74.35
1961-62	7.64	4.76	2.58	3.46	1.96*	3.08	6.20	6.08	6.74	9.12	10.63	8.97	71.20**
1962-63	6.46	4.74	4.62	3.46	3.39**	4.37	4.66	5.32	5.28	9.45	9.39	8.52	69.68**
1963-64	5.46	3.80	4.90	4.06	5.32	5.17	4.94	5.91	6.98	10.30	9.18	8.20	74.20
1964-65	7.78	4.17	2.65**	3.00**	4.27	4.12	4.72**	6.46	5.29	9.52	10.03	7.47	69.46**
1965-66	9.34	4.20**	2.95**	3.73**	3.15**	4.88	6.34	5.90	8.02	10.29	8.80	7.85	75.48**
1966-67	7.28	4.17**	3.34	3.66	4.78	4.07	3.77	6.53	5.99	9.43	9.70	6.36	69.10**
1967-68	8.16	4.62	3.35	3.80	2.78	5.19	5.96	5.97	7.00	8.72	8.43	8.27	72.45
1968-69	7.01	5.42	4.42	2.79	2.25	4.31	4.98	5.76	5.00	8.61	10.22	9.45*	70.22*
1969-70	N.I.	4.96	4.00	2.54	3.98	4.24**	5.42	7.36	6.89	9.48	9.33	9.18	INC.
1970-71	6.55	4.88**	2.36**	3.26	3.82	4.86	5.62	5.20	6.90	9.05	9.48	8.24	70.18
1971-72	7.22	4.37	3.16	3.14	3.50	4.48	5.99	6.30	6.82	9.83	8.37	6.40	69.58

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 444F
SOUTH COAST BOTANIC GARDENS
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1964-65	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	3.95*	5.94	INC.	INC.	INC.	INC.	INC.
1965-66	5.05	2.24*	1.82*	2.60*	2.19	3.72*	5.90	5.50	5.15	6.45	7.05	5.08	52.75
1966-67	5.53	2.38	1.78**	1.90	2.15	3.05	3.44	5.77**	5.10	6.80	7.37	5.02	50.09**
1967-68	4.53	2.66	1.74	1.65	1.63	3.93	5.36	5.71	5.32	6.26	7.06	5.61	51.46
1968-69	3.55	2.60	1.69	1.30	1.49	3.21	4.77	4.70	4.22	6.11	7.12	5.18	45.94
1969-70	4.45	3.31**	1.94	1.29	1.60	3.14	5.76	5.58	5.92	7.27	7.14	5.72	53.12**
1970-71	3.86	2.90	1.40	1.65	2.36	3.26	4.55	5.16	5.15	6.82	7.48	5.96	50.55
1971-72	4.94	2.30	1.79	1.42	1.50	3.12	4.55	5.37	4.96	7.10	6.39	4.45	INC.

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 794
LOWER FRANKLIN RESERVOIR
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	3.66	3.53	5.45	6.10	8.83	7.78	7.11	INC.
1954-55	5.25	2.85	3.81	2.57	3.08	4.68	7.02	5.27	5.35	7.50	8.56	7.87	63.81
1955-56	4.56	4.91	2.24	1.92	2.94	4.96	4.01	4.76	6.70	8.14	7.78	7.61	60.53
1956-57	5.39	6.52	4.60	3.76	1.95	4.24	4.38	4.98	6.70	8.34	8.94	6.43	66.23
1957-58	5.18	3.76	2.53	3.14	2.25	2.48	4.57	6.61	7.91	8.40	8.52	6.24	62.29
1958-59	6.81	5.00	4.42	3.71	4.88	6.12	6.04	6.96	7.42	9.82	8.90	6.96	77.04
1959-60	6.03	5.73	4.26	3.30	4.15	3.66	7.22	7.32	6.82	8.88	8.52	7.62	73.47
1960-61	6.52	4.00	4.10	4.60	4.64	5.44	6.24	7.04	6.78	8.56	8.34	6.86	73.12
1961-62	6.23	4.97	2.68	4.17	2.35	3.70	5.98	6.12	6.12	7.78	8.54	8.67	65.31
1962-63	4.92	4.20	3.41	3.38	3.32	5.06	5.23	5.02	5.30	8.40	8.27	7.21	63.92
1963-64	5.86	4.42	4.89	4.31	5.42	5.45	6.08	6.56	6.22	8.86	8.00	6.95	72.98
1964-65	5.92	4.74	2.29	3.49	4.12	4.38	5.14	6.92	5.67	8.22	8.61	6.89	66.35
1965-66	7.79	3.74	3.55	4.01	3.91	5.08	6.40	5.77	7.41	9.16	8.58	7.34	72.74
1966-67	6.79	3.61	3.78	3.77	4.37	4.50	4.28	6.40	6.50	8.23	9.04	6.66	67.93
1967-68	6.92	4.12	3.57	3.71	2.73	5.54	6.39	6.84	6.94	8.40	8.49	7.29	70.94
1968-69	5.34	4.73	3.94	2.66	3.53	3.93	5.18	5.16	4.86	7.30	8.10	6.45	61.20
1969-70	6.47	4.78	3.74	2.82	3.34	5.70	7.05	7.37	7.13	9.06	9.11	8.10	74.67
1970-71	5.80	4.16	3.06	3.24	4.36	4.92	6.06	6.24	6.36	8.67	9.17	7.86	69.90
1971-72	7.46	4.56	3.91	3.51	3.74	5.66	6.29	6.98	7.46	9.81	8.60	6.86	74.84

N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 6028
EAGLE ROCK RESERVOIR
48" DIAMETER U.S.W.B. TYPE A

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955-56	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	7.84	7.05	8.18	INC.
1956-57	4.41	5.73	4.44	2.31	2.88	4.55	4.42	5.53	7.52	9.29	9.21	6.62	66.91
1957-58	4.11	3.65	3.40	3.77	3.25	2.95	5.96	6.80	7.84	8.28	7.55	7.19	64.75
1958-59	6.34	4.59	4.00	3.93	2.93	6.81	5.71	6.00	7.24	9.74	8.31	6.16	71.76
1959-60	5.57	5.30	3.75	2.56	3.43	4.56	6.73	7.40	7.13	9.01	7.70	8.29	71.41
1960-61	5.83	3.56	3.93	4.34	4.31	4.90	5.86	6.12	7.03	8.37	7.99	6.56	68.80
1961-62	5.34	3.43	2.93	5.71	2.62	3.91	6.35	5.56	5.56	7.66	8.79	6.62	69.52
1962-63	4.61	3.84	3.34	3.26	3.65	4.86	5.22	4.72	5.01	8.43	8.01	7.60	62.59
1963-64	4.63	3.73	4.66	3.97	5.24	5.47	5.62	6.48	5.96	9.27	7.68	6.81	69.52
1964-65	5.87	4.27	1.91	3.61	4.23	4.14	5.88	5.74	4.94	8.14	8.30	5.82	62.85
1965-66	7.54	3.32	3.10	3.88	3.76	5.05	5.78	5.07	7.39	9.03	8.12	6.58	68.62
1966-67	6.05	3.55	3.73	3.82	4.54	4.44	4.00	6.36	5.46	8.70	9.25	5.84	65.74
1967-68	6.68	3.70	3.15	3.68	3.17	5.93	6.61	6.36	6.38	8.66	8.21	7.10	69.63
1968-69	4.97	4.49	3.51	2.18	2.55	5.35	5.71	5.84	4.15	8.53	9.44	6.66	63.38
1969-70	6.31	5.13	3.37	2.56	2.75	6.85	6.59	6.42	6.63	9.25	9.32	8.29	73.87
1970-71	5.16	3.74	2.56	3.11	3.81	4.91	5.58	5.46	6.56	9.19	9.62	8.07	67.79
1971-72	6.93	3.84	3.70	3.46	3.78	4.91	6.48	6.55	6.75	10.01	8.27	6.18	70.86

N.I. = NOT INSTALLED
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 1008
LA FRESA - S.C. EDISON CO. SUBSTATION
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1946-47	3.66	2.02	1.12	2.58	1.07	2.12	4.24	4.42	4.96	6.44	5.84	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	2.83	1.26	1.36	1.50	2.22	3.43	3.92	4.31	4.74	5.03	4.14	37.86
1949-50	3.60	2.52	1.65	1.35	1.07	2.02	3.24	4.12	4.48	5.22	5.11	3.60	37.98
1950-51	3.12	2.12	1.81	1.54	1.95	2.96	2.64	4.69	4.24	5.45	5.32	3.80	39.64
1951-52	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**
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**
1953-54	3.70	2.54	2.13	1.34	2.36	2.52	2.80	3.78	4.58	5.28	4.80	3.96	99.79
1954-55	3.20	2.16	1.66	1.67	2.18	3.12	4.48	3.93	4.20	5.47	5.19	4.70	41.98
1955-56	2.83	2.02	1.02	1.22	1.94	2.99	2.60	4.07	4.70	5.80	5.21	4.07	38.47
1956-57	3.18	3.16	1.96	1.40	1.16	2.52	3.34	4.63	4.66	5.72	5.59	4.30	41.82
1957-58	2.86	2.10**	1.66	1.67**	1.58**	2.54**	3.92	4.62	5.84	6.18	5.32	5.62	43.91**
1958-59	4.22	3.18	2.10	1.75	2.19	3.60	4.28	5.40	5.85	6.54	5.62	4.12	48.85
1959-60	3.02	2.34	2.11	1.73	1.76**	2.55	4.93	6.00	5.03	7.00	7.32	5.13	48.92**
1960-61	3.65	2.01**	1.90*	1.88**	2.30	2.44	3.57	4.18	4.02	5.78	5.48	4.18	41.39**
1961-62	3.32	1.98**	2.03*	1.72	2.82*	2.48	3.98	4.94	4.58	5.64	6.10	4.96	44.55
1962-63	3.51	2.08	1.76	1.76	1.76	3.29	4.08	4.56	4.92	5.93	5.75	4.78	44.18
1963-64	3.78	2.54	2.00	2.60**	3.20	2.80	4.61	5.12	4.92	6.05	6.02	4.02	47.66**
1964-65	3.32**	2.46*	1.36*	1.59**	1.90**	2.46**	3.13**	3.97	3.26**	3.98	5.80	4.67	37.90**
1965-66	INC.	2.46**	1.80*	2.49*	1.95**	2.99	3.98	4.49	5.41	5.98	6.01	4.74	INC.
1966-67	3.69	2.04	1.52**	1.72	2.09	2.73	3.41	4.90	4.70	6.20	5.83	4.69	43.52**
1967-68	3.96	2.29	2.07	1.36	1.30	3.57	5.20	5.95	5.98	6.35	6.03	6.03	50.11
1968-69	3.48	3.03	2.86	2.02	1.77	3.46	4.88	5.02**	4.39	6.80	8.75	4.98	51.26**
1969-70	4.45	2.52	2.12	1.96**	2.78	3.42	5.52	6.14	5.82	8.04	7.22	6.15	56.14
1970-71	4.61**	INC.	2.01	1.82	2.05	2.65	4.74	4.20	5.22	6.76	7.25	5.38	INC.
1971-72	4.35	2.56	2.05	1.60	1.92	2.98	4.52	5.52	5.20	6.88	7.13	5.84	50.46

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 10140
RIO HONDO SPREADING GROUNDS
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1951-52	3.51*	2.16*	1.48	1.33	2.38	1.69	1.92	4.85	4.50	6.23**	6.08	4.55	40.98**
1952-53	3.10	1.98	1.22	1.16	2.55	2.90	3.36**	6.56	5.31	7.24	6.08	4.34	45.42**
1953-54	4.12	3.55	2.79	1.39**	1.86	2.10	2.17	5.68**	5.00	6.33	5.86	5.30	46.15**
1954-55	3.79	3.10	2.22	1.98	2.02**	3.76**	4.84	3.88	4.38	5.58	6.66	5.66	47.78**
1955-56	3.61	3.15	1.98	1.82	1.76	3.30	2.45	4.12	5.05	5.83	5.60	5.38	43.86
1956-57	3.34	4.18	2.96	1.31	1.46	2.50	3.28	3.30	4.45	6.46	6.10	4.35	43.71
1957-58	2.88	1.85	1.80	1.84	1.28**	1.68	3.02	3.80	5.76	5.28	4.89	5.15	39.25**
1958-59	4.03	2.72	2.15	1.60**	1.66	3.35	3.82	4.35	5.20	7.00	6.35	4.58	46.81**
1959-60	3.58	2.98	2.16	1.18	1.98	2.44	4.28**	4.70	4.98	6.73	5.90	5.20	46.11**
1960-61	3.50	1.88	1.76	2.10**	2.30	3.24	4.08	4.90	5.22	6.25	5.83	4.45	45.59**
1961-62	3.88	2.25**	1.26	1.66	.84	2.14	3.82	4.24	3.96	5.78	6.02	4.42	40.27
1962-63	3.16	2.30	1.94	2.20**	1.64*	2.98	3.12	3.58	4.60	6.63	6.10	5.39	43.86**
1963-64	3.52**	2.11**	2.28	2.26	3.10	3.93	4.58	5.36	4.92	7.12	6.45	5.00	50.83**
1964-65	3.61	2.47**	1.38*	1.91	2.48*	2.85	2.92	4.70	4.80	6.47	6.49	4.60	44.08**
1965-66	4.73	1.85**	1.54**	1.52	1.84**	3.27	4.33	4.57	5.70	6.80	6.20	5.30	47.65**
1966-67	4.18	N.R.	INC.	2.45	2.88	3.65	1.53	5.60	4.84**	6.58	7.65	5.18	INC.
1967-68	5.20	3.14	2.44	3.12	2.29	4.40	5.00	5.98	6.20	7.54	6.90	5.90	58.11
1968-69	3.99	3.07	2.64	2.20	1.56	3.42	4.84	5.36	4.30	7.38	7.98	5.45	52.19
1969-70	5.28	3.77	2.91	1.92**	3.05**	3.52	5.60	5.65	5.62	7.42	7.40	6.18	58.40**
1970-71	4.20	2.83	1.84	1.92	2.48	3.59	5.00	5.22	5.48	7.55	7.80	6.05	53.96
1971-72	5.52	2.48	2.41	2.18	2.48	3.62	5.26	6.05	6.16	8.00	7.79	5.30	57.25

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.R. = NO RECORD
INC. = RECORD INCOMPLETE

MONTHLY EVAPORATION SUMMARY
STATION NO. 10500
PALMDALE
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1967-68	7.07	6.34	2.49	2.25	2.56	5.02	9.45*	12.68	16.73	18.20	13.81	12.00	108.60**
1968-69	7.53	4.79	3.51	2.34	2.34	4.44	6.69	9.48	11.35	13.66	15.33	10.30	91.76
1969-70	7.40	3.80	2.86	2.74	3.37	4.87	6.75	9.55	11.01	13.48	12.00	9.35	87.18
1970-71	6.22	3.36	1.32	2.03	3.54	5.22	6.81	9.94	12.92	12.98	11.28	8.15	83.76
1971-72	5.97	3.58	2.49	2.02	3.02	4.98	4.68	6.95	7.70	11.12	8.82	5.08	66.41

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL

MONTHLY EVAPORATION SUMMARY
STATION NO. 10710
DESCANSO GARDENS
24" DIAMETER SCREENED

SEASON	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	INC.	4.46	6.55	5.22	5.12	INC.
1954-55	3.84	2.64	1.95	1.60	2.16	2.39	3.48	3.22	4.34	5.53	6.44	5.60	43.17
1955-56	3.58	2.66	1.48	1.84	2.51	4.59	2.89	4.55	6.59	7.25	6.38	6.74	51.06
1956-57	4.23	5.18	3.96	1.97	1.84	3.04	3.92	4.20	6.02	8.48	8.18	6.92	57.94
1957-58	3.73	3.08	2.56	2.70*	1.37*	2.30**	3.82**	5.05	6.28	7.68	7.44	7.45	53.54**
1958-59	6.00*	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	INC.	8.44	7.33	5.26	INC.
1959-60	5.12	4.64	3.24	1.89	2.51	3.50	5.45	6.22	7.36	9.45	8.41	7.85	65.64
1960-61	5.40	5.00**	3.78	3.91**	3.56	3.78	4.42	5.34	6.10**	7.48*	7.46	6.28	62.51**
1961-62	5.74	3.63	2.03	2.82**	1.38	2.32	4.57	4.11	4.71	7.10	7.42	6.20	52.03**
1962-63	4.10	3.54	3.02	2.64	2.87**	3.83	3.49	3.57	3.54	7.03	7.42	5.93	55.96**
1963-64	3.96	2.77	2.96	2.76	3.69	3.89	3.73	4.79	5.04	7.75	8.62	5.94	53.90
1964-65	4.97	2.70	1.69	2.05	2.57	2.79	3.23	4.41	4.04	6.95	6.89	7.87	48.16
1965-66	6.16	2.72	1.78	2.48	2.22	3.37	4.71	3.91	6.10	8.39	8.90	6.47	57.21
1966-67	5.21	2.76	2.10	2.11	3.17	2.90	2.45**	5.02**	4.44	7.41	7.26	5.12	49.95**
1967-68	5.71	2.75**	2.12	2.29	1.53	4.10	5.43	4.96	5.58	6.75	6.39	5.72	53.28**
1968-69	4.26	3.38	2.41	1.56	.98	3.30	3.71	4.52	3.20	6.02	7.42	5.77	46.56
1969-70	4.77	3.46	2.56	1.75	3.07	3.57	4.76	5.45	5.37	7.50	7.73	6.76	58.75
1970-71	4.36	2.91	1.70	1.89	2.64	3.50	4.13	4.00	4.78	6.74	7.36	6.15	50.16
1971-72	5.10	2.56	2.54	1.94	2.32	3.86	4.44	4.96	5.28	8.09	6.92	4.82	52.83

* = AMOUNT ESTIMATED IS GREATER THAN 10% OF TOTAL
** = AMOUNT ESTIMATED IS LESS THAN 10% OF TOTAL
N.I. = NOT INSTALLED
N.R. = NO RECORD
INC. = RECORD INCOMPLETE

RUNOFF

The District operated 99 water-stage recording stations during the 1969-70 through 1971-72 seasons. Data from 44 District stations are summarized and published in this volume. An alphabetical list of all past and present streamflow stations is shown on page

Also included herein are data from two stations operated by the United States Geological Survey and three by the Metropolitan Water District. The latter show the monthly quantities of imported water delivered for spreading under several cooperative agreements.

Page 98 shows the location of all gaging stations currently operated by the District plus those which are the responsibility of the United States Geological Survey, the United States Corps of Engineers, and the Metropolitan Water District.

RECORDS OF STREAMFLOW RECORDING STATIONS

Records from recording stations are, in general, published under each station heading in three sections, giving the following information:

1. Station descriptions which present location, drainage areas, channels, controls, regulations, diversions, and available records.
2. Daily discharge tabulations which show the mean daily runoff in second-feet and total monthly and yearly runoff in acre-feet.
3. Summary of total flows, and extremes of discharge for all years of record.

COOPERATION

The District receives streamtlow data trom other agencies and publishes. or has access to. the records tor local stations. District hydrographers also make periodic streamtlow measurements and observations at installa-tions belonging to these organizations. Data trom 25 ot the District's stations are reviewed and published in the Geological Survey's annual water supply papers.

Agencies with which the District exchanges data are:

United States Geological Survey. Water Re-sources Division

United States Corps ot Engineers

The Metropolitan Water District

San Gabriel River Water Committee

LEGEND

Stations are designated by letters and num-bers which indicate ownership. operating agency. and type ot station. The letters used have the tollowing connotations:

Pretix F - indicates stations owned and oper-

ated by the Los Angeles County Flood Control District.

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

Prefix E - indicates station owned ond 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 Division. However, Stations U8-R and U7-R have been operated by the District since October 1, 1966 and October 1, 1971, respectively.

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

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

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

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

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

Suffix R - indicates a recorder station.

Suffix S - indicates a staff gage station.

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

The following legend is used for indicating estimates on the daily discharge data sheets:

"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.

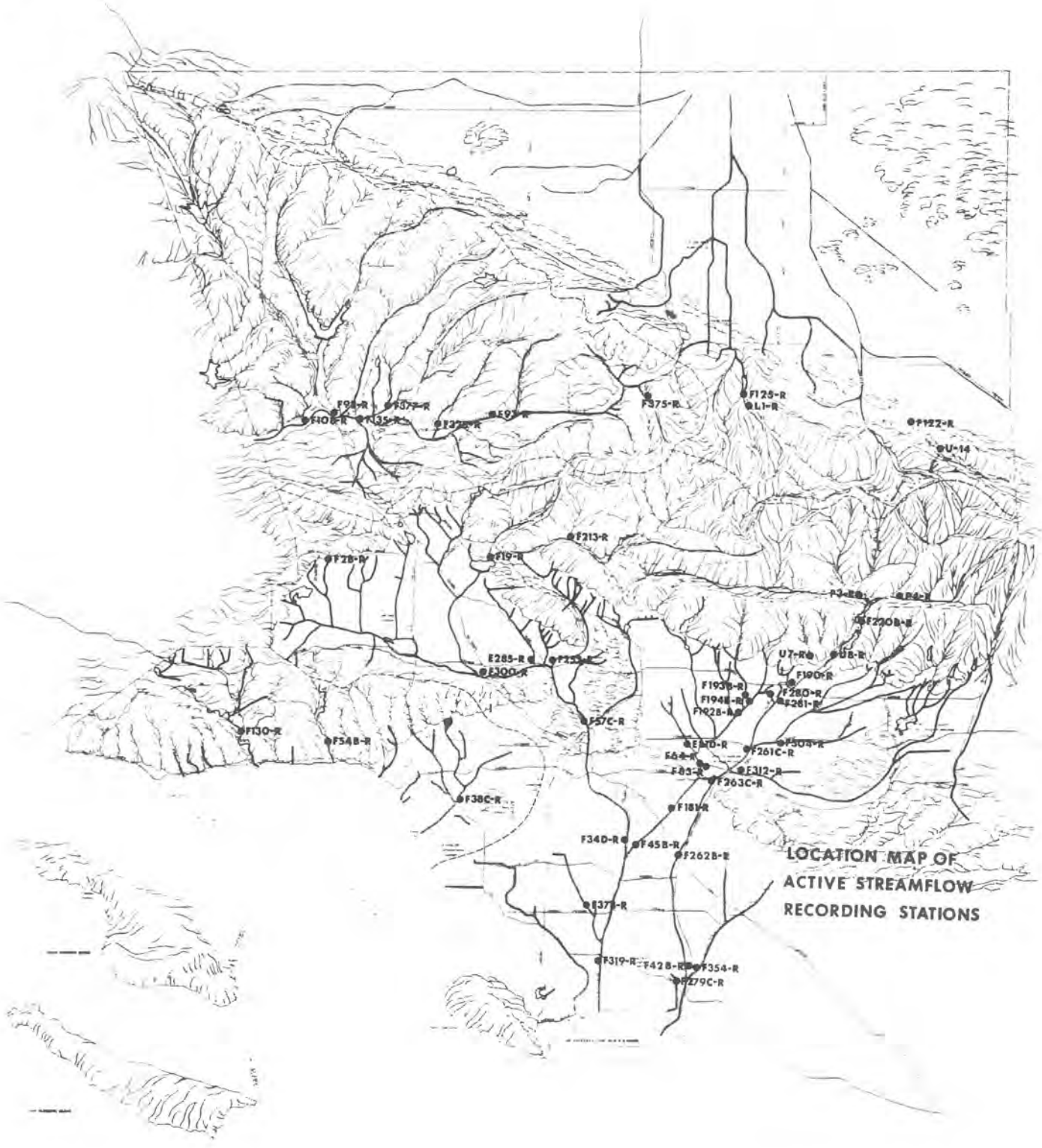
"d" - Gage height record doubtful.

"e" - Other types of estimates.

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

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

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


F98-R
F377-R
F108-R
F135-R
F375-R
F125-R
L1-R
F122-R
U-14
F213-R
F78-R
F19-R
F220B-R
U7-R
U8-R
F190-R
F280-R
F261-R
F285-R
F300-R
F57C-R
F130-R
F54B-R
F504-R
F261C-R
F312-R
F263C-R
F38C-R
F181-R
F340-R
F458-R
F262B-R
F379-R
F319-R
F428-R
F354-R
F279C-R
LOCATION MAP OF
ACTIVE STREAMFLOW
RECORDING STATIONS

ALPHABETICAL LIST OF STREAMFLOW RECORDING AND MEASURING STATIONS FOR WHICH RECORDS ARE AVAILABLE AT THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

THE PERIOD OF RECORD INDICATES THE EARLIEST AND LATEST DATES FOR WHICH RECORDS ARE AVAILABLE.

STATION NUMBER	STATION NAME	PERIOD OF RECORD		
F 102 -R	ALHAMBRA EAST WASH AT S.P.R.R. MAIN LINE	10-01-30	TO	09-30-32
M 340 -R	ALHAMBRA WASH - M.W.D. OUTLET NEAR RUSH ST.	02-28-58	TO	PRESENT
F 0316-R	ALHAMBRA WASH AT EMERSON PLACE	10-01-34	TO	05-22-36
F 031 -R	ALHAMBRA WASH AT GARVEY AVENUE	11-14-26	TO	09-30-34
F 031C-R	ALHAMBRA WASH AT GLADYS AVENUE	02-25-35	TO	04-27-36
F 031D-R	ALHAMBRA WASH NEAR KLINGERMAN STREET	09-02-36	TO	PRESENT
F 375 -R	ALISO CREEK AT BLUM RANCH	01-20-66	TO	PRESENT
F 152 -R	ALISO CREEK AT NORDHOFF STREET	11-03-39	TO	07-15-47
F 152 -S	ALISO CREEK AT NORDHOFF STREET	04-26-31	TO	PRESENT
F 369 -S	ALISO CREEK AT VAN OWEN STREET	10-01-61	TO	PRESENT
F 152B-R	ALISO CREEK BELOW NORDHOFF STREET	08-31-48	TO	05-12-69
F 317 -R	ARCADIA WASH BELOW GRAND AVENUE	12-12-55	TO	PRESENT
F 163 -S	ARCADIA WASH (EL MONTE ST.DR) BLD L.AZUSA RD	12-14-31	TO	01-05-35
F 116 -S	ARROYO DITCH BELOW HEADGATE	06-14-30	TO	09-25-53
F 058 -S	ARROYO SECO AT AVENUE 26	03-11-32	TO	PRESENT
F 221 -S	ARROYO SECO AT MOUTH OF CANYON	01-16-33	TO	02-16-33
P 277 -R	ARROYO SECO BELOW DEVILS GATE DAM	11-30-42	TO	PRESENT
F 153 -S	ARROYO SECO - MILLARD CK ABOVE DEVILS GT DAM	01-26-33	TO	02-13-36
F 157 -S	ARROYO SEQUIT AT ROOSEVELT HIGHWAY	11-27-31	TO	02-02-45
F 374 -S	AVOCADO CREEK AT DON JULIAN ROAD	10-01-61	TO	PRESENT
F 038C-R	BALLONA CREEK ABOVE SAWTELLE BOULEVARD	08-10-67	TO	PRESENT
F 038 -R	BALLONA CREEK AT CENTINELA BOULEVARD	02-27-28	TO	04-27-36
F 298 -R	BALLONA CREEK AT CURSON AVENUE	02-17-42	TO	09-04-62
F 166 -S	BALLONA CREEK AT JACOB STREET	12-21-31	TO	05-20-37
F 262 -R	BALLONA CREEK AT PACIFIC AVENUE	08-09-40	TO	08-01-62
F 038B-R	BALLONA CREEK AT SAWTELLE BOULEVARD	05-14-36	TO	08-10-67
F 294 -R	BALLONA CREEK AT SEPULVEDA BOULEVARD	04-14-48	TO	04-29-53
F 156 -S	BALLONA CREEK - EAST BRANCH BELOW ADAMS ST.	10-06-32	TO	07-19-34
F 293 -R	BALLONA CREEK 800 FEET BELOW CULVER BLVD	04-15-48	TO	04-29-53
F 067 -S	BANTA DITCH AT HEAD OF PIPELINE	07-02-28	TO	02-04-63
F 198 -S	BEAR CANYON CREEK ABOVE SOLEDAD CANYON	01-02-32	TO	08-31-33
F 308 -S	BELL CREEK AT TOPANGA CANYON BOULEVARD	10-01-61	TO	PRESENT
F 150 -S	BENEDICT CANYON CREEK NEAR OAKHURST STREET	01-01-31	TO	05-20-32
F 150 -R	BENEDICT CANYON CREEK NEAR OAKHURST STREET	05-21-32	TO	01-13-34
F 235 -R	BENEDICT CANYON STORM DRAIN AT WESLEY STREET	01-12-34	TO	01-21-39
F 202 -S	BIG DALTON CREEK ABOVE SIERRA MADRE AVENUE	02-24-37	TO	12-13-53
F 120 -R	BIG DALTON CREEK BELOW BIG DALTON DAM	10-01-29	TO	06-03-40
F 120B-R	BIG DALTON CREEK BELOW BIG DALTON DAM	06-03-40	TO	PRESENT
F 202 -R	BIG DALTON WASH AT SIERRA MADRE AVENUE	12-14-53	TO	PRESENT
U 014 -R	BIG ROCK CREEK ABOVE MOUTH OF CANYON	01-01-23	TO	PRESENT
F 143 -S	BIG ROCK CREEK ABOVE PALLETT CREEK	10-25-30	TO	PRESENT
F 295 -S	BIG ROCK CREEK ABOVE RISING WATER	10-15-47	TO	PRESENT
F 128 -S	BIG ROCK CREEK BELOW MONTES (PARADISE CAMP)	10-25-30	TO	03-26-32
F 171 -S	BIG ROCK CREEK NEAR VALYERMO HIGHWAY	12-09-31	TO	PRESENT-
F 127 -S	BIG ROCK CREEK - SOUTH FORK ABOVE PUB. CMPGD.	01-27-31	TO	07-18-33
F 111B-R	BIG TUJUNGA CREEK ABOVE EDISON ROAD	09-15-32	TO	05-18-50
F 177 -S	BIG TUJUNGA CREEK ABOVE FUSIER CANYON	12-24-31	TO	05-16-34
F 213 -R	BIG TUJUNGA CREEK ABOVE GOLD CANYON	10-01-32	TO	PRESENT
F 111 -R	BIG TUJUNGA CREEK AT EDISON ROAD	11-30-30	TO	08-17-32
F 010 -R	BIG TUJUNGA CREEK BELOW BIG TUJUNGA DAM	01-13-33	TO	02-24-36

STATION NUMBER	STATION NAME	PERIOD OF RECORD		
F 168 -R	BIG TUJUNGA CREEK BELOW BIG TUJUNGA DAM	12-08-31	TO	PRESENT
F 111C-R	BIG TUJUNGA CREEK BELOW MILL CREEK	01-16-48	TO	11-29-71
F 175 -S	BIG TUJUNGA - BREAKNECK CREEK NEAR MOUTH	02-01-32	TO	11-14-34
F 173 -S	BIG TUJUNGA - CLEAR CREEK ABOVE MOUTH	12-28-31	TO	01-01-37
F 110 -R	BIG TUJUNGA - FOX CREEK ABOVE MOUTH	10-01-30	TO	02-17-36
F 170 -S	BIG TUJUNGA - GOLD CANYON CREEK ABOVE MOUTH	01-29-32	TO	09-28-33
F 174 -S	BIG TUJUNGA - HANSEN CREEK NEAR MOUTH	01-20-32	TO	10-26-33
F 176 -S	BIG TUJUNGA - MAPLE CREEK NEAR MOUTH	01-16-32	TO	02-14-34
F 112 -R	BIG TUJUNGA - MILL CREEK ABOVE MOUTH	10-01-30	TO	11-26-34
F 169 -S	BIG TUJUNGA - TRAIL CANYON CREEK ABOVE MOUTH	12-09-31	TO	01-25-46
F 155 -S	BIG TUJUNGA WASH AT FOOTHILL BOULEVARD	02-04-28	TO	PRESENT
F 377 -R	BOUQUET CANYON CREEK AT ORBANDALE AVENUE	10-11-67	TO	PRESENT
F 142 -S	BOUQUET CANYON CREEK 1.5 MI NORTH OF SAUGUS	01-08-31	TO	01-31-33
F 264 -S	BOUQUET CREEK 1.5 MI ABOVE TEXAS CANYON	09-18-47	TO	PRESENT
F 329 -R	BRADBURY CHANNEL BELOW CENTRAL AVENUE	06-14-57	TO	PRESENT
F 342 -R	BRANFORD STREET CHANNEL BELOW SHARP AVENUE	01-12-62	TO	PRESENT
F 002 -R	BROWNS CREEK AT DEVONSHIRE AVENUE	12-11-28	TO	10-31-34
F 002B-R	BROWNS CREEK AT VARIEL AVENUE	10-12-61	TO	PRESENT
F 360 -S	BROWNS CREEK AT SHERMAN WAY	09-12-61	TO	PRESENT
F 001 -S	BULL CREEK AT DEVONSHIRE AVENUE	01-09-30	TO	01-29-33
F 109 -S	BULL CREEK AT DEVONSHIRE AVENUE	01-11-30	TO	01-29-33
F 366 -S	BULL CREEK AT RINALDI STREET	12-01-64	TO	PRESENT
F 167 -S	BULL CREEK AT SAN FERNANDO MSSN BLVD BRIDGE	12-13-30	TO	04-06-34
F 358 -S	BULL CREEK AT VICTORY BOULEVARD	12-01-64	TO	PRESENT
F 372 -S	BURBANK EASTERN STORM DRAIN AT FLOWER STREET	10-01-62	TO	PRESENT
E 265 -R	BURBANK WESTERN STORM DRAIN AT RIVERSIDE DR	10-01-49	TO	PRESENT
F 265 -S	BURBANK WESTERN STORM DRAIN AT RIVERSIDE DR	12-10-45	TO	09-30-49
F 370 -S	CABALLERO CREEK AT ERWIN STREET	10-01-61	TO	PRESENT
F 373 -S	CALABASAS CREEK ABOVE VAN OWEN STREET	10-01-61	TO	PRESENT
F 270 -R	CALABASAS CREEK AT VENTURA BOULEVARD	02-17-40	TO	12-12-50
F 140 -S	CASTAIC CREEK AT ELIZABETH LAKE CYN HWY	02-04-38	TO	PRESENT
F 108 -R	CASTAIC CREEK AT HIGHWAY 126	12-27-45	TO	PRESENT
F 108 -S	CASTAIC CREEK 1 1/2 MI WEST OF CASTAIC JUNCT	01-10-35	TO	12-26-45
F 084 -S	CATE DITCH BELOW SLUICE GATE	08-19-28	TO	09-27-51
F 166 -R	CENTINELA CREEK AT CENTINELA BOULEVARD	09-15-32	TO	05-11-36
F 249 -S	CERRITOS SLOUGH AT ANAHEIM STREET	13 MEAS.1935/		11-15-46
F 139 -S	CHARLIE CANYON CREEK ABOVE CASTAIC CREEK	1 MEASUREMENT		02-24-57
F 061 -S	COLD CREEK AT CRATER CAMP	02-27-31	TO	PRESENT
F 302 -R	COMPTON CREEK AT 120TH STREET	01-29-51	TO	PRESENT
F 037 -R	COMPTON CREEK AT ROSECRANS AVENUE	01-22-28	TO	06-09-38
F 037B-R	COMPTON CREEK NEAR GREENLEAF DRIVE	10-03-38	TO	PRESENT
F 256 -S	CORRAL CREEK AT ROOSEVELT HIGHWAY	12-29-35	TO	04-03-36
F 320 -R	COYOTE CREEK AT CENTRALIA STREET	02-09-56	TO	07-02-63
F 041B-R	COYOTE CREEK AT DEL AMO STREET	10-30-36	TO	02-17-37
F 041C-R	COYOTE CREEK AT DEL AMO STREET	02-18-37	TO	02-08-56
F 041 -R	COYOTE CREEK BELOW P.E. BRIDGE NEAR ARTESIA	01-14-30	TO	10-30-36
F 354 -R	COYOTE CREEK BELOW SPRING STREET	12-17-63	TO	PRESENT
F 062 -R	CURSON CANYON AT CURSON AVENUE	01-15-30	TO	09-30-32
F 274 -R	DALTON WASH AT MERCED AVENUE	11-11-40	TO	09-30-58
F 274B-R	DALTON WASH AT MERCED AVENUE	10-01-58	TO	PRESENT
F 178 -S	DEVILS PUNCH BOWL CREEK ABOVE BIG ROCK CREEK	11-28-31	TO	PRESENT
F 355 -R	DOMINGUEZ CHANNEL AT HENRY FORD AVENUE	12-18-63	TO	09-28-66
F 283 -R	DOMINGUEZ CHANNEL AT ROSECRANS AVENUE	01-05-42	TO	09-30-55
F 378 -R	DOMINGUEZ CHANNEL AT VERMONT AVENUE	11-23-66	TO	PRESENT
F 265 -R	DOMINGUEZ CHANNEL(NIGGER SLOUGH)AT CARSON ST.	11-23-38	TO	PRESENT
F 053 -R	DOME CREEK AT PACIFIC COAST HIGHWAY	01-15-30	TO	PRESENT
F 241 -R	DUNSMUIR CANYON CREEK ABOVE DEBRIS BASIN	11-15-34	TO	04-08-35
F 365 -S	EAST CANYON CHANNEL AT CHAMBERLAIN STREET	12-01-64	TO	PRESENT
F 104B-R	EATON WASH AT BROADWAY	12-28-30	TO	11-10-31
F 104 -R	EATON WASH AT ELLIS LANE	10-01-30	TO	05-04-55

STATION NUMBER	STATION NAME	PERIOD OF RECORD		
F 074 -S	EATON WASH AT FOOTHILL BOULEVARD	11-14-28	TO	01-29-35
F 318 -R	EATON WASH AT LOFTUS DRIVE	02-23-56	TO	PRESENT
F 271 -R	EATON WASH BELOW EATON WASH DAM	10-01-40	TO	PRESENT
F 141 -S	ELIZABETH LAKE CREEK ABOVE DRY GULCH	02-12-31	TO	05-25-50
F 095 -S	ELIZABETH LAKE CREEK AT NARROWS	11-13-29	TO	01-23-31
F 141B-S	ELIZABETH LAKE CREEK 2.4 MI ABOVE CASTAIC CK	03-23-51	TO	12-31-70
F 371 -S	ENCINO CREEK AT VENTURA FREEWAY	10-01-61	TO	PRESENT
F 296 -S	EVEY CREEK ABOVE MOUTH OF CANYON	10-21-48	TO	03-29-56
F 296 -R	EVEY CREEK ABOVE MOUTH OF CANYON	12-17-56	TO	01-25-69
U 007 -R	FISH CREEK ABOVE MOUTH OF CANYON	07-01-17	TO	PRESENT
F 131 -S	GAVIN CN CK AT WELDON CN HWY ABOVE TOWSLEY CN	02-03-31	TO	01-01-72
F 132 -S	GAVIN CN CK AT WELDON CN HWY BELOW TOWSLEY CN	01-09-31	TO	12-24-40
F 361 -S	HAINES CANYON CHANNEL AT FOOTHILL BOULEVARD	10-01-64	TO	PRESENT
F 240 -F	HAINES CANYON CREEK BELOW USGS STATION	10-31-34	TO	03-07-35
F 364 WG	HALLS CANYON CHANNEL AT LA CRESCENTA AVENUE	01-01-72	TO	PRESENT
F 179 -S	HOLCOMB CREEK ABOVE BIG ROCK CREEK	02-24-31	TO	09-05-33
F 201 -S	KAGEL CANYON CREEK AT LITTLE TUJUNGA ROAD	02-08-32	TO	01-19-33
F 267 -R	LA TUNA CREEK AT BELMONT COUNTRY CLUB	03-13-46	TO	11-21-55
F 267B-R	LA TUNA CREEK BELOW DEBRIS BASIN	11-21-55	TO	05-04-60
F 267C-R	LA TUNA CREEK BELOW DEBRIS BASIN	02-28-61	TO	06-25-63
F 046 -R	LAGUNA DOMINGUEZ AT WILMINGTON AVENUE	11-24-28	TO	02-08-37
F 210 -R	LAGUNA DOMINGUEZ (NIGGER SLOUGH)AT HARBOR BO	01-05-42	TO	04-06-65
F 275 -S	LAS FLORES CREEK AT ROOSEVELT HIGHWAY	02-21-41	TO	04-16-43
F 350 -R	LIMEKILN CREEK ABOVE ALISO CREEK	12-26-61	TO	PRESENT
F 149 -S	LIMEKILN WASH AT DEVONSHIRE AVENUE	02-08-32	TO	02-16-32
F 149 -R	LIMEKILN WASH AT DEVONSHIRE AVENUE	11-09-39	TO	09-30-57
F 065B-R	LITTLE DALTON CREEK ABOVE MOUTH OF CANYON	11-30-38	TO	08-08-72
F 065 -R	LITTLE DALTON CREEK AT MOUTH OF CANYON	01-28-29	TO	11-23-38
F 030 -S	LITTLE DALTON WASH AT LORRAINE AVENUE	02-04-28	TO	06-10-43
L 001 -R	LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM	10-01-30	TO	PRESENT
F 126 -S	LITTLE ROCK CREEK BELOW LITTLE ROCK DAM	03-01-32	TO	05-17-55
F 073 -S	LITTLE SANTA ANITA CR. AT DOUBLE DR.(ARCADIA)	02-04-28	TO	02-13-32
F 164 -S	LITTLE TUJUNGA CREEK ABOVE GOLD CREEK	06-26-31	TO	05-22-32
F 165 -S	LITTLE TUJUNGA - GOLD CREEK ABOVE MOUTH	06-26-31	TO	05-22-32
F 019 -R	LITTLE TUJUNGA WASH AT FOOTHILL BOULEVARD	12-26-28	TO	PRESENT
F 356 -R	LIVE OAK CREEK BELOW LIVE OAK DAM	11-29-63	TO	PRESENT
F 031 -R	LIVE OAK CREEK NEAR MOUTH OF CANYON	01-04-28	TO	11-01-63
F 311 -R	LIVE OAK WASH BELOW SEVENTH STREET,LA VERNE	07-07-54	TO	12-11-70
F 362 -S	LOPEZ CANYON CHANNEL AT FOOTHILL BOULEVARD	12-01-64	TO	PRESENT
F 259 -S	LOS ALISOS CREEK AT ROOSEVELT HIGHWAY	02-14-36	TO	03-19-42
F 057C-R	LOS ANGELES RIVER ABOVE ARROYO SECO	12-08-39	TO	PRESENT
F 057 -R	LOS ANGELES RIVER AT DAYTON AVENUE	01-06-30	TO	05-26-38
F 034B-R	LOS ANGELES RIVER AT FIRESTONE BOULEVARD	04-11-38	TO	11-03-49
F 034C-R	LOS ANGELES RIVER AT FIRESTONE BOULEVARD	11-04-49	TO	12-11-56
F 266 -R	LOS ANGELES RIVER AT MARIPOSA STREET	12-20-30	TO	11-15-71
F 255 -S	LOS ANGELES RIVER AT NIAGARA STREET	01-16-36	TO	03-12-36
F 035 -S	LOS ANGELES RIVER AT NORTON AVE.(IMPERIAL HWY)	01-26-28	TO	PRESENT
F 180 -R	LOS ANGELES RIVER AT PACIFIC COAST HIGHWAY	10-31-31	TO	01-01-56
F 299 -R	LOS ANGELES RIVER AT RADFORD AVENUE	02-21-50	TO	11-15-71
F 034 -R	LOS ANGELES RIVER AT STEWART AND GRAY ROAD	02-04-28	TO	03-02-38
F 300 -R	LOS ANGELES RIVER AT TUJUNGA AVENUE	05-08-50	TO	PRESENT
F 007 -R	LOS ANGELES RIVER AT UNIVERSAL CITY	01-27-28	TO	12-26-30
F 005 -R	LOS ANGELES RIVER AT VAN NUYS BOULEVARD	02-04-28	TO	08-23-41
F 124 -R	LOS ANGELES RIVER AT VINELAND AVENUE	12-29-30	TO	03-02-38
F 006 -S	LOS ANGELES RIVER AT WHITSETT AVENUE	11-24-28	TO	11-23-33
F 036 -R	LOS ANGELES RIVER AT WILLOW ST.,LONG BEACH	02-01-28	TO	10-31-31
F 252 -S	LOS ANGELES RIVER BELOW BUENA VISTA STREET	12-28-33	TO	09-23-37
F 057B-R	LOS ANGELES RIVER BELOW DAYTON AVENUE	05-26-38	TO	12-08-39
F 034L-R	LOS ANGELES RIVER BELOW FIRESTONE BOULEVARD	12-11-56	TO	PRESENT
E 005C-R	LOS ANGELES RIVER BELOW SEPULVEDA DAM	10-01-52	TO	PRESENT

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F 0056-R	LOS ANGELES RIVER BELOW SEPULVEDA DAM	06-23-43	TO	09-30-52
F 319 -R	LOS ANGELES RIVER BELOW WARDLOW ROAD	01-13-56	TO	PRESENT
F 2796-R	LOS CERRITOS CHANNEL ABOVE ANAHEIM STREET	06-01-49	TO	05-26-55
F 279 -R	LOS CERRITOS CHANNEL AT SEVENTH STREET	11-23-42	TO	06-01-49
F 279C-R	LOS CERRITOS CHANNEL AT STEARNS STREET	10-26-55	TO	PRESENT
F 390 WG	LYONS CANYON WASH AT WILEY CANYON BOULEVARD	01-01-72	TO	PRESENT
F 100 -R	MAIN SPREADING CANAL AT MOUTH OF SAN GAB CYN	02-08-29	TO	01-31-40
F 100 -S	MAIN SPREADING CANAL AT MOUTH OF SAN GAB CYN	02-08-30	TO	PRESENT
F 090 -S	MALIBU CREEK AT MALIBU GORGE	04-04-30	TO	06-30-32
F 130 -R	MALIBU CREEK BELOW COLD CREEK	01-17-31	TO	PRESENT
F 056 -S	MANDEVILLE CANYON CREEK ABOVE BEVERLY BLVD.	01-31-32	TO	01-22-33
M 362 -R	M.W.D. OUTLET NEAR SAN DIMAS	10-29-68	TO	PRESENT
M 391 -S	M.W.D. OUTLET - SAN GABRIEL CANYON	02-08-72	TO	PRESENT
F 102 -S	MESCAL CREEK ABOVE MOUTH OF CANYON	03-13-32	TO	01-05-40
F 112 -S	MILL CREEK ABOVE BIG TUJUNGA CREEK	04-21-38	TO	PRESENT
F 328 -R	MINT CANYON CREEK AT PITCH AVENUE	10-26-56	TO	PRESENT
F 144 -S	MINT CANYON CREEK AT SOLEDAD CANYON HIGHWAY	11-27-31	TO	01-31-33
F 083 -R	MISSION CREEK AT SAN GABRIEL BOULEVARD	07-02-28	TO	PRESENT
F 330 -R	MISSION CREEK BELOW LEGG LAKE	06-08-56	TO	PRESENT
E 321 -R	MISSION CREEK BELOW WHITTIER NARROWS DAM	12-01-55	TO	PRESENT
F 022 -R	MONROVIA CREEK ABOVE SAWPIT CREEK	11-10-27	TO	09-30-61
F 1958-R	MONROVIA STORM DRAIN ABOVE PECK ROAD	12-15-55	TO	07-01-63
F 075 -S	MONROVIA STORM DRAIN AT PECK RD.-4 MEASUREMENTS	1929	TO	1930
F 195 -R	MONROVIA STORM DRAIN AT PECK ROAD	05-01-32	TO	12-29-54
F 181 -R	MONTEBELLO STORM DRAIN ABOVE RIO HONDO	01-12-32	TO	PRESENT
F 158 -S	NICHOLAS CANYON CREEK AT ROOSEVELT HIGHWAY	11-27-31	TO	02-14-36
U 013 -R	PACOIMA AT U.S.G.S. STATION	03-31-16	TO	09-30-29
F 154 -S	PACOIMA CREEK AT DILLIONS RANCH	12-12-30	TO	04-08-32
F 118 -R	PACOIMA CREEK FLUME BELOW PACOIMA DAM	10-01-29	TO	02-01-35
F 1188-R	PACOIMA CREEK FLUME BELOW PACOIMA DAM	02-09-35	TO	PRESENT
F 196 -S	PACOIMA CREEK NEAR MACLAY AVENUE	01-19-33	TO	PRESENT
F 305 -R	PACOIMA DIVERSION AT BRANFORD STREET	10-30-53	TO	PRESENT
F 018 -S	PACOIMA WASH AT FOOTHILL BOULEVARD	10-08-27	TO	03-04-44
F 016 -R	PACOIMA WASH AT PARTHENIA STREET	12-26-28	TO	09-03-52
F 017 -S	PACOIMA WASH AT SAN FERNANDO ROAD	10-08-27	TO	01-17-34
F 015 -R	PACOIMA WASH AT VAN NUYS BOULEVARD	10-14-52	TO	11-02-71
F 015 -S	PACOIMA WASH AT VAN NUYS BOULEVARD	01-04-30	TO	02-25-32
F 197 -S	PACOIMA WASH NEAR ARLETA ST.ABOVE SPRDG GRDS	03-04-32	TO	11-19-52
F 122 -S	PALLETT CREEK AT BIG ROCK CREEK	10-29-30	TO	10-31-61
F 122 -R	PALLETT CREEK AT VALYERMO HIGHWAY	10-31-61	TO	PRESENT
F 121 -S	PALLETT CREEK 1 MILE ABOVE BIG ROCK CREEK	10-25-30	TO	08-15-44
F 290 -S	PALM CREEK AT TELEGRAPH ROAD	02-11-48	TO	PRESENT
F 383 WG	PICKENS CANYON CHANNEL AT LA CRESCENTA AVE.	01-01-72	TO	PRESENT
F 388 WG	PICO CANYON CHANNEL AT WILEY CANYON ROAD	01-01-72	TO	PRESENT
F 136 -S	PICO CANYON CREEK AT HWY 1/2 MI W. OF SAUGUS	06-30-30	TO	02-08-32
F 134 -S	PLACERITA CANYON CREEK 1 MI. WEST OF NEWHALL	01-07-31	TO	02-08-32
F 344 -R	PROJECT 85 - PAC. WASH ABOVE VAN NUYS BLVD.	04-21-60	TO	PRESENT
F 040 -R	PUDDINGSTONE CREEK BELOW PUDDINGSTONE DAM	12-28-27	TO	PRESENT
F 115 -S	PUDDINGSTONE DIVERSION CHANNEL NEAR OUTLET	02-09-32	TO	01-23-33
F 307 -R	PUDD.DIV.CH.-SN.DIM.WAT.CO.OUTLT AT JUANITA	06-16-53	TO	06-20-63
F 089 -S	RINCON DITCH AT NEW DIVERSION	07-02-28	TO	06-14-29
F 248 -S	RIO HONDO ABOVE ARROW HIGHWAY	02-21-35	TO	04-21-36
F 004 -R	RIO HONDO ABOVE MISSION BRIDGE	07-01-28	TO	PRESENT
F 0456-R	RIO HONDO ABOVE STEWART AND GRAY ROAD	11-20-51	TO	PRESENT
F 192 -R	RIO HONDO AT LOWER AZUSA ROAD	02-22-32	TO	05-07-58
F 1926-R	RIO HONDO BELOW LOWER AZUSA ROAD	12-18-58	TO	PRESENT
F 045 -R	RIO HONDO AT STEWART AND GRAY ROAD	03-01-28	TO	11-20-51
E 326 -R	RIO HONDO BELOW GARVEY AVENUE	02-16-56	TO	PRESENT
F 327 -R	RIO HONDO BELOW WHITTIER NARROWS DAM	02-16-56	TO	PRESENT

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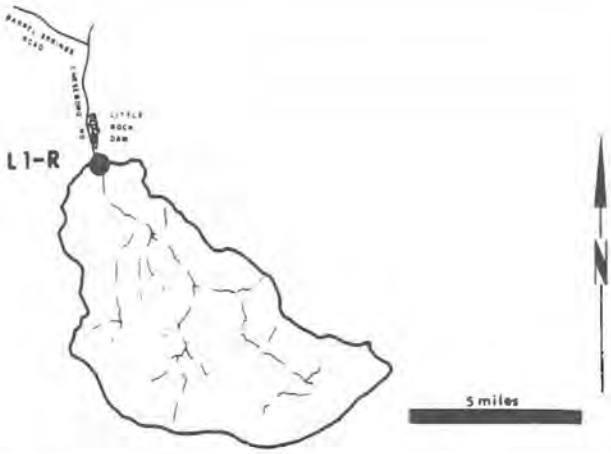
F 325 -R	RIO HONDO-RISING WAT.CH.BELOW WHIT.NARR.DAM	10-23-58	TO	PRESENT
U 006 -S	ROGERS CREEK AT MOUTH OF CANYON	09-19-62	TO	PRESENT
U 006 -R	ROGERS CREEK NEAR AZUSA	05-19-16	TO	09-19-62
F 338 -R	RUBIO DIVERS.CH.BELOW GOOSEBERRY CYN INLET	12-16-59	TO	PRESENT
F 082 -R	RUBIO WASH AT BROADWAY	11-14-28	TO	09-30-30
F 082B-R	RUBIO WASH AT BROADWAY	01-20-32	TO	11-03-36
F 082C-R	RUBIO WASH AT GLENDON WAY	11-06-36	TO	PRESENT
F 107 -R	RUBIO WASH AT LAS TUNAS DRIVE	10-01-30	TO	01-19-32
F 238 -S	RUSTIC CANYON STORM DRAIN ABOVE CHANNEL ROAD	04-12-34	TO	06-05-41
F 323 -R	SAN ANTONIO CREEK ABOVE STODDARD CANYON	02-01-56	TO	11-01-69
F 151 -R	SAN ANTONIO CREEK AT MOUTH OF CANYON	02-20-31	TO	03-31-55
F 053 -R	SAN ANTONIO SPRD. DDS. AT MOUTH OF CANYON	03-10-29	TO	02-14-31
F 332 -R	SAN ANTONIO WAT.CO.DIV.AT ONTARIO #1 PWR HSE	02-08-57	TO	01-03-69
F 091 -S	SAN DIMAS CREEK ABOVE SAN DIMAS DAM	02-19-29	TO	05-06-37
F 101 -S	SAN DIMAS CREEK BELOW SAN DIMAS DAM	11-01-51	TO	PRESENT
F 303 -R	SAN DIMAS CREEK BELOW SAN DIMAS DAM	12-24-51	TO	PRESENT
F 218 -R	SAN DIMAS WASH BELOW PUDD.STONE DIVERS. DAM	01-26-33	TO	PRESENT
F 094 -S	SAN FRANCISQUITO CREEK NEAR CASTAIC JUNCTION	11-27-29	TO	02-27-31
F 22CB-R	SAN GAB.-AZUSA COND.10-FT WEIR BELOW S.G.DAM	10-23-63	TO	PRESENT
F 220 -R	SAN GABRIEL-AZUSA COND.AT NO. PORTAL #4B TUNN	02-17-33	TO	10-23-63
F 250 -R	SAN GAB.-AZUSA COND.25 FT.WEIR BELOW S.G.DAM	02-14-35	TO	PRESENT
F 250 -R	SAN GABRIEL-AZUSA CONDUIT BELOW SAND BOX	03-17-34	TO	02-13-35
S 100A-R	SAN GAB-AZUZA-DUARTE TUN.DIV.AT MO. S.G. CYN	1918	TO	PRESENT
F 025 -S	SAN GABRIEL - BEAR CREEK ABOVE MOUTH	02-08-28	TO	07-03-34
F 099 -R	SAN GABRIEL - BEAR CREEK ABOVE WEST FORK	10-01-29	TO	12-20-35
F 099B-R	SAN GABRIEL - BEAR CREEK ABOVE WEST FORK	12-20-35	TO	02-06-38
F 079 -S	SAN GABRIEL - BROWNS GULCH ABOVE MOUTH	03-27-33	TO	10-14-34
F 029 -S	SAN GABRIEL - CATTLE CYN CREEK ABOVE E. FORK	10-03-28	TO	11-22-33
F 227 -R	SAN GABRIEL-DEVILS CYN.CK.ABOVE S.GAB.DAM #2	11-16-33	TO	02-01-38
M 335 -R	SAN GAB.-M.W.D. OUTLT.BELOW SAN BERNADINO RD.	11-30-57	TO	PRESENT
F 262B-R	SAN GABRIEL RIVER ABOVE FLORENCE AVENUE	08-06-68	TO	PRESENT
P 005 -R	SAN GABRIEL RIVER ABOVE PASADENA DAM SITE	10-14-32	TO	11-17-33
F 042B-R	SAN GABRIEL RIVER ABOVE SPRING STREET	11-16-64	TO	PRESENT
F 247B-S	SAN GABRIEL RIVER AT ARROW HIGHWAY	02-21-35	TO	02-11-43
F 263 -R	SAN GABRIEL RIVER AT BEVERLY BOULEVARD	02-04-37	TO	03-06-52
F 263B-R	SAN GABRIEL RIVER AT BEVERLY BOULEVARD	03-06-52	TO	08-09-68
F 028 -R	SAN GABRIEL RIVER AT EDISON INTAKE	11-06-27	TO	06-03-37
F 261 -R	SAN GABRIEL RIVER AT ELLIOT AVENUE	03-11-37	TO	09-30-41
F 190 -R	SAN GABRIEL RIVER AT FOOTHILL BOULEVARD	04-25-32	TO	PRESENT
F 262 -R	SAN GABRIEL RIVER AT FLORENCE AVENUE	02-27-37	TO	09-30-67
F 000 -R	SAN GABRIEL RIVER AT HOAG RANCH	02-13-26	TO	05-26-33
E 322 -R	SAN GABRIEL RIVER AT PECK ROAD	10-01-55	TO	PRESENT
F 042 -R	SAN GABRIEL RIVER AT SPRING STREET	02-06-28	TO	05-26-64
F 237 -R	SAN GABRIEL RIVER AT TELEGRAPH ROAD	04-04-34	TO	09-05-35
F 261B-R	SAN GABRIEL RIVER AT VALLEY BOULEVARD	10-01-41	TO	04-23-46
F 003 -R	SAN GABRIEL RIVER AT WHITTIER BOULEVARD	09-01-28	TO	01-27-37
F 223 -S	SAN GABRIEL RIVER BELOW EDISON INTAKE	02-22-33	TO	04-10-33
F 222 -S	SAN GABRIEL RIVER BELOW F.C. DAM #1	02-15-33	TO	10-26-33
F 191B-R	SAN GABRIEL RIVER BELOW GARVEY AVENUE	04-01-32	TO	01-25-37
P 006 -R	SAN GABRIEL RIVER BELOW MORRIS DAM	10-04-35	TO	01-02-37
U 006 -R	SAN GABRIEL RIVER BELOW MORRIS DAM	05- 1894	TO	PRESENT
F 206 -S	SAN GABRIEL RIVER BELOW MORRIS DAM	08-03-33	TO	PRESENT
F 263C-R	SAN GABRIEL RIVER BELOW SAN GAB.RIV. PARKWAY	08-09-68	TO	PRESENT
E 201 -R	SAN GABRIEL RIVER BELOW SANTA FE DAM	02-09-43	TO	PRESENT
F 086 -S	SAN GABRIEL RIVER BELOW STANDEFER DITCH	09-14-38	TO	PRESENT
F 201C-R	SAN GABRIEL RIVER BELOW VALLEY BOULEVARD	11-29-60	TO	PRESENT
F 314 -R	SAN GAB.RIV.BYPASS CH.ABOVE WHIT.NARROWS DAM	08-05-54	TO	09-30-65
F 002 -R	SAN GABRIEL RIVER - E. FORK BELOW CATTLE CYN.	11-06-24	TO	09-30-32
F 027 -S	SAN GABRIEL RIVER - E. FORK BELOW CATTLE CYN	01-31-28	TO	12-12-29
F 096 -R	SAN GABRIEL RIVER - E. FORK BELOW CATTLE CYN.	10-03-29	TO	04-17-34

STATION NUMBER	STATION NAME	PERIOD OF RECORD		
F 078 -S	SAN GABRIEL RIVER - EAST FORK ABOVE DAM SITE	02-06-28	TO	09-12-29
P 004 -R	SAN GABRIEL RIVER -EAST FORK ABOVE FORKS	11-30-32	TO	12-10-36
P 004B-R	SAN GABRIEL RIVER -EAST FORK ABOVE FORKS	12-10-38	TO	PRESENT
F 253 -R	SAN GABRIEL RIVER NEAR ROBERTS RELAY STATION	02-05-34	TO	12-28-37
F 098 -R	SAN GABRIEL RIVER-NORTH FORK ABOVE NARROWS	09-03-29	TO	03-02-38
F 026 -S	SAN GABRIEL RIVER - NORTH FORK AT NARROWS	02-08-28	TO	12-20-29
S 100B-R	SAN GAB RIVER OLD DUARTE DITCH BELOW NDWKS	1918	TO	PRESENT
F 224 -S	SAN GABRIEL RIVER ON RAIL ROAD BRIDGE	03-21-33	TO	05-26-33
F 206 -S	SAN GABRIEL RIVER - W. FORK ABOVE DEVILS CYN	05-26-32	TO	05-10-34
F 228 -R	SAN GABRIEL RIVER-W.FORK ABOVE S.GAB DAM #2	12-06-33	TO	01-26-36
F 209 -R	SAN GABRIEL RIVER-W.FORK BELOW COGSWELL DAM	12-08-33	TO	PRESENT
F 076 -S	SAN GAB RIVER - WEST FORKS ABOVE BEAR CREEK	11-12-28	TO	05-12-36
F 077 -S	SAN GABRIEL RIVER - WEST FORK ABOVE FORKS	10-12-28	TO	03-07-30
P 001 -R	SAN GABRIEL RIVER - WEST FORK ABOVE FORKS	11-08-23	TO	12-03-30
P 003 -R	SAN GABRIEL RIVER - WEST FORK ABOVE FORKS	12-03-30	TO	PRESENT
F 023 -S	SAN GABRIEL RIVER - WEST FORK ABOVE NARROWS	01-21-32	TO	05-26-32
F 097 -R	SAN GABRIEL RIVER-WEST FORK ABOVE NORTH FORK	10-01-30	TO	10-02-34
F 228 -R	SAN GABRIEL RIVER-W.FORK ABOVE SAN GAB DAM #2	12-06-33	TO	01-26-36
F 024 -S	SAN GABRIEL RIVER - WEST FORK AT NARROWS	11-12-28	TO	05-24-29
F 251 -R	SAN GABRIEL RIVER-W.FORK AT TOE OF COGS. DAM	04-26-35	TO	PRESENT
P 003B-R	SAN GABRIEL RIVER - WEST FORK BELOW N FORK	07-12-36	TO	09-27-36
F 312 -R	SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD	09-13-55	TO	PRESENT
F 292 -S	SAN JOSE CREEK AT HACIENDA AVENUE	04-15-46	TO	PRESENT
F 357 -R	SAN JOSE CREEK AT MISSION MILL ROAD	12-09-64	TO	09-27-72
F 048 -R	SAN JOSE CREEK AT WORKMAN MILL ROAD	01-02-29	TO	12-09-64
F 103 -R	SAN PASQUAL WASH AT S.P.R.R. MAIN LINE	10-01-30	TO	09-30-32
F 273 -S	SAN PASQUAL WASH BELOW HUNTINGTON DRIVE	12-24-40	TO	02-15-41
F 145 -S	SAND CANYON CREEK AT SOLEDAD CANYON HIGHWAY	02-04-31	TO	01-31-33
F 289 -S	SANDROCK CREEK AT PEARBLOSSOM HIGHWAY	10-15-47	TO	PRESENT
F 200 -R	SANTA ANITA CREEK ABOVE LITTLE SANTA ANITA CK	08-17-36	TO	04 09-36
F 021 -R	SANTA ANITA CREEK BELOW BIG SANTA ANITA DAM	08-19-27	TO	04-07-35
F 119 -R	SANTA ANITA CREEK BELOW BIG SANTA ANITA DAM	09-26-35	TO	02-06-48
F 119B-R	SANTA ANITA CREEK BELOW BIG SANTA ANITA DAM	02-06-48	TO	09-30-63
F 119C-R	SANTA ANITA CREEK BELOW SANTA ANITA DAM	01-13-64	TO	PRESENT
F 071 -S	SANTA ANITA WASH AT FOOTHILL BOULEVARD	10-05-27	TO	01-29-33
F 260B-R	SANTA ANITA WASH AT FOOTHILL BOULEVARD	04-10-36	TO	04-20-59
F 193B-R	SANTA ANITA WASH AT LONGDEN AVENUE	01-05-60	TO	PRESENT
F 193 -R	SANTA ANITA WASH BELOW ARROW HIGHWAY	05-01-32	TO	05-01-36
F 260C-R	SANTA ANITA WASH BELOW FOOTHILL BOULEVARD	12-11-59	TO	PRESENT
F 093 -S	SANTA CLARA RIVER ABOVE LANG R.R. STATION	11-06-29	TO	09-22-49
F 093 -R	SANTA CLARA RIVER ABOVE LANG R.R. STATION	10-18-49	TO	01-27-70
F 147 -S	SANTA CLARA RIVER AT BOUQUET CANYON ROAD	01-08-31	TO	01-31-38
F 093B-R	SANTA CLARA RIVER AT LANG R.R. BRIDGE	04-03-70	TO	PRESENT
F 092 -R	SANTA CLARA RIVER AT OLD HIGHWAY BRIDGE	10-25-29	TO	03-28-38
F 092 -R	SANTA CLARA RIVER AT OLD HIGHWAY BRIDGE	10-04-56	TO	PRESENT
F 092B-R	SANTA CLARA RIVER BELOW THE OLD ROAD	10-01-38	TO	09-27-56
F 137 -R	SANTA CLARA RIVER 1/2 MI WEST OF COUNTY LINE	10-01-46	TO	09-01-53
F 137B-S	SANTA CLARA RIVER 1 MILE EAST OF COUNTY LINE	11-11-30	TO	10-01-48
F 135 -R	SANTA CLARA RIVER -SO. FORK AT MAGIC MT PKWY	12-22-45	TO	PRESENT
F 260 -R	SANTA FE CHANNEL BELOW SANTA FE DAM	10-01-42	TO	PRESENT
F 272 -S	SANTA MONICA CREEK ABOVE RUSTIC CANYON	03-28-40	TO	PRESENT
F 055 -S	SANTA MONICA CREEK BELOW RUSTIC CANYON	11-27-31	TO	03-15-56
F 307 -S	SANTA SUSANA CREEK AT TOPANGA CANYON BLVD.	08-31-64	TO	PRESENT
F 125 -S	SANTIAGO CREEK ABOVE LITTLE ROCK CREEK	04-04-33	TO	06-04-53
F 125 -R	SANTIAGO CREEK ABOVE LITTLE ROCK CREEK	09-29-53	TO	PRESENT
U 005 -R	SAWPIT CREEK BELOW MONROVIA CREEK	11-08-16	TO	PRESENT
F 278 -R	SAWPIT CREEK BELOW SAWPIT DAM	02-06-42	TO	PRESENT
F 194 -R	SAWPIT WASH ABOVE ARROW HIGHWAY	02-22-32	TO	09-30-35
F 194 -S	SAWPIT WASH AT LONGDEN AVENUE	05-05-55	TO	07-01-65
F 194B-R	SAWPIT WASH BELOW LIVE OAK AVENUE	12-05-60	TO	PRESENT

STATION NUMBER	STATION NAME	PERIOD OF RECORD		
F 301 -R	SAWTELLE-WESTWOOD CHANNEL ABOVE CULVER BLVD	01-22-51	TO	PRESENT
F 385 WG	SCHOOLHOUSE CYN.CHAN.BELOW FOOTHILL BLVD.	01-01-72	TO	PRESENT
F 105 -R	SEPULVEDA CK(SAWTELLE-WESTWOOD CH)AT CHARNOCK	09-15-32	TO	05-29-50
F 088 -S	SHEEP CREEK BELOW TEMPLE DIVERSION	07-02-28	TO	07-12-29
F 267B-R	SIERRA MADRE AT HIGHLAND OAKS AVENUE	10-30-30	TO	PRESENT
F 067 -R	SIERRA MADRE WASH BELOW SIERRA MADRE DAM	01-28-29	TO	05-20-36
F 067B-R	SIERRA MADRE WASH BELOW SIERRA MADRE DAM	05-21-36	TO	PRESENT
F 188 -S	SLAUSON STORM DRAIN AT COCHRAN AVENUE	12-21-31	TO	02-19-32
F 257 -S	SOLSTICE CREEK AT ROOSEVELT HIGHWAY	02-01-36	TO	02-04-43
F 068 -S	SPANISH CREEK ABOVE SAWPIT CREEK	03-16-30	TO	03-17-30
F 085 -S	STANDEFER DITCH BELOW HEAD GATE	07-02-28	TO	09-27-56
B 324 -R	STODDARD CREEK ABOVE SAN ANTONIO CREEK	10-28-58	TO	02-01-70
F 043 -R	SYCAMORE CANYON CHANNEL ABOVE SOLWAY STREET	01-30-28	TO	01-06-70
F 044 -R	SYCAMORE CANYON CHANNEL AT ADAMS SQUARE	12-15-27	TO	08-03-48
F 044B-R	SYCAMORE CANYON CHANNEL AT ADAMS SQUARE	08-03-48	TO	04-04-63
F 276 -R	THOMPSON CK.SPROG.GRDS.AT INTAKE F.C. DAM	01-14-41	TO	PRESENT
F 032 -S	THOMPSON CREEK BELOW THOMPSON CREEK DAM	12-28-31	TO	12-20-43
F 032 -R	THOMPSON CREEK BELOW THOMPSON CREEK DAM	12-21-43	TO	09-30-44
F 032B-R	THOMPSON CREEK BELOW THOMPSON CREEK DAM	10-01-44	TO	PRESENT
F 146 -S	TICK CANYON CREEK AT SOLEDAD CANYON HIGHWAY	02-04-31	TO	01-22-33
F 054 -R	TOPANGA CREEK ABOVE MOUTH OF CANYON	01-01-30	TO	06-04-40
F 054B-R	TOPANGA CREEK ABOVE MOUTH OF CANYON	06-05-40	TO	PRESENT
F 389 WG	TOWSLEY CANYON CHANNEL ABOVE GAVIN CYN. CHAN.	01-01-72	TO	PRESENT
F 258 -S	TRANCAS CREEK AT ROOSEVELT HIGHWAY	12-29-35	TO	04-16-43
F 258B-S	TRANCAS CREEK 1/2 MI ABOVE PACIFIC COAST HWY	10-17-63	TO	PRESENT
F 066 -S	TRI-CITY OUTFALL SEWER ABOVE RIO HONDO	11-12-28	TO	09-29-38
F 066B-S	TRI-CITY OUTFALL SEWER OUTLET OF PIPELINE	10-06-38	TO	03-04-48
F 059 -S	TRIUNFO CREEK AT CRAGS COUNTRY CLUB DAM	03-18-32	TO	05-06-32
F 203 -S	TRIUNFO CREEK AT SHERWOOD DAM	02-01-32	TO	04-13-33
E 020C-R	TUJUNGA WASH ABOVE GLENOAKS BOULEVARD	10-01-52	TO	PRESENT
F 020B-R	TUJUNGA WASH AT GLENOAKS BOULEVARD	01-11-40	TO	04-11-51
F 105 -R	TUJUNGA WASH AT MAGNOLIA BOULEVARD	08-19-30	TO	03-24-49
F 020 -S	TUJUNGA WASH AT MULHOLLAND AVENUE	01-31-31	TO	04-01-32
F 114 -S	TUJUNGA WASH AT SAN FERNANDO ROAD	01-31-31	TO	07-22-32
F 020 -R	TUJUNGA WASH AT STONEHURST AVENUE	04-29-32	TO	11-02-39
E 286 -R	TUJUNGA WASH BELOW HANSEN DAM IN LOW FLOW CH	10-01-40	TO	09-30-52
F 105B-R	TUJUNGA WASH BELOW MOORPARK STREET	03-22-50	TO	08-25-72
F 359 -S	TUJUNGA WASH-CENTRAL BRANCH AT VINELAND AVE.	12-01-61	TO	PRESENT
F 106 -R	TUJUNGA WASH - CENTRAL BR. AT MAGNOLIA BLVD.	08-19-30	TO	08-13-59
F 011 -S	TUJUNGA WASH - CENTRAL BR. AT S.P.R.R. BRIDGE	02-04-28	TO	01-01-34
F 291 -S	VALYERMO RANCH SPRINGS CK AT PEARBLOSSOM HWY	10-15-47	TO	PRESENT
F 236 -R	VERDUGO CHANNEL AT APEECHEE WAY	02-09-34	TO	12-21-34
F 264 -R	VERDUGO CHANNEL AT DEL VALLE AVENUE	01-14-38	TO	01-17-57
F 244 -R	VERDUGO CHANNEL AT DON CARLOS STREET	12-13-34	TO	08-10-37
F 009 -R	VERDUGO CHANNEL AT GLENOAKS BOULEVARD	12-13-28	TO	12-31-34
F 386 WG	VERDUGO CHANNEL AT LA TUNA CANYON ROAD	01-01-72	TO	PRESENT
F 387 WG	VERDUGO CHANNEL BELOW NEW YORK AVENUE	01-01-72	TO	PRESENT
F 252 -R	VERDUGO WASH AT ESTELLE AVENUE	12-02-35	TO	PRESENT
F 138 -S	VIOLIN CANYON WASH AT CASTAIC CREEK	02-04-31	TO	01-20-33
F 047 -R	WALNUT CREEK AT BALDWIN PARK AVENUE	12-15-28	TO	10-14-52
F 304 -R	WALNUT CREEK AT PUENTE AVENUE	10-14-52	TO	PRESENT
F 148 -S	WELDON CANYON CREEK 1/2 MI ABOVE AQUEDUCT	12-13-30	TO	01-22-33
F 364 -S	WILSON CANYON CHANNEL AT ASTORIA STREET	12-01-64	TO	PRESENT
F 050 -S	WILSON CANYON NEAR COUNTY HOSPITAL	02-08-32	TO	05-06-37

STATION NO. L 1 - R
LITTLE ROCK CREEK
above Little Rock Dam

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 49.2 square miles

LOCATION – 2.0 miles above Little Rock Dam; 5.0 miles south of Little Rock

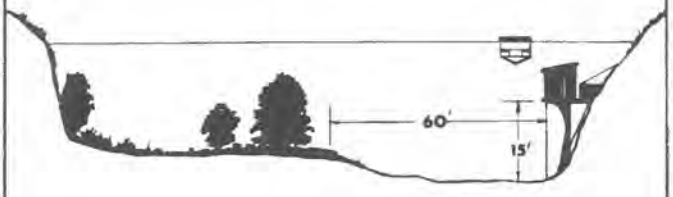
REGULATION – none

CHANNEL – sand, gravel, and boulders; natural in section

CONTROL – channel forms control

LENGTH OF RECORD – October 1, 1930, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

L1-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE ROCK CREEK above Little Rock Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.6	a 3.1	5.5	5.5	3.8	275	24	12	3.9	1.1	e 0.2	0
2	0.6	a 3.1	5.5	5.0	4.4	110	21	11	2.8	0.7	e 0.1	0
3	0.6	a 3.1	5.5	5.0	5.0	71	19	11	2.2	e 0.7	e 0.1	0
4	0.6	a 3.1	5.5	5.0	5.0	51	19	11	1.6	e 0.7	e 0.1	0
5	0.6	a 3.1	5.0	3.8	5.5	46	17	10	1.1	e 0.7	e 0.1	0
6	1.1	a 20	7.0	3.8	5.5	42	17	10	0.6	e 0.7	e 0.1	0
7	1.1	a 15	6.2	5.0	5.5	41	17	9.2	0.6	e 0.6	e 0.1	0
8	1.1	a 14	5.5	5.0	5.5	43	17	10	0.6	e 0.6	e 0.1	0
9	1.1	a 12	5.0	5.0	8.5	44	17	10	1.1	e 0.6	e 0.1	0
10	0.6	a 11	5.0	11	82	40	17	10	1.6	e 0.6	e 0.1	0
11	0.6	a 9.8	5.0	12	133	34	19	11	1.6	e 0.6	e 0.1	0
12	0.6	a 8.5	5.0	9.2	59	31	19	11	1.1	e 0.5	e 0.1	0
13	0.6	a 8.0	5.0	7.8	40	34	19	10	2.2	e 0.5	0	0
14	0.6	a 7.5	5.5	6.2	29	34	19	10	2.8	e 0.5	0	0
15	a 0.9	a 7.0	5.5	6.2	21	53	19	9.2	2.8	e 0.5	0	0
16	a 1.3	a 6.5	5.0	6.2	16	52	17	9.2	2.8	e 0.4	0	0
17	a 1.6	a 6.0	5.0	8.5	14	51	16	9.2	2.2	e 0.4	0	0
18	a 2.0	a 5.5	5.0	7.8	13	48	15	9.2	1.6	e 0.4	0	0
19	a 2.3	a 4.9	5.0	7.0	11	41	14	8.5	1.1	e 0.4	0	0
20	a 2.7	a 4.9	5.0	7.0	11	36	13	8.5	1.1	e 0.3	0	0
21	a 3.0	a 5.0	5.5	7.0	10	32	13	8.5	e 0.5	e 0.3	0	0
22	a 3.4	a 5.1	6.2	6.2	10	30	12	7.8	e 0.5	e 0.3	0	0
23	a 3.4	a 5.2	5.5	5.5	11	31	13	7.0	e 0.5	e 0.3	0	0
24	a 3.4	a 5.2	5.5	6.2	10	31	12	5.5	e 0.4	e 0.3	0	0
25	a 3.3	a 5.3	6.2	5.5	9.2	33	e 12	5.5	e 0.4	e 0.3	0	0
26	a 3.3	a 5.3	7.0	5.0	9.2	34	e 12	6.2	e 0.4	e 0.3	0	0
27	a 3.3	a 5.3	6.2	5.5	8.5	34	e 12	5.5	e 0.5	e 0.2	0	0
28	a 3.2	a 5.3	5.5	5.0	65	30	e 12	5.5	e 0.3	e 0.2	0	0
29	a 3.2	a 5.4	4.4	5.0		28	e 12	6.2	0.6	e 0.2	0	0
30	a 3.2	a 5.4	6.2	5.0		28	e 12	5.0	1.1	e 0.2	0	0
31	a 3.2		6.2	4.4		36		4.4		e 0.2	0	
MEAN	1.84	6.98	5.52	6.20	21.8	75.7	15.9	8.62	1.35	0.46	0.04	0
ACRE-FEET	113	416	339	381	1,210	2,310	946	530	80	28	2.6	0

YEAR OR PERIOD MEAN 94.6
ACRE-FEET 6,850

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO L1-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE ROCK CREEK above Little Rock Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	70	19	23	15	13	7.8	5.5	1.1	e 0.3	0
2	0	0	51	24	21	13	10	7.8	5.5	1.1	e 0.2	0
3	0	0	39	20	20	14	11	7.8	5.5	1.1	e 0.1	0
4	0	0	32	20	18	13	10	7.8	5.0	1.1	e 0.1	0
5	0	0	29	19	16	12	8.5	7.8	5.0	1.1	e 0.1	0
6	0	0	26	17	16	12	9.2	7.8	5.0	1.1	e 0.1	0
7	0	0	24	19	16	12	9.2	7.8	4.4	1.1	e 0.1	0
8	0	0	22	17	15	12	9.2	7.8	3.8	0.6	e 0.1	0
9	0	+	21	20	15	12	9.2	7.8	3.3	1.1	e +	0
10	0	1.1	21	23	15	12	10	7.8	3.3	0.6	e +	0
11	0	1.6	20	27	17	12	10	7.8	3.8	1.1	e +	0
12	0	1.1	19	31	18	13	9.2	7.8	3.8	0.6	e +	0
13	0	2.8	16	33	18	18	9.2	7.8	3.3	1.1	e +	0
14	0	2.8	15	33	17	18	12	7.8	3.3	1.1	e +	0
15	0	2.2	14	34	17	a 17	12	7.8	2.8	0.6	e +	0
16	0	1.6	13	37	20	a 16	11	7.8	2.2	0.6	e +	0
17	0	1.1	12	53	25	a 15	12	7.8	1.6	0.6	e +	0
18	0	0.6	7.0	79	21	15	12	7.0	2.2	0.6	e +	0
19	0	1.1	5.5	92	20	15	12	7.0	2.2	0.6	e +	0
20	0	1.1	4.4	84	19	15	11	5.5	2.2	0.6	e +	0
21	0	0.6	8.5	88	19	10	10	5.5	2.2	0.6	e +	0
22	0	0.6	7.8	64	18	10	11	5.5	1.6	0.6	e +	0
23	0	1.1	6.2	54	19	11	9.2	5.0	1.6	0.6	0	0
24	0	1.1	6.2	46	19	12	9.2	5.0	1.1	0.6	0	0
25	0	1.1	6.2	34	19	13	9.2	5.0	0.6	0.6	0	0
26	0	1.6	7.0	35	18	15	10	5.0	0.6	0.6	0	0
27	0	2.2	9.2	32	16	18	10	5.0	0.6	0.6	0	0
28	0	3.3	9.2	30	15	16	9.2	7.8	0.6	0.6	0	0
29	0	453	10	27		15	8.5	7.0	1.1	0.6	0	0
30	0	130	12	26		15	7.8	6.2	1.1	e 0.5	0	0
31	0		15	24		15		5.5		e 0.4	0	

MEAN	0	2.04	17.8	37.1	18.2	13.9	10.1	6.92	2.83	0.77	0.03	0
ACRE-FEET	0	1,210	1,100	2,280	1,010	855	603	426	168	47	2.2	0

YEAR OR PERIOD MEAN 10.6
ACRE-FEET 7,700

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO L1-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE ROCK CREEK above Little Rock Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	.3	1.8	19	11	8.3	4.7	2.4	1.9	.2	0	0
2	0	.6	1.8	17	11	7.2	4.7	2.3	1.8	.2	0	0
3	0	.6	1.8	16	9.4	6.9	4.6	2.3	1.8	.2	0	0
4	0	1.1	1.8	16	10	7.0	4.6	2.3	1.8	.2	0	0
5	0	1.1	1.8	15	9.6	8.0	4.5	2.2	1.8	.2	0	0
6	0	1.1	1.8	15	9.9	9.0	4.5	2.2	1.7	.2	0	0
7	0	1.1	1.8	15	9.2	10	4.4	2.2	5.2	.2	0	0
8	0	1.6	1.8	16	9.2	9.5	4.4	2.1	5.6	.1	0	0
9	0	1.6	1.8	16	8.8	8.6	4.3	2.1	2.2	.1	0	0
10	0	1.6	1.8	16	8.6	8.6	4.2	2.1	1.0	.1	0	0
11	0	1.6	1.8	16	8.6	7.5	4.1	2.1	1.6	0	0	0
12	0	1.6	1.8	16	8.4	7.0	4.0	2.0	1.3	0	0	0
13	0	1.6	1.8	17	8.4	6.5	3.9	2.0	1.2	0	0	0
14	0	1.6	1.8	18	8.3	6.0	3.8	2.0	1.1	0	0	0
15	0	1.6	1.8	16	8.3	6.3	3.7	2.0	1.1	0	0	0
16	0	1.6	1.9	15	8.3	5.5	3.5	2.0	1.0	0	0	0
17	0	1.6	1.9	14	8.2	5.5	3.4	2.0	1.0	0	0	0
18	0	1.6	1.9	14	8.2	5.8	3.3	2.0	.9	0	0	0
19	0	1.6	1.9	13	8.2	5.1	3.2	2.0	.8	0	0	0
20	0	1.6	2.0	12	8.2	5.1	3.1	2.0	.8	0	0	0
21	0	1.6	5.5	12	8.0	5.0	3.0	2.0	.7	0	0	0
22	0	1.6	24	11	7.8	5.0	2.9	2.0	.6	0	0	0
23	0	1.6	18	14	7.8	5.2	2.8	2.0	.6	0	0	0
24	0	1.6	382	17	7.6	5.1	2.8	2.0	.5	0	0	0
25	0	1.6	382	14	7.6	5.1	2.7	2.0	.5	0	0	0
26	0	1.6	216	12	7.1	4.9	2.6	2.0	.5	0	0	0
27	0	1.6	93	12	7.0	4.8	2.5	2.0	.6	0	0	0
28	0	1.6	54	11	7.6	4.8	2.5	2.0	.8	0	0	0
29	0	1.6	41	9.4	8.2	4.8	2.4	1.9	.3	0	0	0
30	0	1.8	34	11		4.8	2.4	1.9	.2	0	0	0
31	0		23	12		4.8		1.9		0	0	

MEAN	0	1.43	41.6	14.4	8.57	6.38	3.58	2.06	1.36	0.06	0	0
ACRE-FEET	0	85	2,560	887	493	392	213	127	81	3.4	0	0

YEAR OR PERIOD MEAN 6.67
ACRE-FEET 4,840

STATION DATA SUMMARY

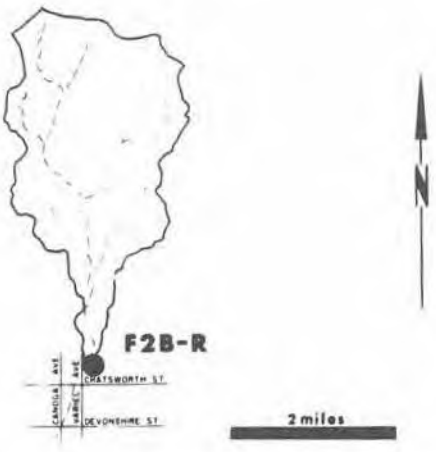
STA. NO. L1-R
LITTLE ROCK CREEK ABOVE LITTLE ROCK DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1930-31	195	0	5.0	3610	4	26	430
1931-32	830	0	*	16730*	2	8	2200
1932-33	56	0	5.8	4180	3	9	66
1933-34	455	0	5.2	3770			N.D.
1934-35	716	0	24.4	17640	2	5	925
1935-36	127	0	4.6	3320	2	23	261
1936-37	679	0	30.3	21950	2	6	1550
1937-38	N.D.	0	N.D.	N.D.	3	2	17000
1938-39	NO RECORD						
1939-40	183	0	9.6	7000	1	8	555
1940-41	1730	0	71.3	51620	2	20	2240
1941-42	55	+	7.1	5140	4	14	92
1942-43	2730 E	0	49.5	35870	1	23	5700
1943-44	736	0.8	49.6	35940	2	22	902
1944-45	323	0.1	12.8	9250	11	11	1080
1945-46	604	0	16.7	12150	12	21	1100
1946-47	1740	0	21.9	15840	12	26	3180
1947-48	62	0	3.4	2450	4	29	122
1948-49	33	0	4.4	3170	4	14	37
1949-50	114	0	3.4	2470	2	6	212
1950-51	4.7	0	0.6	432	5	4	5.0
1951-52	311	0	31.6	22890	12	30	502
1952-53	33	0	4.2	3020	1	9	36
1953-54	328	0	11.6	8430	1	25	655
1954-55	116	+	10.1	7310	11	11	236
1955-56	424	0	7.5	5470	1	26	1050
1956-57	399	0	6.3	4560	1	13	1040
1957-58	521	0	40.7	29500	12	15	1070
1958-59	153	0	5.7	4150	2	16	598
1959-60	15	0	2.4	1750	1	26	17
1960-61	25	0	1.8	1290	11	6	37
1961-62	2060	0	25.8	18640	2	11	3180
1962-63	112	0	3.0	2200	2	10	314
1963-64	38	0	3.8	2800	4	1	49
1964-65	115	0	7.1	5150	4	19	155
1965-66	1700	0	33.9	24500	12	29	5240
1966-67	1330	0	29.2	21230	12	6	1970
1967-68	204	+	11.6	8390	11	21	444
1968-69	1810	+	57.2	41430	1	25	5900
1969-70	175	0	9.5	6850	2	10	287
1970-71	453	0	10.6	7700	11	29	1490
1971-72	382	0	6.0	4320	12	24	801

N.D. = NOT DETERMINED
E = ESTIMATE
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 2B-R
BROWNS CREEK
at Variel Avenue

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading

DRAINAGE AREA - 13.5 square miles

LOCATION - 100.0 feet upstream from Variel Avenue, 1.0 mile northeast of Chatsworth

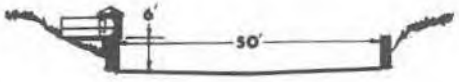
REGULATION - none

CHANNEL - sand and gravel with pipe and wire revetments, temporarily improved section

CONTROL - concrete stabilizer

LENGTH OF RECORD -
at Station F2-R, December 11, 1928, to August 27, 1932
October 2, 1935, to October 31, 1939
at Station F2B-R, October 12, 1961, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F2B-R

DAILY DISCHARGE IN SECOND-FEET OF BROWNS CREEK at Variel Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
	0.2	0.2	0.2	a 0.2	0.2	53	0.2	+	0	0	0	0
	0.2	0.2	0.2	a 0.2	0.2	7.7	0.2	+	0	0	0	0
	a 0.2	0.2	0.2	a 0.2	0.2	2.5	0.4	+	0	0	0	0
	a 0.2	0.2	0.2	a 0.2	0.4	4.9	0.4	+	0	0	0	0
	a 0.2	0.2	0.2	a 0.2	0.4	b 2.1	0.2	+	0	0	0	0
	a 0.2	1.4	0.2	a 0.2	0.2	b 1.9	0.2	0.1	0	0	0	0
	a 0.2	1.0	0.2	a 0.2	0.2	b 1.7	0.4	0.1	0	0	0	0
	a 0.2	0.9	0.2		0.2	b 1.5	0.4	0.1	0	0	0	0
	0.2	0.9	0.2		0.4	2.5	b 1.4	0.2	+	0	0	0	0
	a 0.2	1.0	0.2		0.9	7.0	b 1.3	0.2	+	0	0	0	0
	a 0.2	0.4	0.2		0.7	d 6.0	b 1.2	0.2	+	0	0	0	0
	a 0.2	0.4	0.2		0.4	d 5.0	1.2	0.2	+	0	0	0	0
	a 0.2	0.2	0.2		0.2	d 4.0	1.2	0.2	0	0	0	0	0
	a 0.2	0.2	0.2		0.4	d 3.0	0.9	0.2	0	0	0	0	0
	0.2	0.4	0.2		0.6	d 2.0	0.7	0.2	0	0	0	0	0
	0.2	0.2	0.2		0.7	d 1.0	0.4	0.2	0	0	0	0	0
	0.2	a 0.2	0.2	d	0.7	d 0.9	0.4	0.2	0	0	0	0	0
	0.2	a 0.4	0.2	d	0.6	d 0.8	0.4	0.2	0	0	0	0	0
	0.2	a 0.4	0.2	d	0.6	d 0.7	0.4	0.2	0	0	0	0	0
	0.1	a 0.6	0.2	d	0.6	a 0.6	0.7	0.2	0	0	0	0	0
	0.1	0.6	0.2	d	0.6	a 0.5	0.6	0.2	0	0	0	0	0
	0.1	0.4	0.2	d	0.6	a 0.4	0.4	0.2	0	0	0	0	0
	0.2	0.2	0.2	d	0.4	a 0.4	0.4	0.2	0	0	0	0	0
	0.2	0.2	0.2	d	0.4	a 0.4	0.6	0.2	0	0	0	0	0
	0.2	0.2	0.2	d	0.4	a 0.4	0.7	0.1	0	0	0	0	0
	0.2	0.2	0.2	d	0.4	a 0.4	0.7	0.2	0	0	0	0	0
	0.2	0.1	0.2	d	0.4	0.4	0.2	0.2	0	0	0	0	0
	0.2	0.1	0.2	d	0.4	17	0.2	0.2	0	0	0	0	0
	0.2	0.1	0.2		0.4		0.4	0.2	0	0	0	0	0
	0.2	0.2	0.2		0.7		0.6	0.1	0	0	0	0	0
	0.2		0.2		0.7		0.4		0		0	0	

	0.19	0.40	0.20	0.44	1.38	2.93	0.22	0.01	0	0	0	0
	12	24	12	27	110	180	13	0.6	0	0	0	0

YEAR OR PERIOD MEAN 0.52
ACRE-FEET 378

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F2B-R

DAILY DISCHARGE IN SECOND-FEET OF BROWNS CREEK at Variel Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	b 1.5	a 1.0	a 0.5	3.1	3.1	a +	a 0	a 0	0	0
2	0	0	b 1.4	a 1.0	a 0.5	b 2.0	1.8	a +	a 0	a 0	0	0
3	0	0	b 1.3	a 1.0	a 0.5	b 1.0	1.5	a +	a 0	a 0	0	0
4	0	0	b 1.2	a 1.0	a 0.5	b 1.0	1.5	a +	a 0	a 0	0	0
5	0	0	b 1.1	a 1.0	a 0.4	0.4	a 1.5	a +	a 0	a 0	0	0
6	0	0	b 1.0	a 1.0	0.4	1.2	a 1.5	a +	a 0	a 0	0	1.1
7	0	0	b 0.9	1.0	0.4	1.5	a 1.5	a +	a 0	a 0	0	d 0.1
8	0	0	b 0.8	0.6	0.4	1.4	1.5	a +	a 0	a 0	0	0
9	0	0	b 1.9	0.4	e 0.4	b 1.5	1.5	a +	a 0	a 0	0	0
10	0	0	b 1.5	0.2	e 0.4	b 1.0	1.4	a +	a 0	a 0	0	0
11	0	0	b 1.5	0.2	e 0.4	b 1.0	1.4	a +	a 0	a 0	0	0
12	0	0	b 1.5	13	e 0.4	b 2.0	a 1.3	a +	a 0	a 0	0	0
13	0	0	b 1.5	b 5.0	e 0.4	b 1.5	a 1.2	a +	a 0	a 0	0	0
14	0	0	b 1.5	b 2.0	e 0.4	b 1.0	a 1.1	a +	a 0	a 0	0	0
15	0	0	b 1.5	b 1.0	e 0.4	b 0.5	a 1.0	a +	a 0	0	0	0
16	0	0	b 3.0	b 1.0	26	b 0.5	a 0.9	a +	a 0	0	0	0
17	0	0	b 1.5	b 1.0	b 9.0	b 0.5	a 0.8	a +	a 0	0	0	0
18	0	0	117	b 1.0	b 5.0	b 0.5	a 0.7	a +	a 0	0	0	0
19	0	0	35	b 1.0	2.5	b 1.0	a 0.6	a +	a 0	0	0	0
20	0	0	b 5.0	b 1.0	2.5	b 1.0	a 0.5	a +	a 0	0	0	0
21	0	0	64	b 1.0	3.8	b 1.0	a 0.5	a +	a 0	0	0	0
22	0	0	b 12	1.0	3.8	b 1.0	a 0.5	a +	a 0	0	0	0
23	0	0	9.5	0.7	4.4	b 1.0	a 0.5	a +	a 0	0	0	0
24	0	0	6.4	0.6	3.1	b 1.0	a 0.4	a +	a 0	0	0	0
25	0	a 10	b 2.0	a 0.6	1.8	b 1.0	a 0.3	a +	a 0	0	0	0
26	0	a 2.0	b 2.0	a 0.6	1.8	b 1.5	a 0.2	a +	a 0	0	0	0
27	0	a 1.0	b 1.5	a 0.5	3.1	b 1.5	a 0.1	a +	a 0	0	0	0
28	0	a 55	b 1.5	a 0.5	3.1	b 1.5	a +	a +	a 0	0	0	0
29	0	a 370	b 1.5	a 0.5		b 1.5	a +	a +	a 0	0	0	0
30	0	b 10	b 1.5	a 0.5		b 1.5	a +	a +	a 0	0	0	0
31	0		b 1.5	a 0.5		b 1.5		a +		0	0	
MEAN	0	14.9	9.19	1.34	2.72	1.22	0.96	+	0	0	0	0.04
ACRE-FEET	0	889	565	82	151	75	57	+	0	0	0	2.4

YEAR OR PERIOD MEAN 2.52
ACRE-FEET 1,820

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F2B-R

DAILY DISCHARGE IN SECOND-FEET OF BROWNS CREEK at Variel Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	d 0	0.7	0.2	d +	0	0	0	0	0	0
2	0	0	d +	d 0.6	0.2	d +	0	0	0	0	0	0
3	0	0	d +	d 0.6	0.2	d +	0	0	0	0	0	0
4	0	0	d +	d 0.6	0.2	d +	0	0	0	0	0	0
5	0	0	d +	d 0.6	0.2	d +	0	0	0	0	0	0
6	0	0	d +	d 0.6	0.2	0	0	0	0	0	0	0
7	0	0	d +	d 0.6	0.2	0	0	0	0	0	0	0
8	0	0	d +	0.6	0.2	0	0	0	0	0	0	0
9	0	0	d 0.1	0.6	0.2	0	0	0	0	0	0	0
10	0	0	d 0.1	0.2	0.2	0	0	0	0	0	0	0
11	0	+	d 0.1	0.2	0.2	0	0	0	0	0	0	0
12	0	+	d 0.1	0.2	0.2	0	0	0	0	0	0	0
13	0	0	d 0.2	0.2	0.2	0	0	0	0	0	0	0
14	0	0	d 0.2	0.2	0.1	0	0	0	0	0	0	0
15	0	0	d 0.2	+	+	0	0	0	0	0	0	0
16	0	0	d 0.2	+	d +	0	0	0	0	0	0	0
17	0	0	d 0.2	+	d +	0	0	0	0	0	0	0
18	0	0	d 0.2	+	d +	0	0	0	0	0	0	0
19	0	0	d 0.2	0.2	d +	0	0	0	0	0	0	0
20	0	0	d 0.2	0.2	d +	0	0	0	0	0	0	0
21	0	0	d 0.2	0.2	d +	0	0	0	0	0	0	0
22	0	0	d 5.0	0.2	d +	0	0	0	0	0	0	0
23	0	0	2.5	0.2	d +	0	0	0	0	0	0	0
24	0	0	22	0.2	d +	0	0	0	0	0	0	0
25	+	0	3.1	0.2	d +	0	0	0	0	0	0	0
26	0	0	d 1.0	0.2	d +	0	0	0	0	0	0	0
27	0	0	24	0.2	d +	0	0	0	0	0	0	0
28	0	0	7.0	0.2	d +	0	0	0	0	0	0	0
29	0	0	3.8	0.2		0	0	0	0	0	0	0
30	0	0	1.8	0.1		0	0	0	0	0	0	0
31	+		1.2	0.2		0		0		0	0	
MEAN	+	+	2.38	0.29	0.09	-	0	0	0	0	0	0
ACRE-FEET	+	+	146	18	5.4	+	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.23
ACRE-FEET 170

STATION DATA SUMMARY

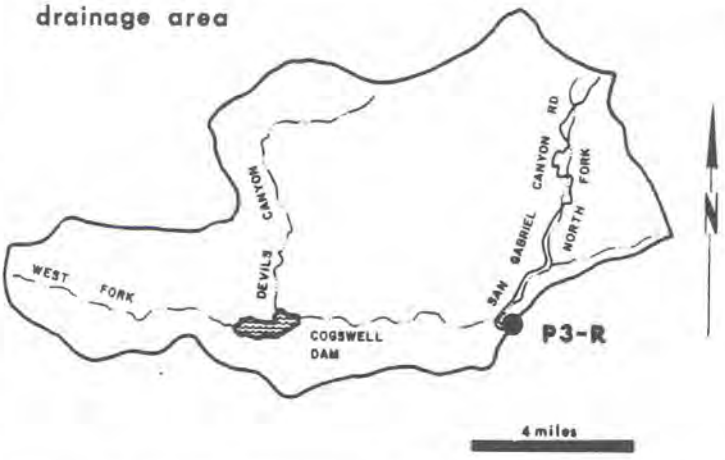
STA. NO. F2B-2
BROWNS CREEK AT VARIEL AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62B	336	0	2.7	1960	2	11	782
1962-63	6.9	0	+	32	3	16	55
1963-64	1.4	0	+	3.8	1	22	21
1964-65	14	0	0.1	87	4	8	47
1965-66	202	0	2.4	1700	11	17	2020
1966-67	110	0	1.4	980	12	6	379
1967-68	38	0	0.3	211	11	21	67
1968-69	539	0	6.4	4670	2	25	1720
1969-70	53	0	0.5	378	3	1	227
1970-71	370	0	2.5	1820	11	29	4290
1971-72	24	0	0.2	170	12	24	93

B = RECORD BEGAN AT B LOCATION 10-12-61.
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. P 3 - R
SAN GABRIEL RIVER
West Fork above Forks

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cab'e car

DRAINAGE AREA - 102.0 square miles

LOCATION - 1.5 miles above confluence with East Fork

REGULATION - partially regulated by Cogswell Dam

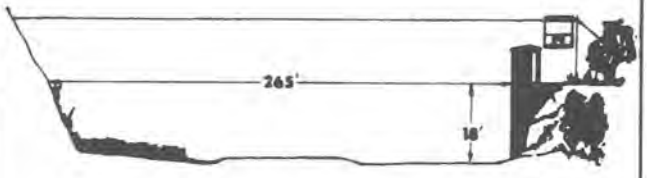
CHANNEL - natural, sand, gravel, and boulders

CONTROL - subject to shifts in natural bottom

LENGTH OF RECORD -
at Station P3-R, December 3, 1930, to July 12, 1938
September 27, 1938, to date
at Station P3B-R, July 12, 1938, to September 27, 1938

REMARKS - for records prior to December 3, 1930, refer to Station P1-R

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO P3-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - WEST FORK above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	42	39	24	23	24	738	51	33	23	18	15	13
2	43	39	24	23	24	788	46	32	23	18	15	13
3	43	39	25	23	24	486	45	32	23	18	15	13
4	42	39	25	23	24	469	45	32	23	18	15	13
5	35	39	25	23	23	269	43	32	23	17	15	13
6	30	65	25	23	23	280	42	33	23	17	15	12
7	43	78	25	23	23	268	43	33	23	17	15	12
8	43	90	25	23	23	256	42	33	23	17	14	12
9	43	99	25	25	33	248	40	32	24	17	14	13
10	43	99	25	47	210	230	39	32	26	17	14	13
11	42	99	25	38	224	186	39	31	26	17	14	13
12	42	99	25	32	159	146	38	30	26	17	14	13
13	42	97	25	39	126	144	39	29	26	17	14	15
14	40	97	25	38	91	144	40	28	26	17	14	15
15	43	95	25	38	87	139	40	27	25	17	14	15
16	43	95	25	45	85	137	40	27	25	17	13	14
17	43	84	25	42	79	127	40	27	24	16	14	14
18	42	87	25	39	74	129	39	27	23	16	14	14
19	42	87	25	37	45	125	39	27	22	16	14	14
20	40	87	25	36	39	123	39	27	21	16	14	14
21	40	89	25	30	38	120	40	27	20	16	14	14
22	40	91	25	28	36	116	40	25	20	16	14	14
23	40	93	25	27	35	114	38	27	20	16	14	14
24	42	95	24	26	33	109	37	27	20	16	13	14
25	42	64	24	26	27	107	37	27	20	16	13	14
26	42	27	24	26	26	105	37	27	19	16	13	13
27	42	26	23	25	27	101	37	28	19	15	13	13
28	42	24	23	24	625	99	36	29	19	15	13	12
29	42	24	23	24		99	35	28	19	15	13	13
30	42	23	23	24		103	34	27	18	15	13	13
31	42		23	24		92		26		15	13	
MEAN	41.4	70.3	24.5	29.8	81.7	213	40.0	29.2	22.4	16.5	14.0	13.4
ACRE-FEET	2,540	4,180	1,510	1,830	4,540	13,080	2,380	1,790	1,330	1,010	857	797

YEAR OR PERIOD MEAN 49.7

ACRE-FEET 35,840

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

P3-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - WEST FORK above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	13	14	169	111	90	37	31	25	23	[illegible]	[illegible]	[illegible]
2	13	33	151	113	71	37	30	25	23	[illegible]	[illegible]	[illegible]
3	13	78	139	108	53	37	29	26	23	[illegible]	[illegible]	[illegible]
4	13	74	128	105	52	37	28	26	21	[illegible]	[illegible]	[illegible]
5	13	111	117	103	52	37	26	26	20	16	25	[illegible]
6	13	146	116	97	51	35	26	30	21	[illegible]	[illegible]	[illegible]
7	13	139	111	94	49	34	26	31	20	16	25	[illegible]
8	13	134	110	94	48	34	26	28	20	16	25	[illegible]
9	13	120	111	91	47	34	26	26	21	16	24	21
10	13	101	100	90	46	33	26	26	23	15	24	21
11	14	69	93	88	46	33	26	26	23	[illegible]	[illegible]	[illegible]
12	14	63	88	104	46	33	25	25	22	[illegible]	[illegible]	[illegible]
13	14	17	84	105	44	57	25	24	21	[illegible]	[illegible]	[illegible]
14	14	15	88	101	44	39	28	24	20	[illegible]	[illegible]	[illegible]
15	15	14	b 75	100	44	37	28	24	20	18	24	21
16	15	14	b 59	98	47	35	28	23	19	[illegible]	[illegible]	[illegible]
17	14	14	64	107	76	35	35	22	19	[illegible]	[illegible]	[illegible]
18	14	14	60	113	50	34	33	21	18	[illegible]	[illegible]	[illegible]
19	14	14	129	124	44	33	31	21	18	[illegible]	[illegible]	[illegible]
20	14	14	107	122	42	33	30	21	17	[illegible]	[illegible]	[illegible]
21	14	14	344	120	41	33	29	22	17	[illegible]	[illegible]	[illegible]
22	15	14	162	114	40	33	28	22	16	[illegible]	[illegible]	[illegible]
23	15	14	124	110	40	33	26	22	16	[illegible]	[illegible]	[illegible]
24	15	14	117	105	40	33	26	21	16	[illegible]	[illegible]	[illegible]
25	15	15	119	103	40	33	26	21	16	17	22	22
26	15	16	114	100	39	33	26	21	16	[illegible]	[illegible]	[illegible]
27	15	15	110	97	38	33	26	22	17	17	23	21
28	14	30	107	94	38	33	26	25	17	16	23	21
29	14	1,590	105	93		32	26	24	17	16	23	21
30	14	372	107	91		32	25	24	17	19	24	21
31	14		111	91		32		24		26	24	

MEAN	14.0	110	117	103	48.5	35.0	27.6	24.1	19.3	17.1	23.9	21.8
ACRE-FEET	857	6,530	7,170	6,320	2,690	2,150	1,640	1,480	1,140	1,060	1,470	1,300

YEAR OR PERIOD MEAN 46.7
ACRE-FEET 33,810

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO P3-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER-WEST FORK above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	21	12.2	9.6	72	28	19.6	12.8	10.0	8.4	6.4	5.5	23
2	20	11.5	9.6	72	26	18.8	13.2	10.0	8.4	6.6	5.8	23
3	20	12.2	11.5	70	26	18.8	13.2	9.8	8.4	6.6	6.1	25
4	20	11.5	10.2	65	25	17.2	13.2	9.8	8.4	6.6	6.1	23
5	19.5	11.5	10.2	63	29	16.4	12.8	10.0	8.8	6.3	6.0	23
6	19.5	10.8	10.2	63	26	14.8	12.4	10.2	9.2	6.1	5.9	23
7	19.5	10.8	10.2	63	26	14.8	12.6	10.0	9.0	6.1	6.0	20
8	20	10.2	9.6	62	25	14.8	12.6	10.2	9.2	6.1	6.0	8.4
9	23	10.2	10.2	60	23	14.8	13.0	10.2	9.0	6.0	6.1	7.7
10	22	10.8	10.8	60	23	14.8	13.4	10.0	8.6	6.1	19.6	7.6
11	22	10.8	10.8	62	22	14.0	12.4	10.0	8.2	6.2	22	6.6
12	22	14.3	10.2	63	22	15.6	13.8	9.6	8.2	6.3	25	6.5
13	22	12.9	11.5	63	21	18.0	13.8	9.6	8.0	6.4	22	6.4
14	22	12.2	10.8	68	22	18.0	13.4	9.2	8.0	6.3	17.2	6.3
15	23	11.5	10.2	41	29	16.4	13.0	9.2	7.8	6.3	21	6.2
16	24	12.2	10.2	38	23	16.4	12.4	9.2	7.8	6.3	21	6.1
17	25	11.5	10.2	38	22	16.4	12.4	9.4	8.0	6.2	22	6.0
18	22	11.5	10.2	35	21	15.6	13.0	10.0	7.8	6.3	16.4	6.0
19	23	10.8	9.6	33	20	14.8	13.4	10.8	7.8	6.4	19.6	6.1
20	23	10.8	9.6	32	20	14.8	13.0	11.8	8.0	6.5	23	6.0
21	23	11.5	9.6	35	20	14.0	12.6	10.6	8.0	6.4	22	5.8
22	22	11.5	53	33	20	13.6	12.6	10.2	8.6	6.3	22	5.6
23	22	11.5	29	32	20	14.0	11.8	9.8	9.2	6.2	22	5.6
24	25	10.8	423	32	21	14.0	11.4	9.8	8.8	6.0	23	5.6
25	25	10.8	453	30	21	13.6	11.4	10.0	8.2	6.0	23	5.9
26	24	10.2	290	30	20	14.0	11.2	9.8	7.7	5.8	25	5.9
27	24	10.2	162	29	19.6	14.0	10.6	9.6	7.4	5.8	25	5.9
28	24	10.2	89	29	18.8	14.0	10.2	9.2	6.9	5.7	23	5.9
29	23	10.2	67	29	18.8	14.0	10.2	8.8	6.4	5.6	23	5.6
30	13.9	10.2	55	28		13.6	10.0	8.6	6.4	5.5	23	5.5
31	12.2		55	28		13.2		8.6		5.5	23	

MEAN	21.6	11.2	61.0	46.7	22.8	15.4	12.4	9.81	8.15	6.16	17.3	10.1
ACRE-FEET	1,330	669	3,750	2,870	1,310	946	739	603	485	379	1,060	601

YEAR OR PERIOD MEAN 20.3
ACRE-FEET 14,740

STATION DATA SUMMARY

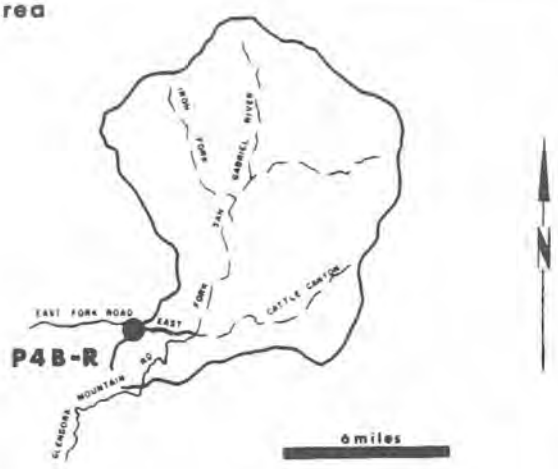
STA. NO. F3-R
SAN GABRIEL RIVER - WEST FORK ABOVE FORKS

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	704	1.6	17.9	15180	2	4	1620
1928-29	422	0	20.7	14960	4	4	775
1929-30	225	1.9	25.5	18470	3	15	301
1930-31	676	1.2	20.2	14630	4	26	1530
1931-32	598	1.4	76.3	55360	2	9	3790
1932-33	1360	2.5	33.1	23990	1	19	3460
1933-34	3340	1.5	34.5	24990	1	1	5320
1934-35	1180	1.9	77.5	56110	4	8	1840
1935-36	312	2.5	31.8	23070	2	12	752
1936-37	1640	2.7	133	96590	2	14	2000
1937-38	*	13	237	171900E	3	2	34000E
1938-39	1140	7.5	46.5	33660	9	25	2530
1939-40	369	6.5	38.2	27720	1	8	1220
1940-41	2870E	7.0	237	171400	2	20	30000E
1941-42	183	6.5	32.9	23810	12	29	288
1942-43	11300E	6.5	211	153000	1	23	20000E
1943-44	4000	19	144	104500	2	22	5760
1944-45	719	14	51.5	37260	11	11	3950
1945-46	1830	8.0	65.3	47330	3	30	2620
1946-47	2270	7.6	83.0	60120	12	26	4150
1947-48	135	3.0	17.1	12450	4	29	329
1948-49	55	2.3	14.5	10510	1	20	78
1949-50	122	2.2	15.6	11260	12	18	280
1950-51	21	0.7	4.8	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
1953-54	514	2.2	32.0	23190	1	25	953
1954-55	83	3.8	17.8	12850	4	30	165
1955-56	504	2.8	17.0	12350	1	26	1230
1956-57	597	3.5	18.5	13350	1	13	1670
1957-58	1780	5.4	145	104700	4	3	3570
1958-59	664	6.5	29.2	21150	1	6	2380
1959-60	48	2.7	11.5	8350	1	10	128
1960-61	79	1.2	7.1	5160	11	5	447
1961-62	3800	1.5	83.9	60730	2	11	7830
1962-63	276	2.5	18.9	13720	2	9	2010
1963-64	195	1.9	13.7	9970	6	24	414
1964-65	228	1.7	21.1	15270	4	9	534
1965-66	4000	2.7	160	115600	12	29	13000
1966-67	2320	7.0	143	103600	12	6	4700
1967-68	559	12	47.5	34460	11	19	1400
1968-69	4370	11	363	262900	2	25	26000
1969-70	788	12	49.7	35840	2	28	2370
1970-71	1590	12	46.7	33810	11	29	6230
1971-72	453	5.5	20.3	14740	12	24	791

E = ESTIMATE
* = RECORD INCOMPLETE

STATION NO. P 4B-R
SAN GABRIEL RIVER
East Fork above Forks

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 88.2 square miles

LOCATION – 2.5 miles above the West Fork, 12.0 miles north of Azusa

REGULATION – none

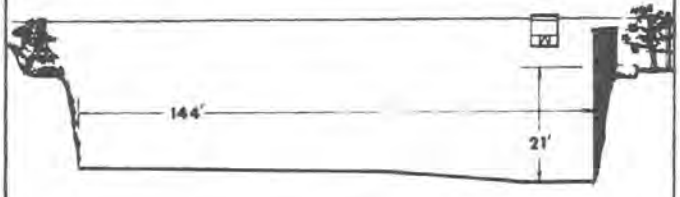
CHANNEL – sand, gravels, and boulders, natural section

CONTROL – concrete, stabilizer with a 20-foot-wide low flow notch (constructed in November 1947)

LENGTH OF RECORD –
at Station P4-R, November 30, 1932, to December 10, 1938
at Station P4B-R, December 10, 1938, to date

REMARKS – the control height was increased 2.0 feet in September, 1955.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. P4B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - EAST FORK above Forks FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	37	30	27	24	27	346	69	45	34	20	d 18	d 15
2	37	30	27	25	27	287	68	45	33	20	d 17	d 14
3	37	30	28	25	27	146	64	45	32	21	d 17	d 14
4	37	30	28	25	27	133	64	46	32	21	d 17	d 14
5	36	30	28	25	27	138	62	48	31	22	d 16	d 14
6	36	51	28	25	26	117	61	49	30	d 22	d 17	d 14
7	36	60	29	24	26	108	62	50	30	d 21	d 17	d 14
8	35	45	29	24	25	106	64	49	29	d 22	d 16	d 14
9	35	42	29	24	27	106	64	49	30	d 21	d 16	d 13
10	36	40	29	37	60	101	69	50	32	d 20	d 16	d 13
11	36	40	29	32	80	92	72	49	30	d 20	d 16	d 13
12	36	38	28	31	51	88	71	49	30	d 20	d 16	d 15
13	36	37	28	30	46	86	71	49	32	d 20	d 18	d 15
14	36	36	28	29	41	94	68	48	31	d 19	d 19	d 15
15	36	35	28	30	38	101	64	46	30	d 19	d 18	d 15
16	36	34	28	35	34	101	62	44	29	d 19	d 19	d 16
17	36	32	27	37	32	101	62	42	29	d 19	d 27	d 15
18	36	30	27	35	30	99	58	41	28	d 19	d 21	d 15
19	35	29	27	33	29	95	55	40	28	d 18	d 19	d 16
20	35	27	27	32	29	90	53	39	27	d 18	d 18	d 16
21	35	28	26	31	29	87	57	39	27	d 18	d 18	d 15
22	35	28	26	30	29	86	55	38	25	d 18	d 17	d 15
23	34	30	27	29	29	83	51	38	24	d 17	d 17	d 15
24	34	30	27	29	29	84	50	38	23	d 18	d 17	d 16
25	34	30	27	29	27	84	49	39	23	d 18	d 16	d 16
26	34	30	26	29	27	84	49	39	22	d 18	d 16	d 16
27	34	28	26	29	27	84	54	39	22	d 18	d 16	d 16
28	33	27	25	29	144	80	51	40	22	d 18	d 16	d 15
29	31	27	24	29		75	49	39	21	d 18	d 16	d 15
30	30	27	24	28		81	48	38	21	d 18	d 15	d 15
31	30		24	27		78		36		d 18	d 15	
MEAN	35.0	33.7	27.1	29.1	37.5	111	59.9	43.4	27.3	19.3	17.3	14.9
ACRE-FEET	2,150	2,010	1,670	1,790	2,080	6,830	3,560	2,670	1,660	1,190	1,060	885

YEAR OR PERIOD MEAN 38.0

ACRE-FEET 27,560

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

P4B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER - EAST FORK above Forks — FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	October	November	December	January	February	March	April	May	June	July	August	September
1	15	d 16	68	71	59	36	34	31	20	d 18	d 13	d 11
2	15	d 16	61	74	55	34	33	31	20	d 18	d 13	d 11
3	16	d 16	54	69	53	34	32	31	19	d 18	d 13	d 11
4	16	d 16	50	a 66	51	35	31	30	18	a 18	d 13	d 11
5	17	d 16	48	a 64	50	35	30	30	17	d 18	d 13	d 11
6	17	d 16	42	a 59	50	34	30	29	17	d 18	d 13	d 11
7	19	d 16	42	a 55	49	33	31	28	17	d 17	d 13	d 10
8	19	d 16	42	a 54	49	35	32	27	17	d 17	d 13	d 10
9	18	d 16	48	54	48	35	33	26	18	d 17	d 13	d 10
10	18	d 15	48	54	45	35	33	26	19	d 17	d 12	d 10
11	17	d 15	46	53	45	35	33	25	18	d 17	d 13	d 10
12	16	d 15	45	66	46	35	33	25	d 18	d 16	d 12	d 10
13	16	d 15	44	65	46	47	33	25	d 18	d 16	d 12	d 10
14	17	d 15	46	62	46	35	33	25	d 18	d 16	d 12	d 10
15	17	d 15	44	61	46	33	32	25	d 17	d 16	d 12	d 10
16	17	d 15	46	58	53	32	31	25	d 16	d 16	d 12	d 10
17	16	d 15	53	66	74	32	36	23	d 15	d 16	d 12	d 10
18	15	d 15	48	83	61	34	36	22	d 15	d 16	d 12	d 10
19	d 16	d 15	73	102	58	35	34	21	d 16	d 16	d 12	d 10
20	d 16	d 15	49	117	54	34	33	20	d 16	d 16	d 12	d 10
21	d 16	d 15	183	90	50	33	32	20	d 16	d 15	d 11	d 10
22	d 16	d 14	112	80	48	32	31	20	d 17	d 15	d 11	d 10
23	d 16	d 14	86	74	46	32	30	19	d 17	d 15	d 11	10
24	d 16	14	78	72	44	33	30	18	d 18	d 15	d 11	9.9
25	d 17	15	77	71	44	34	31	17	d 18	d 14	d 11	10
26	d 17	20	72	71	45	34	30	17	d 18	d 14	d 11	10
27	d 17	16	66	69	42	35	29	20	d 18	d 14	d 11	10
28	d 17	25	61	68	40	36	29	22	d 18	d 13	d 11	10
29	d 17	474	68	66		36	30	20	d 18	d 13	d 11	10
30	d 16	118	65	64		36	30	20	d 19	d 13	d 11	10
31	d 16		64	61		36		20		d 13	d 11	
MEAN	16.6	34.5	62.1	69.0	49.9	34.7	31.8	23.8	17.4	15.8	12.0	10.2
ACRE-FEET	1,020	2,050	3,830	4,240	2,770	2,130	1,890	1,460	1,040	972	736	607

YEAR OR PERIOD MEAN 31.9
ACRE-FEET 22,740

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO P4B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER-EAST FORK above Forks — FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	October	November	December	January	February	March	April	May	June	July	August	September
1	10.5	11.1	11.7	95	39	30	25	18.7	d 15.4	d 12.3	d 8.3	d 8.3
2	10.5	11.7	12.3	105	38	30	22	18.7	d 15.6	11.4	d 8.6	d 9.0
3	9.9	11.1	12.9	134	36	30	23	19.5	d 15.7	11.5	d 9.8	d 9.0
4	9.3	11.1	12.9	81	35	30	23	20	d 15.9	11.4	d 8.9	d 9.0
5	9.3	9.9	13.5	72	38	30	24	19.5	d 16.1	11.2	d 9.0	d 9.0
6	8.9	11.1	13.5	65	35	29	24	19.5	d 16.0	11.0	d 9.1	d 9.1
7	8.9	11.1	12.9	58	35	29	25	19.5	d 16.3	10.9	d 9.2	d 9.2
8	8.9	11.1	11.7	61	35	29	25	18.7	d 16.4	10.8	d 9.0	d 9.3
9	8.4	11.1	11.7	80	35	29	25	18.7	d 16.2	10.6	d 8.7	d 9.4
10	8.0	11.1	12.3	71	35	29	24	18.7	d 16.0	10.5	d 8.5	d 9.4
11	8.0	11.1	12.3	66	33	28	24	18.7	d 15.8	10.4	d 8.3	d 9.4
12	8.0	11.7	12.3	66	32	27	25	18.7	d 15.6	10.3	d 8.7	d 9.3
13	8.0	12.3	12.3	68	31	28	25	17.8	d 15.4	10.3	d 9.1	d 9.2
14	8.0	12.3	12.3	64	31	28	24	17.8	d 15.2	10.3	d 9.5	d 9.1
15	8.9	11.7	12.3	59	31	28	23	d 17.9	d 15.1	10.3	d 9.4	d 9.1
16	11.1	11.7	12.3	57	31	28	21	d 17.9	d 15.1	10.3	d 9.4	d 9.1
17	11.1	11.7	11.7	53	30	27	21	d 17.9	d 15.1	9.9	d 9.3	d 9.1
18	10.5	11.7	11.7	51	30	28	23	d 17.9	d 15.1	9.4	d 9.0	d 9.1
19	11.1	11.7	11.7	49	30	27	23	d 17.9	d 15.1	9.0	d 8.8	d 8.9
20	10.5	11.7	11.7	48	30	27	22	d 18.0	d 15.1	9.6	d 8.5	d 8.7
21	10.5	11.7	11.7	42	31	27	21	d 18.0	d 15.1	9.6	d 8.2	d 8.6
22	10.5	11.7	37	42	30	27	20	d 18.1	d 15.1	8.7	d 8.2	d 8.5
23	10.5	11.7	34	42	32	27	13.5	d 18.1	d 15.1	8.7	d 8.3	d 8.4
24	11.7	11.7	330	40	32	26	30	d 18.2	d 14.0	8.8	d 8.3	d 8.3
25	12.9	11.7	378	41	31	26	30	d 18.2	d 13.0	8.5	d 8.3	d 8.4
26	12.3	11.7	319	41	31	26	19.5	d 17.8	d 12.0	8.4	d 8.3	d 8.2
27	12.3	11.7	202	41	30	26	19.5	d 17.4	d 11.8	8.2	d 8.3	d 8.2
28	12.9	11.7	145	40	30	26	19.5	d 17.2	d 11.5	8.3	d 8.3	d 8.2
29	12.3	11.7	116	39	30	26	19.5	d 16.6	d 11.3	8.4	d 8.3	d 8.2
30	11.7	11.7	102	39		26	19.5	d 16.2	d 11.2	8.5	d 8.3	d 8.2
31	11.1		97	39		25		d 15.8		8.6	d 8.3	
MEAN	10.2	11.5	56.7	59.6	32.7	27.7	22.3	18.2	14.8	9.78	8.68	8.82
ACRE-FEET	628	684	4,100	3,670	1,880	1,700	1,330	1,122	878	601	534	525

YEAR OR PERIOD MEAN 24.4
ACRE-FEET 17,650

STATION DATA SUMMARY

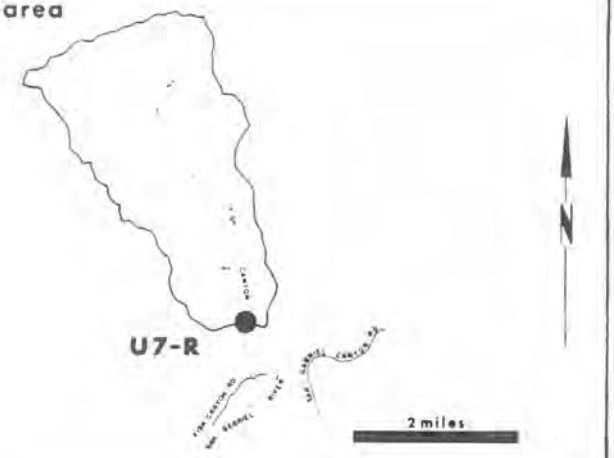
STA. NO. F48-R
SAN GABRIEL RIVER - EAST FORK ABOVE FORKS

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1932-33	*	*	*	18990*	1	19	835
1933-34	6210	4.5	47.3	34320	1	1	8500
1934-35	638	4.5	85.4	61840	4	8	1080
1935-36	428	8.0	40.7	29590	2	11	1290
1936-37	1440	9.0	148	107400	2	14	2180
1937-38	10000E	20	208	150800	3	2	46000E
1938-39	303	14	43.6	31590	12	18	716
1939-40	430	14	42	30500	1	8	1360
1940-41	1110	12	183	132400	2	20	1870
1941-42	130	12	34.9	25230	8	10	349
1942-43	5800E	11	160	116100	1	23	25000
1943-44	1290	21	113	81900	2	22	2410
1944-45	693	20	72.9	52750	11	11	2810
1945-46	1520	19	71.8	52000	12	21	2760
1946-47	1160	13	66.6	48300	12	26	1900
1947-48	133	6.9	21.3	15490	4	29	210
1948-49	64	6.3	20.3	14700	4	24	70
1949-50	168	5.4	21.5	15540	2	6	248
1950-51	22	1.7	8.5	6140	4	28	39
1951-52	833	2.4	109	79300	1	16	1110
1952-53	61	5.2	20.2	14640	12	2	116
1953-54	550	5.2	51.6	37320	1	25	1690
1954-55	105	12	36.0	26090	11	11	203
1955-56	476	11	30.6	22210	1	26	1020
1956-57	479	8.0	32.6	23630	1	13	1060
1957-58	1530	13	156	112700	4	3	2720
1958-59	345	8.0	29.5	21360	2	16	947
1959-60	62	4.4	15.9	11400	4	28	94
1960-61	57	1.7	9.7	7060	11	12	112
1961-62	1760	2.3	72.7	52610	2	11	3600
1962-63	186	4.7	17.5	12680	2	9	607
1963-64	102	5.0	19.7	14290	1	22	202
1964-65	184	5.4	29.2	21170	4	9	274
1965-66	2530	8.4	131	94660	12	29	9760
1966-67	3190	14	153	110900	12	6	6200
1967-68	239	14	44.8	31090	11	19	693
1968-69	8070	13	290	209900	1	25	21900
1969-70	346	13	38.0	27560	3	1	590
1970-71	474	9.9	31.5	22740	11	29	1490
1971-72	380	8.0	24.3	17650	12	24	759

E = ESTIMATE
* = RECORD INCOMPLETE

STATION NO. U 7 - R
FISH CREEK
above Mouth of Canyon

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 6.36 square miles

LOCATION – 0.8 miles upstream of mouth of canyon and 3.0 miles northeast of Duarte

REGULATION – none

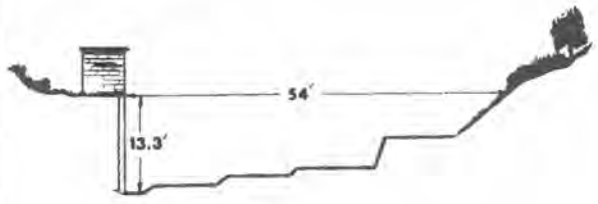
CHANNEL – natural, rock and gravel

CONTROL – concrete control

LENGTH OF RECORD – July to September 1916
July 1917 to date

REMARKS – operated and maintained by USGS until October 1, 1971, records for 1969-70 and 1970-71 seasons were furnished by USGS

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U7-R

DAILY DISCHARGE IN SECOND-FEET OF FISH CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	2.5	1.6	2.0	1.8	2.4	98	5.9	4.3	2.7	2.4	1.2	.9
2	2.4	1.7	2.2	1.8	2.4	92	5.4	4.2	2.6	2.3	1.1	.9
3	2.5	1.7	2.3	1.8	2.4	32	5.4	4.1	2.6	2.3	1.1	.9
4	2.4	1.8	2.3	1.8	2.4	33	5.4	4.3	2.6	2.3	1.1	.9
5	2.0	1.9	2.3	1.9	2.4	43	5.3	4.4	2.6	2.2	1.1	.9
6	1.9	13	2.3	1.9	2.4	26	5.2	4.4	2.9	2.1	1.0	.9
7	1.8	12	2.1	1.9	2.4	17	5.0	4.5	2.9	2.1	.8	.9
8	1.9	2.0	2.0	1.9	2.7	15	4.8	4.6	2.9	2.1	.9	.9
9	1.9	1.9	2.0	1.9	2.4	14	4.7	4.7	2.7	2.1	.9	.9
10	1.9	1.9	1.9	5.1	41	11	4.6	4.7	2.7	2.0	.9	.9
11	1.9	1.9	1.9	2.7	21	10	4.7	4.5	2.7	1.9	1.0	.9
12	1.9	1.9	1.9	2.3	5.1	9.4	4.6	4.5	2.7	1.9	1.0	.9
13	1.9	1.8	1.9	2.0	4.3	9.1	4.5	4.4	2.9	1.9	1.0	.9
14	1.8	1.8	1.9	2.2	4.4	8.6	4.4	4.2	2.8	1.9	.9	.9
15	1.9	1.8	1.9	2.2	4.5	8.4	4.3	4.1	3.0	1.9	.9	.9
16	1.9	2.5	1.9	3.9	4.5	7.9	4.2	4.2	3.0	1.8	.8	.9
17	1.9	1.9	1.9	3.3	4.4	7.7	4.2	4.3	3.0	1.8	.8	.9
18	1.9	1.9	2.0	2.6	4.4	7.4	4.1	4.2	3.0	1.7	.8	.9
19	1.8	1.8	2.0	2.5	4.3	7.4	4.0	4.1	3.0	1.7	.8	.9
20	1.8	1.8	2.1	2.5	4.6	7.3	4.0	4.1	2.9	1.6	.8	.9
21	1.8	1.8	2.2	2.5	4.6	7.2	3.9	4.1	2.9	1.4	.8	.9
22	1.8	1.7	2.3	2.5	4.4	7.0	3.9	4.1	2.9	1.3	.8	.9
23	1.7	1.7	2.3	2.5	4.1	6.9	3.8	4.1	2.9	1.3	.8	.9
24	1.8	1.7	2.2	2.5	3.7	6.7	3.8	4.1	2.9	1.3	.8	.9
25	1.8	1.6	2.2	2.5	3.6	6.6	3.9	4.1	2.8	1.3	.8	.9
26	1.8	1.6	2.1	2.5	3.7	6.5	4.0	4.1	2.7	1.4	.8	.9
27	1.8	1.6	1.8	2.5	3.7	6.4	4.5	3.4	2.5	1.4	.9	.9
28	1.7	1.7	1.7	2.5	99	6.3	4.7	3.3	2.5	1.4	.9	.9
29	1.7	1.8	1.7	2.5		6.0	4.4	4.3	2.5	1.3	.9	.9
30	1.7	1.8	1.8	2.5		6.2	4.3	3.9	2.5	1.3	.9	.9
31	1.6		1.8	2.4		6.5		2.9		1.3	.9	
MEAN	1.91	2.52	2.03	2.43	8.97	17.3	4.53	4.17	2.78	1.76	.90	.91
ACRE FEET	117	150	125	150	498	1,060	270	256	165	108	55	54

YEAR OR PERIOD MEAN 4.16
ACRE-FEET 3,010

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U7-R

DAILY DISCHARGE IN SECOND-FEET OF FISH CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	.9	1.3	8.5	5.7	3.3	2.7	2.2	3.2	1.6	1.2	.8	.6
2	1.0	1.3	12	5.7	3.3	2.7	2.2	3.2	1.6	1.2	.7	.6
3	1.1	1.3	7.7	5.4	3.1	2.8	2.2	3.4	1.6	1.1	.7	.6
4	1.2	1.3	6.9	5.1	2.9	3.0	2.1	3.4	1.6	1.1	.7	.6
5	1.3	1.3	6.8	4.8	2.9	3.1	2.1	3.5	1.5	1.1	.7	.6
6	1.5	1.3	6.6	4.2	3.0	3.0	2.1	5.0	1.5	1.1	.7	.6
7	1.5	1.4	7.0	4.1	3.8	3.0	2.1	4.3	1.5	1.1	.7	.6
8	1.4	1.4	7.8	3.9	3.7	3.0	2.3	3.2	1.4	1.1	.7	.6
9	1.3	1.4	10	3.7	3.4	3.1	2.4	2.6	1.4	1.1	.7	.6
10	1.2	1.4	8.6	3.6	3.2	3.2	2.4	2.1	1.5	1.1	.7	.6
11	1.3	1.4	7.9	3.5	3.0	3.1	2.0	2.2	1.4	1.1	.7	.6
12	1.3	1.5	7.4	8.8	2.8	3.1	2.0	2.9	1.4	1.1	.7	.6
13	1.4	1.7	7.4	7.2	2.7	10	2.0	2.8	1.4	1.0	.7	.6
14	1.5	1.5	8.0	6.1	2.5	3.6	2.4	2.8	1.3	1.0	.7	.6
15	1.6	1.4	7.5	5.6	6.7	3.4	2.4	2.7	1.3	1.0	.7	.6
16	1.5	1.4	8.4	5.2	14	3.3	2.6	2.6	1.3	1.0	.7	.6
17	1.4	1.5	11	5.0	24	3.1	3.9	1.8	1.3	.9	.7	.6
18	1.4	1.5	9.4	5.3	16	3.0	3.3	1.7	1.3	.9	.7	.6
19	1.4	1.6	19	4.9	11	2.9	3.1	1.6	1.2	.9	.7	.6
20	1.5	1.6	12	4.8	8.3	2.9	3.1	1.6	1.2	.9	.7	.6
21	1.5	1.7	55	4.8	6.6	2.7	3.3	1.8	1.2	.8	.7	.6
22	1.6	1.7	23	4.6	5.4	2.7	3.1	1.7	1.2	.8	.7	.6
23	1.6	1.6	16	4.4	4.5	2.6	3.0	1.7	1.2	.8	.7	.6
24	1.7	1.6	14	4.2	3.8	2.5	3.2	1.7	1.2	.8	.7	.6
25	1.7	1.8	12	4.1	3.5	2.5	3.2	1.5	1.2	.8	.7	.6
26	1.6	3.2	9.9	3.9	3.2	2.4	3.2	1.5	1.2	.8	.7	.6
27	1.5	2.3	8.0	3.7	3.0	2.4	3.2	1.5	1.2	.8	.7	.6
28	1.4	10	7.0	3.6	2.8	2.4	3.2	2.1	1.2	.8	.7	.6
29	1.4	93	6.2	3.4		2.3	3.3	1.8	1.2	.8	.7	.6
30	1.3	16	5.8	3.3		2.3	3.2	1.7	1.2	.8	.7	.6
31	1.3		5.5	3.2		2.3		1.6		.8	.7	
MEAN	1.39	5.38	11.0	4.70	5.59	3.07	2.69	2.43	1.34	.97	.68	.58
ACRE-FEET	86	320	679	289	310	189	160	149	80	59	42	35

YEAR OR PERIOD MEAN 3.31
ACRE-FEET 2,400

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U7-R

DAILY DISCHARGE IN SECOND-FEET OF FISH CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	b 0.5	b 1.0	0.6	5.6	1.6	e 1.1	e 0.5	e 1.0	e 0.4	0.2	0.2	0.5
2	b 0.5	b 1.0	0.6	5.3	1.6	e 1.1	e 0.5	e 1.0	e 0.4	0.2	0.2	0.5
3	b 0.5	b 1.0	0.6	5.1	1.6	e 1.1	e 0.5	e 1.0	e 0.4	0.2	0.2	0.5
4	b 0.5	b 0.9	0.6	4.5	1.5	e 1.1	e 0.5	e 1.0	e 0.3	0.2	0.2	0.6
5	b 0.5	b 0.9	0.6	3.8	1.8	e 1.1	e 0.5	e 1.0	e 0.3	0.2	0.2	0.2
6	b 0.5	b 0.9	0.6	3.6	1.6	e 1.1	e 0.5	e 0.9	e 0.3	0.2	0.2	0.3
7	b 0.5	b 0.8	0.6	3.1	1.6	e 1.1	e 0.5	e 0.9	e 0.3	0.2	0.2	0.3
8	b 0.5	b 0.8	0.6	2.6	1.5	e 1.1	e 0.5	e 0.8	e 0.3	0.2	0.2	0.3
9	b 0.5	b 0.8	0.6	2.5	e 1.5	e 1.1	e 0.5	e 0.8	e 0.3	0.3	0.2	0.4
10	b 0.5	b 0.8	0.6	2.3	e 1.5	e 1.1	e 0.5	e 0.8	e 0.3	0.3	0.2	0.8
11	b 0.5	b 0.7	0.6	2.3	e 1.5	e 1.0	e 0.5	e 0.7	e 0.3	0.3	0.3	0.4
12	b 0.5	b 0.7	0.6	2.3	e 1.4	e 1.0	e 0.5	e 0.7	e 0.7	0.3	0.4	0.2
13	b 0.5	b 0.7	0.7	2.2	e 1.4	e 1.0	e 0.5	e 0.7	e 0.7	0.3	0.9	0.3
14	b 0.6	b 0.6	0.7	2.2	e 1.4	e 1.0	e 0.5	e 0.6	e 0.6	0.4	0.9	e 0.3
15	b 0.6	b 0.6	0.8	2.2	e 1.4	e 1.0	e 0.5	e 0.6	e 0.6	0.4	0.8	e 0.3
16	b 0.6	b 0.6	0.8	2.1	e 1.4	e 0.9	e 0.5	e 0.5	e 0.5	0.4	0.8	e 0.3
17	b 0.7	b 0.6	0.8	2.0	e 1.3	e 0.8	e 0.5	e 0.5	e 0.5	0.4	0.7	e 0.3
18	b 0.7	b 0.6	0.8	2.0	e 1.3	e 0.8	e 0.5	e 0.5	e 0.4	0.4	0.5	e 0.3
19	b 0.7	b 0.6	0.8	2.0	e 1.3	e 0.7	e 0.5	e 0.5	e 0.4	0.5	0.5	e 0.3
20	b 0.7	b 0.6	0.8	2.0	e 1.2	e 0.7	e 1.0	e 0.5	e 0.3	0.8	0.5	e 0.3
21	b 0.8	b 0.6	0.8	2.0	e 1.2	e 0.7	e 1.0	e 0.4	e 0.3	0.7	0.4	e 0.3
22	b 0.8	b 0.6	1.7	1.9	e 1.2	e 0.6	e 1.0	e 0.4	e 0.3	0.6	0.3	e 0.3
23	b 0.8	b 0.6	0.9	1.9	e 1.2	e 0.6	e 1.0	e 0.4	e 0.3	0.4	0.3	e 0.3
24	b 0.9	b 0.6	23	1.9	e 1.2	e 0.6	e 1.0	e 0.4	e 0.2	0.2	0.3	e 0.3
25	b 0.9	b 0.6	12.4	1.8	e 1.2	e 0.6	e 1.0	e 0.4	e 0.2	0.2	0.6	e 0.3
26	b 1.0	b 0.6	4.2	1.8	e 1.2	e 0.6	e 1.0	e 0.4	e 0.2	0.2	0.6	e 0.3
27	b 1.0	b 0.6	10.1	1.7	e 1.2	e 0.6	e 1.0	e 0.4	e 0.2	0.2	0.8	e 0.3
28	b 1.0	b 0.6	10.5	1.7	e 1.2	e 0.6	e 1.0	e 0.4	0.2	0.2	0.6	e 0.3
29	b 1.0	0.6	9.8	1.7	e 1.2	e 0.6	e 1.0	e 0.4	0.2	0.2	0.4	e 0.3
30	b 1.0	0.6	7.6	1.7		e 0.6	e 1.0	e 0.4	0.2	0.2	0.4	e 0.3
31	b 1.0		6.6	1.7		e 0.6		e 0.4		0.1	0.4	
MEAN	0.69	0.71	3.26	2.56	1.39	0.86	0.68	0.63	0.35	0.30	0.43	0.35
ACRE-FEET	42	42	200	158	80	53	41	38	21	19	27	21

YEAR OR PERIOD MEAN 1.02
ACRE-FEET 742

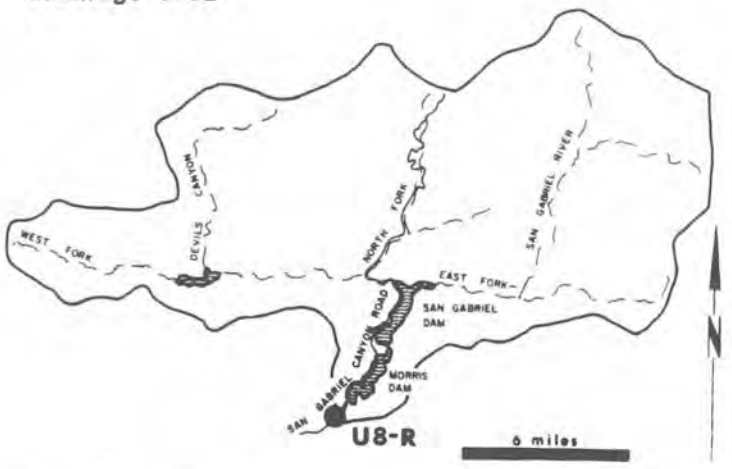
STA. NO. 07-R
FISH CREEK ABOVE MOUTH OF CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1917-18	193	0.1	4.1	2960	3	10	330
1918-19	10	0	0.9	648	2	11	21
1919-20	83	*	3.0	2160	3	2	255
1920-21	120	0	2.3	1670	3	13	286
1921-22	290	0.1	12.4	8980	2	9	505
1922-23	54	0.1	2.1	1510	12	12	186
1923-24	14	0	0.5	344	3	26	58
1924-25	132	0	1.7	1230	4	4	N.D.
1925-26	410	0.1	7.2	5170	4	7	N.D.
1926-27	482	0.4	7.0	5070	2	16	945
1927-28	30	N.D.	1.2	860	2	4	97
1928-29	41	0	1.4	1040	3	10	71
1929-30	42	0	1.5	1070	1	15	72
1930-31	26	N.D.	1.2	888	4	26	70
1931-32	213	N.D.	4.9	3560	12	28	415
1932-33	167	N.D.	1.8	1340	1	19	299
1933-34	360	N.D.	3.4	2440	1	1	640
1934-35	150	N.D.	4.2	3080	4	8	420
1935-36	80	0.3	4.5	3280	2	2	676
1936-37	142	0.4	9.3	6770	12	30	252
1937-38	752	1.0	13.2	9520	3	2	2100
1938-39	50	0.2	2.4	1750	12	19	172
1939-40	43	0.1	2.2	1570	1	8	225
1940-41	255	0.1	12.9	9340	3	4	443
1941-42	23	0.1	1.4	1030	12	10	44
1942-43	874	0.1	14.8	10720	1	23	2100
1943-44	325	0.5	5.8	4200	2	22	680
1944-45	106	0.2	3.6	2580	11	11	400
1945-46	156	0.1	3.2	2310	12	23	540
1946-47	140	0.1	4.0	2910	12	26	400
1947-48	8.8	N.D.	0.7	536	4	28	28
1948-49	18	N.D.	0.8	610	1	20	35
1949-50	37	0	1.2	888	12	18	157
1950-51	5.6	0	0.3	237	4	28	16
1951-52	348	0	8.3	6060	1	16	1360
1952-53	18	0	1.1	813	12	1	252
1953-54	110	0	2.1	1510	1	25	376
1954-55	15	0	0.8	567	1	18	39
1955-56	155	0	1.5	1100	1	26	544
1956-57	33	0	0.9	674	1	13	108
1957-58	212	0	7.8	5680	4	3	608
1958-59	200	0.1	2.2	1590	12	6	2000E
1959-60	15	0	1.1	794	4	27	84
1960-61	23	0	0.6	443	11	12	230
1961-62	472	0	6.2	4480	2	11	770
1962-63	71	0	1.3	922	2	9	346
1963-64	48	0	0.9	673	1	21	178
1964-65	48	0	1.3	930	4	9	163
1965-66	523	0	8.6	6200	12	29	1670
1966-67	688	0.6	13.5	9740	12	6	2250
1967-68	32	0.4	2.3	1640	11	19	282
1968-69	5540	0.7	55.2	39980	1	25	13000
1969-70	99	0.8	4.2	3010	2	28	898
1970-71	93	0.6	3.3	2400	11	29	259
1971-72	23	0.1	1.0	742	12	24	62

N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. U 8-R
SAN GABRIEL RIVER
below Morris Dam

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 212.4 square miles

LOCATION – 1.1 miles downstream of Morris Dam, 2.7 miles northeast of Azusa

REGULATION – all flows regulated by Cogswell, San Gabriel, and Morris Dams

CHANNEL – gravel and boulders, natural section

CONTROL – channel forms control

LENGTH OF RECORD – May 1894 to date

REMARKS – flows up to 90 cfs are at times diverted post the station through the Azusa Conduit; flows at station may include imported water from the MWD outlet below Morris Dam

cross-section

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. U8-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	45	74	77	78	e 2.3	1,060	99	7.4	0	0	0	0
2	53	73	77	64	e 2.3	986	46	6.8	0	0	0	0
3	53	73	77	48	e 2.2	777	2.5	b 6.5	0	0	0	0
4	53	73	77	47	e 2.1	511	+	6.2	0	0	0	0
5	54	73	77	47	e 2.0	252	0	5.9	0	0	0	0
6	54	74	77	47	e 2.0	380	0	5.5	0	0	0	0
7	56	71	77	47	e 2.0	486	0	5.0	0	0	0	0
8	54	70	77	31	e 2.0	486	0	5.0	0	0	0	0
9	54	70	77	b 12.0	e 2.0	459	0	5.0	0	0	0	0
10	54	69	77	b 11.2	e 7.0	462	0	5.0	0	0	0	0
11	54	69	77	b 10.4	e 5.0	479	0	5.0	0	0	0	0
12	56	69	76	b 9.6	e 2.0	449	0	5.0	0	0	0	0
13	56	70	76	b 8.8	e 2.0	445	0	5.0	0	0	0	0
14	56	70	76	b 8.0	e 2.0	445	0	5.0	0	0	0	0
15	57	71	76	b 7.0	e 3.0	449	0	4.0	0	0	0	0
16	57	71	74	e 6.4	e 4.0	391	1.0	3.0	0	0	0	0
17	58	71	74	e 5.8	e 5.0	230	103	2.0	0	0	0	0
18	59	71	74	e 5.2	e 5.0	204	81	1.0	0	0	0	0
19	59	71	74	e 4.6	e 5.0	204	46	0	0	0	0	0
20	60	73	76	e 4.0	e 5.0	202	44	0	0	0	0	0
21	60	74	74	e 3.4	e 7.0	202	40	0	0	0	0	0
22	60	74	74	e 2.5	e 7.5	199	42	0	0	0	0	0
23	60	74	73	e 2.5	e 7.5	199	31	0	0	0	0	0
24	60	74	74	e 2.5	e 7.5	196	24	0	0	0	0	0
25	59	74	76	e 2.5	e 7.5	196	19.3	0	0	0	0	0
26	58	74	78	e 2.5	e 7.5	196	16.8	0	0	0	0	0
27	58	74	80	e 2.5	7.5	188	17.6	0	0	0	0	0
28	66	76	78	e 2.5	48	173	18.1	0	0	0	0	0
29	76	77	80	e 2.5		173	13.0	0	0	0	0	0
30	76	77	80	e 2.4		153	9.9	0	0	0	0	0
31	74		78	e 2.4		101		0		0	0	
MEAN	58.4	72.5	76.4	17.1	5.81	366.3	21.8	2.84	0	0	0	0
ACRE-FEET	3,590	4,310	4,700	1,050	323	22,520	1,300	175	0	0	0	0

YEAR OR PERIOD MEAN 52.4

ACRE-FEET 37,970

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U8-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	404	135	0	0	0	0	0	0	e 8.1
2	0	0	0	404	135	0	0	0	0	0	0	e 13.0
3	0	0	0	423	135	0	0	0	0	0	0	e 4.9
4	0	0	0	434	135	0	0	0	0	0	0	0
5	0	0	0	430	78	0	0	0	0	0	0	0
6	0	0	0	427	0	0	0	0	0	0	0	0
7	0	0	0	427	0	0	0	0	0	0	0	0
8	0	0	0	374	0	0	0	0	0	0	0	0
9	0	0	0	302	0	0	0	0	0	0	0	0
10	0	0	0	246	0	0	0	0	0	0	0	0
11	0	0	0	106	0	0	0	0	0	0	0	0
12	0	0	0	69	0	0	0	0	0	0	0	0
13	0	0	0	68	0	0	0	0	0	0	0	0
14	0	0	0	117	0	0	0	0	0	0	0	0
15	0	0	35	146	0	0	0	0	0	0	0	0
16	0	0	178	135	0	0	0	0	0	0	0	0
17	0	0	153	143	0	0	0	0	0	0	0	0
18	0	0	71	141	0	0	0	0	0	0	0	0
19	0	0	74	141	0	0	0	0	0	0	0	0
20	0	0	73	141	0	0	0	0	0	0	0	0
21	0	0	80	139	0	0	0	0	0	0	0	0
22	0	0	74	139	0	0	0	0	0	0	0	0
23	0	0	257	139	0	0	0	0	0	0	0	0
24	0	0	408	139	0	0	0	0	0	0	0	0
25	0	0	408	137	0	0	0	0	0	0	0	0
26	0	0	408	137	0	0	0	0	0	0	0	0
27	0	0	404	137	0	0	0	0	0	0	0	0
28	0	0	404	137	0	0	0	0	0	0	0	0
29	0	0	404	137		0	0	0	0	0	0	0
30	0	0	404	137		0	0	0	0	0	0	0
31	0		404	135		0		0		0	0	
MEAN	0	0	137	213	22.1	0	0	0	0	0	0	0.87
ACRE-FEET	0	0	8,410	13,070	1,230	0	0	0	0	0	0	52

YEAR OR PERIOD MEAN 31.4
ACRE-FEET 22,760

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U8-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Morris Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	34	0	0	0	0	0	0	0	0
2	0	0	0	35	0	0	0	0	0	0	0	0
3	0	0	0	80	0	0	0	0	0	0	0	0
4	8.6	0	0	133	0	0	0	0	0	0	0	0
5	13.5	0	0	231	0	0	0	0	0	0	0	0
6	3.4	0	0	296	0	0	0	0	0	0	0	0
7	0	0	0	296	0	0	0	0	0	0	0	0
8	0	0	0	299	75	0	0	0	0	0	0	0
9	0	0	0	299	146	0	0	0	0	0	0	0
10	0	0	0	299	117	0	0	0	0	0	0	0
11	0	0	0	299	114	0	0	0	0	0	0	0
12	0	0	0	299	110	0	0	0	0	0	0	0
13	0	0	0	299	110	0	0	0	0	0	0	0
14	0	0	0	299	110	0	0	0	0	0	0	0
15	0	0	0	299	110	0	0	0	0	0	8.7	0
16	0	0	0	299	110	0	0	0	0	0	9.8	0
17	0	0	0	131	110	0	0	0	0	0	0	0
18	0	0	0	0	112	0	0	0	0	0	0	0
19	0	0	0	0	112	0	0	0	0	0	0	0
20	0	0	0	0	114	0	0	0	0	0	0	0
21	0	0	0	0	93	0	0	0	0	0	0	0
22	0	0	+	0	58	0	0	0	0	0	0	0
23	0	0	+	0	0	0	0	0	0	0	0	0
24	0	0	4.0	0	0	0	0	0	0	0	0	0
25	0	0	+	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	5.2	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	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		5.0	0		0		0		0	0	
MEAN	0.89	0	0.46	127	55.2	0	0	0	0	0	0.60	0
ACRE-FEET	55	0	28	7,790	3,180	0	0	0	0	0	37	0

YEAR OR PERIOD MEAN 15.3
ACRE-FEET 11,090

STATION DATA SUMMARY

STA. NO. 08-R
SAN GABRIEL RIVER BELOW MORRIS DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1895-96	134	0	N.D.	N.D.			N.D.
1896-97	1760	0	95.6	69200			N.D.
1897-98	1600	0	9.6	6920			N.D.
1898-99	15	0	0.1	74			N.D.
1899-00	49	0	0.4	272			N.D.
1900-01	5170	0	94.1	68100	2	5	6250
1901-02	318	0	4.3	3100			N.D.
1902-03	2940	0	104	74900			N.D.
1903-04	1070	0	9.3	6720			N.D.
1904-05	2940	0	172	124000			N.D.
1905-06	7950	0	262	190000			N.D.
1906-07	6730	0	406	293000			N.D.
1907-08	1160	0	46.4	33700			N.D.
1908-09	7030	0	197	143000			N.D.
1909-10	12400	0	137	99100	1	1	13900
1910-11	9100	0	321	231000	3	10	13500
1911-12	2950	0	55.5	40300			N.D.
1912-13	1880	0	25.6	18600			N.D.
1913-14	11800	0	359	260000	2	20	18100
1914-15	1110	0	108	77900	1	29	2770
1915-16	22300	0	315	228000	1	18	40000
1916-17	3900	0	49.3	35700			N.D.
1917-18	4940	0	123	88600	3	17	8680
1918-19	76	0	3.2	2290	2	11	230
1919-20	2400	0	94.6	68700	3	2	5000
1920-21	2050	0	40.1	29000	3	14	4000
1921-22	16000	0	505	365000	12	19	22300
1922-23	2250	0	44.0	31800	12	13	3670
1923-24	253	0	3.5	2540	3	26	510
1924-25	588	0	4.2	3030	3	4	3000
1925-26	5530	0	113	81700	4	7	14900
1926-27	11400	0	123	88900	2	16	18200
1927-28	672	0	4.1	2940	2	4	1810
1928-29	411	0	10.0	7210	3	10	895
1929-30	396	0	21.5	15600	3	15	586
1930-31	601	0	9.5	6900	4	26	1450
1931-32	5830	0	120	87200	2	9	7500
1932-33	1630	0	21.9	15900	1	19	5820
1933-34	2380	0	30.4	22080	1	1	6120
1934-35	460	0	102	74080	2	9	507

STATION DATA SUMMARY

STA. NO. U8-R
SAN GABRIEL RIVER BELOW MORRIS DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1935-36	224	0	31.6	22980	4	10	455
1936-37	1770	0	195	141100	2	20	1950
1937-38	21660	0.1	415	300200	3	2	65700
1938-39	316	6.5	53.5	38680			N.D.
1939-40	506	0	50.5	36640	6	24	506
1940-41	3870	0	317	229300	3	4	4460
1941-42	370	2.5	13.1	9480	4	20	422
1942-43	10370	2.0	334	242000	1	23	12100
1943-44	2710	3.6	184	133700	2	22	5170
1944-45	980	6.1	62.8	45490	2	6	988
1945-46	937	0.3	75.9	54930	12	23	980
1946-47	2930	0	74.9	54220	12	31	2980
1947-48	1170	0	18.1	13170	6	2	1320
1948-49	61	0	5.7	4140	10	27	.79
1949-50	7.9	0	0.7	51	7	31	8.2
1950-51	47	0	8.6	6220	4	27	168
1951-52	3530	0	91.1	66120			N.D.
1952-53	1190	0	69.4	50240			N.D.
1953-54	960	0	34.6	25030	4	16	9420
1954-55	9.9	0	0.1	86	9	26	10
1955-56	43	0	0.2	176	9	30	45
1956-57	650	0	12.4	9010	4	14	656
1957-58	2470	0	241	174100	4	5	2780
1958-59	348	0	11.3	8200	2	24	364
1959-60	0	0	0	0			
1960-61	7.5	0	1.7	1250	5	6	9.1
1961-62	1520	0	102	73590	2	12	1650
1962-63	27	0	1.0	712	9	4	45
1963-64	22	0	0.2	160	8	26	50
1964-65	276	0	10.7	981	6	12	291
1965-66	7260	0	225	162900	11	23	8640
1966-67	3750	0	232	167900	12	6	5680
1967-68	236	0	31.7	23030	11	25	326
1968-69	19300	0	750	543000	2	25	29850
1969-70	1060	0	52.4	37970	2	28	1102
1970-71	434	0	31.4	22760	1	4	439
1971-72	299	0	15.3	11090	12	8	299

N.D. = NOT DETERMINED

STATION NO. U 14-R
BIG ROCK CREEK
above Mouth of Canyon

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 22.9 square miles

LOCATION – 0.1 mile above Punchbowl Canyon, 0.9 mile southwest of Valyermo

REGULATION – none

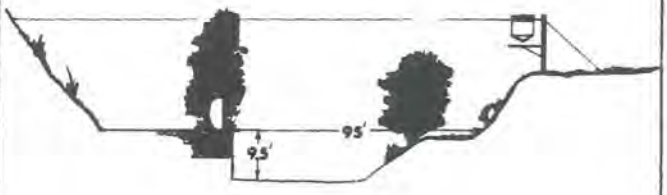
CHANNEL – natural; sand, gravel, and boulders

CONTROL – channel forms control

LENGTH OF RECORD – January, 1923 to September, 1937
May 1938 to date

REMARKS – operated and maintained by USGS

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO U14-R

DAILY DISCHARGE IN SECOND-FEET OF BIG ROCK CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10	9.9	10	10	8.2	106	17	12	8.4	8.3	5.5	3.6
2	10	10	10	10	8.1	69	16	11	8.5	7.9	5.5	3.6
3	10	10	9.8	11	8.0	42	16	11	8.5	8.0	5.5	3.6
4	10	11	9.8	10	8.0	35	15	11	8.4	8.0	5.5	3.4
5	11	11	9.9	10	7.8	31	15	10	8.6	7.6	5.5	3.6
6	11	13	9.7	11	7.6	24	14	10	8.7	7.0	5.1	3.5
7	11	13	9.0	11	7.7	22	14	13	8.8	6.9	5.0	3.4
8	10	12	9.0	11	7.6	20	14	13	8.9	7.0	4.8	3.4
9	11	12	9.0	11	11	19	14	13	9.0	7.1	4.7	3.3
10	11	13	9.0	12	33	19	15	13	9.0	7.1	4.6	3.2
11	11	13	9.0	12	40	19	15	13	9.0	6.8	4.5	3.2
12	11	13	8.9	11	13	18	15	13	9.0	6.3	4.8	3.2
13	11	13	8.8	11	11	18	15	12	9.2	6.2	4.7	3.2
14	11	13	8.6	11	10	20	15	12	9.1	6.0	4.4	3.4
15	11	12	8.5	11	10	25	14	11	9.1	5.9	4.4	3.4
16	12	12	8.5	10	10	26	14	11	9.0	5.9	5.3	3.3
17	12	12	8.5	9.5	9.5	25	14	11	8.7	5.9	4.8	3.3
18	13	12	8.5	9.0	9.5	25	13	11	8.4	5.8	4.4	3.2
19	12	12	9.0	8.5	9.5	22	13	11	8.1	5.9	4.4	3.2
20	12	12	9.0	8.5	9.0	20	13	11	8.1	5.7	4.3	3.3
21	12	12	9.0	8.1	9.0	19	13	11	8.0	5.7	4.1	3.3
22	12	12	9.0	8.0	8.5	18	13	10	7.9	5.8	5.2	3.3
23	12	12	9.5	8.0	8.5	18	13	10	7.8	5.8	3.9	3.2
24	12	12	9.5	8.9	8.5	19	12	9.9	7.6	5.7	3.9	3.2
25	12	11	9.5	9.0	8.5	20	12	11	7.3	5.9	3.8	3.2
26	11	10	9.5	8.9	8.0	21	12	12	7.7	5.9	3.7	3.3
27	9.7	10	10	8.7	8.0	21	13	11	8.2	5.9	3.8	3.2
28	9.9	10	9.8	9.0	58	20	13	10	8.4	5.9	3.7	3.2
29	9.9	10	9.6	9.2		19	12	10	8.8	5.7	3.7	3.3
30	9.3	10	10	8.5		19	11	9.8	8.6	5.7	3.6	3.2
31	4.8		10	8.0		18		9.9		5.7	3.6	
MEAN	11.4	11.6	9.79	9.76	12.7	26.4	13.8	11.3	8.49	6.42	4.54	3.32
ACRE-FEET	693	690	571	600	705	1,620	823	693	505	395	279	198

YEAR OR PERIOD MEAN 10.7
ACRE-FEET 7,770

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. U14-R

DAILY DISCHARGE IN SECOND-FEET OF BIG ROCK CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.[illegible]	3.[illegible]	35	13	16	10	13	12	9.5	8.1	5.9	4.7
2	3.[illegible]	3.[illegible]	14	19	15	10	13	11	9.5	7.9	5.5	4.6
3	3.4	3.[illegible]	12	15	14	11	13	11	9.5	7.7	5.3	4.6
4	3.4	3.[illegible]	11	11	14	11	13	11	9.5	7.6	6.3	4.4
5	3.3	3.[illegible]	11	10	13	11	13	11	9.5	7.5	6.2	4.2
6	3.3	3.[illegible]	11	10	13	11	13	11	10	7.2	6.2	4.4
7	3.4	3.4	11	10	12	11	12	12	10	7.1	6.1	4.4
8	3.5	3.5	11	10	12	11	12	10	10	7.1	6.0	4.[illegible]
9	3.4	3.5	12	9.9	11	11	12	10	11	6.9	5.9	4.2
10	3.3	3.[illegible]	12	9.7	11	11	12	10	10	6.8	5.9	4.1
11	3.3	3.3	12	9.7	11	11	14	9.8	10	6.7	5.9	4.1
12	3.3	3.5	12	11	11	11	14	9.8	9.5	6.6	5.8	4.1
13	3.3	3.7	11	11	11	12	12	10	9.5	6.6	6.0	3.9
14	3.3	3.8	11	11	11	12	12	11	9.7	6.4	5.9	3.8
15	3.4	4.1	11	11	11	11	12	10	9.6	6.7	5.8	3.8
16	3.3	3.7	10	11	12	11	13	10	9.5	6.6	5.7	3.8
17	3.4	3.6	11	11	13	11	13	11	9.4	6.8	5.6	3.8
18	3.4	3.5	11	18	12	11	13	12	9.1	6.6	5.5	3.8
19	3.4	3.8	11	27	12	11	12	11	9.2	6.5	5.2	3.8
20	3.5	3.8	11	40	12	11	12	11	9.5	6.4	4.6	3.8
21	3.6	3.5	12	43	11	11	12	11	9.5	6.5	4.7	3.8
22	3.7	3.5	12	35	11	11	12	12	9.6	6.4	4.8	3.8
23	3.6	3.5	11	32	11	12	12	11	9.5	6.3	4.8	3.8
24	3.8	3.5	11	29	11	12	12	11	9.5	6.2	6.0	3.8
25	3.4	3.8	11	26	11	12	12	11	9.4	6.1	5.1	4.0
26	3.5	4.3	11	24	11	12	12	10	9.5	6.1	4.9	4.1
27	3.5	4.3	12	21	10	14	12	10	10	6.0	4.8	4.3
28	3.5	7.2	12	21	10	13	12	10	10	5.9	4.8	4.3
29	3.5	166	12	19		13	12	10	9.1	5.9	4.8	4.3
30	3.4	74	12	18		13	12	9.5	8.2	6.0	4.8	4.3
31	3.1		12	17		13		9.5		5.9	4.8	
MEAN	3.41	11.4	12.2	18.2	11.9	11.5	12.4	10.6	9.59	6.68	5.54	4.10
ACRE-FEET	209	680	752	1,120	661	706	740	654	571	411	340	244

YEAR OR PERIOD MEAN 9.79
ACRE-FEET 7,080

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. U14-R

DAILY DISCHARGE IN SECOND-FEET OF BIG ROCK CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	4.0	4.1	4.4	12	11	9.4	9.5	7.6	5.4	4.1	4.0	3.4
2	4.0	4.1	4.8	12	12	9.5	9.5	7.3	5.4	3.8	3.9	3.4
3	3.9	3.8	5.0	12	12	9.3	10	7.3	5.2	3.8	3.9	3.4
4	3.9	3.8	5.0	12	11	9.2	10	6.8	5.0	3.8	4.2	3.3
5	3.8	3.8	5.0	12	11	9.5	11	6.7	4.9	3.8	4.3	3.3
6	3.8	3.8	5.0	12	11	9.9	11	6.5	4.8	3.8	4.6	3.3
7	3.7	3.8	5.1	12	9.0	10	11	6.3	5.5	3.8	4.3	3.3
8	3.6	3.8	5.0	12	9.0	10	10	6.4	5.4	3.8	4.2	3.0
9	3.6	3.8	5.0	12	9.0	9.9	10	6.0	5.4	4.1	4.4	3.0
10	3.5	3.8	5.0	12	9.3	9.7	11	6.0	5.4	3.9	4.4	2.9
11	3.5	3.8	5.0	12	9.4	9.7	11	5.8	5.4	3.9	4.3	3.0
12	3.5	4.2	5.4	12	9.2	9.5	10	5.7	5.4	3.9	4.6	2.7
13	3.4	4.1	5.4	12	9.0	9.5	9.5	5.6	5.4	3.8	4.5	2.6
14	3.5	4.2	5.0	12	9.0	9.4	9.0	6.3	5.0	3.7	4.7	2.5
15	3.7	4.4	5.0	13	9.0	9.3	9.0	6.0	5.0	4.0	4.7	2.5
16	4.1	4.4	5.2	13	9.0	9.3	8.5	6.0	5.0	4.0	4.6	2.2
17	4.6	4.4	5.4	12	8.8	9.3	8.0	5.7	5.0	4.0	4.6	2.2
18	4.5	4.4	5.4	11	9.2	9.4	9.0	5.4	5.0	4.1	5.3	2.3
19	4.3	4.4	5.4	11	9.1	9.4	9.0	5.8	5.0	4.0	4.9	2.3
20	4.0	4.4	5.4	11	8.9	9.3	8.3	5.8	5.4	4.0	4.7	2.0
21	4.0	4.4	5.8	11	8.9	9.4	9.3	5.8	5.4	4.4	4.6	2.0
22	4.0	4.7	9.2	10	8.9	9.4	9.2	5.4	5.4	4.4	4.5	2.0
23	4.0	4.7	9.0	10	9.0	9.6	8.4	5.4	5.0	4.1	4.2	2.0
24	4.2	4.7	190	10	8.9	9.4	8.3	5.0	5.0	4.2	4.2	1.8
25	4.4	4.7	90	11	8.8	9.4	8.4	5.0	4.7	4.1	4.1	1.8
26	4.2	4.6	58	11	9.2	9.4	8.2	4.7	4.7	4.4	4.0	1.8
27	4.1	4.5	20	12	9.0	9.5	7.9	4.7	4.7	4.3	3.9	1.8
28	4.1	4.4	12	12	9.3	9.5	7.9	4.7	4.7	4.3	4.0	1.6
29	4.1	4.4	12	12	9.4	9.5	7.4	5.8	4.4	4.3	3.9	1.6
30	4.3	4.4	12	11		10	7.4	5.8	4.4	4.1	3.8	1.7
31	4.2		12	11		9.5		5.6		4.5	3.5	
MEAN	3.95	4.23	17.0	11.6	9.53	9.52	9.22	5.90	5.08	4.04	4.32	2.49
ACRE-FEET	243	252	1,060	714	548	585	549	363	302	248	265	148

YEAR OR PERIOD MEAN 7.26
ACRE-FEET 5,270

STATION DATA SUMMARY

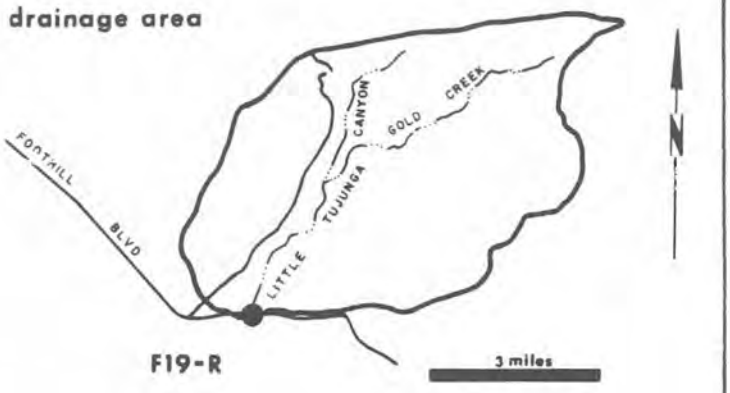
STA. NO. U14-R
BIG ROCK CREEK ABOVE MOUTH OF CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1923-24	18	2.0	5.8	4180	4	14	19
1924-25	12	1.7	4.0	2860	4	4	16
1925-26	251	1.6	16.8	12200	4	7	416
1926-27	433	5.5	22.0	16000	2	16	510
1927-28	46	2.2	7.5	5470	2	4	86
1928-29	56	1.8	5.4	3870	3	10	136
1929-30	45	2.0	8.5	6160	3	25	56
1930-31	51	2.6	5.9	4270	4	26	98
1931-32	378	2.6	22.8	16500			N.D.
1932-33	22	3.0	8.2	5950	4	4	24
1933-34	193	2.0	6.6	4760	1	1	246
1934-35	217	1.5	24.6	17800	12	14	338
1935-36	65	2.2	6.9	5000	2	23	70
1936-37	241	2.2	30.0	21710			N.D.
1937-38	*	*	*	*	3	2	8300**
1938-39	124	6.0	14.7	10660	12	18	552
1939-40	78	5.0	11.9	8660	2	25	150
1940-41	410	4.5	50.3	36420	2	21	512
1941-42	24	4.1	9.7	7000	8	10	175
1942-43	1380	3.6	42.5	30740	1	23	3000
1943-44	112	6.5	33.2	24120	12	19	180
1944-45	129	5.8	14.4	10450	11	11	513
1945-46	385	4.8	20.1	14560	12	21	650
1946-47	540	5.5	22.2	16040	12	26	900
1947-48	45	2.9	6.4	4640	4	29	84
1948-49	24	*	5.8	4180	4	23	26
1949-50	31	1.6	4.7	3390	2	26	48
1950-51	3.7	0.9	1.9	1380	4	28	4.3
1951-52	139	0.7	24.2	17540	12	30	224
1952-53	14	2.0	6.6	4780	12	1	17
1953-54	150	1.8	9.6	6980	1	25	320
1954-55	26	4.0	8.2	5940	11	11	48
1955-56	185	2.3	6.6	4800	1	26	380
1956-57	149	2.3	6.1	4420	1	13	362
1957-58	203	2.5	34.6	25020	12	15	399
1958-59	88	2.5	7.2	5190	2	16	215
1959-60	5.1	1.3	2.9	2130	2	1	6.5
1960-61	20	0.9	2.4	1740	11	5	34
1961-62	678	0.9	19.7	14240	2	11	1090
1962-63	26	1.8	4.6	3360	2	9	80
1963-64	6.7	1.8	4.0	2900	11	20	13
1964-65	38.0	1.6	5.5	3970	4	26	46
1965-66	546	2.6	34.0	26640	12	29	2100
1966-67	544	3.5	27.5	19940	12	6	1200
1967-68	114	4.9	11.3	8230	11	19	240
1968-69	2370	3.2	69.6	50380	1	25	4760
1969-70	106	3.2	10.7	7770	2	28	182
1970-71	166	3.0	9.8	7080	11	29	534
1971-72	190	1.6	7.3	5270	12	27	2200

** = STATION DESTROYED BY FLOOD OF 3-2-38.
PEAK FLOW BY SLOPE-AREA METHOD
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE

STATION NO. F 19 - R
LITTLE TUJUNGA WASH
at Foothill Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 21.0 square miles

LOCATION – at Foothill Boulevard bridge, 4.0 miles easterly of San Fernando

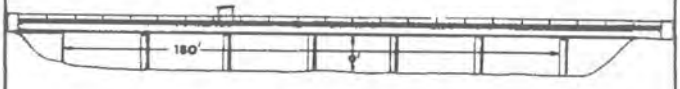
REGULATION – none

CHANNEL – sand and silt, natural in section

CONTROL – concrete wall below gage

LENGTH OF RECORD – December 26, 1928, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F19-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE TUJUNGA WASH at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	37	0	0	0	0	0	0
2	0	0	0	0	0	17	0	0	0	0	0	0
3	0	0	0	0	0	4.1	0	0	0	0	0	0
4	0	0	0	0	0	7.6	0	0	0	0	0	0
5	0	0	0	0	0	16	0	0	0	0	0	0
6	0	0	0	0	0	3.7	0	0	0	0	0	0
7	0	e 1.0	0	0	0	1.4	0	0	0	0	0	0
8	0	e 1.0	0	0	0	0.9	0	0	0	0	0	0
9	0	0	0	0	7.3	0.6	0	0	0	0	0	0
10	0	0	0	0	7.9	0.4	0	0	0	0	0	0
11	0	0	0	0	e 2.0	+	0	0	0	0	0	0
12	0	0	0	0	e 0.2	+	0	0	0	0	0	0
13	0	0	0	0	0	+	0	0	0	0	0	0
14	0	0	0	0	0	+	0	0	0	0	0	0
15	0	0	0	0	0	+	0	0	0	0	0	0
16	0	0	0	0	0	0	+	0	0	0	0	0
17	0	0	0	+	0	+	0	0	0	0	0	0
18	0	0	0	0	0	+	0	0	0	0	0	0
19	0	0	0	0	0	+	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	+	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	+	0	0	0	0	0	0	0
27	0	0	0	0	+	0	0	0	0	0	0	0
28	0	0	0	0	36	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0.07	0	+	1.91	2.86	+	0	0	0	0	0
ACRE-FEET	0	4.0	0	+	106	176	+	0	0	0	0	0

YEAR OR PERIOD MEAN 0.39
ACRE-FEET 286

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO 19-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE TUJUNGA WASH at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	+	0	0	0	0	0	0	0	0
2	0	0	8.9	+	0	0	0	0	0	0	0	0
3	0	0	3.6	+	0	0	0	0	0	0	0	0
4	0	0	+	+	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	+	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	+	0	0	0	0	0	0	0	0
13	0	0	0	+	+	+	0	0	0	0	0	0
14	0	0	0	+	0.7	+	0	0	0	0	0	0
15	0	0	0	+	+	0	0	0	0	0	0	0
16	0	0	+	+	+	0	0	0	0	0	0	0
17	0	0	6.3	0	2.0	0	0	0	0	0	0	0
18	0	0	45	0	+	0	0	0	0	0	0	0
19	0	0	42	0	+	0	0	0	0	0	0	0
20	0	0	+	0	0	0	0	0	0	0	0	0
21	0	0	77	0	0	0	0	0	0	0	0	0
22	0	0	15	0	0	0	0	0	0	0	0	0
23	0	0	14	0	0	0	0	0	0	0	0	0
24	0	0	9.0	0	0	0	0	0	0	0	0	0
25	0	0	7.1	0	0	0	0	0	0	0	0	0
26	0	0	7.1	0	0	0	0	0	0	0	0	0
27	0	0	3.7	0	0	0	0	0	0	0	0	0
28	0	10	3.3	0	0	0	0	0	0	0	0	0
29	0	93	3.7	0		0	0	0	0	0	0	0
30	0	2.3	2.5	0		0	0	0	0	0	0	0
31	0		2.5	0		0		0		0	0	
MEAN	0	3.51	8.09	+	0.10	+	0	0	0	0	0	0
ACRE-FEET	0	208	497	+	5.4	+	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.98
ACRE-FEET 710

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F19-R

DAILY DISCHARGE IN SECOND-FEET OF LITTLE TUJUNGA WASH at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
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	2.9	0	0	0	0	0	0	0	0	0
25	0	0	58	0	0	0	0	0	0	0	0	0
26	0	0	b 18	0	0	0	0	0	0	0	0	0
27	0	0	b 26	0	0	0	0	0	0	0	0	0
28	0	0	13	0	0	0	0	0	0	0	0	0
29	0	0	2.9	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0	3.89	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	239	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.35
ACRE-FEET 239

STATION DATA SUMMARY

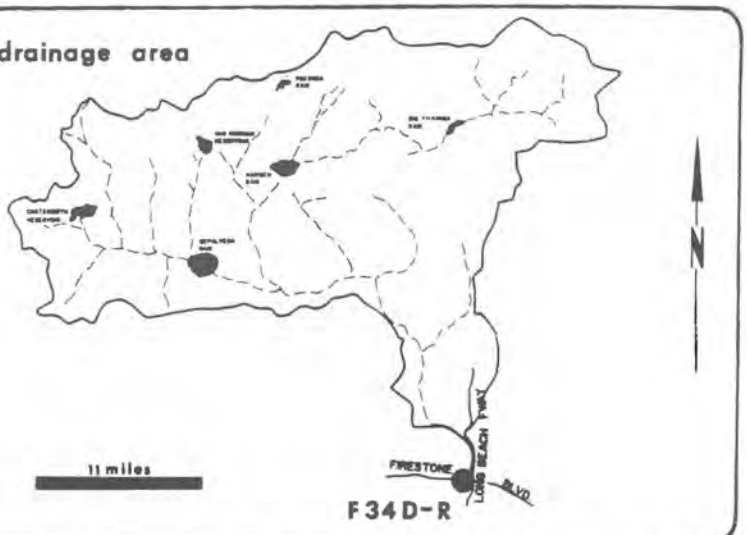
STA. NO. F19-R
LITTLE TUJUNGA WASH AT FOOTHILL BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1930-31	7.1	0	0.1	57	2	4	30
1931-32	274	0	2.6	1870	2	9	660
1932-33	118	0	0.7	514	1	19	450
1933-34	258	0	1.1	819	1	1	1360
1934-35	63	0	0.6	455	12	13	89
1935-36	83	0	1.3	929	2	2	653
1936-37	175	0	6.6	4760	2	14	964
1937-38	1300	0	12.4	8960	3	2	8500 E
1938-39	40	0	0.7	504	3	9	175
1939-40	148	0	1.2	899	1	8	2090
1940-41	534	0	14.6	10600	3	4	1310
1941-42	30	0	0.3	199	12	28	198
1942-43	592	0	10.2	7380	1	23	3700
1943-44	826	0	8.0	5840	2	22	4220
1944-45	48	0	0.8	550	11	11	244
1945-46	96	0	0.8	577	3	30	156
1946-47	54	0	1.0	706	11	20	200
1947-48	2.6	0	+	9.1	3	24	16
1948-49	0.1	0	+	0	5	19	0.9
1949-50	3.1	0	+	29	12	18	9.8
1950-51	1.4	0	+	9.0	1	11	13
1951-52	422	0	7.7	5570	1	16	2110
1952-53	18	0	0.2	184	12	1	138
1953-54	43	0	0.6	407	2	13	198
1954-55	7.3	0	0.1	47	1	18	35
1955-56	125	0	0.5	385	1	26	445
1956-57	5.0	0	0.1	35	2	28	112
1957-58	223	0	4.8	3440	4	3	559
1958-59	10	0	0.1	71	1	6	84
1959-60	0.6	0	+	1.4	2	1	6.0
1960-61	11	0	0.1	52	11	5	266
1961-62	365	0	3.3	2390	2	11	1630
1962-63	9.8	0	0.1	45	2	10	52
1963-64	20	0	0.1	81	1	22	256
1964-65	50	0	0.3	201	4	9	223
1965-66	355	0	5.2	3760	11	24	1300
1966-67	358	0	5.7	4140	12	6	906
1967-68	43	0	0.6	420	11	19	112
1968-69	1180	0	16.9	12260	2	25	1420
1969-70	37	0	0.4	286	2	28	353
1970-71	93	0	1.0	710	11	29	569
1971-72	58	0	0.4	239	12	25	762

N.D. = NOT DETERMINED
E = ESTIMATE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F34D-R
LOS ANGELES RIVER
below Firestone Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 596.0 square miles

LOCATION – 472.0 feet downstream of Firestone Boulevard 3.0 miles west of Downey

REGULATION – partially regulated by Sepulveda, Pacoima, Big Tujunga, Hansen, and Devil's Gate Dams; and by several spreading grounds, reservoirs, and debris basins.

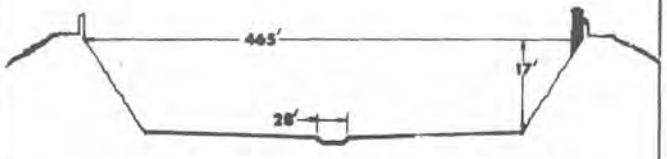
CHANNEL – concrete, with rip-rap side slopes, trapezoidal in section, with trapezoidal low-flow channel

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F34-R, March 1, 1928 to April 11, 1938
at Station F34B-R, April 11, 1938, to November 3, 1949
at Station F34C-R, November 4, 1949, to December 11, 1956
at Station F34D-R, December 11, 1956 to date

REMARKS – subject to diversions from Big Tujunga Creek, Arroyo Seco, and other domestic and irrigation diversions

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F34D-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Firestone Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	33	28	25	31	23	3,030	a 23	27	22	33	34	20
2	30	24	29	36	26	1,780	a 24	24	25	24	27	18
3	43	25	24	37	22	82	a 24	22	28	25	29	19
4	29	25	22	35	32	2,740	a 32	23	26	24	35	18
5	26	26	26	34	49	1,100	a 25	26	26	22	34	16
6	30	a 2,800	26	27	42	71	a 24	27	24	24	33	13
7	35	a 845	22	23	49	34	a 22	29	29	24	31	16
8	32	68	41	21	41	26	23	25	26	23	30	16
9	31	57	32	62	1,190	28	27	22	34	27	29	16
10	29	57	25	264	3,000	33	28	20	28	29	25	17
11	27	48	26	109	402	41	23	19	29	31	28	19
12	23	42	30	132	54	36	21	23	31	34	27	19
13	28	44	22	35	32	32	22	21	56	36	24	15
14	30	42	21	78	23	30	26	21	36	38	20	16
15	22	28	20	120	23	28	27	22	25	42	22	20
16	31	27	24	1,350	23	29	28	25	26	25	18	20
17	25	27	24	103	28	27	29	26	27	18	17	21
18	24	26	24	31	27	28	29	27	29	16	22	21
19	20	25	25	25	27	24	28	32	29	17	23	20
20	21	25	26	23	26	25	27	30	25	18	20	17
21	26	24	26	22	23	24	31	27	25	20	17	18
22	28	25	36	25	22	24	35	27	24	21	20	20
23	28	26	34	25	19	35	28	25	25	24	24	19
24	28	24	34	24	23	32	38	24	24	35	20	19
25	27	22	44	41	22	33	36	31	24	30	21	20
26	25	22	36	28	23	32	32	29	32	21	21	16
27	25	23	28	29	26	31	35	28	28	26	22	14
28	29	27	26	27	4,250	23	37	28	18	28	22	15
29	29	24	27	24		22	28	27	22	35	20	16
30	36	20	29	25		a 145	27	24	27	36	18	18
31	28		29	27		a 101		22		32	16	
MEAN	28.7	151	27.8	92.7	341	314	28.0	25.2	27.7	27.0	24.1	17.7
ACRE FEET	1,760	8,980	1,710	5,700	18,940	19,290	1,660	1,550	1,650	1,660	1,480	1,050

YEAR OR PERIOD MEAN 90.4
ACRE-FEET 65,440

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F34D-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Firestone Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	16.4	26	245	31	35	137	36	37	34	88	24	25
2	18.0	27	734	234	35	154	36	37	41	70	25	24
3	18.9	31	229	41	34	154	32	37	44	51	26	26
4	30	28	73	30	34	154	30	44	49	56	24	22
5	24	30	51	28	36	128	31	45	34	56	26	18.0
6	22	187	45	31	37	137	68	117	31	68	24	59
7	18.0	54	39	31	36	137	35	114	31	86	37	66
8	16.4	18.9	35	41	38	143	34	48	39	68	23	19.8
9	18.0	17.2	396	30	131	143	32	39	45	68	23	15.6
10	14.8	18.0	54	27	428	143	31	37	45	65	25	17.2
11	16.4	18.0	42	30	311	143	30	42	46	54	29	16.4
12	16.4	18.0	32	776	223	148	27	51	39	52	30	15.6
13	15.6	16.4	30	556	216	1,168	52	56	35	49	48	17.2
14	17.2	13.2	205	152	49	230	1,088	57	30	37	49	23
15	18.9	10.8	49	65	52	186	76	65	24	35	25	26
16	21	10.8	322	52	423	175	37	54	99	48	23	25
17	37	13.2	457	42	981	86	36	39	51	38	24	26
18	24	15.6	3,240	34	59	59	39	41	52	32	23	26
19	24	15.6	4,974	34	49	42	30	44	46	41	26	24
20	27	15.6	227	34	41	35	37	45	41	51	30	29
21	28	16.4	5,427	35	37	36	34	45	39	49	22	a 29
22	30	18.9	245	35	36	112	36	38	42	52	19.8	a 27
23	31	17.2	88	32	37	42	42	36	46	59	23	27
24	27	17.2	63	32	29	42	39	41	52	46	27	28
25	27	36	54	32	28	49	35	36	49	46	37	21
26	27	412	46	28	27	51	48	45	41	48	28	18
27	27	35	42	27	47	127	61	41	39	46	24	21
28	28	3,043	42	48	143	51	46	214	49	44	21	23
29	28	16,680	37	41		87	39	67	70	39	18.9	29
30	28	764	37	36		41	48	31	80	41	19.8	23
31	29		31	32		32		31		36	25	
MEAN	23.4	721	567	86.7	130	141	74.8	54.0	45.4	52.2	26.8	25.6
ACRE-FEET	1,440	42,900	34,890	5,310	7,200	8,670	4,450	3,320	2,700	3,210	1,650	1,520

YEAR OR PERIOD MEAN 162
ACRE-FEET 117,300

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F34D-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Firestone Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	18.9	17.2	16.4	48	25	30	22	15.0	22	36	26	25
2	18.0	17.2	38	41	24	29	20	21	22	31	24	26
3	21	24	278	46	24	28	27	21	22	28	22	24
4	22	27	59	39	22	26	25	19.0	19.8	29	19.8	21
5	23	23	29	31	182	25	25	21	18.9	28	17.2	25
6	24	22	23	31	57	28	22	21	34	29	16.4	29
7	24	16.4	22	38	29	22	22	20	80	35	18.0	25
8	24	17.2	18.9	30	28	23	20	26	57	18.9	24	22
9	23	22	19.8	26	26	26	22	24	34	17.2	24	22
10	21	26	26	25	28	23	26	24	31	19.8	27	16.4
11	26	37	22	29	35	28	22	28	27	22	30	19.8
12	26	432	18.9	29	51	22	22	27	29	24	343	28
13	29	46	205	29	28	20	20	35	36	25	103	29
14	22	22	34	32	39	16	16	22	34	30	23	25
15	22	21	19.8	27	30	16	18	25	34	27	19.8	23
16	121	23	18.9	27	28	19	22	22	32	23	16.4	22
17	184	18.0	42	37	30	24	34	19.8	31	26	16.4	15.6
18	59	21	35	38	31	23	48	24	27	30	18.9	16.4
19	49	19.8	25	32	28	32	46	22	27	28	18.9	18.9
20	41	18.0	26	34	27	31	44	27	34	39	16.4	22
21	41	16.4	30	31	30	27	34	34	40	35	19.8	22
22	46	14.8	2,380	27	35	29	25	32	38	32	24	23
23	48	22	204	28	30	31	20	23	31	26	24	21
24	655	21	6,980	26	37	22	23	22	28	34	24	18.9
25	398	18.0	1,950	28	31	22	34	22	27	41	26	21
26	33	14.8	627	29	27	19	44	22	32	25	19.8	24
27	29	14.8	5,570	35	24	24	26	21	38	27	18.9	29
28	26	14.8	1,490	26	28	24	23	17.2	38	31	18.0	26
29	18.0	14.8	222	30	32	24	22	21	38	29	30	26
30	17.2	14.8	97	25		24	17.0	18.0	38	23	22	24
31	14.0		64	22		22		18.0		24	23	
MEAN	68.5	34.5	664	31.5	36.1	25.3	26.4	23.0	33.3	28.5	34.6	23.0
ACRE-FEET	4,210	2,050	40,840	1,940	2,070	1,510	1,570	1,420	1,980	1,730	2,130	1,370

YEAR OR PERIOD MEAN 86.6
ACRE-FEET 62,820

STATION DATA SUMMARY

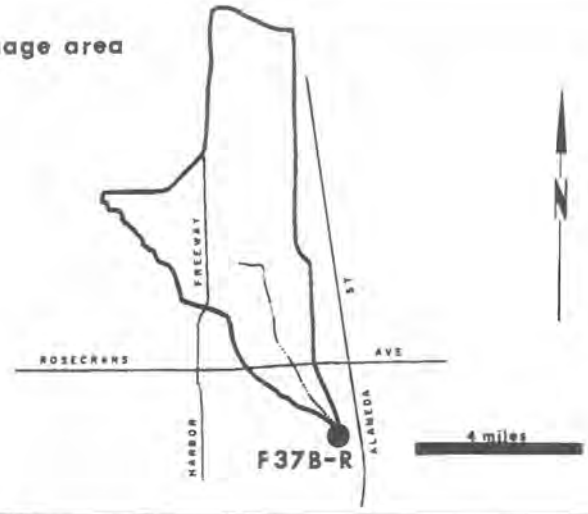
STA. NO. F34D-R
LOS ANGELES RIVER BELOW FIRESTONE BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	6990*	2	4	1120*
1928-29	775	0	13.6	9830	11	14	2010
1929-30	813	0	13.4	9730	3	15	2210
1930-31	1560	1.4	18.6	13450	2	4	4360
1931-32	2650	0.4	35.3	25620	2	8	4780
1932-33	2900	0	23.5	17020	1	19	7070
1933-34	8550	0	52.9	38330	1	1	29400
1934-35	1430	0	40.3	29170	1	5	10400
1935-36	1040	0	20.5	14920	2	12	5730
1936-37	3460	0	67.2	48630	12	30	10000E
1937-38B	40000	0	278	201300	3	2	79000
1938-39	5090E	0	108	78440	9	25	10800
1939-40C	2410	14E	80.5	58420	1	8	7610
1940-41	7580	10	345	249500	2	20	14800
1941-42	2030	27	97.8	70820	12	10	8210
1942-43	10700	18	268	193700	1	23	27500
1943-44	13000	38	249	180900	2	22	24800
1944-45	1980	16	91.0	65900	2	2	6970
1945-46	4000	8.4	95.8	69310	12	22	12500
1946-47	2760	14	99.7	72180	12	25	14900
1947-48	1280	10	52.8	38350	3	24	8980
1948-49	1130	11	49.1	35550	12	17	5300
1949-50	1770	8.5	43.9	31760	2	6	8480
1950-51	898	7.5	35.3	25560	1	11	5840
1951-52	12000	1.8	249	180500	1	16	32900
1952-53	2000	1.4	57.1	41380	11	15	14100
1953-54	4190	1.2	70.9	51330	2	13	19500
1954-55	2470	6.2	54.3	39340	1	18	13700
1955-56	12000	8.2	91.5	66440	1	26	28900
1956-57D	3960	3.8	53.2	38500	2	23	24600
1957-58	6290	4.3	191	138400	2	19	34100
1958-59	4550	5.9	51.4	37210	1	6	24200
1959-60	2090	4.0	43.6	31610	1	12	10700
1960-61	2230	4.5	32.6	23600	11	5	7810
1961-62	9630	3.8	170	123300	2	12	28400
1962-63	4080	4.3	56.2	40690	2	9	19300
1963-64	2810	2.6	49.6	36030	1	21	11400
1964-65	3380	4.3	66.5	48110	4	9	18700
1965-66	15700	4.3	209	151200	12	29	37000
1966-67	10000	6.0	159	114800	11	7	37100
1967-68	9410	13	116	84240	3	8	37400
1968-69	31800	12	541	391800	1	25	58000
1969-70	4250	13	90.4	65440	2	28	20900
1970-71	16700	11	162	117300	11	29	49800
1971-72	6980	14	86.6	62890	12	24	27400

B = RECORD BEGAN AT B LOCATION 04-11-38.
C = RECORD BEGAN AT C LOCATION 11-04-39.
D = RECORD BEGAN AT D LOCATION 12-11-56.
N.D. = NOT DETERMINED
E = ESTIMATE
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 37 B-R
COMPTON CREEK
near Greenleaf Drive

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 22.6 square miles

LOCATION – 120.0 feet above Greenleaf Boulevard, 1.5 miles southwest of Compton

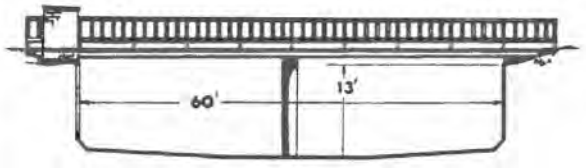
REGULATION – none

CHANNEL – concrete, rectangular in section, 60 feet wide by 13 feet deep

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F37-R, January 22, 1928, to June 9, 1938
at Station F37B-R, October 3, 1938, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F37B-R

DAILY DISCHARGE IN SECOND-FEET OF COMPTON CREEK near Greenleaf Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.6	0.6	0.9	0.3	0.5	77	0.5	0.5	0.5	0.9	0.3	0.9
2	1.9	0.9	0.9	0.3	0.3	86	0.5	0.3	0.8	1.2	0.3	0.6
3	1.2	0.8	0.8	0.3	0.3	0.5	0.6	0.3	0.8	1.2	0.5	0.6
4	0.8	0.8	0.8	0.2	0.5	192	0.5	0.3	0.8	0.9	0.5	0.6
5	0.3	1.6	0.9	0.2	0.5	24	0.3	0.3	0.6	0.6	0.3	0.5
6	0.3	122	1.2	0.2	0.5	0.8	0.3	0.2	0.6	1.6	0.3	0.5
7	0.2	29	0.8	0.5	0.9	0.5	0.6	0.2	0.6	1.6	0.2	0.5
8	0.4	0.3	0.9	0.5	0.8	0.5	0.5	0.3	0.6	1.6	0.8	0.5
9	0.4	0.3	0.9	41	29	0.5	0.5	0.6	0.6	0.9	0.6	0.3
10	0.4	2.3	0.5	54	174	0.5	0.6	0.3	0.6	1.2	0.8	0.6
11	0.3	0.5	0.3	15	21	0.5	0.5	0.3	0.9	0.9	0.6	1.2
12	0.4	0.5	0.5	1.9	0.5	0.6	0.3	0.5	1.2	0.5	0.9	0.9
13	0.2	0.5	0.8	0.2	0.6	0.5	0.3	0.5	5.2	0.8	0.8	0.6
14	0.6	0.6	0.8	16	0.5	0.6	0.8	0.5	0.8	0.6	0.6	0.6
15	1.9	0.8	0.6	2.2	0.5	0.5	0.8	0.6	0.8	0.8	0.9	0.3
16	0.4	0.8	0.5	198	0.5	0.3	0.5	0.5	0.9	0.8	0.5	0.8
17	0.6	0.5	0.9	0.8	0.8	0.5	0.8	0.6	0.9	1.2	0.5	0.6
18	0.6	0.2	0.5	0.5	0.8	0.3	0.8	0.2	0.8	2.3	0.5	0.5
19	0.6	0.2	0.3	0.3	0.6	0.3	0.5	0.2	1.2	2.3	0.3	0.3
20	0.6	0.2	0.5	0.5	0.6	0.5	0.5	0.6	0.9	0.9	0.3	0.5
21	0.6	0.3	0.5	0.5	0.8	0.5	0.5	0.9	1.2	1.2	0.5	0.6
22	0.4	0.5	0.8	0.8	0.6	0.5	0.5	0.9	1.6	1.2	0.3	0.3
23	0.4	0.9	0.6	0.9	2.6	0.3	0.6	0.6	1.2	0.9	0.2	0.3
24	0.6	0.5	0.5	0.8	1.6	0.5	0.8	0.5	1.9	1.2	0.3	0.9
25	0.4	0.8	0.5	0.6	0.8	0.2	0.5	0.3	0.8	0.9	0.9	0.6
26	0.3	0.8	0.3	0.5	0.5	0.2	0.5	0.6	0.8	0.5	0.6	0.5
27	0.2	0.6	0.5	0.6	0.8	0.5	0.3	0.6	1.6	0.5	0.8	0.3
28	0.6	0.5	0.2	0.8	275	0.3	0.5	0.8	0.6	1.2	0.6	0.3
29	0.4	0.6	0.2	0.5		0.5	0.9	0.6	0.5	2.3	0.5	1.2
30	0.4	0.9	0.2	0.5		4.0	0.9	0.6	0.8	0.6	0.2	0.9
31	0.4		0.5	0.5		1.9		0.5		0.8	0.5	
MEAN	0.59	5.66	0.62	10.9	18.4	12.8	0.56	0.47	1.04	1.10	0.51	0.59
ACRE-FEET	36	337	38	674	1,020	785	33	29	62	68	32	35

YEAR OR PERIOD MEAN 4.36

ACRE-FEET 3,150

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F37B-R

DAILY DISCHARGE IN SECOND-FEET OF COMPTON CREEK near Greenleaf Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	4.3	2.9	1.6	0.9	1.2	0.8	1.2	1.6	0.9	2.9	[illegible]	[illegible]
2	5.1	2.6	85	71	1.9	0.8	1.6	0.9	1.6	e 2.9	[illegible]	[illegible]
3	4.0	2.6	1.2	0.6	1.6	0.9	1.6	1.2	1.2	e 2.9	[illegible]	[illegible]
4	3.3	2.6	1.2	0.4	1.2	1.2	1.6	1.6	1.2	e 2.9	[illegible]	[illegible]
5	3.3	2.6	0.9	0.6	1.9	1.6	1.9	1.2	0.9	e 2.9	3.6	[illegible]
6	2.9	17.9	1.2	0.6	1.2	1.6	1.9	1.5	1.6	e 2.9	3.6	[illegible]
7	3.3	1.6	1.2	0.6	1.2	1.6	1.9	2.6	1.2	e 3.3	3.3	[illegible]
8	2.6	0.9	1.2	0.6	1.2	1.9	2.6	1.2	1.2	e 3.3	3.3	4.0
9	2.9	0.8	52	0.6	1.9	1.2	1.9	0.3	1.2	3.3	4.3	[illegible]
10	2.9	1.2	1.2	0.8	1.6	1.2	1.6	0.3	1.2	3.3	4.3	[illegible]
11	2.9	0.9	0.8	0.9	1.9	1.2	1.9	0.4	1.2	2.6	4.3	[illegible]
12	3.6	0.9	1.2	10.7	1.6	1.6	1.6	0.4	1.2	2.6	4.0	[illegible]
13	4.3	1.2	1.2	37	0.9	93	1.6	0.4	1.6	3.3	4.0	[illegible]
14	3.6	0.9	8.9	1.6	0.9	0.9	163	0.4	1.9	2.9	2.9	4.0
15	4.3	0.9	0.9	0.8	1.2	1.2	1.9	0.6	2.9	3.3	1.6	4.3
16	3.6	0.9	36	0.6	67	1.2	1.2	0.4	2.3	3.3	2.3	3.6
17	3.6	1.9	19.9	0.9	90	1.2	1.6	0.6	1.9	2.6	4.0	3.6
18	3.6	1.6	389	0.6	1.2	1.2	0.9	0.4	1.9	e 2.6	4.0	1.9
19	3.6	1.9	244	0.6	7.5	1.6	0.9	1.6	1.9	2.6	3.6	1.9
20	3.6	1.9	20	1.2	0.8	1.2	1.2	0.6	1.6	3.3	3.3	1.6
21	3.3	1.9	199	0.8	0.8	1.2	0.9	0.6	2.6	3.3	2.3	1.9
22	3.3	1.6	3.6	0.9	0.9	1.2	0.8	0.6	3.3	3.3	1.2	2.6
23	3.3	1.6	0.9	1.2	1.2	1.2	1.2	0.4	3.3	3.3	1.9	2.3
24	3.3	1.2	1.9	1.2	1.6	1.6	1.2	0.6	3.3	2.9	3.3	3.3
25	3.3	10.8	1.2	1.2	0.6	1.2	1.2	0.9	3.6	2.6	2.3	2.9
26	3.3	44	1.2	0.6	1.2	0.9	1.2	0.[illegible]	2.9	2.6	2.9	2.9
27	3.3	1.9	1.2	0.9	0.8	1.2	1.2	0.9	2.6	3.3	2.6	3.6
28	3.3	396	1.9	0.8	0.6	1.2	1.2	15.3	2.6	2.9	1.9	3.3
29	3.3	609	2.3	1.2		1.2	1.2	1.9	2.6	3.3	0.9	3.3
30	2.9	44	0.9	1.2		1.2	1.2	0.8	2.9	2.6	0.9	3.3
31	2.9		0.8	1.2		1.2		0.8		2.3	2.6	
MEAN	3.45	38.7	35.0	4.61	6.99	4.21	6.83	1.35	2.01	2.97	2.80	2.71
ACRE-FEET	212	2,300	2,150	284	388	259	406	83	120	183	172	161

YEAR OR PERIOD MEAN 11.7
ACRE-FEET 8,500

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F37B-R

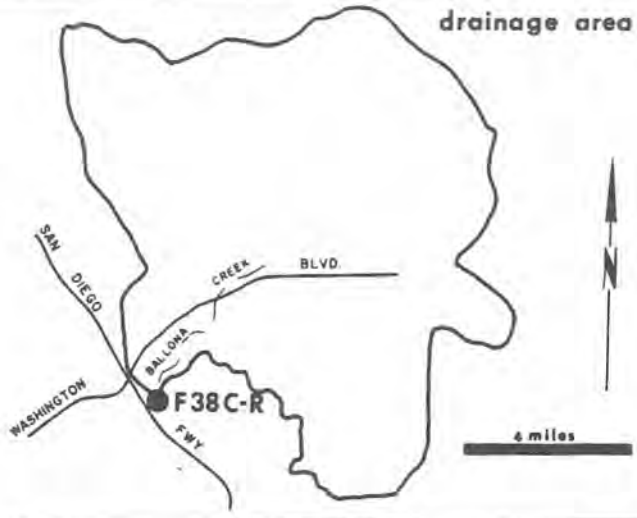
DAILY DISCHARGE IN SECOND-FEET OF COMPTON CREEK near Greenleaf Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.9	0.8	1.9	0.4	1.2	1.6	1.2	1.2	1.6	2.3	4.0	2.9
2	2.3	1.2	2.3	0.4	1.2	1.6	0.9	1.6	2.3	1.6	4.3	2.9
3	1.6	2.3	74	0.6	0.9	1.6	1.2	0.9	1.2	1.6	4.0	2.6
4	4.0	1.6	5.1	0.8	1.2	2.3	1.6	0.9	1.2	1.6	4.0	2.3
5	3.3	1.9	0.9	0.8	13.1	1.9	1.2	1.2	0.9	1.2	2.9	2.9
6	1.6	1.6	1.2	0.8	2.9	1.9	0.9	0.9	1.9	2.6	1.9	3.6
7	1.9	1.6	1.2	0.9	1.2	1.6	0.9	0.9	9.0	3.3	2.9	3.3
8	3.3	1.6	0.6	1.2	1.6	1.6	1.2	0.8	2.6	2.9	4.0	2.9
9	3.3	1.6	0.4	2.3	1.2	1.6	1.6	1.2	1.2	2.3	4.0	1.9
10	2.3	1.9	0.4	1.9	1.2	1.6	1.2	1.6	0.9	2.6	4.0	1.6
11	1.6	8.0	0.9	1.2	1.6	1.9	1.2	1.6	1.6	2.6	4.0	1.6
12	1.9	50	3.2	1.2	1.2	1.6	0.9	1.2	0.9	3.3	32	1.6
13	2.9	1.9	25	1.9	1.2	1.2	0.9	1.2	1.2	2.6	2.6	2.3
14	2.3	0.9	0.8	1.6	1.2	1.6	1.2	1.2	1.6	3.3	1.9	2.3
15	2.6	0.6	0.9	1.6	1.6	1.6	1.2	1.2	1.6	2.6	2.6	1.9
16	19.7	0.6	0.9	1.6	1.6	1.6	0.8	1.6	1.6	1.9	1.9	2.3
17	6.3	0.6	0.9	2.3	1.6	1.2	0.9	1.9	1.6	2.9	2.3	4.0
18	1.2	1.6	1.6	1.9	1.6	1.2	0.8	1.6	1.2	2.6	3.3	1.9
19	1.2	0.6	1.2	1.9	1.6	1.2	29	1.2	1.6	2.3	2.3	1.9
20	2.6	0.9	1.2	1.2	1.9	1.2	1.6	1.2	1.9	1.9	1.6	2.6
21	2.9	0.9	1.6	1.6	1.2	1.6	1.2	1.2	1.6	3.3	1.9	1.9
22	2.9	1.6	172	1.6	1.6	1.6	0.9	1.2	2.6	3.3	3.3	2.6
23	2.9	1.6	2.6	1.2	1.9	1.2	0.9	1.2	1.9	2.9	3.6	2.6
24	7.8	1.6	622	1.2	1.9	1.2	0.9	1.6	1.6	3.3	3.6	2.3
25	3.3	1.6	79	1.6	1.9	1.6	1.2	1.2	1.9	3.3	3.6	1.9
26	3.3	1.6	6.6	1.2	1.2	1.2	0.9	1.2	1.2	3.6	2.6	1.9
27	3.3	1.6	596	1.9	1.6	1.2	1.6	1.2	1.6	3.6	2.3	1.9
28	0.9	1.6	100	2.9	1.9	1.2	1.6	1.2	1.9	5.1	2.9	2.6
29	0.6	1.9	2.6	1.9	1.6	1.2	1.2	1.2	1.9	3.3	3.6	2.9
30	0.4	2.6	1.2	1.9		1.9	0.9	1.6	1.9	2.6	3.6	2.9
31	0.9		0.8	1.2		1.6		1.9		3.3	4.0	
MEAN	3.16	3.28	55.1	1.44	1.92	1.52	2.06	1.28	1.86	2.76	4.05	2.43
ACRE-FEET	194	195	3,390	89	110	93	122	78.9	110	170	249	144

YEAR OR PERIOD MEAN 6.91
ACRE-FEET 5,940

STATION NO. F 38C-R
BALLONA CREEK
above Sawtelle Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 88.6 square miles

LOCATION – 530.0 feet above Sawtelle Boulevard, 1.5 miles southwest of Culver City

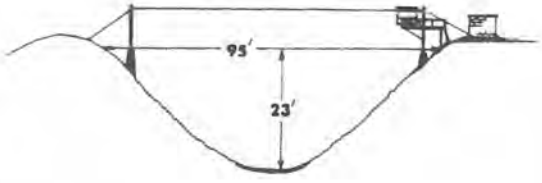
REGULATION – Stone Canyon Reservoir prior to January, 1951. Upper and Lower Franklin Canyon Reservoir, Hollywood Reservoir, and Silverlake Reservoir

CHANNEL – concrete rubble, trapezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F38-R, February 27, 1928, to April 27, 1936
at Station F38B-R, May 14, 1936, to August 10, 1967
at Station F38C-R, August 10, 1967, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F38C-R

DAILY DISCHARGE IN SECOND-FEET OF BALLONA CREEK above Sawtelle Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	19.0	13.0	30	9.4	11.2	415	8.8	13.0	11.2	10.6	14.0	12.4
2	18.0	13.0	30	10.0	11.8	123	11.2	11.2	10.6	10.0	13.0	13.0
3	21	17.0	30	10.0	11.8	13.0	11.8	12.4	11.2	10.6	18.0	25.2
4	17.0	15.0	30	11.2	14.0	1,063	10.6	13.0	11.2	10.0	15.0	12.4
5	17.0	15.0	30	11.2	15.0	72	9.4	11.2	11.2	10.0	12.4	11.8
6	17.0	752	25	11.2	15.0	15.0	12.4	11.8	11.2	13.0	15.0	10.0
7	17.0	96	16.0	10.0	15.0	11.8	13.0	13.0	10.6	11.2	15.0	11.2
8	18.0	15.0	20	10.0	12.4	11.2	13.0	12.4	11.8	11.8	11.8	13.0
9	20	13.0	17.0	222	260	11.8	13.0	11.2	10.6	12.4	12.4	13.0
10	20	19.0	16.0	208	748	11.8	14.0	11.2	10.0	14.0	15.0	15.0
11	19.0	14.0	12.4	81	64	11.8	13.0	13.0	11.2	11.8	14.0	14.0
12	17.0	14.0	12.4	34	16.0	11.8	12.4	13.0	11.2	a 12.4	14.0	13.0
13	20	18.0	10.6	17.0	15.0	11.8	13.0	13.0	56	a 13.0	13.0	13.0
14	17.0	19.0	10.6	73	14.0	10.6	11.8	14.0	7.6	a 14.0	15.0	17.0
15	16.0	15.0	13.0	21	12.4	9.4	11.8	16.0	10.6	a 15.0	14.0	17.0
16	19.0	15.0	12.4	585	13.0	10.6	14.0	15.0	13.0	a 16.0	18.0	15.0
17	16.0	14.0	11.8	14.0	13.0	10.0	14.0	15.0	11.2	17.0	32	15.0
18	13.0	14.0	11.8	11.2	12.4	10.6	13.0	21	10.0	13.0	36	15.0
19	12.4	16.0	11.8	11.8	13.0	10.0	13.0	19.0	9.4	10.6	16.0	12.4
20	16.0	13.0	10.0	12.4	14.0	9.4	14.0	15.0	10.0	11.8	15.0	11.2
21	18.0	13.0	10.0	12.4	11.8	10.0	13.0	11.8	9.4	9.4	16.0	15.0
22	18.0	15.0	11.2	12.4	11.2	8.8	15.0	11.8	13.0	12.4	14.0	15.0
23	20	14.0	11.8	12.4	11.2	10.6	14.0	a 11.8	12.4	13.0	13.0	15.0
24	a 20	19.0	12.4	11.2	11.8	9.4	15.0	a 11.8	13.0	12.4	17.0	14.0
25	a 19.0	19.0	10.0	11.2	11.2	15.0	13.0	a 11.8	15.0	11.8	15.0	14.0
26	a 18.0	30	10.0	15.0	11.2	15.0	10.6	a 11.8	14.0	12.4	15.0	14.0
27	a 18.0	25	8.2	13.0	10.0	15.0	12.4	11.8	11.8	13.0	18.0	14.0
28	a 17.0	25	8.8	13.0	1,380	13.0	13.0	12.4	10.6	11.2	17.0	17.0
29	a 16.0	23	10.0	12.4		11.8	11.8	12.4	11.2	14.0	12.4	26
30	16.0	23	12.4	13.0		125	13.0	10.0	10.0	16.0	9.4	22
31	15.0		11.8	11.8		18.0		9.4		17.0	14.0	
MEAN	17.5	44.2	15.4	48.7	98.5	67.9	12.6	12.9	12.7	12.6	15.8	14.8
ACRE-FEET	1,080	2,630	946	3,000	5,470	4,180	749	795	754	776	970	885

YEAR OR PERIOD MEAN 30.7
ACRE-FEET 22,230

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F38C-R

DAILY DISCHARGE IN SECOND-FEET OF BALLONA CREEK above Sawtelle Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	12.7	11.8	21	13.0	14.0	9.4	14.0	16.0	10.6	10.6	11.8	13.0
2	12.5	14.0	269	181	13.0	10.6	15.0	17.0	11.2	11.8	13.0	14.0
3	12.3	11.8	13.0	11.8	14.0	10.6	15.0	15.0	10.6	10.6	12.4	14.0
4	12.1	10.6	12.4	13.0	15.0	11.8	15.0	13.0	11.2	10.0	13.0	12.4
5	11.9	12.4	10.0	12.4	16.0	13.0	17.0	11.8	10.0	8.8	14.0	11.8
6	11.7	109	9.4	12.4	16.0	12.4	19.0	45.2	9.4	12.4	14.0	13.0
7	11.5	13.0	10.0	12.4	14.0	14.0	16.0	10.0	11.2	10.6	13.0	10.6
8	11.2	11.8	10.6	13.0	16.0	19.0	16.0	10.0	11.8	11.2	12.4	11.8
9	10.9	15.0	238	12.4	29.6	13.0	16.0	11.8	11.8	11.8	15.0	11.8
10	11.0	15.0	11.2	13.0	16.0	19.0	14.0	14.0	11.8	13.0	14.0	11.8
11	11.2	13.0	10.6	15.0	16.0	21	13.0	13.0	16.0	11.2	13.0	11.2
12	12.3	15.0	10.0	314	16.0	22	12.4	11.8	15.0	11.8	11.8	11.3
13	13.4	15.0	22.8	361	14.0	564	12.4	13.0	10.0	11.8	13.0	11.4
14	14.5	14.0	33.4	18.0	13.0	10.6	599	12.4	12.4	11.8	11.2	11.5
15	15.6	11.8	11.8	10.0	13.0	13.0	11.8	13.0	12.4	12.4	10.6	11.6
16	15.2	16.0	440	9.4	339	13.0	11.8	12.4	12.4	15.0	11.8	11.7
17	14.8	17.0	141	8.8	248	14.0	11.8	16.0	13.0	12.4	13.0	11.8
18	14.4	18.0	1,901	10.6	11.8	11.2	11.2	13.0	12.4	13.0	12.4	11.2
19	14.0	18.0	708	11.8	21	14.0	12.4	12.4	11.8	14.0	11.8	10.6
20	13.6	19.0	81.7	11.2	11.8	10.6	11.2	14.0	13.0	14.0	11.8	13.0
21	13.2	17.0	1,542	10.6	9.4	9.4	11.8	17.0	13.0	15.0	11.2	8.2
22	40.6	16.0	27.4	10.0	10.6	14.0	11.8	12.4	13.0	11.2	10.0	9.4
23	25.2	16.0	19.0	10.0	10.6	14.0	11.2	11.8	12.4	11.2	11.2	10.0
24	14.0	19.0	16.0	9.4	10.6	15.0	12.4	13.0	12.4	10.6	10.6	11.8
25	12.4	98.6	15.0	11.2	11.2	11.2	11.8	10.6	13.0	10.6	11.2	10.0
26	14.0	199	13.0	14.0	10.6	12.4	15.0	11.2	11.8	10.6	11.2	10.0
27	14.0	10.0	13.0	11.8	10.0	12.4	19.0	12.4	10.6	11.2	11.2	11.2
28	14.0	1,673	14.0	11.8	9.4	11.2	21	67.9	10.6	11.8	11.2	11.2
29	15.0	3,174	15.0	11.8		12.4	19.0	10.0	10.6	13.0	11.2	11.8
30	14.0	180	15.0	12.4		11.2	20	8.8	10.6	13.0	13.0	12.4
31	11.8		14.0	11.2		12.4		8.8		13.0	13.0	
MEAN	14.4	193	183	38.3	33.9	31.2	33.9	15.4	11.9	11.9	12.2	11.5
ACRE-FEET	883	11,480	11,250	2,360	1,880	1,920	2,020	950	706	733	750	686

YEAR OR PERIOD MEAN 50.8
ACRE-FEET 35,620

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F38C-R

DAILY DISCHARGE IN SECOND-FEET OF BALLONA CREEK above Sawtelle Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	10.6	9.4	16.0	10.6	13.0	13.4	11.8	12.4	11.8	12.4	15.0	13.0
2	10.0	10.0	150	10.6	12.4	15.0	13.0	11.2	11.2	11.8	14.0	11.2
3	10.0	10.0	45	11.2	12.4	16.0	13.0	11.2	10.6	11.8	13.0	11.2
4	11.8	10.6	27	11.2	14.0	13.0	14.0	11.8	10.6	9.4	16.0	11.2
5	12.4	10.6	8.2	10.6	102	12.4	13.0	11.8	12.4	11.2	10.6	13.0
6	12.4	10.0	8.2	10.6	10.6	16.0	12.4	10.0	11.2	10.6	10.0	11.8
7	11.8	10.0	7.6	10.0	10.0	16.0	11.2	8.8	95	11.8	13.0	11.8
8	12.4	17.0	8.2	9.4	11.8	14.0	10.6	11.2	10.6	10.6	12.4	12.4
9	10.6	14.0	9.4	9.4	11.8	15.0	10.0	11.8	10.0	10.0	12.4	11.8
10	10.6	15.0	10.0	9.4	10.6	13.0	13.0	10.6	9.4	10.6	14.0	11.2
11	12.4	63	9.4	8.8	10.6	13.0	13.0	10.0	8.2	11.2	15.0	15.0
12	11.2	208	16.0	8.8	10.0	14.0	12.4	10.6	10.6	11.2	175	14.0
13	10.0	8.2	82	9.4	10.6	14.0	12.4	10.6	11.8	11.2	15.6	12.4
14	10.0	7.6	8.8	8.8	11.8	16.0	12.4	10.0	14.0	11.8	11.8	9.4
15	8.8	10.0	8.8	8.8	11.2	14.0	11.8	10.6	11.8	10.6	12.4	10.6
16	48	14.0	9.4	9.4	11.2	14.0	11.8	11.2	11.8	13.0	13.0	10.0
17	12.8	14.0	9.4	9.4	15.0	14.0	14.0	10.0	11.2	14.0	12.4	9.4
18	9.4	11.8	7.6	8.8	11.8	12.4	11.8	10.0	10.6	13.0	12.4	10.6
19	8.8	10.0	7.6	8.8	12.4	11.2	62	11.8	11.2	12.4	11.2	9.4
20	9.4	8.8	9.4	9.4	12.4	13.0	10.6	10.6	11.8	11.8	10.0	8.8
21	9.4	9.4	10.0	9.4	11.8	15.0	10.6	8.8	11.8	12.4	11.8	10.6
22	8.8	11.2	793	10.0	16.0	14.0	9.4	10.6	13.0	10.0	12.4	10.0
23	8.2	11.2	38	9.4	16.0	13.0	9.4	11.8	11.2	10.0	12.4	8.8
24	78	11.8	2,620	11.2	17.0	10.6	10.6	11.8	10.0	11.8	13.0	8.8
25	9.4	11.2	487	11.8	17.0	11.2	10.0	11.2	10.0	12.4	13.0	11.8
26	9.4	11.8	49	12.4	15.0	8.8	11.2	11.8	10.6	11.2	12.4	11.2
27	8.8	12.4	1,900	13.0	13.0	11.2	10.6	11.2	11.8	12.4	11.2	11.8
28	9.4	12.4	427	11.8	11.8	11.2	10.6	11.2	13.0	12.4	18.0	12.4
29	8.8	17.0	18.0	11.2	11.2	11.8	10.0	10.6	14.0	10.6	25	11.8
30	8.8	16.0	12.4	11.2		11.2	8.8	11.2	14.0	11.8	20	10.6
31	8.8		11.2	12.4		13.0		11.8		13.0	16.0	
MEAN	13.6	19.5	220	10.2	15.7	13.2	13.2	10.9	14.2	11.6	18.8	11.2
ACRE-FEET	835	1,180	13,510	629	901	812	784	671	843	711	1,160	669

YEAR OR PERIOD MEAN 31.3
ACRE-FEET 22,700

STATION DATA SUMMARY

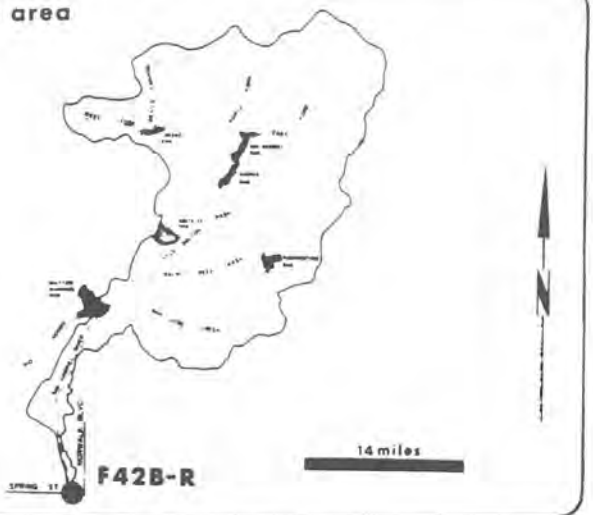
STA. NO. F38C-R
BALLONA CREEK ABOVE SAWTELLE BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	N.D	0	N.D.	3930	5	8	1100
1928-29	1150	0	20.6	14900	3	10	4990
1929-30	1130	0	18.6	13480	1	11	4460
1930-31	1500	0	25.6	18520	4	26	6280
1931-32	1760	0	30.0	21790	12	28	6130
1932-33	1660	0	21.8	15810	1	19	7000
1933-34	4310	0	28.5	20630	1	1	11300
1934-35	2190	0	34.4	24870	4	8	11200
1935-36B	929	0	19.3	13500	2	12	8070
1936-37	2160	0	56.2	40680	12	30	8940
1937-38	7330	3.6	72.5	52500	3	2	19000
1938-39	3080	1.8	39.4	28490	12	17	9900
1939-40	1270	1.3	29.1	21110	2	3	9730
1940-41	2680	3.1	93.0	67360	12	23	17300
1941-42	990	2.8	23.8	17250	12	10	7500
1942-43	4840	2.6	47.3	34240	1	22	13200
1943-44	3010	3.4	45.4	33000	2	22	8800
1944-45	1200	3.0	33.8	24450	11	11	9380
1945-46	1830	3.8	25.4	18380	12	22	7750
1946-47	1960	2.8	36.3	26300	12	25	9630
1947-48	1000	3.5	18.8	13630	3	24	12700
1948-49	668	2.8	22.2	16090	2	7	5740
1949-50	1620	1.4	32.1	23250	2	6	7670
1950-51	756	0.7	26.1	18860	1	10	5460
1951-52	2520	3.5	73.5	53350	1	16	12800
1952-53	1140	4.8	27.5	19910	11	15	11500
1953-54	3570	5.4	39.3	28480	2	13	18900
1954-55	1210	5.4	29.8	21600	1	18	9370
1955-56	6510	5.2	44.7	34590	1	26	18700
1956-57	1790	6.3	30.7	22240	2	23	13900
1957-58	3000	6.3	59.4	43040	2	19	15200
1958-59	1210	4.2	19.0	13730	1	6	8170
1959-60	1290	2.2	23.7	17190	1	11	12500
1960-61	945	4.2	17.3	12560	11	5	7700
1961-62	3490	3.2	69.2	50090	2	19	12900
1962-63	1940	3.2	29.6	21450	3	16	12100
1963-64	789	3.9	24.8	18000	1	22	6420
1964-65	1590	3.9	38.0	27540	4	9	17600
1965-66	3620	5.3	61.5	44540	11	22	18000
1966-67C	3020	6.7	62.1	45300	11	7	13900
1967-68	6350	8.2	55.9	40570	11	21	32500
1968-69	4840	8.2	101	73060	1	25	17000
1969-70	1380	7.6	30.7	22230	2	28	1380
1970-71	3170	6.8	50.8	17950	11	29	14600
1971-72	1900	7.6	31.3	22680	12	24	11100

B = RECORD BEGAN AT B LOCATION 05-14-36.
C = RECORD BEGAN AT C LOCATION 08-10-67.
N.D. = NOT DETERMINED

STATION NO. F 42B-R
SAN GABRIEL RIVER
above Spring Street

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 231.0 square miles (excludes area above Santa Fe Dam)

LOCATION - 455.0 feet north of Spring Street, 4.0 miles east of Signal Hill, Long Beach

REGULATION - partially regulated by Cogswell, San Gabriel, Morris, Santa Fe, Big Dalton, San Dimas, Puddingstone Diversion, Puddingstone, Live Oak, Thompson Creek, and Whittier Narrows Dams, several debris basins, MWD outlet, and several spreading grounds.

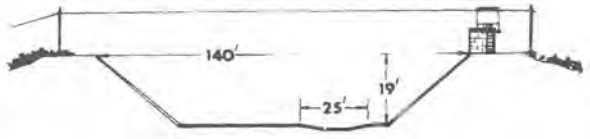
CHANNEL - concrete, trapezoidal section with a low-flow channel.

CONTROL - channel forms control

LENGTH OF RECORD -
at Station F42-R, February 6, 1928, to May 26, 1964
at Station F42B-R, November 16, 1964, to date

REMARKS - high flows into Whittier Narrows Reservoir are partially diverted to the Rio Hondo

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F42B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 [illegible]

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.1	0.1	0.1	0.1	0.1	1,760	0.1	0.1	7.7	15.2	15.9	11.9
2	+	0.2	0.1	-	0.1	699	+	0.1	10.3	15.2	18.5	11.9
3	+	0.3	0.1	+	0.1	3.7	0.1	0.1	9.3	13.2	19.3	14.5
4	0.1	1.2	0.1	+	0.1	111	+	0.1	10.8	11.9	20	10.3
5	0.1	0.2	0.1	+	0.1	1,110	+	0.1	0.5	11.3	21	13.2
6	+	254	0.1	+	0.1	20	+	0.1	6.2	11.9	22	12.6
7	+	779	+	+	0.1	3.7	+	0.1	9.8	14.5	22	12.6
8	+	0.5	0.1	+	0.1	0.1	0.1	0.1	9.3	15.2	22	7.7
9	0.1	+	1.4	11.2	18.5	0.1	+	0.3	8.8	16.5	22	13.9
10	0.1	0.5	+	54	593	+	+	0.3	10.3	15.2	20	13.9
11	+	+	+	12.3	673	+	+	0.2	9.3	11.9	17.8	11.9
12	0.1	+	+	20	1.6	+	0.1	0.1	9.3	13.2	17.8	10.3
13	0.2	+	+	7.4	0.1	+	0.1	0.2	10.8	13.2	15.6	10.3
14	0.2	+	+	19.5	0.1	+	+	0.2	9.8	11.3	11.3	10.3
15	0.2	+	0.1	4.5	0.1	0.1	0.1	0.1	9.3	13.2	11.3	10.3
16	1.4	+	0.2	262	0.1	0.1	0.1	0.2	11.9	15.8	11.3	9.3
17	1.2	+	0.1	88	0.3	+	0.2	0.2	14.5	13.9	3.4	10.8
18	0.3	+	0.2	1.2	0.3	+	0.1	0.2	17.1	13.9	+	12.6
19	1.4	+	0.1	0.1	0.1	+	0.2	0.3	23	15.8	5.1	15.2
20	0.2	0.1	0.1	0.3	0.1	+	0.1	0.2	17.8	13.2	+	12.6
21	0.1	+	0.1	0.3	0.1	+	0.2	7.7	15.8	11.3	+	13.9
22	0.1	+	+	0.1	+	0.1	0.3	16.5	19.3	13.2	1.8	15.2
23	0.1	+	+	0.1	+	0.1	0.1	15.2	19.3	14.5	5.9	17.8
24	0.2	+	0.1	0.1	+	0.1	+	15.8	15.8	13.9	6.7	15.8
25	0.2	0.1	0.1	0.1	+	+	0.1	15.8	15.5	14.5	7.4	15.2
26	0.3	+	0.1	1.2	+	+	0.1	15.8	17.1	15.2	9.8	10.3
27	0.1	+	0.1	2.9	+	0.1	+	15.8	16.5	15.8	10.8	11.9
28	0.1	+	+	0.3	560	0.1	+	15.2	17.8	14.5	15.6	14.5
29	0.1	+	+	0.1		0.1	0.2	10.8	17.1	16.5	13.2	13.2
30	0.1	0.1	+	+		0.1	0.1	10.3	17.8	15.8	9.3	10.8
31	0.1		0.1	0.1		0.1		8.8		15.2	10.6	

MEAN	0.23	34.5	0.11	15.7	66.0	120	0.08	4.87	13.9	14.1	12.4	12.5
ACRE-FEET	14	2,060	6.9	964	3,670	7,360	4.8	300	769	864	761	743

YEAR OR PERIOD MEAN 24.2
ACRE-FEET 17,520

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F42B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	9.8	11.9	13.2	11.3	11.9	11.3	10.3	11.9	+	0.1	1.2	0.1
2	13.9	11.9	60	46	12.6	11.9	9.8	13.2	0.1	0.1	1.2	0.5
3	12.6	11.3	29	9.8	11.3	11.9	10.3	13.2	0.1	0.1	1.4	0.5
4	12.6	10.8	8.2	10.3	9.3	13.2	10.3	8.8	+	0.2	1.2	1.4
5	11.9	13.9	11.9	9.8	10.3	13.9	11.3	0.1	0.2	0.1	1.6	1.4
6	12.6	12.6	7.2	11.3	10.3	15.8	12.6	+	0.1	0.1	0.2	0.5
7	15.2	10.8	8.2	13.9	9.8	14.5	10.8	5.0	0.2	0.1	0.1	0.2
8	13.2	12.6	8.2	9.8	9.3	15.2	11.3	22	0.1	0.1	0.3	0.3
9	11.9	10.8	38	10.3	7.7	17.1	12.6	13.2	0.1	0.3	a 0.4	1.6
10	12.6	11.9	13.2	9.8	6.2	13.9	12.6	13.9	0.3	0.5	a 0.5	1.4
11	13.2	12.6	13.2	10.8	5.9	13.9	11.3	5.3	0.3	0.2	a 0.6	1.4
12	10.8	11.9	13.9	15.8	6.7	13.2	17.8	0.1	0.1	0.3	a 0.7	1.2
13	13.2	10.3	13.2	25	6.2	145	11.9	0.1	0.1	0.3	a 0.8	1.4
14	13.2	12.6	17.1	13.9	7.7	15.8	73	0.1	0.1	0.5	a 0.9	1.4
15	12.6	12.6	16.5	13.9	9.8	10.8	11.9	0.1	0.1	0.3	a 1.0	1.6
16	12.6	12.6	23	7.7	51	10.8	12.6	+	0.3	1.2	a 1.1	1.4
17	10.8	12.6	30	+	553	10.8	14.5	0.1	0.3	0.5	1.2	1.4
18	13.2	13.9	104	2.5	14.5	11.3	11.9	0.3	0.3	1.2	1.6	1.4
19	13.2	11.9	1,330	2.3	12.6	11.3	12.6	0.1	0.3	1.2	2.2	1.4
20	12.6	12.6	49	+	12.6	11.3	9.3	1.4	0.2	1.2	1.8	1.4
21	10.3	12.6	1,600	2.5	7.7	11.9	12.6	2.3	0.2	0.2	1.6	1.2
22	12.6	11.9	96	15.2	7.2	11.9	12.6	2.0	0.1	0.5	1.6	1.2
23	13.2	11.3	2.5	15.2	8.2	11.9	12.6	2.0	0.2	1.4	1.6	5.0
24	12.6	10.8	4.6	15.2	10.3	11.9	11.3	1.8	0.2	0.5	1.8	14.5
25	12.6	11.9	9.8	14.5	10.8	11.9	11.3	1.8	0.1	0.5	1.8	17.8
26	11.9	44	10.8	11.9	10.3	11.3	11.3	1.8	0.1	0.5	1.6	17.8
27	12.6	11.3	11.3	15.8	10.3	12.6	11.3	1.8	0.1	0.2	2.0	16.5
28	12.6	193	10.8	15.2	9.8	11.3	11.3	3.7	0.2	0.2	1.2	15.2
29	13.9	2,700	10.3	11.3		11.9	11.9	0.2	0.2	0.3	0.1	8.2
30	11.9	202	10.3	8.8		11.3	11.9	+	0.1	0.5	0.1	15.2
31	10.3		10.8	9.8		11.9		+		1.4	0.1	
MEAN	12.4	115	116	11.9	30.5	16.5	13.9	4.07	0.16	0.46	1.08	4.48
ACRE-FEET	766	6,840	7,110	733	1,690	1,020	826	250	9.5	29	66	267

YEAR OR PERIOD MEAN 27.1
ACRE-FEET 19,610

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F42B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	13.2	18.5	11.3	52	13.9	49	53	59	55	58	60	62
2	13.2	18.5	12.6	58	14.5	48	48	59	55	51	58	59
3	13.2	19.3	15.8	56	13.2	51	51	58	55	58	62	58
4	14.5	19.3	16.5	49	14.5	50	54	53	55	54	59	57
5	13.9	18.5	9.8	44	19.3	49	55	57	55	55	56	56
6	13.9	18.5	9.3	30	17.8	54	54	51	55	63	54	65
7	14.5	19.3	12.6	11.3	13.9	54	55	48	67	59	56	65
8	14.5	20	9.3	11.9	13.9	55	52	57	62	58	58	60
9	13.9	20	2.7	11.9	13.9	52	49	57	62	50	60	58
10	15.8	20	9.3	12.6	15.2	56	53	52	60	55	62	57
11	15.8	22	9.3	12.6	26	54	53	52	54	57	59	60
12	15.2	32	12.6	12.6	52	52	54	52	56	60	85	58
13	15.2	17.1	23	12.6	49	58	55	49	54	60	58	60
14	14.5	13.9	15.2	14.5	55	60	55	49	58	59	57	60
15	13.2	17.8	11.9	13.9	54	58	54	56	57	56	60	58
16	17.1	17.1	15.2	13.2	54	57	49	57	55	49	56	62
17	20	14.5	11.9	14.5	55	58	53	56	53	51	57	58
18	24	9.1	11.3	14.5	56	56	53	55	43	56	58	68
19	15.8	6.1	13.9	13.9	53	52	81	a 55	50	56	58	64
20	15.2	13.2	13.2	14.5	47	58	55	a 55	55	59	43	63
21	14.5	14.5	13.2	13.9	48	57	50	a 55	54	62	53	58
22	15.8	13.2	445		51	55	49	a 55	54	58	55	58
23	16.5	13.2	46	13.9	49	55	48	a 55	55	54	58	55
24	39	12.6	1,984	12.6	50	57	52	a 55	56	56	58	48
25	69	9.8	295	13.9	49	60	56	a 55	55	57	59	56
26	18.5	13.9	233	13.2	50	53	57	a 55	58	57	58	56
27	20	13.2	f 1,400	12.6	49	56	57	a 55	62	59	53	57
28	18.5	12.6	a 442	13.9	53	55	65	a 55	59	60	60	56
29	17.8	11.9	f 84	13.9	52	55	52	a 55	62	58	62	56
30	18.5	9.8	52	12.6		56	57	a 55	60	53	62	55
31	19.3		53	11.9		56		a 55		56	62	
MEAN	18.5	15.7	171	20.0	38.0	55.0	54.0	55.0	57.0	57.0	59.0	59.0
ACRE-FEET	1,140	933	10,500	1,230	2,190	3,360	3,240	3,360	3,350	3,480	3,600	3,520

YEAR OR PERIOD MEAN 55.2
ACRE-FEET 39,900

STATION DATA SUMMARY

STA. NO. F42B-R
SAN GABRIEL RIVER ABOVE SPRING STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	0	0	0	0			
1928-29	0	0	0	0			
1929-30	0	0	0	0			
1930-31	0	0	0	0			
1931-32	1270	0	9.0	6560	2	9	4490
1932-33	170	0	1.1	809	1	20	2250
1933-34	4860	0	17.1	12370	1	1	15000
1934-35	463	0	3.3	2380	10	17	3390
1935-36	220	0	1.6	1190	2	12	1910
1936-37	1850	0	18.7	13510	2	14	4560
1937-38	14500	0	122	88020	3	2	27000E
1938-39	265	0	1.5	1080	12	19	956
1939-40	192E	0	2.0	1460	2	3	1400
1940-41	1710	0	91.0	65890	3	13	4830
1941-42	148	0	15.0	10830	12	11	277
1942-43	9570	0	280	175100	1	23	14600
1943-44	5570	0	99.4	72200	2	22	15000
1944-45	742	0	30.8	22280	2	2	1910
1945-46	1460	0	17.4	12590	12	23	3300
1946-47	2520	0	33.3	24100	1	1	2740
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	STATION OUT			21100E			
1952-53	101	0	0.3	220	12	2	301
1953-54	445	0	2.9	2060	2	13	3520
1954-55	240	0	1.1	820	1	18	1640
1955-56	4300	0	12.9	9390	1	26	12500
1956-57	393	0	1.2	896	1	13	1760
1957-58	1510	0	31.6	22890	4	7	5220
1958-59	515	0	3.2	2340	1	6	2940
1959-60	355	0	2.6	1860	1	12	2180
1960-61	204	0	0.6	448	1	26	1780
1961-62	2940	0	32.0	23070	2	11	7350
1962-63	1530	0	7.3	5290	3	17	4120
1963-64	751	0	4.4	3160	1	22	2570
1964-65B	1070	0	12.1	8770	4	9	4540
1965-66	630	0	10.2	7400	2	6	1950
1966-67	1190	0	37.1	26850	1	23	4760
1967-68	847	+	9.2	6720	11	21	3280
1968-69	9350	+	286	207300	1	25	11700
1969-70	1760	+	24.2	17520	3	5	5550
1970-71	2700	+	27.1	19610	12	19	5550
1971-72	1980	0.1	82.2	40040	12	24	8580

B = RECORD BEGAN AT B LOCATION 11-16-64.
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 45B-R
RIO HONDO
above Stewart and Gray Road

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 140 square miles (excludes area above Santa Fe Dam)

LOCATION – 0.6 mile upstream of the confluence of Rio Hondo and Los Angeles River, 1.5 miles west of Downey

REGULATION – partially regulated by Sierra Madre, Santa Anita, Sawpit, Eaton, Santa Fe, and Whittier Narrows Dams, several debris basins, and spreading grounds

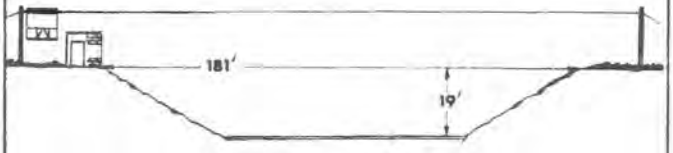
CHANNEL – concrete, with rip-rap side slopes, trapezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F45-R, March 1, 1928, to April 18, 1951
at Station F45B-R, October 31, 1951 to date

REMARKS – subject to diversions from Eaton Creek, Monrovia Creek, Sawpit Creek, Little Santa Anita Canyon and other locations for irrigation and spreading. High flows from San Gabriel River may flow into Rio Hondo above Whittier Narrows Dam.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F45B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Stewart and Gray Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	+	0.1	0.8	0.4	0.1	664	1.2	f 1.0	0.4	0.4	0.8	0.8
2	+	0.1	0.8	0.1	0.1	240	0.6	0.6	0.3	0.6	0.8	0.8
3	0.3	+	0.8	+	0.1	5.7	1.0	f +	0.8	0.6	1.2	1.0
4	0.8	0.3	1.2	+	0.1	494	0.8	+	0.3	0.3	1.2	0.8
5	0.4	0.1	0.8	0.1	0.1	212	0.6	0.8	0.4	+	1.2	0.8
6	0.3	180	0.4	+	0.3	2.0	0.8	0.8	+	f +	0.8	0.6
7	0.1	35	0.1	+	0.3	1.4	0.6	0.8	+	f 0.1	0.8	0.4
8	+	1.4	0.4	0.3	0.3	1.4	0.8	1.0	+	f 0.1	0.6	0.8
9	+	1.4	0.8	28	28	1.4	0.6	0.8	+	f 0.1	0.3	0.4
10	0.1	1.8	0.3	34	377	1.0	0.8	0.8	+	0.3	0.3	0.4
11	+	1.4	0.6	8.7	7.0	1.2	0.8	0.8	0.4	0.3	0.6	0.6
12	+	1.4	0.3	2.0	2.6	1.2	0.8	1.0	0.4	0.1	+	0.6
13	+	1.4	0.1	0.8	1.0	1.7	0.4	0.8	0.3	0.1	0.1	0.6
14	+	1.4	0.4	23	0.6	1.0	0.4	0.6	0.4	0.3	0.1	0.6
15	0.1	1.4	0.4	5.7	0.6	1.0	0.8	0.4	0.3	0.1	+	0.6
16	0.4	1.4	0.6	124	0.4	1.2	0.6	0.8	0.1	0.8	+	0.1
17	+	1.4	0.6	1.8	0.4	1.0	0.4	0.4	0.3	0.4	+	0.1
18	0.4	1.4	0.6	1.0	0.4	1.2	b 0.6	0.1	0.4	+	+	0.1
19	0.4	1.2	0.6	1.2	0.4	0.6	b 0.8	0.1	0.4	+	+	+
20	0.6	1.0	0.6	1.2	+	0.4	b 1.0	+	0.4	+	0.4	+
21	0.4	0.8	0.6	1.0	0.6	0.6	0.6	0.6	0.4	+	0.6	+
22	0.6	1.0	0.8	1.2	0.6	0.6	0.1	0.8	0.3	0.1	0.6	+
23	0.4	0.8	0.4	0.8	0.6	0.8	0.1	0.8	0.4	0.8	0.4	+
24	0.6	0.8	0.8	0.6	0.8	0.8	f +	0.6	0.4	0.8	0.4	+
25	0.4	0.8	0.6	0.1	0.8	f 0.8	f 0.3	0.8	0.1	0.8	0.8	+
26	0.8	1.0	0.3	0.4	0.8	e 0.8	0.6	0.6	0.4	0.8	0.8	+
27	0.4	0.8	0.1	0.4	0.8	f 0.6	0.1	0.6	0.6	0.8	1.4	+
28	0.4	0.8	+	0.4	964	0.6	0.1	0.4	0.4	0.8	1.6	+
29	0.4	0.8	+	+		0.4	+	0.1	0.1	2.0	0.4	0.3
30	+	0.6	+	+		24	0.4	0.1	0.4	0.8	1.2	+
31	+		0.1	0.1		1.4		0.3		0.8	1.4	
MEAN	0.26	8.06	0.50	7.68	49.6	53.7	0.56	0.56	0.30	0.42	0.61	0.35
ACRE-FEET	16	480	30	472	2,750	3,300	33	34	18	26	37	21

YEAR OR PERIOD MEAN 9.98
ACRE-FEET 7,220

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F45B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Stewart and Gray Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 II

	October	November	December	January	February	March	April	May	June	July	August	September
1	+	0.8	1.4	0.8	0.8	0.1	0.4	0.4	0.3	1.0	0.3	0.4
2	+	0.8	61	20	0.8	+	0.6	0.4	0.6	0.8	0.4	0.8
3	0.1	1.0	0.6	0.1	0.8	+	0.4	0.3	0.4	0.6	0.4	1.0
4	0.8	0.8	0.3	+	0.6	0.3	0.1	0.6	+	0.6	0.6	0.8
5	0.8	1.0	0.3	+	0.6	0.4	0.1	0.8	+	0.6	0.6	0.8
6	1.4	6.5	0.3	+	0.6	0.3	0.4	4.9	+	0.8	0.6	0.8
7	1.2	0.6	0.3	+	0.6	0.3	0.4	1.0	+	0.8	0.4	0.6
8	1.0	0.6	0.3	+	0.6	0.1	0.3	0.6	+	0.6	0.6	0.8
9	0.8	0.6	35	+	0.6	0.1	0.1	0.6	+	0.6	0.8	0.8
10	0.8	0.6	0.6	+	0.6	0.1	0.1	0.4	0.6	0.4	0.6	1.2
11	0.8	0.6	+	+	0.6	0.1	0.1	0.6	0.6	0.4	0.8	1.0
12	1.2	0.6	+	27	0.3	0.1	0.3	0.6	0.6	0.4	1.0	0.6
13	1.0	0.8	+	5.7	0.1	84	0.1	0.6	0.3	0.6	1.0	0.8
14	1.4	0.5	+	0.8	0.3	0.6	55	0.6	0.1	0.4	1.0	1.0
15	1.0	0.5	0.2	0.4	0.3	0.4	0.4	0.6	0.6	0.4	0.8	0.8
16	1.4	0.6	63	0.3	69	0.4	0.4	0.6	0.8	0.8	1.0	0.8
17	1.2	0.5	17.8	0.4	229	0.6	1.2	0.3	0.8	0.6	1.0	0.8
18	1.2	0.6	212	0.4	1.0	0.6	0.1	0.1	0.8	0.4	0.8	1.0
19	1.2	0.6	343	0.4	1.2	0.8	0.1	0.3	0.8	0.6	0.4	1.0
20	1.2	1.0	17.3	0.4	+	0.8	0.3	0.4	0.8	0.6	0.4	0.8
21	1.4	1.2	525	0.6	+	0.8	0.6	0.4	0.8	0.8	0.3	1.2
22	1.2	1.0	4.5	0.4	0.1	0.8	0.1	0.6	0.8	0.6	0.1	0.8
23	1.2	1.2	2.0	0.4	0.1	1.6	0.6	0.6	0.6	0.6	0.1	0.8
24	1.2	1.0	1.2	0.6	+	1.2	0.6	0.4	0.6	0.6	0.3	0.6
25	0.8	11.4	0.8	0.4	+	0.8	0.4	0.6	0.6	0.6	0.1	0.6
26	0.8	43.4	0.6	0.4	+	0.6	0.6	0.6	0.6	0.4	0.1	0.6
27	0.6	0.6	0.6	0.4	+	0.6	0.4	0.6	0.4	0.4	0.1	2.2
28	0.6	304	0.8	0.4	+	0.3	0.6	12.0	0.4	0.6	0.1	1.6
29	0.6	2,430	0.6	0.4		0.3	0.4	0.4	0.6	0.3	0.1	1.2
30	0.6	24	0.8	0.8		0.4	0.3	0.3	0.8	0.4	0.1	0.5
31	0.5		0.8	0.8		0.3		0.1		0.3	0.1	
MEAN	0.90	94.6	41.6	2.01	11.0	3.15	2.18	1.01	0.48	0.57	0.48	0.89
ACRE-FEET	56	5,630	2,560	124	612	194	130	62.0	29	35	30	53

YEAR OR PERIOD MEAN 13.1
ACRE-FEET 9,520

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO

DAILY DISCHARGE IN SECOND-FEET OF FOR THE WATER YEAR ENDING SEPTEMBER 30, 19

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.4	0.4	0.3	2.0	2.0	5.1	1.0	1.8	0.6	0.1	0.3	1.0
2	0.4	0.6	4.6	2.0	2.0	5.1	1.0	2.0	0.5	0.1	0.2	1.0
3	0.4	1.0	7.1	2.0	2.0	5.7	0.8	2.0	0.7	0.1	0.3	5.4
4	0.3	1.0	5.2	1.8	2.0	5.1	0.8	2.0	0.6	0.1	0.2	1.1
5	0.4	1.2	0.3	1.0	2.6	5.7	0.8	2.0	0.6	0.1	0.5	1.7
6	0.4	1.2	0.3	1.8	5.1	4.5	0.6	2.0	1.0	0.1	0.4	2.5
7	0.6	1.4	0.3	2.0	1.8	1.6	0.6	2.0	2.4	0.1	0.5	1.1
8	0.4	1.2	+	2.6	2.0	1.4	0.6	1.6	1.0	0.1	0.9	0.9
9	0.4	1.2	0.1	2.0	1.8	1.4	0.6	2.0	0.5	0.1	0.8	1.1
10	0.3	1.0	+	2.6	1.8	1.4	1.0	2.0	0.2	0.1	0.6	1.1
11	0.3	1.4	0.1	2.0	1.9	1.4	1.0	1.7	0.3	0.1	0.4	1.0
12	0.6	21	0.1	2.6	2.0	1.4	0.6	1.8	0.3	0.1	51	0.8
13	0.8	0.4	7.2	3.2	1.8	1.4	0.6	1.8	0.4	0.1	1.0	0.5
14	0.6	0.4	0.1	2.6	1.8	1.4	0.6	1.4	0.3	0.1	0.6	0.8
15	0.3	0.1	0.1	3.2	1.6	1.4	0.8	1.4	0.4	0.1	0.6	0.9
16	0.4	+	0.1	3.2	1.8	1.2	0.6	1.1	0.3	0.1	0.8	1.7
17	1.0	0.1	0.1	4.5	2.0	1.4	0.8	1.2	0.3	0.1	0.6	1.3
18	0.3	0.3	0.3	3.9	1.8	1.4	1.2	0.9	0.2	0.1	0.8	0.9
19	0.4	0.1	0.4	3.9	1.8	1.2	5.1	0.6	0.2	0.1	0.6	1.8
20	0.4	0.3	0.4	3.2	2.0	1.4	0.4	0.5	0.2	0.4	0.6	1.4
21	0.4	0.3	0.4	3.9	2.0	1.4	0.6	0.6	0.4	0.6	0.6	0.4
22	0.4	0.4	96	3.9	2.0	1.4	0.6	0.3	1.0	0.5	0.6	0.5
23	0.8	0.6	1.5	3.2	2.0	1.4	0.8	0.3	0.4	0.6	0.8	0.4
24	1.2	0.4	1,220	3.2	2.0	1.2	0.6	0.5	0.3	0.6	1.0	0.4
25	1.0	0.4	46	3.2	2.0	1.6	0.6	0.4	0.3	0.4	0.6	0.3
26	0.8	0.6	11	2.6	2.6	1.4	0.6	0.6	0.4	0.3	0.8	0.3
27	1.0	0.6	334	2.6	1.6	1.0	0.6	0.4	0.4	0.3	0.8	0.2
28	0.6	0.6	36	2.6	1.8	1.0	0.6	0.3	0.5	0.3	0.6	0.2
29	0.1	0.8	4.5	2.0	3.9	1.2	0.8	0.3	0.6	0.3	1.0	0.2
30	0.1	0.4	3.2	2.6		1.0	1.8	0.3	0.5	0.4	1.0	0.1
31	0.3		2.6	2.0		2.0		0.8		0.4	1.2	
MEAN	0.51	1.31	57.5	2.71	2.12	2.10	1.78	1.18	0.53	0.23	1.88	1.01
ACRE-FEET	31	78	3,540	166	122	129	106	73	32	14	116	60

YEAR OR PERIOD MEAN 6.08
ACRE-FEET 4,480

STATION DATA SUMMARY

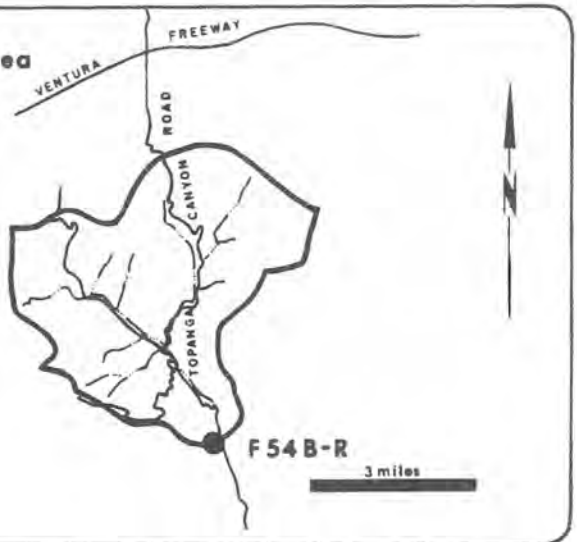
STA. NO. F45B-R
RIO HONDO ABOVE STEWART AND GRAY ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1927-28	*	0	*	269*	3	6	4.0*
1928-29	248	0	3.4	2460	4	4	912
1929-30	285	0	2.8	2000	3	15	743
1930-31	335	0	2.6	1900	2	4	841
1931-32	3440	0	27.4	19920	2	9	4610
1932-33	971	0	6.2	4450	1	19	2730
1933-34	5810	0	23.5	17030	1	1	16000
1934-35	667	0	8.3	6000	4	8	3450
1935-36	472	0	5.8	4220	2	12	3160
1936-37	1460	0	37.1	26870	2	14	4800
1937-38	12700	0	238	172100	3	3	24400E
1938-39	910	0	13.2	9540	12	18	5260
1939-40	442	0	6.7	4850	1	8	1930
1940-41	3690	0	129	93260	3	4	6420
1941-42	564	0	9.3	6730	12	10	4240
1942-43	4550	0	57.9	41910	1	23	11800
1943-44	2570E	0	36.9	26820	2	22	6670
1944-45	492	0	11.7	8460	11	11	4500
1945-46	1130	0	15.6	11280	12	22	4270
1946-47	923	0	22.1	16030	11	13	5950
1947-48	425	0	4.8	3510	3	24	2880
1948-49	268	0	2.1	1490	1	20	713
1949-50	402	0	3.9	2840	1	8	1790
1950-51	135	0	1.1	781	1	29	1080
1951-52B	2430	0	35.9	26040	1	16	9040
1952-53	571	0	4.8	3450	11	15	4600
1953-54	1780	0	14.9	10760	2	13	8860
1954-55	753	0	11.1	8000	1	18	4160
1955-56	4910	0	20.0	14540	1	26	11600
1956-57	967	0	6.4	4640	2	23	6560
1957-58	2230	0	41.8	30260	2	19	10800
1958-59	915	0	5.4	3900	1	6	11000
1959-60	219	0	3.3	2370	1	12	3030
1960-61	115	0	1.2	831	11	26	2090
1961-62	2080	0	31.4	22780	2	19	7100
1962-63	620	0	4.5	3280	2	9	4240
1963-64	190	0	2.4	1730	1	22	2060
1964-65	1130	0	7.3	5310	4	9	8780
1965-66	4810	+	95.6	69390	12	29	19000
1966-67	5210	+	26.6	21530	1	24	20100
1967-68	4300	+	25.3	18360	3	8	17900
1968-69	23100	+	424	307100	1	25	46900
1969-70	964	+	10.0	7220	2	28	7540
1970-71	2430	+	13.1	9520	11	29	9350
1971-72	2420	+	6.0	4409	12	24	11400

B = RECORD BEGAN AT B LOCATION 11-20-51.
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 54B-R
TOPANGA CREEK
above Mouth of Canyon

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 18.0 square miles

LOCATION – downstream side of Topanga Canyon Road bridge, 2.0 miles north of Topanga Beach

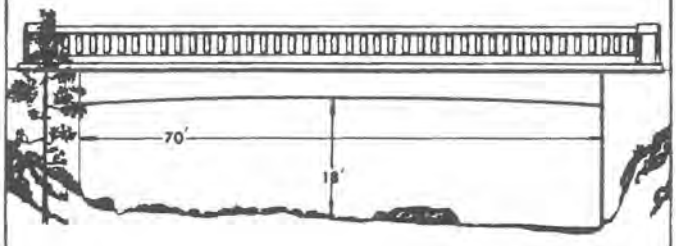
REGULATION – none

CHANNEL – rock and gravel, natural section

CONTROL – none

LENGTH OF RECORD –
at Station F54-R, January 1, 1930, to June 4, 1940
at Station F54B-R, June 5, 1940, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F54B-R

DAILY DISCHARGE IN SECOND-FEET OF TOPANGA CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.4	0.2	0.4	1.0	0.6	37	0.6	0.4	0.6	0.2	0	0.2
2	0.4	0.2	0.6	1.0	0.6	12.8	0.4	0.4	0.6	0	0	0.2
3	0.4	0.2	0.6	1.0	0.6	3.6	0.4	0.4	0.4	0	0	0.4
4	0.4	0.2	0.6	0.8	0.4	84	0.4	0.4	0.4	0	0	0.4
5	0.2	0.2	0.8	0.6	0.5	34	0.4	0.4	0.4	0.2	0	0.2
6	0.2	6.3	0.8	0.6	0.6	8.4	0.6	0.4	0.4	0.2	0.2	0.2
7	0.2	6.9	0.8	0.6	0.6	3.2	0.6	0.2	0.2	0.2	0.2	0.2
8	0.2	0.6	0.8	0.6	0.6	2.8	0.6	0.2	0.2	0.2	0.2	0.2
9	0.4	0.6	0.8	2.0	8.3	2.4	0.8	0.4	0.2	0.2	0	0.2
10	0.4	0.8	0.8	6.5	23	2.4	0.6	0.4	0.2	0.2	0.2	0.2
11	0.4	0.8	0.8	1.4	5.1	2.0	0.6	0.4	0.2	0.2	0.4	0.2
12	0.4	0.8	0.8	1.6	1.8	1.8	0.6	0.4	0.2	0.4	0	0.2
13	0.2	0.8	0.8	0.6	1.4	1.6	0.6	0.4	0.2	0.2	0	0.4
14	0.2	0.8	0.8	0.4	1.4	1.4	0.4	0.4	0.4	0	0	0.2
15	0.4	1.0	0.6	0.4	1.2	1.2	0.6	0.4	0.4	0	0	0.2
16	0.4	1.0	0.6	4.8	1.2	1.0	0.6	0.2	0.4	0	0	0.2
17	0.4	1.0	0.6	2.0	1.2	2.3	0.6	0.2	0.4	0.2	0	0.2
18	0.4	0.6	0.6	1.2	1.0	1.0	0.6	0	0.4	0	0	0
19	0.6	0.6	0.8	1.0	0.8	0.6	0.8	0	0.2	0	0	0
20	0.6	0.6	0.8	1.2	0.8	0.6	0.8	0.2	0.2	0	0.2	0
21	0.4	0.8	0.8	1.2	0.8	0.6	0.6	0	0.4	0.2	0.2	0.2
22	0.4	1.0	0.8	1.0	0.8	0.8	0.6	0	0.4	0.2	0	0.2
23	0.4	1.0	0.6	1.0	0.8	0.8	0.4	0	0.2	0.2	0.2	0
24	0.4	0.6	0.6	1.2	0.8	0.8	0.4	0.2	0.2	0.2	0.2	0.2
25	0.6	0.6	0.6	1.0	0.8	1.0	0.6	0.4	0	0.2	0.2	0.2
26	0.6	0.6	0.6	1.2	0.8	1.2	0.6	0.4	0	0.2	0.2	0
27	0.4	0.4	0.6	1.2	0.8	1.2	0.6	0.4	0	0.2	0.2	0
28	0.6	0.4	0.6	1.0	30	1.0	0.6	0.4	0	0.2	0.2	0
29	0.6	0.2	0.8	0.8		1.0	0.6	0.4	0.2	0.2	0.2	0.2
30	0.6	0.4	0.8	0.8		1.0	0.6	0.4	0.2	0.2	0.2	0.4
31	0.4		0.8	0.8		0.8		0.6		0	0.2	
MEAN	0.41	1.01	0.70	1.31	3.12	6.91	0.57	0.30	0.27	0.14	0.11	0.18
ACRE-FEET	25.0	59.9	43.3	80.3	173	425	34.1	18.6	16.3	8.73	6.74	10.7

YEAR OR PERIOD MEAN 1.25
ACRE-FEET 902

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F54B-R

DAILY DISCHARGE IN SECOND-FEET OF TOPANGA CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0.2	0.8	1.4	2.0	1.8	0.4	1.2	0.6	+	0.2	0.6
2	+	0.2	4.4	1.8	2.0	1.2	0.2	0.8	0.6	+	0.4	0.6
3	+	0.2	2.8	+	1.8	1.4	0.2	0.6	0.6	0.2	0.4	1.0
4	+	0.2	2.4	+	1.4	1.8	0.2	0.6	0.6	+	0.2	0.8
5	+	0.2	1.6	+	1.6	1.6	0.4	0.8	0.6	0.2	0.4	1.0
6	+	1.2	1.4	+	1.6	1.4	0.6	0.8	0.6	0.2	0.6	1.4
7	0.2	0.4	1.0	+	1.2	1.4	0.6	1.0	0.8	0.2	+	1.0
8	+	0.2	0.8	+	1.2	1.6	1.2	0.4	0.8	0.2	0.2	1.0
9	+	0.4	1.8	+	1.0	1.6	1.2	0.4	0.8	+	+	0.8
10	+	0.4	0.6	+	1.4	1.6	1.2	0.6	0.6	+	0.2	0.8
11	0.2	0.4	0.4	+	1.4	1.6	0.8	0.8	0.6	+	0.6	0.8
12	0.2	0.4	0.4	12.4	1.2	2.0	0.8	0.8	0.4	+	0.4	1.6
13	0.2	0.2	0.4	7.0	1.4	37	0.8	0.6	0.6	0.2	0.4	+
14	0.2	0.2	0.4	0.4	1.4	4.0	14	0.6	0.4	0.2	0.4	0.2
15	0.4	0.2	0.2	+	2.0	2.0	1.6	1.0	0.4	0.4	0.6	0.4
16	0.4	0.2	2.0	3.2	10.5	1.8	0.8	0.4	0.2	0.6	0.6	0.6
17	0.4	+	2.4	0.4	39	1.6	0.6	0.2	0.2	0.6	0.6	0.6
18	0.4	0.2	298	0.6	3.2	1.6	0.4	0.2	0.4	0.4	0.6	0.6
19	0.4	0.4	288	1.2	2.4	1.2	0.6	0.2	0.4	0.4	1.8	0.2
20	0.4	0.4	35	1.8	2.4	1.0	0.6	0.4	0.4	0.4	0.8	0.2
21	0.2	0.4	461	3.2	2.0	1.0	0.8	0.6	0.4	0.4	0.6	0.4
22	0.2	0.4	29	3.2	2.8	1.2	1.0	0.6	0.6	0.4	0.6	0.4
23	0.2	0.4	9.0	2.8	2.8	1.0	0.8	0.8	0.6	0.2	0.4	0.4
24	0.2	0.4	6.6	3.2	2.4	1.0	1.0	0.6	0.6	+	0.4	0.4
25	0.2	0.6	4.8	2.8	2.4	1.0	0.8	0.4	0.6	+	0.2	0.4
26	+	1.2	4.8	2.4	1.8	1.0	0.8	0.4	0.6	+	0.2	0.6
27	+	0.6	5.2	2.4	1.8	0.8	0.8	0.6	0.6	+	+	0.6
28	+	22	6.6	2.4	2.0	0.6	0.8	1.2	0.4	0.2	+	0.4
29	+	720	4.8	2.8		0.8	1.0	1.0	0.4	0.2	+	0.4
30	+	12.9	3.6	2.0		0.6	1.0	0.8	0.2	+	0.4	0.4
31	+		2.4	2.0		0.6		0.8		0.2	0.4	
MEAN	0.14	25.5	38.2	1.92	3.50	2.54	1.20	0.65	0.52	0.19	0.41	0.62
ACRE-FEET	7.1	1,520	2,350	118	195	157	71	40	31	12	25	37

YEAR OR PERIOD MEAN 6.29
ACRE-FEET 4,560

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F54B-R

DAILY DISCHARGE IN SECOND-FEET OF TOPANGA CREEK above Mouth of Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.2	0.8	0.4	3.2	0.6	0.6	1.0	0.6	0.2	0.2	0.2	0.2
2	0.2	0.6	1.0	2.0	0.8	0.4	0.6	0.6	0.2	0.2	0.2	0.2
3	0.2	0.8	1.6	1.6	0.6	0.4	0.6	0.6	0.2	0.2	0.2	0.2
4	0.2	0.6	0.8	1.0	0.4	0.4	0.6	0.4	0.2	0.2	0.2	0.2
5	0.2	0.6	0.6	1.0	1.4	0.4	0.6	0.4	0.2	0.2	0.2	0.2
6	0.2	0.8	0.4	1.0	1.0	0.4	0.6	0.4	0.2	0.2	0.2	0.2
7	0.2	0.8	0.4	1.0	0.8	0.4	0.4	0.2	1.2	0.2	0.2	0.2
8	0.2	0.8	0.4	1.0	0.8	0.6	0.4	0.4	0.8	0.2	0.2	0.4
9	0.2	0.8	0.6	1.0	0.6	0.6	0.4	0.4	0.6	0.2	0.2	0.4
10	0.2	0.8	0.6	1.0	0.6	0.6	0.4	0.2	0.6	0.2	0.2	0.2
11	0.2	1.0	0.6	1.0	0.6	0.6	0.4	0.2	0.4	0.2	0.2	0.2
12	0.2	1.8	0.8	1.0	0.6	0.8	0.4	0.2	0.2	0.2	0.2	0.2
13	0.2	0.8	1.6	1.0	0.6	0.8	0.2	0.4	0.2	0.2	0.2	0.2
14	0.4	1.0	0.8	1.0	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2
15	0.4	0.8	0.8	1.0	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.4
16	0.4	0.6	0.6	0.8	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2
17	0.4	0.4	0.8	0.8	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.8
18	0.4	0.4	0.6	1.0	0.6	0.8	0.2	0.4	0.2	0.2	0.2	0.4
19	0.6	0.4	0.8	1.0	0.6	0.8	0.4	0.4	0.2	0.2	0.2	0.2
20	0.4	0.2	0.8	1.0	0.6	0.8	0.2	0.4	0.2	0.2	0.2	0.2
21	0.4	0.4	0.4	0.8	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2
22	0.2	0.8	4.8	0.8	0.8	0.8	0.4	0.2	0.2	0.2	0.2	0.2
23	0.4	0.6	1.8	1.0	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2
24	2.0	0.4	28	0.8	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.4
25	1.6	0.6	20	0.8	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.4
26	0.6	0.6	7.1	0.8	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.4
27	0.6	0.8	110	0.8	0.6	0.8	0.2	0.2	0.2	0.2	0.2	0.2
28	0.4	0.6	40	0.8	0.6	0.8	0.4	0.2	0.2	0.2	0.2	0.2
29	0.4	0.6	16	0.8	0.6	0.8	0.4	0.2	0.2	0.2	0.2	0.2
30	0.6	0.4	4.4	0.8		0.6	0.6	0.2	0.2	0.2	0.2	0.2
31	0.8		3.2	0.6		0.6		0.2		0.2	0.2	
MEAN	0.43	0.69	8.10	1.04	0.68	0.68	0.39	0.30	0.29	0.20	0.20	0.26
ACRE-FEET	27	41	498	64	39	42	23	18	17	12	12	16

YEAR OR PERIOD MEAN 1.1
ACRE-FEET 809

STATION DATA SUMMARY

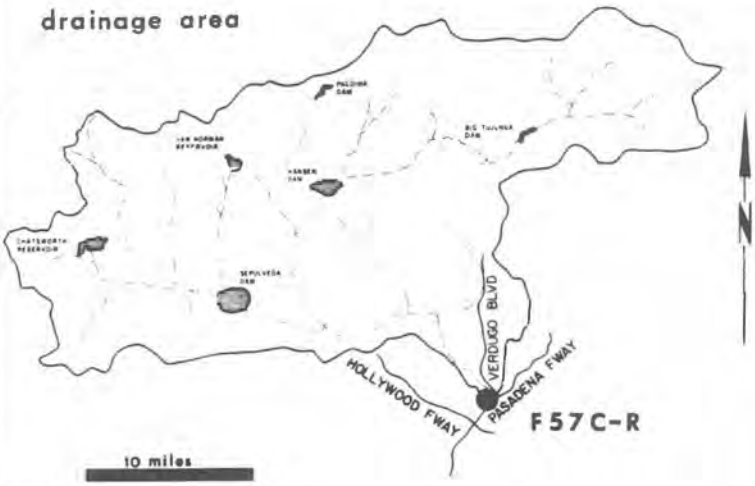
STA. NO. F54B-R
TOPANGA CREEK ABOVE MOUTH OF CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	*	*	*	647*	3	14	340
1930-31	186	+	1.0	705	2	4	386
1931-32	409	+	4.9	3590	2	8	1250
1932-33	542	+	3.1	2240	1	19	1430
1933-34	1590	0	8.9	6420	12	31	4510
1934-35	130	+	1.9	1360	1	5	1200
1935-36	77	+	2.0	1490	2	22	528
1936-37	413	+	9.1	6620	3	15	1130
1937-38	3270	+	21.2	15310	3	2	9300E
1938-39	NO RECORD						
1939-40B	183	+	2.9	2080	2	1	1280
1940-41	1100E	+	26.2	18940	2	20	8700E
1941-42	47	+	0.8	540	12	28	385
1942-43	1100E	+	12.0	8720	1	22	2200
1943-44	1100E	0.1	9.6	6970	2	22	5070
1944-45	176	0.1	1.5	1090	2	2	964
1945-46	182	+	1.9	1390	12	23	905
1946-47	86	+	1.4	994	11	20	567
1947-48	23	0	0.2	168	3	24	276
1948-49	5.0	+	0.1	99	12	26	63
1949-50	35	+	0.5	379	12	18	275
1950-51	2.4	+	0.1	74	1	11	21
1951-52	1990	0	23.3	16900	1	15	6050
1952-53	52	+	1.0	725	12	1	702
1953-54	396	0	2.5	1820	2	13	2090
1954-55	33	+	0.5	354	1	18	151
1955-56	337	+	1.4	1030	1	26	1540
1956-57	69	+	0.5	374	2	23	655
1957-58	599	+	10.4	7460	4	3	3950
1958-59	141	+	1.1	785	1	6	1510
1959-60	76	+	0.6	422	4	27	539
1960-61	8.1	+	0.1	58	1	26	28
1961-62	1150	+	10.7	7720	2	10	2790
1962-63	66	+	0.6	454	2	9	569
1963-64	17	+	0.2	178	1	21	196
1964-65	148	+	1.2	886	4	9	716
1965-66	1120	+	10.0	7270	12	29	3500
1966-67	569	0.1	7.0	5070	1	24	2280
1967-68	186	0.1	2.2	1570	3	8	567
1968-69	4920	0.1	40.6	29400	1	25	12200
1969-70	84	0	1.2	902	3	4	844
1970-71	720	+	6.3	4560	1	29	3020
1971-72	110	0.2	1.1	809	12	27	588

B = RECORD BEGAN AT B LOCATION 06-05-40.
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 57C-R
LOS ANGELES RIVER
above Arroyo Seco

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 511 square miles

LOCATION – 800.0 feet above the confluence of the Arroyo Seco with the Los Angeles River, Los Angeles

REGULATION – partially regulated by Sepulveda, Pacoima, Big Tujunga, and Hansen Dams; and by several spreading grounds, reservoirs, and debris basins.

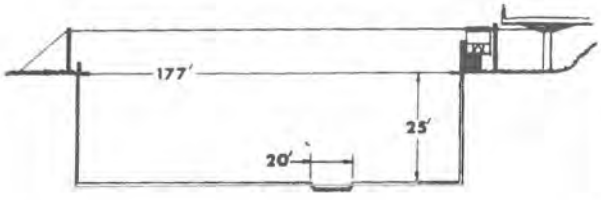
CHANNEL – concrete, rectangular in section, with a trapezoidal low-flow channel

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F57-R, December 5, 1929, to May 26, 1938
at Station F57B-R, April 5, 1939, to December 8, 1939
at Station F57C-R, December 8, 1939, to date

REMARKS – subject to diversions from Big Tujunga Creek, and other diversions for domestic and irrigation uses

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F57C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER above Arroyo Seco FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	17.4	15.6	16.5	25	12.4	2,270	12.4	16.5	13.0	23	16.5	10.5
2	19.3	13.7	22	28	15.6	1,090	13.0	15.0	16.5	13.0	14.3	8.7
3	24	13.7	11.8	26	14.3	89	13.0	11.1	19.3	11.8	16.5	11.8
4	14.3	14.3	11.8	24	31	1,900	17.4	15.0	15.6	9.2	19.3	13.0
5	12.4	17.4	15.6	23	39	611	13.7	17.4	14.3	8.3	20	9.2
6	13.0	1,770	12.4	11.1	33	58	13.7	18.4	12.4	10.5	22	7.8
7	16.5	845	11.8	10.5	33	30	12.4	16.5	12.4	9.8	22	11.1
8	17.4	49	13.7	12.4	34	20	12.4	15.0	14.3	9.8	23	13.7
9	18.4	56	28	26	1,210	20	16.5	12.4	18.4	9.2	20	12.4
10	16.5	53	18.4	798	2,600	24	15.0	9.8	15.0	10.5	21	15.0
11	15.0	35	14.3	162	398	27	12.4	9.8	15.6	9.2	20	15.6
12	12.4	32	13.0	121	45	27	10.5	11.8	14.3	8.3	24	14.3
13	16.5	33	13.0	27	33	28	12.4	11.1	50	10.5	17.4	9.8
14	17.4	15.0	10.5	41	16.5	25	17.4	9.8	28	9.8	18.4	8.7
15	25	12.4	12.4	104	13.0	14.3	17.4	9.2	20	9.2	14.3	12.4
16	17.4	12.4	14.3	1,250	13.0	13.7	15.6	13.7	16.5	9.8	12.4	9.2
17	15.0	11.8	12.4	111	16.5	13.0	17.4	13.0	15.0	8.7	15.6	11.1
18	14.3	11.8	14.3	24	14.3	13.0	22	15.0	17.4	7.8	19.3	11.1
19	13.0	11.1	14.3	15.0	15.0	11.1	18.4	15.6	14.3	6.9	25	9.8
20	13.7	11.1	13.0	13.7	13.0	12.4	17.4	18.4	13.0	9.8	25	8.3
21	14.3	13.0	13.0	13.7	13.7	11.1	21	16.5	10.5	8.7	28	8.3
22	15.0	14.3	19.3	14.3	12.4	14.3	24	14.3	11.1	9.8	16.5	8.7
23	14.3	15.0	13.0	14.3	13.0	22	21	13.0	14.3	21	24	9.2
24	15.0	13.7	14.3	16.5	14.3	16.5	28	11.8	12.4	19.3	10.5	10.5
25	15.0	12.4	36	32	13.7	16.5	28	15.6	13.7	19.3	13.0	11.1
26	13.7	11.8	26	15.6	14.3	16.5	25	13.0	16.5	7.4	13.0	8.7
27	15.6	11.1	21	17.4	13.7	15.6	26	12.4	19.3	15.0	12.4	7.8
28	15.6	20	17.4	15.0	2,760	11.8	28	12.4	11.8	15.6	11.8	7.4
29	15.0	11.8	25	13.0		12.4	15.0	11.1	15.6	22	11.1	12.4
30	24	9.8	21	13.0		98	16.5	11.1	25	18.4	7.8	12.4
31	15.0		14.3	12.4		69		9.8		16.5	7.8	
MEAN	16.2	106	16.6	97.7	266	213	17.8	13.4	16.8	12.2	17.5	10.7
ACRE-FEET	993	6,280	1,020	6,010	14,790	13,090	1,060	824	1,000	750	1,070	635

YEAR OR PERIOD MEAN 65.6
ACRE-FEET 47 520

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F57C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER above Arroyo Seco FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	15.5	22	106	b 20	13.0	130	23	37	27	39	32	24
2	15.5	21	527	b 20	11.8	150	22	28	33	41	28	23
3	16.5	33	b 20	b 20	11.8	150	18.4	28	31	42	30	20
4	41	25	b 20	b 20	11.8	130	16.5	35	27	41	27	16.5
5	26	21	b 20	b 20	12.4	119	26	34	11.1	42	27	15.6
6	11.8	a 20	b 20	b 20	14.3	138	43	142	7.8	51	30	124
7	7.4	a 20	b 20	b 20	11.8	138	20	82	11.8	74	43	45
8	7.4	a 20	b 20	b 20	15.6	150	18.4	35	14.3	89	13.7	17.4
9	8.3	a 20	400	b 20	150	157	18.4	20	15.0	96	18.4	13.0
10	8.3	a 20	b 20	b 20	487	157	15.6	25	20	96	23	15.6
11	16.5	a 20	b 20	b 14.0	243	165	15.6	32	15.6	91	18.4	13.7
12	12.4	a 20	b 20	674	200	169	14.3	34	15.6	88	23	11.8
13	13.7	a 20	b 20	317	157	844	46	37	14.3	86	43	11.8
14	13.7	a 20	201	84	35	150	751	38	11.1	58	31	13.7
15	13.0	a 20	b 20	43	59	138	50	49	49	61	9.8	15.0
16	15.0	a 20	171	28	485	108	43	37	58	74	13.7	15.6
17	37	a 20	385	21	649	50	41	31	50	50	18.4	13.7
18	16.5	a 20	3,300	12.5	50	43	39	37	49	43	19.3	15.0
19	18.4	a 20	3,650	13.5	45	22	26	41	41	58	34	11.1
20	21	a 20	b 20	12.7	33	15.6	43	46	35	65	20	15.0
21	19.3	a 20	4,140	12.3	76	24	31	42	42	70	14.3	14.3
22	21	a 20	b 20	10.7	28	73	35	35	47	70	11.1	14.3
23	18.4	a 20	b 20	9.2	59	31	43	32	45	72	13.7	16.5
24	14.3	a 20	b 20	10.4	14.3	25	35	34	45	64	14.3	12.4
25	15.6	a 20	b 20	11.4	12.4	37	26	45	42	61	37	9.8
26	17.4	1,070	b 20	19.7	4.3	37	46	39	35	77	13.7	10.5
27	19.3	26	b 20	19.7	68	82	51	35	31	74	30	11.8
28	32	2,450	b 20	32	187	50	33	137	37	82	15.0	10.5
29	22	12,870	b 20	20		39	34	42	38	74	13.7	10.5
30	23	736	b 20	16.7		37	34	28	41	70	18.4	10.5
31	23		b 20	12.3		28.4		24		46	21	

MEAN	17.7	589	430	51.3	90	115	55.3	43.3	31.3	66.3	22.4	19.1
ACRE-FEET	1,090	35,060	26,420	3,160	6,110	7,070	3,290	2,660	1,860	4,080	1,380	1,130

YEAR OR PERIOD MEAN 129
ACRE-FEET 93,310

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F57C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER above Arroyo Seco FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	16.5	8.7	13.0	a 38	14.3	14.2	13.5	14.9	20	49	15.6	12.8
2	17.4	11.1	18.6	a 31	14.3	13.5	13.5	22	20	41	10.4	11.6
3	19.3	24	169	a 38	15.0	12.8	19.4	19.4	20	42	12.8	9.8
4	16.5	20	78	25	13.0	10.4	16.5	17.5	16	38	8.2	10.4
5	19.3	16.5	45	23	157	9.8	16.5	18.4	19.4	32	7.2	14.2
6	19.3	11.1	28	24	43	15.6	14.9	14.9	41	37	6.2	18.4
7	23	9.2	22	35	30	14.9	15.6	14.2	71	33	6.7	15.6
8	18.4	15.0	20	18.4	26	14.9	13.5	19.6	32	20	9.8	11.0
9	17.4	16.5	22	14.9	22	14.2	16.5	12.8	22	25	10.4	10.4
10	19.3	23	34	14.2	24	9.8	17.5	14.2	17.5	21	12.2	7.7
11	28	27	24	17.5	34	42	12.2	19.4	17.5	23	12.8	9.2
12	31	265	19.3	16.5	42	21	14.2	19.4	17.5	23	289	18.4
13	30	28	194	16.5	26	19.4	14.2	32	26	27	100	15.6
14	22	15.0	36	18.4	30	14.2	11.6	14.9	23	26	28	11.0
15	30	15.6	16.5	14.2	24	14.2	12.2	24	28	22	22	10.4
16	39	13.7	15.6	13.5	23	14.2	12.2	16.5	28	17.5	14.2	11.0
17	75	7.4	61	27	23	18.4	21	12.8	28	18.4	13.5	6.7
18	27	12.4	39	22	23	22	38	18.4	25	18.4	13.5	7.7
19	32	8.7	34	17.5	22	26	33	14.2	27	22	11.6	12.8
20	25	7.8	46	18.4	22	27	26	23	31	25	10.4	13.5
21	39	7.8	42	17.5	22	24	16.5	32	33	17.5	11.6	14.2
22	46	15.0	1,830	14.2	23	23	9.8	22	35	12.2	13.5	15.6
23	47	11.8	191	14.9	21	32	5.4	12.8	24	12.5	12.8	14.9
24	683	16.5	4,830	13.5	25	14.9	9.8	9.8	24	15.6	15.6	12.2
25	154	9.8	1,810	14.2	17.5	18.4	35	12.8	22	19.4	17.5	15.6
26	30	11.0	444	20	15.6	16.5	38	11.6	23	8.2	10.4	16.5
27	31	12.8	3,750	26	14.2	22	12.8	9.2	30	14.2	10.4	13.5
28	16.5	11.6	1,470	16.5	14.2	17.5	14.9	7.2	35	15.6	12.8	15.6
29	11.8	15.0	138	21	14.2	18.4	14.9	12.2	41	15.6	19.4	14.2
30	12.4	15.0	67	13.5		15.6	12.2	12.2	46	9.2	11.6	10.4
31	7.8		56	13.0		14.2		13.5		9.8	13.5	

MEAN	51.7	22.2	501	20.2	27.4	18.2	15.8	16.7	28.1	23.1	24.6	12.7
ACRE-FEET	3,180	1,350	30,830	1,240	1,580	1,120	1,040	1,030	1,670	1,420	1,510	756

YEAR OR PERIOD MEAN 64.3
ACRE-FEET 46,730

STATION DATA SUMMARY

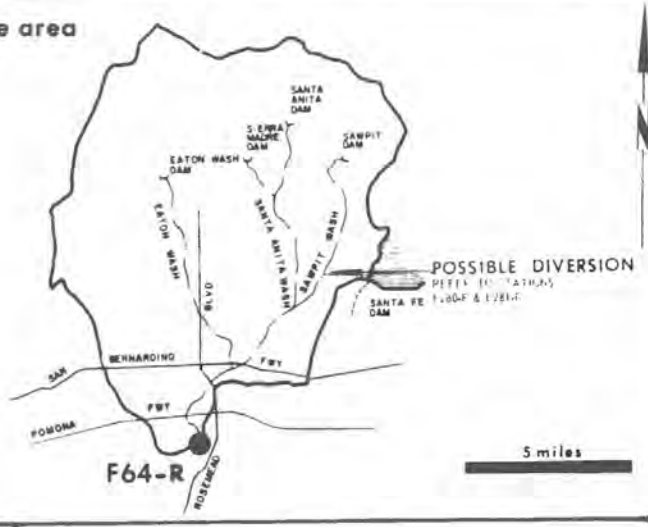
STA. NO. F57C-R
LOS ANGELES RIVER ABOVE ARROYO SECO

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	FLOW CFS
1929-30	312	0	2.3	1660	3	15	500
1930-31	927	0	5.5	3950	2	4	4540
1931-32	2520	0	21.0	15240	2	8	3020
1932-33	2330	0	14.7	10640	1	19	5780
1933-34	5990	0	41.2	29810	1	1	22000
1934-35	568	0.1	17.3	12550	4	8	2400E
1935-36	322	0.4	7.9	5770	3	30	2540
1936-37	1670	0.4	33.8	24470	2	6	2410
1937-38B	27900	0.6	183	132600	3	2	68000E
1938-39	1950	3.8	58.5	42360	1	5	3710
1939-40C	2070	6.0	54.5	39590	1	8	8900
1940-41	6700	4.2	228	165000	2	20	11900
1941-42	1170	22	75.7	54800	12	10	5260
1942-43	7120	15	172	124400	1	23	23900
1943-44	6020	25	151	109800	2	22	14600
1944-45	1160	6.5	51.1	36990	2	2	4900
1945-46	1880	3.4	49.6	35880	12	22	5240
1946-47	896	1.6	43.3	31330	12	25	5320
1947-48	498	3.6	20.5	14890	3	24	4900
1948-49	451	4.2	24.3	17600	12	17	1530
1949-50	804	0.3	14.9	10760	2	6	2840
1950-51	487	0.5	10.8	7840	1	11	3600
1951-52	8130	0.5	149	108000	1	16	25300
1952-53	1370	0.6	25.5	18480	12	20	7270
1953-54	2570	0.2	29.0	21000	2	13	9580
1954-55	1510	0.2	25.2	18270	1	18	6850
1955-56	7290	0.6	49.4	35890	1	26	15300
1956-57	2390	0.2	34.4	24890	2	23	22200
1957-58	4650	0.4	126	91020	2	19	19700
1958-59	3790	0.2	27.6	20230	1	6	17200
1959-60	1420	+	23.3	16910	1	12	8960
1960-61	1590	+	16.6	12000	11	5	7890
1961-62	8510	+	120	86910	2	12	32500
1962-63	3750	+	32.4	23440	2	9	18100
1963-64	1950	+	27.9	20320	1	22	12200
1964-65	2880	+	49.1	35580	4	9	12500
1965-66	12600	0.1	149	107500	12	29	32000
1966-67	7720	0.4	115	82210	11	7	32100
1967-68	4780	3.4	82.2	59710	3	8	30900
1968-69	23400	4.0	425	307400	1	25	41800
1969-70	2760	6.9	65.6	47520	3	4	17000
1970-71	12900	7.4	129	93310	11	29	41500
1971-72	4830	5.4	64.3	46690	12	27	15900

B = RECORD BEGAN AT B LOCATION 05-26-38.
C = RECORD BEGAN AT C LOCATION 12-08-39.
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 64-R
RIO HONDO
above Mission Bridge

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 115 square miles (excludes area above Santa Fe Dam)

LOCATION – 1,000 feet above San Gabriel Boulevard, west of Rosemead Boulevard, 2.0 miles northeast of Montebello

REGULATION – partially regulated by Sierra Madre, Santa Anita, Sawpit, Eaton, and Santa Fe Dams and several debris basins.

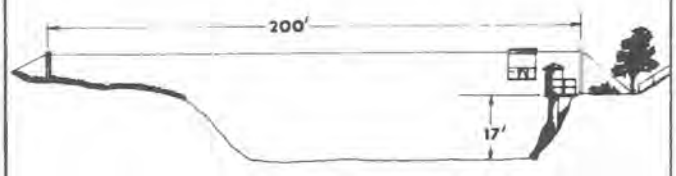
CHANNEL – sand and silt, natural in section

CONTROL – none

LENGTH OF RECORD – July 1, 1928 to date

REMARKS – subject to diversions; water purchased from the MWD passes this station for spreading in the coastal basin

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F64-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Mission Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	14	12	106	106	120	1,030	155	9.6	11	8.0	7.9	8.5
2	15	12	112	110	120	399	153	9.4	10	9.1	8.5	7.4
3	14	78	108	103	122	72	155	9.4	10	8.8	9.6	7.1
4	14	165	110	101	122	888	162	9.3	9.4	7.4	9.4	6.8
5	13	148	112	110	122	279	153	9.2	9.4	7.1	9.4	6.3
6	12	637	112	103	122	47	151	9.1	8.5	6.8	9.4	5.7
7	12	153	110	115	115	115	100	9.1	8.5	6.8	9.4	6.0
8	12	14	122	105	119	115	15	9.1	8.5	6.3	9.6	6.6
9	11	14	122	50	173	86	11	9.0	8.2	6.3	9.9	7.1
10	11	13	108	160	840	50	9.6	9.0	8.2	7.6	9.7	7.6
11	11	9.6	100	53	83	98	9.6	9.0	8.2	7.4	9.5	7.9
12	11	61	101	49	34	90	9.0	9.0	8.8	6.8	9.3	7.9
13	11	129	106	108	25	76	9.0	9.0	9.4	6.8	9.1	7.7
14	12	120	110	190	20	65	9.0	8.8	9.0	7.4	9.4	7.5
15	12	131	103	101	16	50	9.0	9.1	8.5	7.1	9.0	7.3
16	12	137	101	283	64	40	9.3	8.8	8.0	8.2	7.5	7.0
17	12	129	101	17	126	30	9.1	8.7	7.4	7.1	7.5	6.8
18	12	110	100	16	129	67	8.2	8.6	7.6	6.6	7.5	7.1
19	11	108	103	16	119	131	7.9	8.5	7.4	6.8	7.5	6.8
20	11	120	103	60	110	129	7.1	9.1	7.1	5.5	7.4	5.0
21	11	112	108	124	128	139	6.6	8.2	7.1	11	7.1	31
22	11	95	103	120	140	124	7.4	7.9	7.3	15	6.8	101
23	11	86	103	97	137	119	9.1	8.5	7.5	12	7.0	120
24	11	142	106	16	131	130	9.1	9.0	7.9	10	7.2	144
25	11	205	105	16	115	150	9.1	9.0	8.2	7.0	7.6	146
26	11	106	108	57	128	188	9.1	10	7.4	7.0	7.9	137
27	11	106	98	115	100	158	9.1	11	7.4	7.0	8.2	120
28	12	90	96	119	1,680	144	9.1	12	7.5	7.0	8.2	91
29	12	96	105	128		142	9.1	12	7.5	7.0	8.5	7.6
30	11	105	106	126		257	9.1	11	7.5	6.6	8.2	7.1
31	12		105	122		160		11		7.1	8.2	
MEAN	11.8	115	106	96.6	188	180	41.3	9.37	8.28	7.76	8.43	34.8
ACRE-FEET	728	6,830	6,530	5,940	10,430	11,040	2,460	576	493	477	518	2,070

YEAR OR PERIOD MEAN 66.4
ACRE-FEET 48,100

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F64-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Mission Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.9	188	13	94	9.0	7.0	5.5	8.2	7.0	7.9	7.7	6.6
2	6.9	175	169	141	9.0	10	6.3	8.8	6.6	7.9	7.9	7.1
3	48	168	28	88	9.0	6.8	6.0	9.1	7.4	7.9	8.0	6.8
4	137	152	38	82	15	7.6	5.2	9.4	7.4	7.9	8.1	7.1
5	135	119	31	75	14	7.6	6.0	9.6	6.6	7.4	8.2	6.6
6	131	134	29	71	10	7.4	6.6	38	6.6	7.6	7.6	6.6
7	133	129	30	67	3.0	7.1	6.8	17	6.6	7.1	8.5	7.4
8	151	165	25	64	9.0	6.8	6.6	12	7.1	7.1	8.5	7.1
9	148	144	89	58	9.0	6.8	6.3	10	7.4	6.8	8.5	7.1
10	153	140	60	50	9.0	6.6	6.6	9.6	7.9	7.1	8.5	7.1
11	160	144	124	41	9.0	6.8	6.6	11	6.8	7.1	8.2	7.1
12	142	151	108	168	9.0	6.6	7.1	10	7.1	7.1	8.2	7.1
13	144	155	95	40	9.0	263	8.2	9.1	6.8	7.6	7.9	7.1
14	144	153	84	26	9.0	11	71	9.6	7.1	7.1	7.9	6.8
15	160	151	65	18	9.0	10	9.1	9.4	7.9	7.1	7.4	6.8
16	153	146	70	18	196	9.0	9.5	8.8	8.2	7.1	7.4	7.1
17	158	146	62	16	402	9.0	39	9.1	8.2	7.1	7.4	7.1
18	151	153	451	14	11	8.5	15	9.1	8.5	7.1	7.1	7.4
19	140	155	768	14	12	7.6	6.8	9.4	7.9	7.1	7.4	7.1
20	137	158	88	12	15	6.8	6.3	8.5	7.4	7.4	7.1	7.4
21	155	180	990	10	13	7.0	6.3	8.2	7.9	7.4	7.4	7.6
22	158	192	14	10	11	7.0	6.6	7.4	8.5	7.4	6.8	7.9
23	153	188	28	9.0	10	7.0	6.8	6.8	9.1	6.8	6.8	7.6
24	162	188	98	9.0	10	7.0	6.8	7.1	8.8	7.1	7.1	6.8
25	153	165	101	9.0	10	6.8	6.6	6.8	7.9	6.8	6.6	6.8
26	162	108	105	9.0	10	7.1	7.4	6.0	7.6	6.8	6.6	6.0
27	180	41	100	9.0	9.0	6.6	8.2	6.5	7.4	7.1	7.1	5.8
28	182	963	72	9.0	8.0	6.0	7.6	50	7.6	7.1	6.8	5.6
29	180	2,450	11	9.0		6.0	7.4	10	8.2	7.1	6.8	5.2
30	162	69	11	9.0		5.5	7.9	8.0	7.9	7.3	6.8	5.5
31	178		42	9.0		5.5		7.0		7.5	6.6	
MEAN	141	252	129	40.6	30.8	15.6	10.4	11.3	7.58	7.25	7.51	6.84
ACRE-FEET	8,660	15,010	7,930	2,500	1,710	959	619	693	451	446	462	407

YEAR OR PERIOD MEAN 55.0
ACRE-FEET 39,850

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F64-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO above Mission Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.0	5.7	5.5	6.0	b 5.7	b 4.7	b 5.0	b 3.5	b 3.4	b 4.1	b 4.5	b 3.7
2	4.8	6.6	9.6	5.5	b 5.1	b 4.7	b 5.0	b 3.6	b 3.4	b 4.2	b 4.5	b 3.6
3	4.2	5.5	13	5.2	b 5.1	b 4.7	b 4.9	b 3.6	b 3.4	b 4.3	b 4.3	b 3.6
4	3.1	5.2	5.7	5.2	b 5.1	b 4.8	b 4.9	b 3.6	b 5.0	b 4.4	b 4.1	b 3.5
5	4.6	5.2	4.6	5.0	b 5.7	b 4.8	b 4.9	b 3.6	b 4.0	b 4.4	b 3.9	b 3.4
6	4.6	5.0	5.0	5.0	b 5.5	b 4.9	b 4.8	b 3.6	b 12	b 4.6	b 3.7	b 3.4
7 e	5.8	5.0	5.5	5.0	b 5.5	b 4.9	b 4.7	b 3.6	b 6.9	b 4.7	b 3.5	b 3.4
8 e	5.8	5.0	5.2	5.0	b 5.5	b 4.9	b 4.6	b 3.5	b 5.0	b 4.9	b 3.3	b 3.5
9	5.7	5.2	5.5	5.0	b 5.5	b 4.9	b 4.5	b 3.5	b 4.9	b 5.1	b 3.3	b 3.6
10	5.5	5.7	5.7	4.8	b 5.3	b 4.9	b 4.4	b 3.5	b 4.8	b 5.2	b 3.3	b 3.6
11	6.8	8.0	4.8	5.0	b 5.1	b 5.0	b 4.3	b 3.5	b 4.7	b 5.3	b 3.3	b 3.7
12	7.4	86	4.6	5.5	b 4.9	b 5.0	b 4.2	b 3.4	b 4.6	b 5.4	68	b 3.7
13	7.1	11	13	6.0	b 4.8	b 5.0	b 4.2	b 3.4	b 4.5	b 5.2	b 3.8	b 3.8
14	7.1	9.9	5.5	5.5	b 4.7	b 5.1	b 4.3	b 3.4	b 4.5	b 5.0	b 3.8	b 3.5
15	7.1	7.6	5.5	5.5	b 4.6	b 5.1	b 4.3	b 3.4	b 4.4	b 4.8	b 3.8	b 3.3
16	27	6.6	5.0	5.0	b 4.6	b 5.0	b 4.4	b 3.4	b 4.4	b 4.6	b 3.8	b 3.0
17	15	5.2	5.0	5.2	b 4.6	b 4.9	b 4.4	b 3.4	b 4.4	b 4.4	b 3.8	b 2.8
18	6.6	4.4	4.8	6.0	b 4.6	b 4.8	b 4.5	b 3.4	b 4.3	b 4.3	b 3.7	b 2.5
19	5.2	4.4	4.8	6.0	b 4.6	b 4.7	b 10	b 3.4	b 4.2	b 4.2	b 3.6	b 2.2
20	5.0	4.8	4.8	6.3	b 4.6	b 4.6	b 4.0	b 3.4	b 4.2	b 4.2	b 3.5	b 2.0
21	5.2	4.6	4.8	6.6	b 4.6	b 4.5	b 3.8	b 3.4	b 4.2	b 4.2	b 3.4	b 2.2
22	5.2	5.0	406	7.6	b 4.6	b 4.4	b 3.6	b 3.4	b 4.1	b 4.2	b 3.3	b 2.4
23	5.7	5.0	11	8.5	b 4.6	b 4.5	b 3.4	b 3.4	b 4.0	b 4.2	b 3.2	b 2.6
24	23	5.5	1,520	8.5	b 4.6	b 4.6	b 3.2	b 3.4	b 4.0	b 4.2	b 3.1	b 2.8
25	8.5	5.0	280	8.8	b 4.6	b 4.7	b 3.1	b 3.4	b 4.0	b 4.2	b 3.2	b 3.0
26	6.6	5.0	30	6.3	b 4.6	b 4.8	b 3.1	b 3.4	b 3.9	b 4.2	b 3.3	b 3.2
27	6.0	4.8	855	5.2	b 4.6	b 4.9	b 3.1	b 3.4	b 3.8	b 4.2	b 3.5	b 3.4
28	5.5	4.8	145	5.2	b 4.6	b 5.0	b 3.2	b 3.4	b 3.8	b 4.3	b 3.6	b 3.5
29	5.0	5.2	7.1	5.5	b 4.6	b 5.0	b 3.3	b 3.4	b 3.9	b 4.3	b 3.7	b 3.4
30	5.0	5.5	4.4	5.5		b 5.0	b 3.4	b 3.4	b 4.0	b 4.4	b 3.8	b 3.3
31	5.5		6.3	6.3		b 5.0		b 3.4		b 4.4	b 3.7	
MEAN	7.25	8.41	109	5.86	4.91	4.83	4.32	3.45	4.56	4.52	5.72	3.18
ACRE-FEET	445	501	6,730	360	283	297	257	212	271	278	352	190

YEAR OR PERIOD MEAN 14.0
ACRE-FEET 10,170

STATION DATA SUMMARY

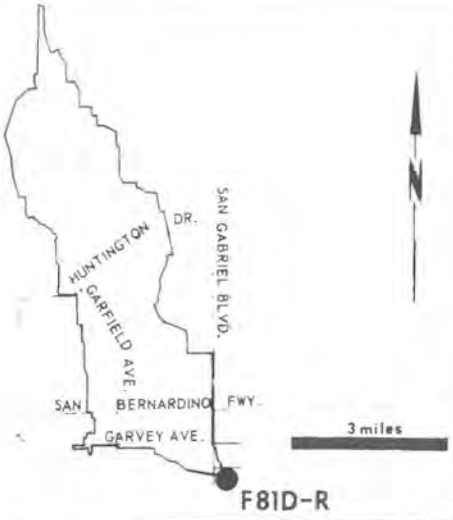
STA. NO. F64-R
RIO HONDO ABOVE MISSION BRIDGE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29	586	6.6	22.0	15980	11	14	2400
1929-30	252	8.5	18.6	13430	3	15	1260
1930-31	662	4.8	22.7	16410	2	3	4040
1931-32	5090	3.3	65.6	47560	2	9	6320
1932-33	1670	7.5	27.1	19650	1	19	4410
1933-34	4690	3.3	40.0	28970	1	1	11800
1934-35	885	8.5	40.4	29230	4	8	3560
1935-36	446	10	28.6	20700	2	12	2890
1936-37	989	9.5	70.3	50900	3	15	4600
1937-38	12600E	11	289	209300	3	2	28000
1938-39	1280	14	42.4	30650	12	18	5220
1939-40	505	13	38.1	27660	1	7	2380
1940-41	3490	16	180	130600	3	4	6570
1941-42	687	17	39.8	28810	12	10	4100
1942-43	4650	20	82.2	59470	1	23	13200
1943-44	2110	25	70.8	51390	2	22	4390
1944-45	557	18	44.6	32300	11	11	4240
1945-46	1210	23	59.6	43160	12	22	3600
1946-47	866	22	66.9	48420	11	13	4950
1947-48	548	6.6	34.9	25370	3	24	4240
1948-49	269	4.8	15.3	11100	12	17	984
1949-50	808	4.6	17.0	12280	2	6	2340
1950-51	355	2.7	10.9	7880	1	11	2900
1951-52	1840	2.2	47.6	34570	1	17	6930
1952-53	599	3.0	22.2	16120	11	15	5330
1953-54	1390	3.1	32.3	23390	2	13	6360
1954-55	748	1.8	15.7	11350	1	18	6000
1955-56	4080	2.7	23.9	17360	1	26	13000
1956-57	1080	2.8	23.2	16840	2	23	8250
1957-58	1970	2.2	161	116500	2	19	12600
1958-59	1180	4.3	55.0	39800	1	6	11000
1959-60	664	5.9	69.0	50100	1	12	3900
1960-61	638	0.8	104	75350	1	26	3030
1961-62	1800	3.4	146	106000	1	20	6070
1962-63	1170	1.0	41.8	30290	3	16	4900
1963-64	794	0	73.4	53270	1	21	6200
1964-65	925	0	108	78300	4	9	6590
1965-66	2340	0.4	128	92380	12	29	7100
1966-67	2120	3.4	118	85810	1	24	8130
1967-68	1490	5.3	118	85660	3	8	7900
1968-69	8600	6.6	201	145700	1	25	20000
1969-70	1680	5.0	66.4	48100	2	28	8220
1970-71	2450	2.5	55.0	39850	11	29	8220
1971-72	1520	2.0	14.0	10150	12	24	5650

E = ESTIMATE

STATION NO. F 81D-R
ALHAMBRA WASH
near Klingerman Street

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 15.2 square miles

LOCATION – 250' feet above Klingerman Street and 2,650.0 feet below Garvey Avenue, South San Gabriel

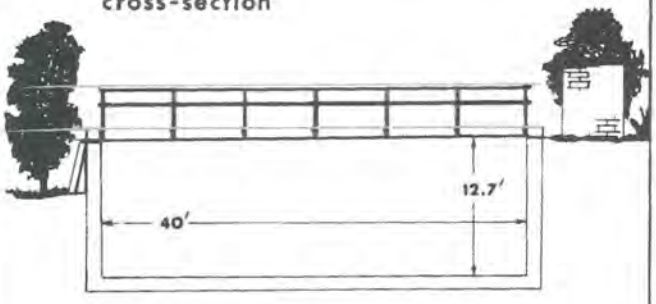
REGULATION – none

CHANNEL – concrete, rectangular in section, 40.0 feet wide by 12.7 feet deep

CONTROL – channel forms control

LENGTH OF RECORD –
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 date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F81D-R

DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH near Klingerman Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.1	0.4	0.9	0.3	0.3	169	1.1	1.4	1.1	1.1	1.0	2.1
2	1.1	0.6	0.9	0.3	0.6	73	1.1	1.1	1.1	1.1	1.0	1.6
3	1.1	0.9	0.9	0.3	0.6	1.6	1.1	1.1	1.1	0.9	1.0	1.6
4	0.6	0.9	0.9	0.3	0.6	188	0.9	1.1	1.1	1.1	1.0	1.4
5	0.4	0.6	0.9	0.3	0.6	11	1.1	1.1	1.1	1.1	1.0	1.1
6	0.9	148	0.9	0.3	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1
7	0.9	10.7	0.6	0.3	0.9	1.1	1.1	1.1	0.9	1.1	1.0	1.1
8	1.1	0.9	3.5	0.3	0.6	1.1	1.1	1.1	0.9	1.1	1.0	1.4
9	0.9	0.4	0.9	25	23	1.1	1.1	0.6	0.9	1.1	1.0	1.4
10	0.9	1.1	0.6	32	202	1.1	1.1	0.6	0.9	1.1	1.0	1.4
11	1.1	0.6	0.6	12.7	11.2	1.4	1.1	0.6	1.1	1.1	1.0	1.6
12	0.6	0.9	0.9	1.6	0.9	1.1	1.1	0.6	1.1	1.1	1.0	1.6
13	0.9	0.6	0.6	1.1	1.1	1.1	1.1	0.9	1.1	1.1	1.0	1.1
14	0.9	0.9	0.6	18.4	0.6	0.9	1.1	1.1	0.9	1.1	1.0	1.4
15	0.6	0.9	0.6	1.8	0.4	0.6	1.1	1.1	0.9	1.1	1.0	1.1
16	0.6	0.9	0.9	98	0.9	0.9	0.9	1.1	0.9	1.6	1.0	1.1
17	0.9	0.9	0.9	0.9	1.1	2.5	0.9	1.1	0.9	1.4	1.0	1.1
18	0.6	0.9	0.9	0.6	0.4	1.8	0.9	1.6	0.9	1.4	1.0	0.9
19	0.6	0.9	0.9	0.6	0.6	1.4	0.9	1.1	0.9	1.4	1.0	0.9
20	0.6	0.6	0.9	0.9	0.6	1.4	1.1	1.6	0.9	1.4	1.4	0.9
21	0.6	0.6	0.6	0.9	0.4	1.1	1.1	1.1	0.9	1.1	1.1	0.9
22	0.6	0.6	0.9	0.6	0.4	1.1	1.1	1.1	0.9	1.1	0.9	1.1
23	0.9	0.6	0.9	0.6	0.6	0.9	1.1	1.1	0.9	1.1	0.9	1.1
24	0.9	0.6	0.6	0.6	0.4	0.9	1.1	1.1	0.9	1.1	1.1	0.9
25	0.9	0.6	0.4	0.4	0.6	1.1	1.1	0.9	1.1	1.1	1.1	0.9
26	0.9	0.6	0.6	0.6	0.9	1.1	0.9	0.9	0.9	1.1	1.1	0.4
27	1.1	0.4	0.4	0.6	1.4	1.1	1.4	0.9	1.1	1.1	2.3	0.9
28	1.4	0.4	0.4	0.6	486	0.9	1.1	0.9	1.4	1.1	2.1	0.9
29	1.1	0.6	0.4	0.3		0.6	1.1	0.6	1.4	1.1	2.3	1.1
30	1.1	0.6	0.3	0.4		27	1.4	0.9	1.1	1.0	2.1	1.1
31	0.9		0.3	0.3		1.4		0.9		1.0	2.3	
MEAN	0.86	5.94	0.79	6.51	26.4	16.1	1.08	1.02	1.01	1.14	1.22	1.17
ACRE-FEET	53	353	49	400	1,460	989	64	62	60	70	75	70

YEAR OR PERIOD MEAN 5.13
ACRE-FEET 3,710

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F81D-R

DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH near Klingerman Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.1	0.4	0.9	1.4	0.9	0.6	1.1	0.6	1.1	b 1.5	b 1.0	b 1.0
2	1.1	0.6	47	21	0.9	0.6	1.1	0.4	0.6	b 1.5	b 1.0	b 1.0
3	1.6	0.6	0.9	1.6	0.9	0.9	1.1	0.4	1.1	b 1.5	b 1.0	b 1.0
4	0.9	0.6	0.9	1.6	0.9	0.9	0.9	0.6	1.1	b 1.5	b 1.0	b 1.0
5	0.9	0.6	0.6	1.4	0.9	0.9	1.1	0.6	0.9	b 1.5	b 1.0	b 1.0
6	0.9	5.3	0.9	1.4	0.9	0.9	0.9	14.7	0.6	b 1.5	b 1.0	b 1.0
7	0.9	1.1	1.1	1.1	0.9	0.6	1.4	4.6	0.6	b 1.5	b 1.0	b 1.0
8	0.9	1.1	1.1	1.8	0.9	0.9	1.4	b 1.5	0.9	b 1.5	b 1.0	b 1.0
9	0.9	0.9	22	1.4	0.9	0.9	1.8	b 1.5	0.9	b 1.5	b 1.0	b 1.0
10	0.6	0.9	0.9	1.6	0.9	0.9	1.6	b 1.5	0.9	b 1.5	b 1.0	b 1.0
11	0.6	0.9	0.9	1.8	0.6	0.9	1.6	b 1.5	0.6	b 1.5	b 1.0	b 1.0
12	0.9	0.9	0.9	55	0.6	1.4	1.8	b 1.5	0.4	b 1.5	b 1.0	b 1.0
13	0.9	0.9	0.6	11.2	0.6	81	2.1	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
14	0.9	0.6	0.6	0.6	0.6	0.6	32	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
15	0.9	0.6	0.4	1.1	0.6	0.6	1.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
16	0.9	0.6	45	1.1	62	0.6	1.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
17	1.1	0.4	31	0.9	90	0.9	12.0	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
18	0.9	0.9	204	0.9	0.9	1.P	0.9	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
19	0.9	0.9	145	0.9	1.6	1.[illegible]	0.9	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
20	0.9	0.6	28	0.6	0.6	0.3	0.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
21	0.6	0.6	341	0.6	0.6	0.6	0.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
22	0.6	0.6	2.1	0.6	0.6	0.6	0.4	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
23	0.6	0.6	2.1	0.6	0.6	0.9	0.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
24	0.6	0.9	2.3	0.6	0.6	0.9	0.9	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
25	0.6	21	1.1	0.6	0.6	0.9	0.9	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
26	0.6	27	1.1	0.6	0.6	1.1	1.1	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
27	0.4	1.6	1.1	0.6	0.6	1.1	1.6	b 1.5	b 1.0	b 1.5	b 1.0	b 1.0
28	0.4	267	1.1	0.9	0.6	1.1	1.1	25	b 1.0	b 1.5	b 1.0	b 1.0
29	0.4	648	1.1	0.9		1.4	0.4	0.6	b 1.0	b 1.5	b 1.0	b 1.0
30	0.4	16.7	1.4	0.9		1.6	0.6	0.6	b 1.0	b 1.5	b 1.0	b 1.0
31	0.4		1.4	0.9		1.1		0.4		b 1.5	b 1.0	

MEAN	0.78	33.4	28.7	3.75	6.08	3.52	2.46	2.47	0.92	1.48	1.00	1.00
ACRE-FEET	48	1,990	1,760	230	338	217	150	156	55	92	61	60

YEAR OR PERIOD MEAN 7.13
ACRE-FEET 5,160

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F81D-R

DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH near Klingerman Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	b 1.0	b 1.0	2.8	0.9	0.6	0.9	0.9	1.1	1.1	1.1	0.4	1.4
2	b 1.1	b 1.0	9.8	0.6	0.6	0.6	0.9	0.9	1.1	0.9	0.4	1.6
3	b 1.2	b 1.0	3.3	0.9	0.4	0.9	0.9	0.9	1.1	0.9	0.4	1.8
4	b 1.3	b 1.0	0.6	0.6	0.6	1.1	0.9	0.9	1.1	0.9	0.4	1.6
5	b 1.4	b 1.0	0.4	0.4	1.9	1.1	0.6	0.9	0.9	0.6	0.6	0.9
6	b 1.5	b 1.0	0.6	0.4	0.9	0.9	0.6	1.1	0.6	0.6	0.6	1.4
7	b 1.4	b 1.0	0.9	0.4	0.9	1.6	0.4	1.1	22	0.6	0.6	1.1
8	b 1.3	b 1.0	1.6	0.4	0.9	1.1	0.6	0.9	1.8	0.4	0.6	1.1
9	b 1.2	b 1.0	1.4	0.4	0.6	1.1	0.6	0.6	0.4	0.3	0.6	1.4
10	b 1.1	b 1.5	1.6	0.4	0.9	1.1	0.4	0.9	0.4	0.3	0.9	1.4
11	b 1.0	b 1.5	0.4	0.6	1.1	1.4	0.6	0.9	0.4	0.3	0.9	0.9
12	b 1.0	39	0.4	0.6	0.9	1.1	0.4	1.1	0.4	0.4	47	0.9
13	b 1.0	b 1.5	10.8	0.6	1.1	1.1	0.4	0.9	0.4	0.3	1.4	0.9
14	b 1.0	b 1.5	1.1	0.6	1.1	1.1	0.4	1.1	0.3	0.3	1.1	0.9
15	b 1.0	b 1.5	1.1	0.6	1.1	1.1	0.4	0.9	0.4	0.4	1.1	0.9
16	b 19.7	b 1.5	0.9	0.6	1.1	1.1	0.6	0.9	0.6	0.4	1.4	0.9
17	b 1.0	2.8	0.9	0.9	1.1	1.1	0.6	0.4	0.6	0.4	1.6	0.9
18	b 1.0	2.6	0.9	1.6	1.1	1.1	0.6	0.6	0.6	0.4	1.6	0.6
19	b 1.0	3.4	0.9	1.1	1.1	1.1	9.3	0.9	0.6	0.4	1.6	0.6
20	b 1.0	4.0	0.9	0.9	1.1	1.1	0.9	0.6	0.9	0.4	1.4	0.6
21	b 1.0	2.3	1.1	0.9	0.9	1.1	0.4	0.9	1.1	1.6	1.1	0.6
22	b 1.0	2.3	152	0.9	0.9	0.9	0.4	0.6	0.9	2.8	1.1	0.6
23	b 1.0	2.1	2.1	0.9	0.9	0.9	0.4	0.9	0.9	1.6	1.1	0.6
24	b 12.0	2.1	449	0.6	0.9	0.9	0.4	0.9	1.1	1.1	1.4	0.6
25	b 1.0	1.8	93.1	0.6	0.9	1.1	0.4	0.6	0.9	1.1	1.4	0.6
26	b 1.0	1.8	4.1	0.9	1.1	1.1	0.6	0.9	0.6	0.9	1.4	0.6
27	b 1.0	1.8	282	0.9	1.4	0.9	0.9	0.9	0.4	0.9	1.4	0.6
28	b 1.0	2.1	48.3	0.6	1.1	0.9	0.6	0.9	0.4	0.6	1.1	0.6
29	b 1.0	2.3	1.1	0.4	0.9	0.9	0.6	0.9	0.6	0.4	1.1	0.6
30	b 1.0	1.8	0.6	0.4		1.1	0.9	0.9	0.9	0.4	1.4	0.6
31	b 1.0		0.9	0.4		0.9		1.1		0.6	1.4	

MEAN	2.04	3.01	34.7	0.68	0.93	1.04	0.89	0.87	1.45	0.72	2.50	0.93
ACRE-FEET	125	179	2,090	42	54	64	53	54	86	44	156	55

YEAR OR PERIOD MEAN 2.54
ACRE-FEET 3,000

STATION DATA SUMMARY

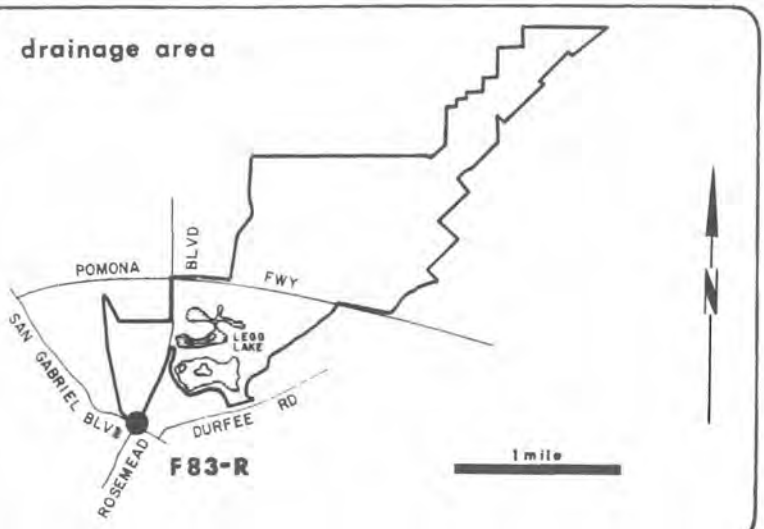
STA. NO. F81D-R
ALHAMBRA WASH NEAR KLINGERMAN STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	N.D.	0	N.D.	635	3	14	1870
1930-31	226	0	2.1	1480	2	3	1530
1931-32	220	0	2.7	1940	1	31	1120
1932-33	418	0	2.3	1680	1	19	1850
1933-34	1770	0	8.0	5820	1	1	4890
1934-35BC	219	0	3.3	2380	1	5	2280
1935-36D	144	0	2.0	1420	2	12	1700
1936-37	309	0	5.4	3880	3	15	2470
1937-38	997	0	7.6	5520	3	2	5010
1938-39	288	0	4.1	2990	1	5	2480
1939-40	130	0	2.4	1730	2	1	1280
1940-41	219	0	7.8	5650	3	3	2080
1941-42	193	0	2.5	1810	12	10	2320
1942-43	893	0	8.4	6070	3	4	4480
1943-44	454	+	5.6	4100	2	22	1860
1944-45	199	0.1	3.1	2250	11	11	2220
1945-46	342	0.1	4.1	3000	12	22	1600
1946-47	345	0.1	5.2	3800	11	13	3810
1947-48	155	0.1	2.8	2040	3	24	2670
1948-49	95	0.2	2.8	2020	12	17	758
1949-50	254	0.2	4.3	3090	2	6	1630
1950-51	106	0.2	3.3	2360	1	11	1620
1951-52	594	0.2	12.5	9040	1	16	3810
1952-53	228	0.1	4.5	3240	11	15	3140
1953-54	369	0.2	5.2	3770	2	13	2410
1954-55	185	0.2	4.2	3020	1	18	1890
1955-56	1100	0.3	7.6	5520	1	26	4550
1956-57	242	0.6	6.1	4440	2	23	3090
1957-58	544	0.3	12.8	9270	2	19	4830
1958-59	279	0.2	4.2	3020	1	6	3170
1959-60	200	0.1	3.8	2720	1	11	1710
1960-61	153	0.3	2.5	1790	11	5	1480
1961-62	382	0.1	9.1	6270	2	12	2560
1962-63	359	0.1	4.0	2880	3	16	2210
1963-64	195	0.2	4.0	2870	1	21	2210
1964-65	339	0.1	6.4	4610	4	9	3730
1965-66	686	0.3	10.7	7740	11	24	3520
1966-67	662	0.4	12.2	8820	1	22	3550
1967-68	398	0.4	6.5	4740	3	8	3480
1968-69	999	0.4	17.0	12300	2	6	3980
1969-70	486	0.3	5.3	1871	2	28	3430
1970-71	648	0.4	7.1	2601	11	29	4040
1971-72	449	0.3	2.5	3000	12	24	2000

BC = RECORD BEGAN AT B LOCATION 10-01-34, AT C LOCATION 02-25-35.
D = RECORD BEGAN AT D LOCATION 09-02-36.
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED

STATION NO. F 83-R
MISSION CREEK
at San Gabriel Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 4.2 square miles

LOCATION – upstream of San Gabriel Boulevard, 0.2 miles northeast of Montebello

REGULATION – partially regulated by outflow from Legg Lake

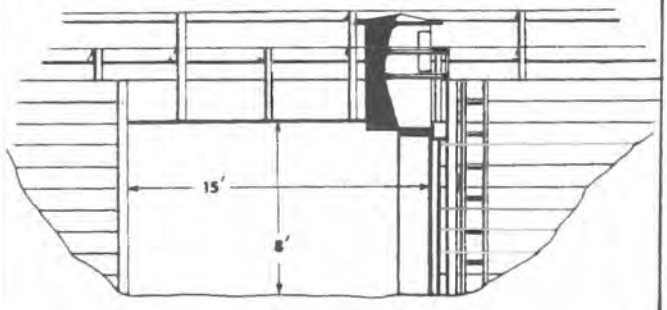
CHANNEL – sand with brush and fences, natural in section

CONTROL – channel forms control

LENGTH OF RECORD – June 14, 1930, to date

REMARKS – nearly all flows originate in rising water

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F83-R

DAILY DISCHARGE IN SECOND-FEET OF MISSION CREEK at San Gabriel Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	5.7	6.7	7.8	7.6	8.2	24	7.3	5.4	4.4	2.6	1.8	1.4
2	5.6	6.8	8.2	8.1	7.8	20	7.2	5.2	4.2	2.6	1.8	1.4
3	5.7	6.9	8.5	8.9	7.5	13	7.1	5.2	4.0	2.5	1.9	1.4
4	5.8	7.0	8.2	8.6	7.2	13	6.9	5.2	4.1	2.5	1.8	1.4
5	5.7	7.0	8.2	8.5	7.0	20	6.8	5.2	4.1	2.5	2.0	1.5
6	5.8	8.0	8.1	8.3	6.9	14	6.7	5.2	4.0	2.5	1.8	1.6
7	5.8	14	8.0	8.5	6.8	12	6.7	5.3	4.0	2.5	1.8	1.6
8	5.9	10	8.1	8.3	6.7	11	6.4	5.3	4.0	2.5	1.8	1.7
9	5.9	9.3	8.3	8.1	6.8	10	6.4	5.3	4.0	2.5	1.8	1.8
10	6.0	8.9	8.3	11	11	9.8	6.3	5.4	4.0	2.5	1.8	1.8
11	6.3	8.6	8.1	9.8	16	9.6	6.2	5.4	3.7	2.5	1.9	1.8
12	6.1	8.5	8.1	9.6	11	9.5	6.0	5.4	4.0	2.5	1.8	1.9
13	6.2	8.5	8.1	9.3	9.5	9.3	6.0	5.6	4.0	2.5	1.7	1.9
14	6.3	8.6	8.1	9.3	8.8	9.2	5.9	5.5	4.0	2.5	1.7	2.0
15	6.5	8.7	8.1	8.7	8.3	8.8	5.9	5.2	4.0	2.5	1.6	2.1
16	6.6	8.5	8.1	11	8.0	8.6	5.8	4.8	4.0	2.5	1.6	2.0
17	6.6	8.2	8.1	13	8.0	8.4	5.8	4.6	4.0	2.4	1.6	2.0
18	6.6	8.0	8.1	10	8.1	8.3	5.7	4.4	4.0	2.2	1.6	2.0
19	6.6	7.8	8.1	9.3	7.8	8.1	5.7	4.2	3.8	2.2	1.6	2.0
20	6.6	7.8	8.0	8.9	7.7	8.0	5.7	4.0	3.5	2.1	1.4	2.0
21	6.6	7.7	8.0	8.8	7.7	7.7	5.7	3.9	3.4	2.0	1.4	1.8
22	6.6	7.7	8.2	8.8	7.7	7.6	5.7	3.9	3.2	1.9	1.4	1.8
23	6.5	7.4	8.2	8.8	7.8	7.6	5.7	4.0	3.0	1.8	1.4	1.8
24	6.6	7.3	8.2	8.8	7.7	7.6	5.6	4.0	2.8	1.8	1.4	1.8
25	6.6	7.4	8.1	8.8	7.5	7.6	5.6	4.0	2.7	1.8	1.5	1.8
26	6.6	7.4	7.8	8.9	7.6	7.6	5.5	4.1	2.7	1.8	1.5	1.8
27	6.7	7.4	7.7	9.0	7.6	7.5	5.6	4.3	2.6	1.8	1.5	1.7
28	6.8	7.5	7.6	9.0	14	7.3	5.7	4.5	2.6	1.8	1.5	1.7
29	7.0	7.6	7.4	8.7		7.3	5.6	4.5	2.6	1.7	1.5	1.6
30	7.0	7.6	7.4	8.6		7.3	5.5	4.5	2.6	1.7	1.4	1.6
31	6.9		7.6	8.5		7.6		4.4		1.8	1.4	
MEAN	6.33	8.09	8.03	9.08	8.45	10.2	6.09	4.77	3.60	2.23	1.64	1.76
ACRE-FEET	389	482	493	558	469	629	362	293	214	137	101	105

YEAR OR PERIOD MEAN 5.85

ACRE-FEET 4,230

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F83-R

DAILY DISCHARGE IN SECOND-FEET OF MISSION CREEK at San Gabriel Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.5	2.2	9.0	4.5	4.1	4.0	2.8	2.7	2.2	1.2	0.7	0.2
2	1.6	3.3	6.9	4.9	4.0	4.0	3.2	2.8	2.2	1.1	0.7	0.2
3	1.6	2.4	6.3	4.9	3.9	3.9	3.1	2.8	2.1	1.1	0.7	0.2
4	1.6	2.4	5.4	4.8	4.0	3.9	2.9	2.8	2.0	1.1	0.7	0.2
5	1.7	2.4	5.6	4.9	4.0	3.9	2.8	2.8	2.0	1.1	0.7	0.2
6	1.8	2.4	5.7	4.8	4.1	3.8	2.8	2.8	1.9	1.1	0.6	0.2
7	1.8	2.4	5.8	4.7	4.2	3.8	2.8	2.8	1.8	1.1	0.6	0.2
8	1.8	2.4	5.0	4.6	4.3	3.8	2.7	2.7	1.8	1.1	0.6	0.2
9	1.8	2.3	5.7	4.5	4.4	3.8	2.7	2.6	1.8	1.1	0.5	0.2
10	1.8	2.3	5.5	4.5	4.4	3.7	2.7	2.6	1.8	1.1	0.5	0.2
11	1.8	2.2	5.0	4.3	4.3	3.7	2.7	2.5	1.8	1.0	0.5	0.1
12	2.0	2.4	5.0	4.3	4.1	3.8	2.8	2.4	1.8	1.0	0.5	0.1
13	2.0	2.4	4.8	5.1	4.1	5.0	2.8	2.3	1.8	1.0	0.5	0.1
14	2.1	2.2	4.7	4.8	4.0	4.8	3.2	2.4	1.8	1.0	0.5	+
15	2.2	2.2	4.5	4.7	4.0	4.3	3.2	2.2	1.8	1.0	0.5	+
16	2.2	2.3	4.8	4.5	4.4	4.0	3.2	2.2	1.7	0.9	0.5	+
17	2.2	2.3	6.4	4.6	10	3.9	3.0	2.0	1.8	0.9	0.5	0.1
18	2.2	2.5	6.0	4.6	8.1	3.8	2.8	2.0	1.7	0.9	0.5	0.1
19	2.3	2.5	21	4.5	5.8	3.5	2.7	2.0	1.6	0.9	0.5	0.1
20	2.4	2.5	14	4.5	5.0	3.4	2.7	1.9	1.6	0.8	0.4	0.1
21	2.5	2.4	17	4.4	4.4	3.3	2.6	1.8	1.6	0.8	0.4	0.1
22	2.5	2.4	12	4.6	4.4	3.4	2.5	1.8	1.6	0.8	0.4	0.1
23	2.5	2.4	8.2	4.8	4.4	3.4	2.6	1.7	1.5	0.8	0.4	0.2
24	2.4	2.4	6.3	4.9	4.3	3.3	2.6	1.6	1.4	0.8	0.4	0.1
25	2.3	2.3	6.1	5.0	4.3	3.3	2.6	1.6	1.4	0.7	0.4	0.1
26	2.2	2.3	5.8	5.2	4.1	3.2	2.7	1.5	1.4	0.7	0.3	0.1
27	2.2	2.3	5.5	5.2	4.0	3.1	2.7	1.6	1.4	0.6	0.3	0.1
28	2.2	3.4	5.3	4.9	4.1	3.1	2.7	1.7	1.3	0.6	0.2	0.1
29	2.2	27	4.9	4.8		3.0	2.7	1.9	1.3	0.6	0.2	0.1
30	2.2	18	4.7	4.6		2.9	2.7	2.0	1.3	0.7	0.2	0.1
31	2.2		4.5	4.4		2.8		2.2		0.7	0.2	
MEAN	2.06	3.73	7.01	4.70	4.61	3.66	2.80	2.22	1.70	0.91	0.47	0.13
ACRE-FEET	127	222	431	289	256	225	167	136	102	56	29	8

YEAR OR PERIOD MEAN 2.83
ACRE-FEET 2,050

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F83-R

DAILY DISCHARGE IN SECOND-FEET OF MISSION CREEK at San Gabriel Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.3	0.5	1.5	1.2	b 1.0	b 0.3	0	0	0	0	0
2	0.1	0.3	0.5	1.5	1.1	b 1.0	b 0.3	0	0	0	0	0
3	0.2	0.3	0.5	1.5	1.1	b 1.0	b 0.2	0	0	0	0	0
4	0.2	0.3	0.5	1.5	1.1	b 0.9	b 0.2	0	0	0	0	0
5	0.1	0.3	0.5	1.5	1.2	b 0.9	b 0.2	0	0	0	0	0
6	0.1	0.3	0.5	1.5	1.2	b 0.8	b 0.2	0	0	0	0	0
7	0.1	0.3	0.5	1.4	1.3	b 0.8	b 0.2	0	0	0	0	0
8	0.1	0.3	0.5	1.4	1.3	b 0.8	b 0.2	0	0	0	0	0
9	0.1	0.3	0.6	1.3	1.3	b 0.8	b 0.2	0	0	0	0	0
10	0.1	0.3	0.6	1.3	1.2	b 0.8	b 0.2	0	0	0	0	0
11	0.1	0.3	0.7	1.3	1.1	b 0.8	b 0.2	0	0	0	0	0
12	0.1	0.3	0.8	1.3	1.1	b 0.7	b 0.2	0	0	0	0	0
13	0.1	0.2	0.8	1.3	1.0	b 0.7	b 0.1	0	0	0	0	0
14	0.2	0.2	0.9	1.4	0.9	b 0.7	b 0.1	0	0	0	0	0
15	0.2	0.3	0.9	1.3	0.9	b 0.7	b 0.1	0	0	0	0	0
16	0.2	0.3	0.9	1.4	0.9	b 0.7	b 0.1	0	0	0	0	0
17	0.3	0.3	0.9	1.4	1.0	b 0.7	b 0.1	0	0	0	0	0
18	0.3	0.3	0.9	1.4	1.1	b 0.6	b 0.1	0	0	0	0	0
19	0.3	0.3	0.9	1.4	1.2	b 0.6	b 0.1	0	0	0	0	0
20	0.3	0.3	0.9	1.4	1.4	b 0.5	0	0	0	0	0	0
21	0.3	0.4	1.0	1.4	1.5	b 0.5	0	0	0	0	0	0
22	0.3	0.4	1.1	1.3	1.6	b 0.5	0	0	0	0	0	0
23	0.3	0.5	1.1	1.3	1.6	b 0.5	0	0	0	0	0	0
24	0.3	0.5	e 3.0	1.2	1.6	b 0.5	0	0	0	0	0	0
25	0.3	0.5	5.2	1.2	1.6	b 0.5	0	0	0	0	0	0
26	0.3	0.5	4.6	1.2	1.6	b 0.5	0	0	0	0	0	0
27	0.3	0.5	4.0	1.2	1.5	b 0.5	0	0	0	0	0	0
28	0.3	0.5	3.8	1.2	1.4	b 0.5	0	0	0	0	0	0
29	0.3	0.5	3.5	1.2	1.3	b 0.5	0	0	0	0	0	0
30	0.4	0.5	2.2	1.2		b 0.4	0	0	0	0	0	0
31	0.4		1.8	1.2		b 0.4		0		0	0	
MEAN	0.22	0.35	1.45	1.34	1.25	0.67	0.11	0	0	0	0	0
ACRE-FEET	13	21	89	83	72	41	6.6	0	0	0	0	0

YEAR OR PERIOD MEAN 2.45
ACRE-FEET 326

160 STATION DATA SUMMARY

STA. NO. F85-R
MISSION CREEK AT SAN GABRIEL BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	20	14	17.0	12290	2	3	20
1930-31	37	12	16.3	11820	2	4	49
1931-32	37	13	16.7	12120	2	8	44
1932-33	32	11	16.2	11720	1	29	51
1933-34	84	7.6	12.5	9030	1	1	166
1934-35	18	9.0	12.6	9140	4	8	32
1935-36	26	9.5	13.5	9810	2	12	38
1936-37	51	10	15.0	10840	2	14	84
1937-38	*	15	19.6*	14220*			*
1938-39	77	19	22.5	16320	9	25	118
1939-40	52	15	22.3	16210	1	8	74
1940-41	86	17	25.1	18120	3	4	104
1941-42	43	20	25.9	18740	12	10	68
1942-43	101	19	24.0	17410	1	22	252
1943-44	176	20	26.0	18850	2	22	336
1944-45	53	18	24.9	18010	11	12	76
1945-46	52	17	21.6	15630	12	23	67
1946-47	45	15	19.7	14230	12	25	80
1947-48	33	13	17.4	12670	12	5	51
1948-49	24	10	14.7	10640	1	20	27
1949-50	19	7.5	12.1	8780	1	8	26
1950-51	13	5.3	9.3	6700	1	29	13
1951-52	35	4.1	8.4	6090	1	18	71
1952-53	13	4.6	8.5	6170	1	24	14
1953-54	8.5	2.0	4.9	3580			N.D.
1954-55	8.7	0.9	4.3	3100	1	18	12
1955-56	10	0.8	3.2	2310	1	27	10E
1956-57	8.2	+	2.5	1840	11	15	8.9
1957-58	8.0	0.1	3.7	2660	2	19	16
1958-59	12	1.5	5.4	3920	1	6	20
1959-60	5.3	0.3	3.0	2160	2	1	6.8
1960-61	2.0	0	0.8	606	2	9	2.0
1961-62	12	0	1.2	902	2	11	24
1962-63	3.5	0	1.1	788	2	9	16
1963-64	0.1	0	+	0.2	11	20	1.0
1964-65	0.2	0	+	0.6	4	9	1.9
1965-66	4.0	0	0.2	120	12	29	4.0
1966-67	13	0	3.2	2340	4	22	14
1967-68	25	0.8	4.6	3340	3	8	31
1968-69	39	2.3	7.6	5540			N.D.
1969-70	24	1.4	5.8	4230	3	4	30
1970-71	27	+	2.8	2050	11	29	34
1971-72	5.2	0	0.4	326	12	24	5.5

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 92 - R
SANTA CLARA RIVER
at Old Highway Bridge

drainage area

RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 410.4 square miles

LOCATION - downstream side of Old Highway bridge, 3.0 miles west of Saugus

REGULATION - partially regulated by Bouquet Canyon and Dry Canyon Reservoirs

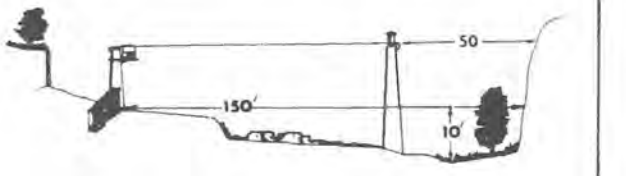
CHANNEL - sand and gravel with brush, natural section

CONTROL - none

LENGTH OF RECORD -
at Station F92-R, January 18, 1930 to March 28, 1938
September 24, 1956 to date
at Station F92B-R, October 1, 1938 to September 24, 1956

REMARKS - subject to diversions for irrigation

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F92-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER at Old Highway Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 14	e 23	e 8.4	e 10	e 7.5	e 164	e 11	e 15	e 14	e 14	e 13	e 7.0
2	e 14	e 23	e 8.6	e 9.0	e 7.6	e 65	e 11	e 15	e 16	e 15	e 13	e 6.2
3	e 15	e 24	e 8.8	e 9.0	e 7.6	e 117	e 11	e 15	e 18	e 16	e 13	e 5.4
4	e 16	e 24	e 9.1	e 8.0	e 7.7	e 14	e 12	e 14	e 19	e 17	e 13	e 5.8
5	e 17	e 24	e 9.1	e 8.0	e 7.7	e 13	e 12	e 14	e 18	e 18	e 13	e 6.3
6	e 18	e 30	e 9.1	e 7.0	e 7.8	e 12	e 13	e 14	e 17	e 19	e 13	e 6.7
7	e 19	e 5.0	e 9.1	e 7.0	e 6.6	e 11	e 13	e 14	e 16	e 20	e 13	e 7.1
8	e 20	e 4.0	e 9.1	e 6.8	e 5.4	e 10	e 14	e 13	e 15	e 21	e 13	e 7.6
9	e 22	e 3.0	e 46	e 6.8	e 4.2	e 9.0	e 14	e 12	e 14	e 22	e 13	e 8.0
10	e 21	e 3.0	e 139	e 6.9	e 3.0	e 9.0	e 14	e 11	e 13	e 21	e 13	e 8.4
11	e 21	e 3.0	e 12	e 7.0	e 1.6	e 9.0	e 14	e 10	e 12	e 20	e 13	e 7.2
12	e 20	e 3.0	e 12	e 7.0	e 1.6	e 8.7	e 13	e 9.0	e 12	e 19	e 13	e 6.0
13	e 20	e 3.1	e 12	e 7.1	e 1.5	e 9.0	e 13	e 9.0	e 13	e 18	e 13	e 5.0
14	e 19	e 3.1	e 13	e 7.1	e 1.5	e 9.0	e 12	e 8.8	e 14	e 17	e 13	e 4.0
15	e 19	e 3.2	e 13	e 7.2	e 1.5	e 10	e 11	e 9.0	e 15	e 16	e 13	e 3.0
16	e 19	e 3.1	e 14	e 9.9	e 1.4	e 10	e 10	e 9.0	e 16	e 16	e 12	3.0
17	e 18	e 22	e 14	e 9.2	e 1.4	e 10	e 9.6	e 10	e 17	e 16	e 12	2.0
18	e 19	e 22	e 14	e 8.5	e 1.4	e 11	e 9.1	e 10	e 18	e 16	e 12	3.0
19	e 19	e 22	e 14	e 7.8	e 1.4	e 11	e 8.7	e 11	e 18	e 15	e 12	4.0
20	e 20	e 20	e 14	e 7.1	e 1.3	e 11	e 8.3	e 11	e 17	e 15	e 12	2.0
21	e 18	e 19	e 13	e 6.4	e 1.3	e 11	e 7.8	e 11	e 17	e 15	e 12	1.0
22	e 18	e 18	e 13	e 5.8	e 1.2	e 11	e 7.3	e 11	e 17	e 14	e 12	1.0
23	e 18	e 13	e 13	e 6.0	e 1.2	e 11	e 6.8	e 10	e 16	e 14	e 11	7.0
24	e 18	e 11	e 13	e 6.2	e 1.1	e 12	e 8.0	e 10	e 16	e 14	e 11	9.0
25	e 19	e 9.6	e 12	e 6.4	e 1.1	e 12	e 9.0	e 9.0	e 16	e 14	e 11	8.0
26	e 19	e 7.3	e 12	e 6.6	e 1.0	e 12	e 10	e 9.0	e 16	e 14	e 11	7.0
27	e 20	e 7.5	e 12	e 6.8	e 1.0	e 12	e 12	e 8.2	e 16	e 13	e 11	6.0
28	e 21	e 7.7	e 11	e 7.0	e 132	e 12	e 33	e 8.2	e 15	e 13	e 10	5.0
29	e 22	e 8.0	e 11	e 7.3		e 12	e 14	e 9.7	e 15	e 13	e 9.4	5.0
30	e 23	e 8.2	e 11	e 7.4		e 12	e 15	e 11	e 14	e 13	e 8.6	5.0
31	e 23		e 10	e 7.5		e 11		e 12		e 13	e 7.8	

	5.6	12.2	16.8	7.41	7.84	21.0	13.8	11.1	15.7	16.2	11.9	5.45
	1,165	747	1,030	456	436	1,290	823	680	932	994	733	324

YEAR OR PERIOD MEAN 13.3
ACRE-FEET 9,610

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F92-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER at Old Highway Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	6.0	6.0	5.0	10	4.0	b 6.0	1.0	2.0	4.0	7.0	9.0	7.0
2	4.0	8.0	9.0	10	2.0	b 5.0	1.0	3.0	5.0	6.0	10	6.0
3	4.0	9.0	2.0	9.0	2.0	b 5.0	1.0	3.0	6.0	5.0	12	4.0
4	4.0	9.0	2.0	9.0	3.0	b 5.0	1.0	4.0	4.0	4.0	10	4.0
5	7.0	3.0	2.0	9.0	4.0	b 5.0	4.0	3.0	5.0	3.0	10	1.0
6	10	2.0	2.0	10	5.0	b 5.0	3.0	4.0	1.0	4.0	9.0	7.0
7	9.0	1.0	3.0	9.0	5.0	b 4.9	3.0	3.0	6.0	3.0	10	6.0
8	7.0	1.0	2.0	9.0	7.0	b 4.9	2.0	4.0	3.0	5.0	9.0	6.0
9	5.0	5.0	12	9.0	104	b 4.8	3.0	6.0	3.0	4.0	10	7.0
10	3.0	4.0	4.0	9.0	b 6.0	b 4.8	3.0	10.0	5.0	3.0	12	4.0
11	1.0	4.0	3.0	d 10	b 5.0	b 4.8	4.0	13	5.0	7.0	9.0	4.0
12	1.0	3.0	2.0	19	b 5.0	b 4.8	5.0	13	6.0	7.0	8.0	4.0
13	v 2.0	2.0	2.0	b 3.0	b 5.0	b 4.8	3.0	12	6.0	10	8.0	5.0
14	10	2.0	2.0	b 2.0	b 5.0	b 4.9	24	14	6.0	9.0	7.0	9.0
15	7.0	1.0	2.0	2.0	b 5.0	b 4.9	9.0	12	8.0	9.0	7.0	4.0
16	9.0	2.0	9.0	2.0	b 9.0	b 4.9	8.0	9.0	10	12	7.0	7.0
17	4.0	3.0	8.0	2.0	b 13	b 5.0	7.0	9.0	8.0	12	d 7.0	7.0
18	4.0	3.0	371	2.0	b 8.0	b 5.0	5.0	10	8.0	13	d 7.0	0.5
19	4.0	3.0	252	2.0	b 8.0	b 5.0	5.0	10	8.0	13	d 7.0	0.5
20	4.0	3.0	45	2.0	b 7.0	b 5.0	5.0	14	10	13	d 7.0	4.0
21	3.0	3.0	587	1.0	b 7.0	b 5.0	5.0	13	13	10	d 8.0	3.0
22	3.0	3.0	14	4.0	b 6.0	b 5.0	3.0	10	13	10	d 8.0	1.0
23	4.0	4.0	12	4.0	b 6.0	b 5.0	3.0	8.0	12	10	d 8.0	0.5
24	9.0	5.0	12	4.0	b 6.0	b 4.4	2.0	12	7.0	9.0	d 8.0	0.5
25	13	7.0	12	6.0	b 6.0	b 4.5	0.5	10	6.0	12	d 8.0	1.0
26	16	4.0	12	6.0	b 6.0	3.0	0.5	10	7.0	9.0	7.0	0.5
27	10	2.0	12	7.0	b 6.0	1.0	1.0	7.0	7.0	10	7.0	0.5
28	9.0	153	12	6.0	b 6.0	1.0	4.0	5.0	6.0	10	6.0	1.0
29	10	1,830	12	6.0	b 6.0	1.0	2.0	4.0	7.0	9.0	5.0	d 1.0
30	6.0	12	10	4.0		2.0	2.0	4.0	7.0	10	8.0	d 1.0
31	6.0		10	4.0		1.0		4.0		7.0	7.0	
MEAN	6.25	69.9	45.6	6.16	9.20	4.27	4.00	7.90	6.73	8.23	8.23	3.57
ACRE-FEET	385	4,160	2,860	379	530	263	238	486	401	506	506	212

YEAR OR PERIOD MEAN 15.1
ACRE-FEET 10,930

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F92-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER at Old Highway Bridge FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	d 0.5	7.0	10	b 3.0	3.0	12	3.0	10	8.0	9.0	4.0	2.0
2	5.0	7.0	12	b 3.0	6.0	10	5.0	9.0	8.0	d 8.0	7.0	d 2.0
3	4.0	6.0	13	b 3.0	5.0	10	3.0	6.0	9.0	d 7.0	6.0	d 2.0
4	12	2.0	6.0	b 3.0	4.0	3.0	3.0	6.0	8.0	6.0	6.0	d 2.0
5	12	1.0	6.0	b 3.0	2.0	2.0	3.0	4.0	7.0	5.0	1.0	d 2.0
6	12	1.0	20	b 2.0	3.0	5.0	6.0	4.0	b 6.0	6.0	1.0	d 2.0
7	18	1.0	20	b 2.0	7.0	5.0	7.0	4.0	4.0	9.0	1.0	2.0
8	10	9.0	19	b 2.0	7.0	6.0	7.0	4.0	5.0	d 8.0	6.0	1.0
9	3.0	10	19	b 2.0	7.0	9.0	7.0	3.0	7.0	d 7.0	2.0	2.0
10	2.0	13	20	b 2.0	5.0	12	b 8.0	4.0	5.0	d 7.0	2.0	6.0
11	8.0	14	12	b 2.0	4.0	10	b 9.0	4.0	5.0	d 7.0	d 2.0	7.0
12	8.0	19	14	b 2.0	5.0	9.0	10	5.0	8.0	d 7.0	d 2.0	4.0
13	8.0	12	20	b 2.0	5.0	13	12	6.0	12	d 7.0	d 2.0	3.0
14	8.0	30	20	b 2.0	8.0	14	19	6.0	14	d 7.0	d 2.0	1.0
15	9.0	19	20	b 2.0	8.0	10	10	6.0	d 14	d 7.0	2.0	2.0
16	6.0	16	14	b 1.0	7.0	7.0	9.0	6.0	d 15	d 7.0	1.0	1.0
17	6.0	19	14	b 1.0	10	9.0	21	3.0	b 15	d 7.0	3.0	d 2.0
18	10	12	9.0	b 1.0	10	6.0	b 14	5.0	b 16	d 6.0	1.0	3.0
19	6.0	12	9.0	b 1.0	13	5.0	b 10	9.0	16	6.0	1.0	1.0
20	14	5.0	19	1.0	14	6.0	b 9.0	8.0	20	8.0	1.0	7.0
21	12	6.0	19	1.0	10	5.0	b 8.0	12	19	1.0	1.0	2.0
22	3.0	14	89	2.0	10	3.0	b 7.0	8.0	18	1.0	5.0	2.0
23	6.0	16	16	1.0	10	3.0	b 6.0	8.0	14	2.0	1.0	d 2.0
24	3.0	16	30	1.0	10	4.0	b 5.0	8.0	12	2.0	1.0	d 2.0
25	9.0	4.0	136	2.0	10	2.0	3.0	8.0	9.0	8.0	d 1.0	2.0
26	3.0	1.0	25	2.0	10	5.0	4.0	8.0	12	6.0	d 2.0	1.0
27	8.0	2.0	442	1.0	8.0	8.0	12	8.0	14	6.0	d 2.0	3.0
28	8.0	2.0	119	3.0	9.0	e 7.0	18	8.0	13	5.0	3.0	2.0
29	7.0	9.0	b 4.0	3.0	13	e 5.0	12	8.0	14	3.0	6.0	1.0
30	7.0	7.0	b 4.0	3.0		e 3.0	8.0	7.0	14	1.0	3.0	d 1.0
31	1.0		b 4.0	3.0		2.0		9.0		4.0	2.0	
MEAN	7.72	9.73	38.2	2.00	7.69	6.77	8.60	6.58	11.4	5.80	3.58	2.40
ACRE-FEET	475	579	2,350	123	442	416	512	405	676	357	159	143

YEAR OR PERIOD MEAN 9.17
ACRE-FEET 6,640

STATION DATA SUMMARY

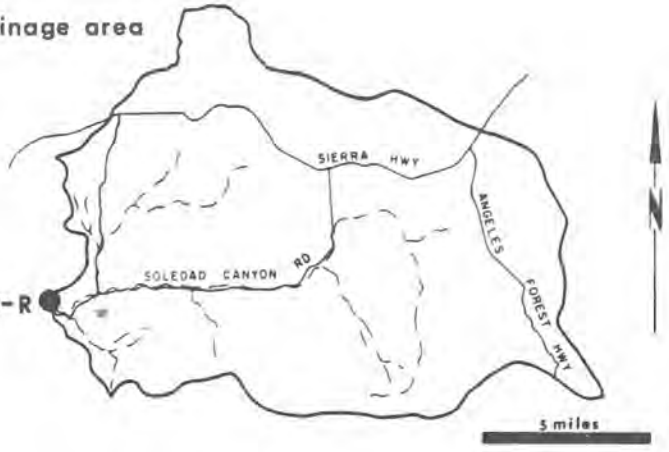
STA. NO. F92-R
SANTA CLARA RIVER AT OLD HIGHWAY BRIDGE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1929-30	83	0.2	1.1	793	3	15	193
1930-31	291	0.1	2.6	1890	2	7	2310
1931-32	739	0.1	5.9	4280	2	9	2090
1932-33	90	0	0.7	488	1	19	618
1933-34	448	+	2.2	1600	1	1	3870
1934-35	82	+	1.5	1090	1	5	608
1935-36	113	0	2.2	1590	2	23	833
1936-37	471	0	6.7	4850	12	27	3410
1937-38	6370	+	37.2	26900	3	2	24000E
1938-39B	435E	+	14.4	10410	12	15	4620
1939-40	79	0.3	2.2	1570	2	1	676
1940-41	3450	0.3	57.1	41320	3	4	5050
1941-42	167	0.6	32.3	23400	12	28	443
1942-43	5420	1.4	65.2	47170	1	23	15000
1943-44	9360	2.0	68.6	49770	2	22	22200
1944-45	110	2.2	15.3	11050	2	2	317
1945-46	194	0.4	8.9	6440	3	30	500
1946-47	371	1.0	15.4	11150	12	26	1620
1947-48	33E	0.8	3.1	2270	3	24	350E
1948-49	4.9	0.4	1.8	1300	3	11	9.9
1949-50	5.2	0.1	1.2	888	2	6	8.5
1950-51	2.0	+	0.3	217	1	29	6.2
1951-52	1620	+	23.1	16760	1	16	7600
1952-53	43	0.1	0.8	592	12	1	N.D.
1953-54	104	+	1.6	1160	1	19	626
1954-55	96	+	0.8	612	1	18	746
1955-56	184	+	1.4	1000	1	26	344
1956-57A	195	0	1.4	1020	2	28	1920
1957-58	1440	0	14.7	10620	4	3	3850
1958-59	215	0	1.3	940	1	6	1410
1959-60	12	0	0.4	288	4	27	151
1960-61	58	0	0.7	533	11	5	830
1961-62	1690	0	14.5	10470	2	12	4250
1962-63	105	0	1.3	965	3	16	1470
1963-64	85	0	1.1	780	1	22	860
1964-65	240	0	2.1	1550	4	8	1260
1965-66	3200	0	22.0	15990	12	29	11600
1966-67	820	+	9.8	7100	1	24	3000
1967-68	475	0	4.2	3070	11	19	2810
1968-69	N.D.	0.2	**	30170E	2	25	31800E
1969-70	164	1.0	13.3	9610	3	1	900
1970-71	1830	0.5	15.1	10930	11	29	8150
1971-72	442	0.5	9.2	6640	12	27	2200

** = STATION DESTROYED BY FLOOD OF 2-25-69.
A = RECORD BEGAN AT ORIGINAL LOCATION 10-25-29 TO 03-28-38.
RECORD RETURNED TO ORIGINAL LOCATION 10-04-56 TO PRESENT.
B = RECORD BEGAN AT B LOCATION 10-01-38.
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
* = RECORD INCOMPLETE
N.D. = NOT DETERMINED

STATION NO. F 93B-R
SANTA CLARA RIVER
above Lang R.R. Station

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 157.3 square miles

LOCATION – 0.7 mile above Lang Railroad Station, at railroad bridge, 15.0 miles northeast of Newhall

REGULATION – none

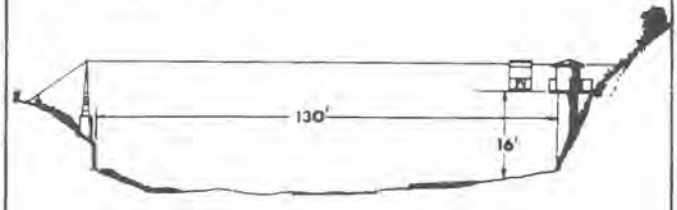
CHANNEL – sand, gravel, and rock, natural section

CONTROL – none

LENGTH OF RECORD – April 3, 1970, to date

REMARKS – Station F93-R, located 0.25 mile below Station F93B-R, is maintained for high flows. It has daily records available for the Seasons 1949-1968, as shown in the summary. Mean daily flows at Station F93B-R are shown on this and the following page.

cross-section
STA. F93-R



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F93B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER above Lang Railroad Station FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 5.1	e 5.3	e 4.5	e 6.8	e 5.6	e 60	e 8.5	e 5.2	e 2.4	e 0.7	e 0.2	0.3
2	e 5.1	e 5.3	e 4.6	e 6.6	e 5.8	e 53	e 8.5	e 5.4	e 2.4	e 0.8	e 0.2	0.3
3	e 4.8	e 5.3	e 4.7	e 6.4	e 6.0	e 40	e 8.5	e 5.7	e 2.1	e 0.8	e 0.1	0.3
4	e 4.6	e 5.3	e 4.9	e 6.3	e 6.1	e 30	e 8.5	e 7.0	e 2.4	e 0.6	e 0.2	0.3
5	e 4.4	e 5.3	e 4.9	e 6.2	e 6.3	e 38	e 8.2	e 7.2	e 1.4	e 0.5	e 0.2	0.3
6	e 3.9	e 10	e 5.0	e 6.1	e 6.5	e 34	e 8.2	e 6.5	e 1.4	e 0.5	e 0.2	0.3
7	e 3.6	e 9.6	e 5.0	e 6.0	e 6.5	e 31	e 8.2	e 5.9	e 1.6	e 0.5	e 0.2	0.3
8	e 3.5	e 9.0	e 5.1	e 6.0	e 6.5	e 28	e 8.0	e 4.6	e 1.9	e 0.4	e 0.4	0.3
9	e 3.6	e 8.4	e 5.1	e 6.3	e 8.9	e 24	e 7.8	e 3.7	e 2.1	e 0.4	e 0.5	0.3
10	e 3.6	e 7.8	e 5.2	e 6.6	e 25	e 20	e 7.8	e 3.5	e 2.2	e 0.2	e 0.5	0.3
11	e 3.7	e 7.2	e 5.2	e 7.0	e 18	e 17	e 7.2	e 4.4	e 1.9	e 0.3	e 0.5	0.3
12	e 3.8	e 6.6	e 5.2	e 7.2	e 14	e 14	e 7.2	e 3.9	e 1.8	e 0.4	e 0.6	0.3
13	e 4.0	e 6.0	e 5.3	e 7.6	e 8.9	e 13	e 7.2	e 3.3	e 2.0	e 0.4	e 0.8	0.2
14	e 4.1	e 5.9	e 5.5	e 7.9	e 8.6	e 12	e 7.2	e 3.1	e 1.9	e 0.4	e 1.1	0.2
15	e 4.2	e 5.8	e 5.7	e 8.2	e 8.4	e 12	e 7.2	e 1.9	e 2.8	e 0.4	e 1.2	0.2
16	e 4.4	e 5.7	e 5.8	e 8.1	e 8.2	e 12	e 7.2	e 1.5	e 2.6	e 0.2	e 1.2	0.3
17	e 4.4	e 5.6	e 5.9	e 8.0	e 7.9	e 11	e 7.2	e 1.4	e 2.6	e 0.2	e 0.9	0.3
18	e 4.6	e 5.5	e 6.0	e 7.8	e 7.6	e 10	e 6.5	e 1.5	e 2.6	e 0.1	e 0.8	0.3
19	e 4.7	e 5.5	e 6.1	e 7.6	e 7.4	e 9.9	e 6.1	e 1.3	e 2.0	e 0.1	e 0.8	0.3
20	e 4.8	e 5.4	e 6.1	e 7.5	e 7.5	e 9.9	e 6.5	e 1.9	e 1.4	e 0.2	e 0.8	0.2
21	e 5.0	e 5.0	e 6.2	e 7.3	e 7.6	e 10	e 6.5	e 1.8	e 1.5	e 0.1	e 0.9	0.2
22	e 5.1	e 4.8	e 6.2	e 7.1	e 7.7	e 10	e 6.1	e 1.6	e 2.2	e 0.1	e 0.9	0.2
23	e 5.2	e 4.6	e 6.3	e 6.8	e 7.8	e 10	e 5.7	e 1.5	e 1.8	e 0.1	e 0.8	0.2
24	e 5.2	e 4.4	e 6.4	e 6.5	e 8.0	e 10	e 5.2	e 1.5	e 1.3	e 0.1	e 0.6	0.2
25	e 5.2	e 4.3	e 6.5	e 6.2	e 8.1	e 10	e 5.2	e 2.4	e 1.2	e 0.1	e 0.4	0.2
26	e 5.2	e 4.1	e 6.6	e 6.0	e 8.2	e 10	e 5.2	e 2.5	e 1.6	e 0.1	0.4	0.3
27	e 5.2	e 4.2	e 6.7	e 5.6	e 8.2	e 10	e 5.4	e 2.1	e 1.2	e 0.1	0.4	0.3
28	e 5.2	e 4.3	e 6.8	e 5.3	e 20	e 10	e 5.4	e 2.1	e 0.8	e 0.1	0.4	0.3
29	e 5.3	e 4.4	e 7.0	e 5.1		e 10	e 5.4	e 2.1	e 1.2	e 0.1	0.4	0.3
30	e 5.3	e 4.4	e 7.1	e 5.2		e 10	e 5.4	e 2.1	e 0.9	e 0.2	0.3	0.2
31	e 5.3		e 7.0	e 5.4		e 10		e 2.5		e 0.2	0.3	

MEAN	4.58	5.84	5.76	6.67	9.12	19.9	6.91	3.26	1.84	0.30	0.56	0.27
ACRE-FEET	282	348	354	410	506	1,170	411	201	109	19	34	16

YEAR OR PERIOD MEAN 5.34
ACRE-FEET 3,860

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F93B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER above Lang Railroad Station FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	a 0.1	1.0	b 29	13	6.9	11	6.9	5.0	5.6	1.9	0.3	0.1
2	a 0.1	1.2	b 27	14	6.9	9.8	6.2	4.3	6.2	1.0	0.3	0.1
3	a 0.1	1.2	b 25	13	6.9	9.8	6.2	5.0	3.0	e 1.0	1.0	0.1
4	a 0.1	1.4	b 23	13	6.9	9.8	6.2	5.0	3.0	e 1.0	1.0	+
5	a 0.1	1.4	b 21	12	6.9	9.8	6.2	5.0	2.4	e 0.9	1.0	+
6	a 0.1	1.2	b 19	12	6.9	9.8	6.2	5.0	1.9	e 0.9	1.0	+
7	a 0.1	1.2	b 17	11	6.9	9.8	6.2	5.0	3.0	e 0.9	1.0	+
8	a 0.1	1.4	b 15	11	6.9	9.8	5.6	5.0	3.7	e 0.8	0.7	0.1
9	a 0.1	1.2	b 12	11	11	9.8	4.3	5.0	4.3	e 0.8	0.5	0.1
10	a 0.1	1.4	b 9.0	11	9.8	11	5.6	5.0	5.0	e 0.8	0.5	0.1
11	a 0.1	1.4	b 7.8	11	8.8	11	6.2	5.6	5.0	e 0.7	0.5	0.1
12	a 0.1	1.4	b 6.8	12	8.8	11	6.2	5.6	3.7	e 0.7	0.5	0.1
13	0.2	1.0	b 6.0	11	8.8	14	6.2	5.0	3.7	e 0.6	0.5	0.1
14	0.2	0.2	b 5.5	11	8.8	11	7.5	2.4	3.7	e 0.6	0.2	0.1
15	0.2	0.2	b 5.0	11	8.8	11	7.5	1.2	2.4	e 0.5	0.2	0.1
16	0.5	1.2	b 4.5	11	11	9.8	7.5	1.4	2.2	e 0.5	0.2	0.1
17	0.5	1.0	b 4.5	11	13	8.8	8.2	2.4	1.9	e 0.5	0.2	0.1
18	0.1	1.0	b 6.0	9.8	11	8.2	8.2	3.7	1.7	e 0.5	0.2	0.1
19	0.1	0.5	40	9.8	11	8.2	7.5	4.3	1.4	2.2	0.2	0.1
20	0.5	0.5	7.5	8.8	11	7.5	8.2	3.7	1.0	1.9	0.2	0.1
21	0.5	0.5	153	8.8	11	7.5	7.5	3.7	1.0	1.7	0.2	0.1
22	0.5	+	49	9.8	11	6.9	7.5	4.3	1.0	1.7	0.2	0.1
23	0.7	0.2	b 30	8.2	11	7.5	6.9	3.7	0.7	1.4	0.2	0.1
24	0.7	0.2	b 25	8.2	11	7.5	6.2	3.7	0.7	1.2	0.2	0.1
25	0.5	0.5	b 22	7.5	11	7.5	6.9	3.0	1.2	1.4	0.2	0.1
26	1.4	0.7	b 20	6.9	11	7.5	7.5	3.7	1.0	1.7	0.2	0.1
27	1.4	0.5	b 19	6.9	11	7.5	6.9	4.3	1.4	2.4	0.2	0.1
28	1.2	3.1	b 18	6.9	11	6.9	6.2	5.6	8.8	3.0	0.2	0.1
29	1.0	195	b 17	6.9		6.9	6.2	5.0	2.4	0.7	0.2	0.1
30	1.0	b 31	b 16	6.9		6.9	5.6	5.0	1.2	0.7	0.2	0.1
31	1.0		15	6.2		6.9		5.6		0.7	0.2	
MEAN	0.43	8.42	21.8	10.0	9.42	9.05	6.67	4.26	2.80	1.55	0.40	0.05
ACRE-FEET	26	501	1,340	610	520	560	400	260	170	95	25	3.0

YEAR OR PERIOD MEAN 6.22
ACRE-FEET 4,510

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F93B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER above Lang at R.R. Station FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	4.3	3.0	8.2	5.0	a 3.0	1.4	1.2	0.5	0.5	0.1	+
2	0.1	4.3	2.4	7.5	5.0	a 3.0	2.2	1.2	0.5	0.5	0.1	+
3	0.1	3.0	2.4	6.9	5.0	a 3.0	2.2	1.0	0.5	0.5	d 0.1	+
4	0.1	2.4	2.4	6.9	5.0	a 3.0	1.7	1.0	0.5	0.5	d 0.1	+
5	0.2	3.0	2.4	6.9	6.2	a 3.0	1.9	1.0	0.7	0.5	d 0.1	+
6	0.2	3.0	1.9	5.6	6.2	a 2.6	1.9	1.0	0.5	0.5	d 0.1	+
7	0.5	3.0	1.9	5.6	5.6	a 2.6	1.7	1.0	0.5	0.5	d 0.1	0
8	0.2	3.0	1.9	5.0	5.0	a 2.6	1.7	1.0	0.5	0.5	d 0.1	+
9	0.2	3.0	1.9	5.0	5.0	a 2.6	1.7	1.0	0.5	0.5	d 0.1	+
10	0.2	3.0	1.9	5.0	4.3	a 2.6	1.7	0.7	0.5	0.5	d 0.1	0
11	0.2	3.0	1.9	5.0	4.3	a 2.6	1.7	0.7	0.5	0.7	d 0.1	0
12	0.2	4.3	1.9	5.0	4.3	a 2.6	1.4	0.7	0.5	0.7	d 0.1	0
13	0.2	3.7	1.9	5.6	3.7	a 2.4	1.4	0.7	0.2	0.5	d 0.1	0
14	0.1	3.7	1.9	5.0	3.7	2.4	1.4	0.7	0.2	0.5	d 0.1	0
15	0.1	4.3	1.9	5.0	3.0	2.4	1.4	0.7	0.5	0.5	d 0.1	+
16	0.1	3.7	1.9	5.0	2.4	2.4	1.4	0.7	0.5	0.5	d 0.1	+
17	0.1	3.7	1.9	5.0	3.7	2.4	1.4	0.7	0.5	0.7	d 0.1	+
18	0.1	3.7	1.4	4.3	3.7	1.9	1.4	0.5	0.5	0.7	d 0.1	+
19	0.1	3.7	1.4	5.6	3.7	1.7	1.4	0.2	0.2	0.7	d 0.1	+
20	0.1	3.0	1.7	5.0	3.7	0.4	1.2	d 0.2	0.2	0.7	d 0.1	0
21	0.1	3.0	1.7	5.0	4.3	1.4	1.2	0.2	0.2	0.7	d 0.1	0
22	0.1	3.7	2.2	5.0	5.0	1.7	1.2	1.0	0.2	0.7	d 0.1	0
23	0.1	3.7	0.2	5.0	4.3	1.4	1.2	1.2	0.2	0.7	d 0.1	0
24	0.1	3.7	22	5.0	4.3	1.4	1.2	1.7	0.2	0.7	d 0.1	0
25	0.1	3.0	28	5.0	a 4.3	1.7	1.2	1.0	0.2	0.7	d 0.1	0
26	0.1	3.0	30	5.0	a 3.7	1.9	1.2	0.7	0.2	0.5	d 0.1	0
27	1.0	3.0	33	5.0	a 3.7	1.7	1.2	0.7	0.2	0.2	d 0.1	0
28	1.4	3.0	23	4.3	a 3.0	1.7	1.2	0.7	0.2	0.2	d 0.1	0
29	2.2	3.0	14	5.0	a 3.0	1.7	1.7	0.7	0.2	0.2	d 0.1	0
30	2.4	3.0	9.8	5.0		1.2	1.7	0.7	0.2	0.2	+	0
31	4.3		8.8	5.0		0.2		0.7		0.1	+	
MEAN	0.49	3.36	7.50	5.50	4.28	2.12	1.51	0.81	0.37	0.52	0.09	+
ACRE-FEET	30	200	422	332	246	130	90	50	22	32	5.8	+

YEAR OR PERIOD MEAN 2.21
ACRE-FEET 1,560

STATION DATA SUMMARY

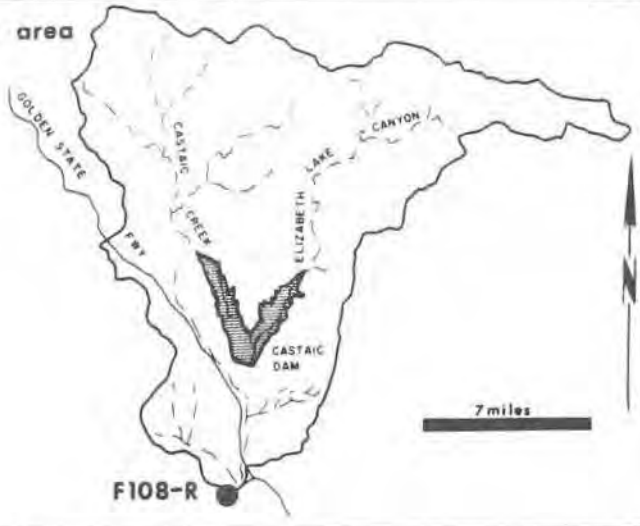
STA. NO. F93B-R
SANTA CLARA RIVER AT LANG RAILROAD BRIDGE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1949-50	5.2	0.8	1.5	1110	2	6	6.0
1950-51	1.7	0.6	1.1	774	4	28	2.0
1951-52	1280	0.5	29.3	21230	1	16	4200
1952-53	9.0	1.2	3.1	2250	11	15	39
1953-54	18	1.0	2.8	2000	1	25	29
1954-55	4.8	1.0	1.8	1270	1	18	5.8
1955-56	4.0	1.0	1.5	1100	4	13	5.0
1956-57	1.6	0.9	1.3	906	1	12	1.7
1957-58	509	1.0	14.5	7340	4	3	1260
1958-59	21	1.1	2.5	1780	1	6	40
1959-60	1.3	0.9	1.1	807	VARIOUS		1.3
1960-61	46	0.3	1.4	980	11	6	500 E
1961-62	308	0.2	5.8	4190	2	11	500
1962-63	4.6	1.1	1.6	1160	2	9	60
1963-64	1.2	0.6	1.0	697	1	22	70
1964-65	5.9	0.3	0.6	432	4	9	35
1965-66	942	0.4	12.7	9240	12	29	4040
1966-67	90	0.8	11.4	8270	1	24	265
1967-68	38	0.3	2.8	2000	11	21	200
1968-69	NO RECORD				2	25	5900E
1969-70	60	0.1	5.3	3860	3	1	200 E
1970-71	195	*	6.2	4510	11	29	620
1971-72	33	0	2.2	1600	12	25	79

B = RECORD BEGAN AT B LOCATION 04-03-70.
E = ESTIMATE

STATION NO. F 108 - R
CASTAIC CREEK
at Highway 126

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 202.5 square miles

LOCATION – 1.5 miles west of junction of Highway 126 and Highway 5, about 6.0 miles northwest of Saugus

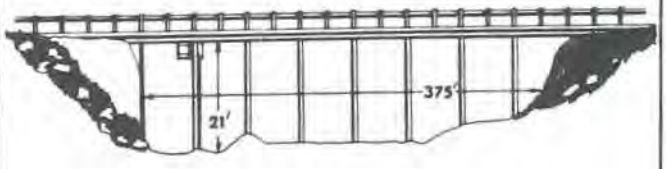
REGULATION – none

CHANNEL – sand and gravel, natural section

CONTROL – channel forms control

LENGTH OF RECORD – December 27, 1945, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F108-R

DAILY DISCHARGE IN SECOND-FEET OF CASTAIC CREEK at Highway 126 FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	b 8.2	b 9.0	b 9.2	8.0	3.9	78	b 9.7	3.9	d 5.7	d 6.4	d 4.0	d 5.7
2	b 8.2	b 9.3	b 9.1	6.6	3.2	60	6.6	6.6	d 6.0	d 6.3	d 4.0	d 5.8
3	b 8.4	b 9.6	b 9.0	4.6	3.2	45	6.6	6.6	d 6.3	d 6.2	d 4.1	d 5.8
4	b 8.5	b 10.0	b 9.0	3.9	3.9	49	7.3	10.3	d 6.7	d 6.2	d 4.1	d 5.3
5	b 8.6	b 10.3	b 8.8	3.2	7.3	55	10.3	8.7	d 6.4	d 6.1	d 4.2	d 4.9
6	b 8.7	b 10.6	b 8.6	3.9	6.6	76	8.7	5.9	d 6.2	d 6.0	d 4.2	d 4.6
7	b 8.8	b 10.7	b 8.5	a 3.9	d 4.9	43	7.3	5.2	d 5.9	d 5.9	d 4.5	d 4.3
8	b 9.0	b 10.9	b 8.3	a 3.9	3.2	36	3.9	3.9	d 5.6	d 5.8	d 4.8	d 4.0
9	b 9.2	b 11.0	b 8.1	3.9	13.1	30	d 5.0	d 3.9	d 5.4	d 5.7	d 5.1	d 3.7
10	b 8.8	b 11.2	b 7.9	15.4	112	25	d 6.0	d 4.0	d 5.1	d 5.8	d 5.4	d 3.4
11	b 8.4	b 11.3	b 7.7	d 14.0	68	21	d 7.0	d 4.0	d 4.9	d 5.9	d 5.7	d 3.5
12	b 8.0	b 11.4	b 8.0	d 13.0	36	22	8.0	d 4.0	d 5.1	d 6.0	d 6.0	d 3.6
13	b 7.6	b 11.6	b 8.4	d 12.0	b 31	22	8.7	d 4.1	d 5.2	d 6.2	d 6.1	d 3.7
14	b 7.2	b 10.7	b 8.7	d 11.0	b 26	18.2	4.6	d 4.1	d 5.4	d 6.3	d 6.1	d 3.8
15	b 6.7	b 10.0	b 9.0	d 10.0	b 21	18.2	3.2	d 4.1	d 5.5	d 6.4	d 6.2	d 3.9
16	b 6.1	b 9.3	b 9.4	9.5	b 16	15.3	4.6	d 4.2	d 5.7	d 6.5	d 6.3	d 4.0
17	b 6.5	b 8.6	b 9.7	3.9	b 11	14.4	4.6	d 4.2	d 5.9	d 6.4	d 6.4	d 4.0
18	b 6.8	b 7.8	9.5	3.2	b 6.0	15.3	1.6	d 4.3	d 6.0	d 6.3	d 6.5	d 4.0
19	b 7.2	b 7.1	8.7	3.2	b 1.0	15.3	1.8	d 4.4	d 6.1	d 6.2	d 6.5	d 3.9
20	b 7.5	b 6.4	8.0	7.3	0.9	14.4	1.8	d 4.5	d 6.2	d 6.0	d 6.6	d 3.8
21	b 7.9	b 7.0	8.0	5.2	0.9	15.3	1.6	d 4.6	d 6.3	d 5.8	d 6.6	d 3.7
22	b 8.3	b 7.5	8.0	3.9	1.3	16.1	1.6	d 4.6	d 6.4	d 5.6	d 6.5	d 3.7
23	b 8.6	b 8.0	5.9	2.5	1.4	12.8	1.4	d 4.5	d 6.5	d 5.4	d 6.4	d 3.6
24	b 8.6	b 8.6	5.9	1.8	1.8	8.7	1.4	d 4.5	d 6.6	d 5.2	d 6.2	d 3.6
25	b 8.5	b 9.2	7.3	5.9	2.5	7.3	0.4	d 4.4	d 6.6	d 5.1	d 6.0	d 3.5
26	b 8.5	b 9.7	5.9	6.6	2.5	6.6	0.5	d 4.4	d 6.6	d 4.9	d 5.8	d 3.4
27	b 8.4	b 9.6	5.9	4.6	3.9	2.5	2.5	d 4.3	d 6.5	d 4.7	d 5.6	d 3.3
28	b 8.4	b 9.5	8.0	3.9	51	8.0	1.6	d 4.3	d 6.5	d 4.5	d 5.6	d 3.2
29	b 8.3	b 9.4	10.3	4.6		18.2	1.6	d 4.6	d 6.4	d 4.3	d 5.7	d 3.1
30	b 8.3	b 9.3	9.5	4.6		16.1	1.3	d 5.0	d 6.4	d 4.1	d 5.7	d 3.0
31	b 8.6		8.7	4.6		b 12.9		d 5.3		d 3.9	d 5.7	

MEAN	8.08	9.44	8.36	6.28	15.8	25.7	4.37	4.88	6.03	5.68	5.57	3.99
ACRE-FEET	497	565	514	386	878	1,580	261	301	358	350	342	238

YEAR OR PERIOD MEAN 8.65

ACRE-FEET 6,270

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F108-R

DAILY DISCHARGE IN SECOND-FEET OF CASTAIC CREEK at Highway 126 FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	d 3.0	d 3.3	33	5.9	1.8	b 5.8	b 1.6	3.9	1.8	1.4	1.4	8.0
2	d 3.0	d 3.4	36	5.9	1.6	b 6.4	b 1.6	3.9	1.8	1.8	1.4	8.0
3	d 3.0	d 3.5	33	5.9	1.3	b 7.0	b 1.6	3.9	3.2	1.6	1.4	9.5
4	d 3.0	d 3.6	33	5.2	0.7	b 7.5	b 1.6	5.2	3.2	1.6	1.4	5.9
5	d 3.0	d 3.7	a 30	5.9	3.2	8.0	b 1.6	5.2	2.5	1.4	1.6	4.6
6	d 3.1	d 3.7	d 27	5.9	5.2	6.6	b 1.6	4.6	1.8	1.6	1.4	3.9
7	d 3.1	d 3.6	b 24	5.9	1.6	6.6	b 1.6	4.6	3.2	1.4	1.1	1.6
8	d 3.1	d 3.5	b 21	5.9	1.4	d 5.0	b 1.6	3.2	4.6	1.4	0.9	1.8
9	d 3.2	d 3.4	b 18	5.9	5.2	d 4.0	1.6	2.5	3.9	1.4	0.9	1.8
10	d 3.3	d 3.4	b 15	6.6	2.5	d 3.0	1.6	3.2	3.9	1.4	1.1	3.9
11	d 3.4	d 3.3	b 12	5.2	4.6	d 2.1	1.4	3.9	3.9	1.3	1.4	3.9
12	d 3.5	d 3.3	12	5.9	6.6	d 2.1	1.6	3.9	1.8	1.4	1.8	2.5
13	d 3.6	d 3.2	14	5.2	7.3	d 2.1	1.8	3.2	1.6	1.6	1.8	2.5
14	d 3.7	d 3.1	16	5.9	7.3	b 2.2	3.9	3.9	2.5	1.4	1.6	3.2
15	d 3.8	d 3.0	16	5.2	8.0	b 2.2	3.9	3.2	2.5	2.5	1.4	3.9
16	d 3.7	d 3.0	16	d 5.0	7.3	b 2.2	4.6	3.2	2.5	3.2	1.4	3.9
17	d 3.6	d 3.0	15	d 4.8	5.2	b 2.3	3.2	3.2	2.5	2.5	2.5	5.2
18	d 3.5	d 3.0	28	d 4.6	5.9	b 2.3	4.6	3.2	1.8	1.6	3.2	3.9
19	d 3.4	d 3.0	34	d 4.4	b 5.6	b 2.3	5.9	2.5	0.9	1.8	4.6	1.6
20	d 3.3	d 3.0	9.5	d 4.2	b 5.3	b 2.3	6.6	4.6	0.9	3.2	3.9	1.3
21	d 3.2	d 3.0	93	d 4.0	b 5.0	b 2.3	6.6	3.9	1.1	3.2	3.2	b +
22	d 3.2	d 3.0	7.3	d 3.8	b 4.6	b 2.4	5.9	3.9	1.1	2.5	3.2	b 0
23	d 3.2	d 3.0	5.2	b 3.6	b 4.2	b 2.4	5.9	3.9	1.3	1.8	3.9	a 0
24	d 3.2	d 3.0	4.6	b 3.4	b 3.8	2.4	5.2	3.9	1.4	1.8	5.9	a 0
25	d 3.2	d 3.0	3.9	b 3.2	b 3.4	3.2	5.2	4.6	1.6	1.6	6.6	a 0
26	d 3.2	d 3.0	3.9	b 3.0	b 4.0	3.9	5.9	4.6	1.4	1.8	6.6	a 0
27	d 3.2	d 3.0	3.9	b 2.8	b 4.6	1.6	5.9	4.6	1.4	1.8	7.3	a 0
28	d 3.2	d 4.0	4.6	b 2.6	b 5.2	d 1.6	5.2	3.9	1.4	1.8	7.3	a 0
29	d 3.2	153	6.6	2.5		b 1.6	5.2	1.8	1.4	1.8	4.6	a 0
30	d 3.2	29	6.6	1.3		b 1.6	5.2	1.8	1.6	2.5	5.9	a 2.0
31	d 3.2		6.6	1.1		b 1.6		1.8		1.8	8.0	
MEAN	3.27	9.10	19.0	4.54	4.37	3.44	3.66	3.67	2.15	1.87	3.18	2.76
ACRE-FEET	201	541	1,170	279	243	211	218	226	128	115	196	164

YEAR OR PERIOD MEAN 5.11
ACRE-FEET 3,690

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F108-R

DAILY DISCHARGE IN SECOND-FEET OF CASTAIC CREEK at Highway 126 FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	b 2.0	a 3.1	1.6	1.3	a 2.6	1.6	1.3	1.4	1.3	1.1	1.1	1.4
2	b 2.0	a 3.1	1.6	1.1	a 2.6	1.6	1.1	2.5	1.3	1.3	0.9	0.7
3	b 2.0	a 3.9	1.8	1.3	a 2.6	2.5	1.4	1.8	0.7	1.1	0.7	0.5
4	b 2.0	3.9	1.3	1.3	a 2.6	1.6	1.6	1.6	0.4	1.1	0.7	0.5
5	b 2.0	3.8	1.3	1.3	a 2.6	1.3	1.6	1.6	0.5	0.9	0.5	0.5
6	4.6	1.4	1.6	1.4	a 2.6	1.6	1.6	1.1	0.7	0.7	0.7	0.5
7	5.2	1.3	3.2	1.6	a 2.5	1.6	1.4	0.7	1.3	0.7	0.7	0.5
8	7.3	1.4	a 1.4	1.3	a 2.4	1.6	1.1	1.4	3.2	0.7	0.9	0.4
9	2.5	2.5	a 1.4	1.1	a 2.3	1.6	1.1	1.4	14	0.7	1.1	0.4
10	1.4	5.2	a 1.5	1.3	a 2.2	1.3	1.3	1.4	8.7	0.9	1.1	0.4
11	2.5	4.6	a 1.5	1.4	a 2.1	1.3	1.6	1.4	4.6	1.3	1.1	1.1
12	3.2	1.4	a 1.6	1.4	a 2.0	1.1	1.6	1.4	1.8	1.4	1.4	1.4
13	1.8	1.1	a 1.6	1.6	a 1.9	1.1	1.6	0.9	1.1	1.6	1.3	1.6
14	7.3	0.9	a 1.7	1.6	a 1.8	1.1	1.6	0.7	0.9	1.8	1.1	2.5
15	6.6	1.3	a 1.7	1.3	a 1.7	1.1	0.9	0.9	1.4	1.8	0.9	1.1
16	4.6	1.4	a 1.8	1.3	a 1.6	1.3	0.7	0.9	3.2	2.5	0.9	0.5
17	4.6	2.5	a 1.8	1.8	1.8	1.3	1.1	1.1	4.6	2.5	0.7	0.5
18	5.2	2.5	a 1.9	2.5	1.8	1.3	1.4	1.4	5.9	2.5	0.7	1.1
19	3.9	1.6	a 1.9	a 3.7	1.6	1.1	1.3	1.6	7.3	3.2	1.1	1.8
20	3.9	1.1	a 2.0	a 3.6	1.3	1.1	1.3	1.1	2.5	3.2	1.1	1.3
21	0.2	0.7	a 2.1	a 3.5	1.6	1.3	0.9	1.1	10	3.9	1.1	0.4
22	1.3	1.4	a 2.2	a 3.4	3.2	1.3	0.5	1.1	8.0	9.5	1.1	+
23	3.2	2.5	1.4	a 3.3	3.2	1.3	0.5	1.3	5.2	7.3	1.3	+
24	2.5	2.5	17	a 3.2	3.2	1.4	0.7	1.3	3.9	3.9	1.6	0.7
25	2.5	1.4	13	a 3.1	1.8	1.3	0.9	1.3	3.2	2.5	1.1	0.2
26	1.4	1.4	5.9	a 3.0	1.6	1.1	1.1	1.4	2.5	2.5	1.1	1.1
27	1.3	1.6	14	a 2.9	1.6	1.3	1.6	1.3	2.5	1.6	1.1	0.2
28	1.6	1.1	10	a 2.8	1.6	1.4	1.4	1.1	1.6	1.4	1.4	0.2
29	2.5	1.3	4.6	a 2.7	2.5	1.4	1.4	1.1	1.3	1.3	1.3	0.2
30	a 2.5	1.6	1.6	a 2.6		1.4	0.9	1.4	1.1	1.3	1.6	1.8
31	a 3.1		1.4	a 2.6		1.6		1.4		1.4	1.4	
MEAN	3.19	2.12	3.40	2.14	2.12	1.38	1.22	1.29	3.60	2.22	1.06	0.77
ACRE-FEET	192	126	213	132	125	85	72	80	222	134	65	47

YEAR OR PERIOD MEAN 2.05
ACRE-FEET 1,490

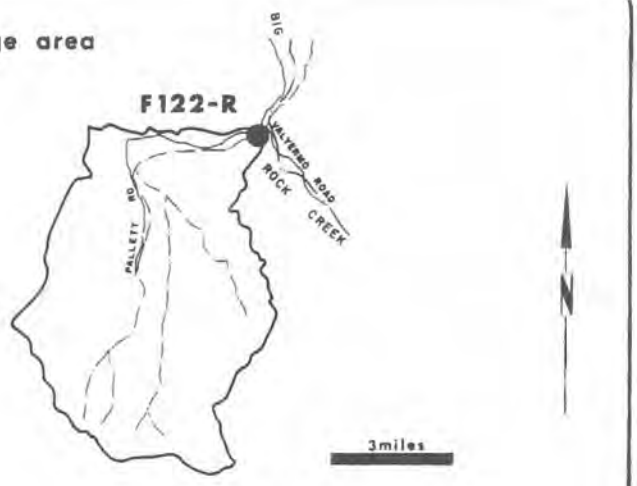
STA. NO. F108-R
CASTAIC CREEK AT HIGHWAY 126

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1946-47	435	0	4.2	3080	12	26	1440
1947-48	24	0	0.1	77	3	24	243
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	0	0	0	0			0
1951-52	1450	0	26.6	19330	1	15	4200
1952-53	31	0	0.2	133	12	2	377
1953-54	270	0	1.4	977	2	19	1480
1954-55	27	0	0.2	134	4	30	62
1955-56	123	0	0.4	311	1	26	281
1956-57	63	0	0.2	184	1	13	237
1957-58	1450	0	33.4	24180	4	3	2690
1958-59	170	0	0.6	472	2	16	466 E
1959-60	0	0	0	0			0
1960-61	0.4	0	+	08	11	6	3.1
1961-62	2190	0	20.5	14850	2	11	3170
1962-63	8.1	0	+	32	3	16	76
1963-64	0.2	0	+	0.4	1	22	1.5E
1964-65	24	0	0.1	78	4	9	96
1965-66	2350	0	18.5	13420	12	29	9900
1966-67	829	0	37.8	27420	1	24	4250
1967-68	236	0	9.1	6610	11	30	1820
1968-69	6980	0	137	99400	2	25	19300
1969-70	112	0.4	8.6	6270	2	10	212
1970-71	153	0	5.1	3690	11	29	355
1971-72	17	0	2.0	1490	12	24	35

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 122-R
PALLETT CREEK
at Valyermo Highway

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 15.8 square miles

LOCATION – upstream side of Valyermo Highway bridge, 5.0 miles southeast of Pearblossom

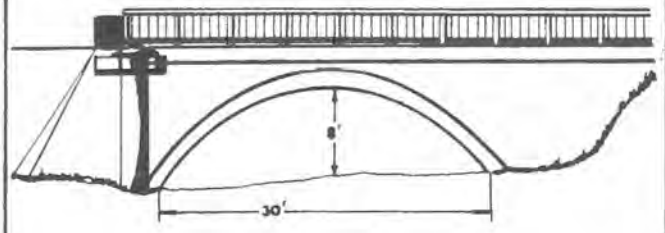
REGULATION – none

CHANNEL – sand and gravel, natural section

CONTROL – channel forms control for low flows; bridge culvert forms control for high flows

LENGTH OF RECORD –
at Station F 122-S, December 29, 1930, to October 31, 1961
at Station F 122-R, October 31, 1961, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F122-R

DAILY DISCHARGE IN SECOND-FEET OF PALLETT CREEK at Valyermo Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.7	2.0	1.5	a 0.8	0.9	26	0.9	1.0	1.0	a 0.9	0.7	a 0.6
2	0.8	2.0	1.5	0.8	0.8	0.9	0.9	1.0	1.0	0.9	0.8	0.6
3	0.8	2.0	1.5	0.8	0.9	0.9	1.0	1.5	1.0	1.0	0.8	0.6
4	0.8	a 1.5	1.5	0.8	1.0	0.9	0.9	1.5	1.0	1.0	0.9	0.6
5	0.9	1.0	1.0	1.0	1.0	0.9	0.9	1.5	0.9	1.0	0.9	0.6
6	0.9	1.0	1.0	1.0	1.5	1.0	1.0	1.5	0.9	0.9	0.9	0.6
7	0.9	2.0	1.0	1.0	1.5	1.0	1.0	1.5	0.9	0.9	0.8	0.6
8	1.0	1.5	1.0	1.0	1.5	1.0	1.0	1.0	0.9	0.9	0.8	0.6
9	1.0	1.0	0.9	0.9	2.5	1.5	1.0	1.0	0.9	0.9	0.8	0.6
10	1.0	1.0	0.9	0.9	1.0	1.5	1.0	0.9	0.9	0.9	0.7	0.6
11	1.0	1.0	0.9	1.0	1.0	1.5	1.0	0.9	0.9	1.0	0.7	0.6
12	1.0	1.5	0.9	0.9	0.9	1.5	1.0	0.9	0.9	0.9	0.7	0.6
13	1.0	1.5	0.9	1.0	0.9	1.5	1.0	0.8	0.9	0.9	0.7	0.6
14	1.0	1.5	1.0	1.0	0.9	1.0	0.9	0.8	0.9	1.0	0.7	0.6
15	1.0	1.5	1.0	1.0	0.9	1.5	0.9	0.8	0.9	1.0	0.6	0.6
16	1.0	2.0	1.0	1.0	0.8	1.0	1.0	0.8	0.9	0.9	0.6	0.6
17	1.0	1.5	1.0	1.5	0.9	1.0	1.0	0.8	0.9	0.9	0.6	0.7
18	1.0	1.5	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.7
19	1.5	1.5	0.9	1.5	1.0	1.0	0.9	0.9	0.9	0.9	0.7	0.7
20	1.5	1.5	0.9	1.0	1.5	1.0	0.9	0.9	0.9	0.8	a 0.7	0.7
21	1.5	1.5	1.0	a 1.0	1.5	0.9	1.0	0.9	0.9	0.8	a 0.7	0.7
22	1.5	1.5	1.0	a 1.0	1.5	0.9	1.0	0.8	0.9	0.7	a 0.7	0.7
23	1.5	1.5	1.0	a 1.0	2.0	1.0	0.9	0.8	0.9	0.8	a 0.7	0.7
24	1.5	1.5	1.0	a 1.0	1.5	1.0	0.9	0.8	0.9	0.8	a 0.7	0.7
25	1.5	1.5	0.9	a 1.0	1.0	1.0	0.8	0.8	0.9	0.7	a 0.7	0.7
26	2.0	1.5	0.9	a 1.0	1.0	1.0	0.8	0.9	0.9	0.7	a 0.6	0.7
27	2.0	1.5	a 0.9	a 1.0	0.9	1.0	0.9	0.9	0.9	0.7	a 0.6	0.7
28	2.0	1.5	a 0.9	1.0	37	0.9	0.8	0.9	0.9	0.7	a 0.6	0.7
29	2.0	1.5	a 0.9	0.9		0.9	1.0	0.9	a 0.9	0.7	a 0.6	0.7
30	2.0	1.5	a 0.8	0.9		0.9	0.9	0.9	a 0.9	0.7	a 0.6	0.7
31	1.5		a 0.8	0.9		0.9		0.9		0.7	a 0.6	

MEAN	1.25	1.50	1.01	0.99	2.46	1.87	0.94	0.98	0.91	0.82	0.71	0.65
A.F.	77	89	62	61	136	115	56	60	54	53	43	38

YEAR OR PERIOD MEAN 1.17
ACRE-FEET 846

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F122-R

DAILY DISCHARGE IN SECOND-FEET OF PALLETT CREEK at Valyermo Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.8	0.3	1.5	0.8	0.7	0.5	0.2	0.5	0.8	0.4	0.4	0.1
2	0.8	0.2	1.5	0.8	0.6	0.5	0.2	0.6	0.8	0.4	0.4	0.1
3	0.8	0.2	1.0	0.8	0.5	0.4	0.1	0.7	0.8	0.4	0.4	0.1
4	0.8	0.3	1.0	0.7	0.5	0.4	0.1	0.7	0.8	0.5	0.3	0.1
5	0.8	0.3	1.0	0.7	0.5	0.4	0.1	0.7	0.8	0.7	0.3	0.1
6	0.8	0.3	1.0	0.7	0.4	0.3	0.1	0.6	0.8	0.7	0.4	0.3
7	0.8	0.3	1.0	0.7	0.3	0.3	0.1	0.6	0.8	0.8	0.5	0.3
8	0.8	0.3	1.0	0.7	0.4	0.3	0.2	0.6	0.8	0.9	0.5	0.3
9	0.8	0.3	1.0	0.8	0.4	0.2	0.2	a 0.6	0.8	0.9	0.5	0.3
10	0.8	0.3	1.0	0.8	0.4	0.1	0.2	a 0.6	0.8	0.7	a 0.4	0.3
11	0.8	0.3	0.9	0.8	0.4	0.1	0.2	a 0.6	0.8	0.6	a 0.4	0.3
12	0.8	0.3	0.9	0.8	0.4	0.1	0.3	a 0.6	0.8	0.7	a 0.3	0.3
13	0.8	0.3	0.8	0.7	0.5	0.1	0.4	0.6	0.9	0.8	a 0.3	0.3
14	0.7	0.4	0.8	0.7	0.5	0.1	0.5	0.6	0.9	0.8	a 0.3	0.3
15	0.6	0.4	0.8	0.7	0.5	0.1	0.6	0.6	0.7	0.8	a 0.2	0.3
16	0.6	0.4	0.8	0.6	0.5	0.1	0.5	0.6	0.6	0.8	a 0.2	0.3
17	0.6	0.5	0.8	0.6	0.5	0.1	0.5	0.6	0.6	0.8	a 0.2	0.3
18	0.6	0.6	0.8	0.6	0.5	0.1	0.4	0.6	0.7	0.8	a 0.2	0.3
19	0.6	0.6	0.7	0.6	0.5	0.1	0.4	0.6	0.7	0.6	0.1	0.3
20	0.6	0.6	0.6	0.6	0.5	0.1	0.3	0.6	0.7	0.6	0.1	0.2
21	0.6	0.6	0.7	0.7	0.5	0.1	0.2	0.6	0.8	0.6	0.1	0.2
22	0.6	0.6	0.6	0.7	0.5	0.2	0.3	0.6	0.8	0.6	0.1	0.2
23	0.6	0.6	0.6	0.7	0.5	0.2	0.4	0.6	0.9	0.6	0.1	0.2
24	0.6	0.6	0.5	0.7	0.4	0.3	0.4	0.6	0.9	0.6	0.1	0.2
25	0.6	0.6	0.5	0.8	0.4	0.3	0.4	0.6	0.9	0.6	0.1	0.3
26	0.6	0.9	0.6	0.8	0.5	0.4	0.4	0.6	0.8	0.6	0.1	0.3
27	0.5	1.0	0.6	0.8	0.5	0.4	0.5	0.6	0.7	0.6	0.1	0.4
28	0.5	1.5	0.7	0.7	0.5	0.4	0.5	0.8	0.6	0.6	0.1	0.5
29	0.4	183	0.8	0.7		0.4	0.5	0.8	0.6	0.6	0.1	0.5
30	0.4	1.5	0.8	0.7		0.4	0.5	0.8	0.5	0.5	0.1	0.5
31	0.3		0.8	0.7		0.4		0.8		0.5	0.1	
MEAN	0.66	6.60	0.84	0.69	0.46	0.25	0.32	0.63	0.76	0.65	0.24	0.28
ACRE-FEET	40	393	52	43	25	16	19	39	45	40	15	17

YEAR OR PERIOD MEAN 1.03
ACRE-FEET 744

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F122-R

DAILY DISCHARGE IN SECOND-FEET OF PALLETT CREEK at Valyermo Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.5	0.5	0.6	0.6	0.6	0.3	0.4	0.5	0.4	0.2	0.2	0.1
2	0.5	0.5	0.6	0.6	0.6	0.3	0.4	0.5	0.4	0.2	0.2	0.1
3	0.5	0.5	0.6	0.5	0.6	0.3	0.4	0.5	0.4	0.1	0.2	0.1
4	0.5	0.5	0.6	0.5	0.6	0.3	0.4	0.5	0.4	0.1	0.2	0.1
5	0.5	0.5	0.6	0.5	0.6	0.3	0.4	0.5	0.4	0.2	0.1	0.1
6	0.5	0.5	0.6	0.5	0.6	0.3	0.5	0.5	0.4	0.3	0.2	0.1
7	0.5	0.5	0.6	0.6	0.5	0.3	0.5	0.5	0.4	0.3	0.2	0.1
8	0.5	0.5	0.6	0.6	0.5	0.3	0.5	0.5	0.4	0.3	0.1	0.1
9	0.5	0.5	0.6	0.6	0.4	0.3	0.5	0.5	0.5	0.3	0.1	0.1
10	0.5	0.5	0.6	0.6	0.4	0.3	0.5	0.5	0.5	0.3	0.1	0.1
11	0.5	0.5	0.6	0.6	0.4	0.3	0.5	0.5	0.5	0.3	0.1	0.1
12	0.5	0.5	0.6	0.6	0.3	0.3	0.5	0.5	0.4	0.3	0.2	0.1
13	0.5	0.5	0.6	0.6	0.3	0.3	0.5	0.5	0.4	0.3	0.1	0.1
14	0.5	0.5	0.6	0.6	0.3	0.3	0.5	0.5	0.3	0.3	0.1	0.1
15	0.5	0.5	0.8	0.6	0.3	0.3	0.5	0.5	0.3	0.4	0.1	0.1
16	0.5	0.5	0.8	0.6	0.3	0.3	0.5	0.5	0.3	0.4	0.1	0.1
17	0.5	0.5	0.8	0.5	0.3	0.3	0.5	0.4	0.3	0.3	0.1	0.1
18	0.5	0.4	0.8	0.5	0.3	0.3	0.5	0.4	0.3	0.3	0.1	0.1
19	0.5	0.4	0.8	0.5	0.3	0.3	0.5	0.4	0.3	0.3	0.1	0.1
20	0.5	0.4	0.9	0.5	0.3	0.3	0.5	0.4	0.3	0.3	0.1	0.1
21	0.5	0.5	0.9	0.5	0.3	0.3	0.5	0.3	0.4	0.3	0.1	0.1
22	0.5	0.5	0.9	0.5	0.3	0.3	0.5	0.3	0.4	0.3	0.2	0.1
23	0.5	0.5	0.8	0.5	0.3	0.3	0.5	0.3	0.3	0.3	0.2	0.1
24	0.5	0.5	14	0.5	0.3	0.3	0.5	0.3	0.3	0.3	0.2	0.1
25	0.5	0.5	56	0.6	0.3	0.3	0.5	0.3	0.3	0.3	0.1	0.1
26	0.5	0.5	16	0.6	0.3	0.3	0.5	0.3	0.3	0.3	0.1	0.1
27	0.5	0.5	1.5	0.6	0.3	0.3	0.5	0.3	0.3	0.3	0.1	0.1
28	0.5	0.5	0.8	0.6	0.3	0.3	0.5	0.3	0.2	0.2	0.1	0.1
29	0.5	0.5	0.7	0.6	0.3	0.3	0.5	0.4	0.2	0.2	0.1	0.1
30	0.5	0.5	0.6	0.6		0.3	0.5	0.4	0.2	0.2	0.1	0.1
31	0.5		0.5	0.6		0.3		0.4		0.2	0.1	
MEAN	0.50	0.49	3.42	0.56	0.39	0.30	0.48	0.43	0.35	0.27	0.13	0.10
ACRE-FEET	31	29	210	34	22	18	29	26	21	17	8.1	6.1

YEAR OR PERIOD MEAN 0.62
ACRE-FEET 452

STATION DATA SUMMARY

STA. NO. F122-R
PALLETT CREEK AT VALYERMO HIGHWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1961-62	92	0	0.4	311	2	11	259
1962-63	0.7	0	0.3	193	2	9	3.0
1963-64	0	0	0	0			
1964-65	0.3	0	+	0.5	8	12	16
1965-66	53	0	1.5	1110	12	29	176
1966-67	3.8	0.3	0.8	618	12	6	6.6
1967-68	5.0	0.3	0.8	615	11	21	9.6
1968-69	770	0.3	7.8	5640	2	25	1480
1969-70	37	0.6	1.2	846	2	28	161
1970-71	183	0.1	1.0	744	11	29	839
1971-72	55	0.1	0.6	452	12	25	282

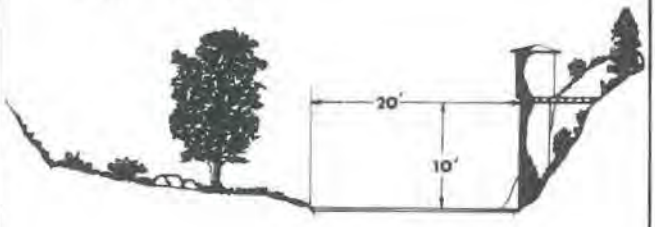
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F125 - R
SANTIAGO CREEK
above Little Rock Creek

drainage area

RECORDER – continuous water stage
METHOD OF MEASUREMENTS – wading
DRAINAGE AREA – 11.2 square miles
LOCATION – 1,000 feet above Little Rock Creek and 4.5 miles south of Little Rock
REGULATION – none
CHANNEL – sand, gravel and boulders
CONTROL – concrete and rubble wall
LENGTH OF RECORD – September 29, 1953 to date
REMARKS – no high flow measurements

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F125-R

DAILY DISCHARGE IN SECOND-FEET OF SANTIAGO CREEK above Little Rock Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 20

	October	November	December	January	February	March	April	May	June	July	August	September
1	a 0.2	a 0.2	0.5	0.5	0.6	14	1.8	1.0	0	0	0	0
2	a 0.2	a 0.2	0.5	0.5	0.6	11	1.8	0.8	0	0	0	0
3	a 0.2	a 0.2	0.5	0.5	0.6	6.0	1.8	0.7	0	0	0	0
4	a 0.2	a 0.2	0.5	0.5	0.6	4.1	1.8	0.6	0	0	0	0
5	a 0.2	a 0.5	0.5	0.5	0.6	4.1	1.6	0.5	0	0	0	0
6	a 0.2	a 2.0	0.5	0.5	0.6	3.9	1.6	0.5	0	0	0	0
7	a 0.2	a 1.8	0.5	0.5	0.6	3.2	1.6	0.4	0	0	0	0
8	a 0.2	a 1.6	0.5	0.6	0.6	2.8	1.6	0.4	0	0	0	0
9	a 0.2	a 1.4	0.5	0.6	1.1	2.4	1.6	0.4	0	0	0	0
10	a 0.2	a 1.2	0.5	0.9	5.5	2.2	1.5	0.3	0	0	0	0
11	a 0.2	a 1.0	0.5	0.9	3.9	1.9	1.2	0.3	0	0	0	0
12	a 0.2	a 0.9	0.5	0.8	1.9	1.8	1.1	0.3	0	0	0	0
13	a 0.2	a 0.9	0.5	0.8	1.5	1.7	1.0	0.3	0	0	0	0
14	a 0.2	a 0.9	0.5	0.7	1.1	1.7	0.9	0.3	0	0	0	0
15	a 0.2	a 0.8	0.5	0.7	0.9	1.6	0.9	0.2	0	0	0	0
16	a 0.2	a 0.8	0.5	0.7	0.8	1.6	0.9	0.3	0	0	0	0
17	a 0.2	a 0.8	0.5	0.8	0.8	1.5	0.9	d 0.1	0	0	0	0
18	a 0.2	a 0.8	0.5	0.8	0.6	1.5	0.8	d 0.1	0	0	0	0
19	a 0.2	a 0.7	0.5	0.8	0.6	1.3	0.7	d 0.1	0	0	0	0
20	a 0.2	a 0.7	0.5	0.8	0.6	1.3	0.7	0.2	0	0	0	0
21	a 0.2	a 0.7	0.5	0.8	0.6	1.2	0.6	0.2	0	0	0	0
22	a 0.2	a 0.7	0.6	0.7	0.6	1.2	0.6	d 0.1	0	0	0	0
23	a 0.2	a 0.6	0.6	0.7	0.6	1.1	0.6	d 0.1	0	0	0	0
24	a 0.2	a 0.6	0.6	0.6	0.6	1.1	0.7	d +	0	0	0	0
25	a 0.2	a 0.6	0.6	0.6	0.5	1.1	0.7	d 0.1	0	0	0	0
26	a 0.2	a 0.6	0.6	0.6	0.5	1.1	0.9	0.3	0	0	0	0
27	a 0.2	a 0.6	0.6	0.6	0.5	1.2	1.2	0.3	0	0	0	0
28	a 0.2	a 0.6	0.6	0.6	6.0	1.3	1.5	0.3	0	0	0	0
29	a 0.2	a 0.5	0.5	0.6		1.5	1.6	d 0.1	0	0	0	0
30	a 0.2	a 0.5	0.5	0.6		1.6	1.3	d +	0	0	0	0
31	a 0.2		0.5	0.6		1.7		d +		0	0	

MEAN	0.2	0.79	0.52	0.66	1.21	2.70	1.18	0.30	0	0	0	0
ACRE-FEET	12	47	32	40	67	167	70	18	0	0	0	0

YEAR OR PERIOD MEAN 2.63
ACRE-FEET 455

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F125-R

DAILY DISCHARGE IN SECOND-FEET OF SANTIAGO CREEK above Little Rock Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	1.7	a 1.0	1.2	0.5	0.6	0.5	0.2	0	0	0
2	0	0	1.2	a 1.0	1.2	0.5	0.6	0.5	0.2	0	0	0
3	0	0	1.1	a 1.0	1.1	0.5	0.6	0.5	0.2	0	0	0
4	0	0	0.9	1.0	1.1	0.5	0.5	0.5	+	0	0	0
5	0	0	0.8	1.0	1.1	0.5	0.5	0.5	+	0	0	0
6	0	0	0.6	1.0	1.1	0.5	0.5	0.5	+	0	0	0
7	0	0	0.5	1.0	1.0	0.5	0.4	0.5	+	0	0	0
8	0	0	0.6	0.8	0.9	a 0.5	0.4	0.4	+	0	0	0
9	0	0	0.6	0.8	0.9	a 0.5	0.4	0.4	+	0	0	0
10	0	0	0.6	0.9	0.9	0.5	0.3	0.4	+	0	0	0
11	0	0	0.5	0.9	0.9	0.5	0.3	0.3	+	0	0	0
12	0	0	a 0.5	1.1	0.9	0.5	0.3	0.3	+	0	0	0
13	0	0	a 0.5	1.1	1.0	0.7	0.3	a 0.3	0	0	0	0
14	0	0	a 0.5	1.1	0.9	0.6	0.4	a 0.3	0	0	0	0
15	0	0	a 0.5	1.3	0.9	0.5	0.4	a 0.3	0	0	0	0
16	0	0	0.5	1.3	1.1	0.6	0.4	a 0.3	0	0	0	0
17	0	0	a 0.5	1.5	1.5	0.6	0.4	a 0.2	0	0	0	0
18	0	0	a 0.6	2.0	1.3	0.5	0.5	a 0.2	0	0	0	0
19	0	0	a 0.7	3.0	1.3	0.5	0.5	a 0.2	0	0	0	0
20	0	0	a 0.8	3.0	1.1	0.5	0.4	a 0.2	0	0	0	0
21	0	0	a 0.8	2.8	0.9	a 0.5	0.5	a 0.2	0	0	0	0
22	0	0	a 0.8	2.2	0.9	a 0.5	0.5	a 0.2	0	0	0	0
23	0	0	a 0.8	1.9	0.9	a 0.5	0.5	a 0.2	0	0	0	0
24	0	0	a 0.9	1.7	0.9	a 0.5	0.5	a 0.2	0	0	0	0
25	0	0	a 0.9	1.6	0.8	a 0.5	0.5	a 0.1	0	0	0	0
26	0	0	a 0.9	1.6	0.7	a 0.6	0.5	a 0.1	0	0	0	0
27	0	0	a 0.9	1.5	0.6	a 0.6	0.5	0.1	0	0	0	0
28	0	0	a 0.9	1.3	0.6	a 0.6	0.5	0.2	0	0	0	0
29	0	7.2	a 1.0	1.3		a 0.6	0.5	0.2	0	0	0	0
30	0	3.2	a 1.0	1.3		a 0.6	0.5	0.2	0	0	0	0
31	0		a 1.0	1.2		0.6		0.2		0	0	
MEAN	0	0.34	0.78	1.43	0.99	0.52	0.46	0.30	0.02	0	0	0
ACRE FEET	0	21	48	88	55	32	27	18	1.2	0	0	0

YEAR OR PERIOD MEAN 0.40
ACRE-FEET 290

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F125-R

DAILY DISCHARGE IN SECOND-FEET OF SANTIAGO CREEK above Little Rock Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	1.2	0.3	0.2	0.1	0	0	0	0	0
2	0	0	0	1.2	0.3	0.2	0.1	0	0	0	0	0
3	0	0	0	1.2	0.2	0.2	+	0	0	0	0	0
4	0	0	0	1.5	0.2	0.2	+	0	0	0	0	0
5	0	0	0	1.1	0.3	0.2	+	0	0	0	0	0
6	0	0	0	1.0	0.3	0.2	+	0	0	0	0	0
7	0	0	0	0.4	0.2	0.2	+	0	0	0	0	0
8	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
9	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
10	0	0	0	0.2	0.2	0.2	0	0	0	0	0	0
11	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
12	0	0	0	0.2	0.2	0.2	0.1	0	0	0	0	0
13	0	0	0	0.2	0.2	0.2	0.1	0	0	0	0	0
14	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
15	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
16	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
17	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
18	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
19	0	0	0	0.2	0.2	0.2	+	0	0	0	0	0
20	0	0	0	0.2	0.2	0.1	+	0	0	0	0	0
21	0	0	0	0.2	0.2	0.1	+	0	0	0	0	0
22	0	0	0	0.2	0.2	0.1	+	0	0	0	0	0
23	0	0	0	0.2	0.2	0.1	+	0	0	0	0	0
24	0	0	1.4	0.2	0.2	0.1	0	0	0	0	0	0
25	0	0	2.1	0.2	0.2	0.1	0	0	0	0	0	0
26	0	0	3.2	0.2	0.2	0.1	0	0	0	0	0	0
27	0	0	1.8	0.2	0.2	0.1	0	0	0	0	0	0
28	0	0	1.5	0.2	0.2	0.1	0	0	0	0	0	0
29	0	0	1.5	0.2	0.2	0.1	0	0	0	0	0	0
30	0	0	1.3	0.2		0.1	0	0	0	0	0	0
31	0		1.2	0.2		0.1		0		0	0	
MEAN	0	0	0.45	0.39	0.21	0.16	+	0	0	0	0	0
ACRE FEET	0	0	28	24	12	9.9	0.8	0	0	0	0	0

YEAR OR PERIOD MEAN 0.14
ACRE-FEET 75

STATION DATA SUMMARY

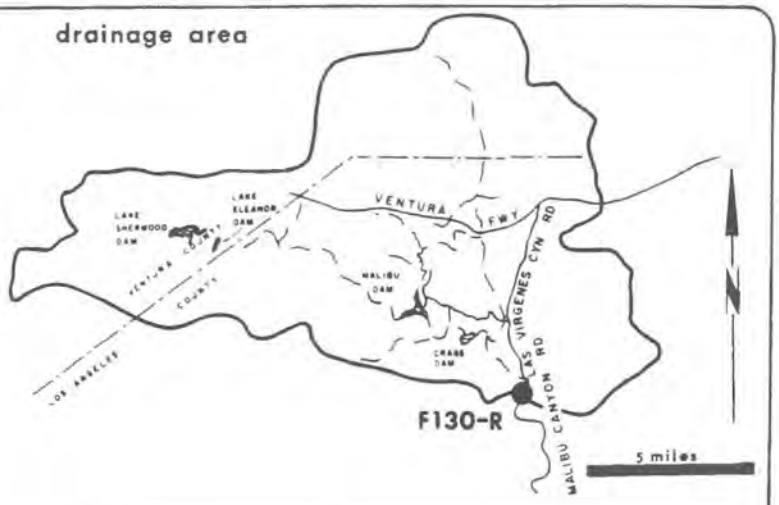
STA. NO. F125-R
SANTIAGO CREEK ABOVE LITTLE ROCK CREEK

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1953-54	24	0	0.9	631	1	25	44
1954-55	13	0	0.6	602	2	17	16
1955-56	41	0	0.6	406	1	26	67
1956-57	6.8	0	0.3	199	1	13	15
1957-58	58	0	3.2	2280	4	3	107
1958-59	10	0	0.5	386	2	16	21
1959-60	1.3	0	0.1	75	2	2	1.6
1960-61	+	0	+	+	8	5	0.5
1961-62	118	0	1.3	945	2	11	199
1962-63	0.9	0	+	19	4	21	1.0
1963-64	0.4	0	+	10	4	2	0.6
1964-65	3.5	0	0.1	87	4	20	4.0
1965-66	78	0	1.3	926	12	29	269
1966-67	38	0	1.4	982	12	6	66
1967-68	9.5	0	0.5	380	11	21	17
1968-69	345	0	5.8	4170	1	25	1140
1969-70	14	0	0.6	455	3	1	21
1970-71	7.2	0	0.4	290	11	29	22
1971-72	3.2	0	0.1	75	12	24	5.0

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 130 - R
MALIBU CREEK
below Cold Creek

drainage area



PECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 103.0 square miles

LOCATION – 0.2 ± mile downstream of Cold Creek, 6.0 miles southwest of Calabasas

REGULATION – Lake Sherwood Dam, Lake Eleanor Dam, Malibu Lake Dam, and Crag's Dam. Other small recreational dams affect low summer flows.

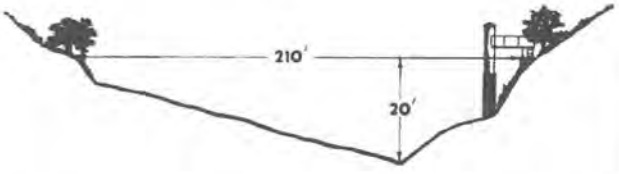
CHANNEL – coarse sand and gravel, lined with trees and brush, natural in section

CONTROL – concrete stabilizer

LENGTH OF RECORD – January 17, 1931, to date

REMARKS – cableway washed out on January 25, 1969; no high flow measurements since that date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F130-R

DAILY DISCHARGE IN SECOND-FEET OF MALIBU CREEK below Cold Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.1	a 6.3	4.0	4.8	6.6	368	4.6	3.8	3.8	2.7	1.1	1.9
2	4.6	a 6.3	4.6	5.1	5.8	212	21	2.9	3.6	2.5	1.2	2.0
3	4.4	a 6.4	4.4	5.8	5.6	80	10	3.6	3.8	2.3	2.3	1.9
4	4.4	a 6.4	4.4	6.1	5.6	182	8.0	4.0	4.2	2.2	1.7	1.7
5	3.1	a 6.4	4.4	5.4	4.2	351	7.4	4.8	4.6	1.9	2.2	2.5
6	2.5	a 6.5	4.6	4.0	5.1	107	6.6	4.0	4.4	1.9	2.2	4.0
7	4.2	a 6.5	4.8	4.8	6.1	61	6.4	4.4	3.3	1.9	2.5	2.7
8	4.2	a 6.5	4.8	4.6	6.6	44	6.1	5.1	3.6	2.0	3.1	2.3
9	4.6	a 6.5	4.8	6.8	19	36	6.1	4.6	3.8	2.7	3.1	1.5
10	5.1	a 6.6	5.1	12	31	30	5.1	4.8	3.1	2.5	3.3	1.7
11	5.1	a 6.6	5.1	6.8	52	25	4.2	5.1	3.8	2.5	3.3	1.5
12	4.4	a 6.6	4.6	6.8	47	19	4.2	4.8	4.0	2.2	3.6	1.7
13	4.8	6.6	4.2	5.4	47	18	4.8	4.0	4.0	1.9	1.7	0.8
14	5.4	6.8	4.4	5.8	37	17	5.8	4.8	4.0	2.0	3.1	1.1
15	5.8	6.4	4.4	5.4	11	16	5.8	3.6	3.6	2.7	3.3	8.4
16	6.1	6.6	4.4	11	8.6	16	5.8	3.8	3.8	2.7	3.1	25
17	4.8	5.8	4.4	8.0	8.3	13	5.4	3.6	3.6	2.5	3.1	8.0
18	5.4	5.1	4.6	6.8	7.1	11	5.1	4.4	3.3	2.2	2.7	5.8
19	5.6	4.0	4.6	6.4	4.8	11	4.8	4.4	2.7	2.0	1.2	4.6
20	5.6	4.6	4.6	6.4	53	11	4.8	4.4	3.6	2.0	2.0	5.1
21	4.4	4.6	4.4	6.6	9.9	10	5.6	4.2	3.6	2.2	2.2	4.4
22	3.8	5.1	4.2	6.8	8.3	9.6	5.4	3.1	3.3	2.7	1.9	4.8
23	3.3	4.8	4.4	6.8	7.7	35	5.4	3.3	2.7	2.5	1.2	2.7
24	4.0	4.8	4.4	6.6	7.4	15	4.6	3.8	2.5	2.7	1.1	1.9
25	4.2	4.8	4.4	6.4	6.8	9.3	4.8	3.6	2.3	2.9	0.8	3.3
26	4.4	4.6	4.6	6.4	6.6	8.0	4.4	3.8	2.2	2.7	1.5	3.8
27	4.6	4.4	4.6	5.8	6.6	7.4	3.3	4.2	2.3	2.0	0.5	a 3.3
28	4.4	4.4	4.4	5.8	139	7.1	3.3	4.2	2.5	1.4	1.7	a 3.3
29	7.4	4.0	4.4	6.1		6.8	4.6	4.4	2.7	3.3	2.2	a 3.3
30	6.3	3.1	4.6	5.8		6.6	4.4	4.4	2.5	2.5	1.4	a 3.3
31	a 6.3		4.8	6.4		6.1		4.2		1.4	1.2	

MEAN	4.72	5.60	4.53	6.38	20.1	56.4	5.93	4.13	3.37	2.31	2.11	3.94
ACRE-FEET	290	333	278	392	1,120	3,470	353	254	201	142	130	235

YEAR OR PERIOD MEAN 9.94
ACRE-FEET 7,200

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F130-R

DAILY DISCHARGE IN SECOND-FEET OF MALIBU CREEK below Cold Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.2	4.4	b 46	14	15	11	7.7	9.6	4.8	4.4	2.5	7.2
2	1.9	4.2	b 38	31	14	11	7.1	7.1	4.4	4.2	3.3	3.8
3	1.9	2.9	24	24	14	13	6.8	7.4	5.4	4.2	2.7	3.6
4	3.8	4.4	22	18	16	10	7.1	8.0	5.6	3.6	4.2	3.6
5	2.5	4.2	19	14	16	10	6.1	6.8	4.0	3.6	2.7	3.6
6	3.1	3.6	b 17	15	15	8.6	5.6	7.1	3.6	3.3	1.5	4.2
7	2.9	3.3	b 15	13	13	10	7.7	6.6	5.6	3.6	1.7	3.8
8	1.7	4.2	b 13	12	13	9.3	7.4	5.4	5.8	2.9	4.2	2.5
9	4.0	4.2	16	14	13	11	6.6	4.4	5.4	2.7	3.1	2.0
10	2.2	1.2	8.6	12	13	11	6.1	5.1	5.0	2.7	1.5	2.2
11	2.9	2.5	6.8	13	13	11	5.8	6.8	5.1	2.7	2.9	2.2
12	2.2	4.6	6.6	61	11	12	7.4	7.4	5.4	3.3	3.3	3.8
13	1.4	2.3	6.4	67	9.6	42	8.6	7.4	4.6	3.1	3.6	2.7
14	3.3	4.2	7.1	21	12	17	33	7.1	4.4	3.3	3.8	3.1
15	4.2	4.0	6.4	36	11	12	47	7.1	4.2	3.3	3.6	2.9
16	2.0	4.4	13	30	21	11	11	6.4	3.8	3.1	2.7	3.1
17	3.8	2.3	27	24	75	11	9.6	4.6	3.6	3.1	2.9	3.1
18	3.1	2.3	603	23	36	8.6	8.3	3.1	3.8	3.1	2.9	3.3
19	1.9	3.6	1,410	21	9.9	9.3	7.4	4.6	4.4	3.3	3.3	4.2
20	5.6	2.9	233	21	14	9.3	7.7	4.6	3.8	3.6	3.6	2.5
21	4.8	4.2	1,050	20	17	8.0	7.1	4.2	3.8	3.3	3.1	2.9
22	4.6	4.8	247	18	15	8.0	6.4	4.4	4.0	3.3	3.6	3.6
23	4.0	3.8	b 133	18	13	8.6	5.1	4.8	4.4	3.6	3.3	3.6
24	4.0	3.6	b 109	16	14	9.0	4.4	5.8	3.6	3.8	3.3	4.2
25	3.3	3.6	b 90	15	13	9.3	4.4	5.6	3.6	3.1	3.6	3.3
26	3.3	7.1	b 70	16	11	9.0	6.6	5.6	3.6	2.5	3.6	3.6
27	4.0	6.8	b 51	15	14	8.0	45	5.1	3.6	2.7	3.3	3.3
28	2.9	34	36	14	11	8.6	47	5.4	3.8	2.7	3.3	3.6
29	3.1	1,480	32	14		8.0	19	4.2	4.6	2.5	3.3	3.3
30	3.1	144	32	15		6.8	14	5.4	4.4	2.5	3.6	3.1
31	3.3		26	14		7.4		5.1		4.0	2.9	
MEAN	3.12	58.7	142.4	21.2	16.5	10.9	12.4	5.87	4.43	3.26	3.13	3.40
ACRE-FEET	192	3,490	8,755	1,310	917	672	740	361	264	200	192	202

YEAR OR PERIOD MEAN 23.7
ACRE-FEET 17,300

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F130-R

DAILY DISCHARGE IN SECOND-FEET OF MALIBU CREEK below Cold Creek FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	5.8	[illegible]	[illegible]	16	5.1	[illegible]	[illegible]	1.7	2.9	[illegible]	1.5	[illegible]
2	4.0	[illegible]	1.6	11	5.1	6.4	3.1	1.5	[illegible]	[illegible]	1.7	1.9
3	4.0	[illegible]	1.7	[illegible]	6.8	5.6	3.1	1.5	[illegible]	[illegible]	2.0	1.9
4	3.6	1.9	1.7	4.6	5.6	5.1	3.1	1.1	[illegible]	[illegible]	[illegible]	1.9
5	3.6	3.3	1.7	3.9	6.6	5.4	3.3	1.4	[illegible]	1.7	[illegible]	1.9
6	3.8	[illegible]	1.4	[illegible]	7.4	5.4	[illegible]	1.4	[illegible]	1.5	[illegible]	[illegible]
7	3.3	1.7	1.4	8.5	[illegible]	5.1	[illegible]	[illegible]	v [illegible]	1.9	[illegible]	[illegible]
8	[illegible]	1.7	1.4	[illegible]	[illegible]	4.8	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	1.7	1.5	[illegible]	6.8	4.4	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	1.7	1.5	[illegible]	[illegible]	4.4	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	1.5	6.8	[illegible]	4.2	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	v [illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]		[illegible]	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]	
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ACRE-FEET	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

YEAR OR PERIOD MEAN [illegible]
ACRE-FEET [illegible]

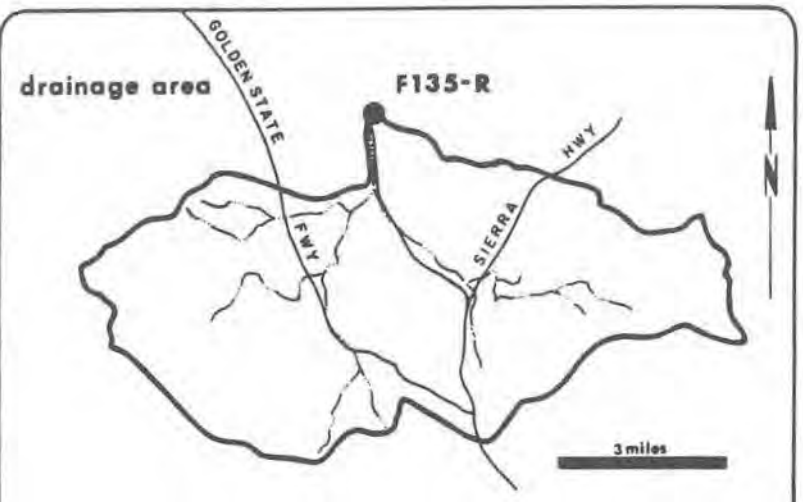
STATION DATA SUMMARY

STA. NO. F130-R
MALIBU CREEK BELOW COLD CREEK

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1930-31	*	*	*	1920*	2	4	723
1931-32	1770	+	20.2	14670	2	9	3100
1932-33	1100	0.1	12.7	9190	1	19	4460
1933-34	3160	0.1	17.1	12370	1	1	9650
1934-35	511	+	8.6	6220			N.D.
1935-36	92	0	3.2	2310	2	23	147
1936-37	1680	0	33.1	23940	2	14	2760
1937-38	5090E	0.2	47.1	34100	3	2	10000E
1938-39	139	0	6.4	4630	12	20	331
1939-40	335	+	8.4	6100	2	2	690
1940-41	2200	0.1	101	73220	2	20	3620
1941-42	32	0.1	2.5	1820	12	28	140
1942-43	5370	0.1E	65.8	47600	1	22	12200
1943-44	3400	0.7E	41.6	30170	2	22	7700
1944-45	210	0.2	5.8	4240	2	2	516
1945-46	267	0.1	5.2	3800	3	30	506
1946-47	142	0.1	5.3	3820	11	13	980
1947-48	15	+	0.2	177	3	24	113
1948-49	0.6	+	0.1	90	5	18	0.6
1949-50	64	0	0.7	477	2	6	674
1950-51	0.3	0	0.1	56	1	11	2.9
1951-52	6720	0	80.2	58200	3	15	13600
1952-53	81	+	4.0	2940	11	15	322
1953-54	655	0.1	6.9	4990	2	13	2250
1954-55	16	0.1	1.0	758	1	18	45
1955-56	1260	0.1	6.5	4680	1	26	3600
1956-57	12	+	0.6	444	2	23	46
1957-58	1530	+	43.7	31660	4	3	4260
1958-59	114	0.1	2.1	1510	1	6	3180
1959-60	17	+	0.7	504	4	27	84
1960-61	2.0	+	0.1	99	1	26	8.0
1961-62	3920	+	36.3	26150	2	10	7060
1962-63	24	+	1.0	701	3	16	104
1963-64	17	+	0.5	384	1	22	65
1964-65	148	+	2.2	1560	4	9	521
1965-66	7060	0.2	51.8	37520	12	29	20600
1966-67	2710	0.9	35.5	25700	1	24	10200
1967-68	1350	1.0	18.5	13430	3	8	3830
1968-69	24200	1.4	166	119900	1	25	33800
1969-70	368	0.5	9.9	7200	3	4	1150
1970-71	1480	1.2	23.7	17300	12	19	7390
1971-72	582	0.9	6.0	4340	12	27	2120

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 135-R
SANTA CLARA RIVER-SO.FORK at Magic Mountain Parkway



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 40.9 square miles

LOCATION – upstream side of Magic Mountain Parkway 800.0 feet west of San Fernando Road, Saugus

REGULATION – none

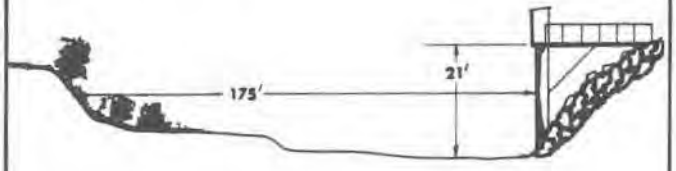
CHANNEL – natural, sand, and gravel

CONTROL – grouted rubble control under railroad bridge

LENGTH OF RECORD – September 9, 1947 to date

REMARKS – for measurements prior to September 9, 1947, see Station F135-S

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F135-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER - SOUTH FORK at Magic Mountain Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	164	0	0	0	0	0	0
2	0	0	0	0	0	65	0	0	0	0	0	0
3	0	0	0	0	0	+	0	0	0	0	0	0
4	0	0	0	0	0	117	0	0	0	0	0	0
5	0	0	0	0	0	14	0	0	0	0	0	0
6	0	30	0	0	0	1.3	0	0	0	0	0	0
7	0	1.9	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	46	0	0	0	0	0	0	0
10	0	0	0	0	139	0	0	0	0	0	0	0
11	0	0	0	0	3.3	0	0	0	0	0	0	0
12	0	0	0	0	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	132	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	1.05	0	0	12.4	11.6	0	0	0	0	0	0
ACRE-FEET	0	63	0	0	635	716	0	0	0	0	0	0

YEAR OR PERIOD MEAN 1.95

ACRE-FEET 1,410

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F135-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER - SOUTH FORK at Magic Mountain Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	+	0	0	b +	0	0	0	0	0	0
2	0	0	7.1	e 0.1	0	b +	0	0	0	0	0	0
3	0	0	e 0.1	e +	0	b +	0	0	0	0	0	0
4	0	0	0	0	0	b +	0	0	0	0	0	0
5	0	0	0	0	0	b +	0	0	0	0	0	0
6	0	0	0	0	0	b +	0	0	0	0	0	0
7	0	0	0	0	0	b +	0	0	0	0	0	0
8	0	0	0	0	0	b +	0	0	0	0	0	0
9	0	0	e 0.1	0	0	b +	0	0	0	0	0	0
10	0	0	e +	0	0	b +	0	0	0	0	0	0
11	0	0	0	0	0	b +	0	0	0	0	0	0
12	0	0	0	28	0	b 0.1	0	0	0	0	0	0
13	0	0	0	16	0	18	0	0	0	0	0	0
14	0	0	0	6.0	0	0.1	20	0	0	0	0	0
15	0	0	0	e 0.1	0	b 0.1	1.4	0	0	0	0	0
16	0	0	4.4	e 0.1	18.8	b 0.1	e +	0	0	0	0	0
17	0	0	5.0	e +	19.8	b 0.1	9.5	0	0	0	0	0
18	0	0	228	e +	b 0.1	b 0.1	e 0.1	0	0	0	0	0
19	0	0	159	e +	b 0.1	b 0.1	e +	0	0	0	0	0
20	0	0	84	e +	b 0.1	b 0.1	0	0	0	0	0	0
21	0	0	419	0	b 0.1	b 0.1	0	0	0	0	0	0
22	0	0	6.0	0	b 0.1	b 0.1	0	0	0	0	0	0
23	0	0	2.0	0	b 0.1	b 0.1	0	0	0	0	0	0
24	0	0	1.4	0	b 0.1	b 0.1	0	0	0	0	0	0
25	0	0	1.0	0	b 0.1	b 0.1	0	0	0	0	0	0
26	0	0	1.2	0	b 0.1	b 0.1	0	0	0	0	0	0
27	0	0	0.8	0	b 0.1	b 0.1	0	0	0	0	0	0
28	0	148	0.6	0	b 0.1	b 0.1	0	0	0	0	0	0
29	0	1,460	0.4	0		b 0.1	0	0	0	0	0	0
30	0	6.4	e +	0		b 0.1	0	0	0	0	0	0
31	0		e +	0		b 0.1		0		0	0	

MEAN	0	53.8	29.7	1.68	1.42	0.64	1.03	0	0	0	0	0
ACRE-FEET	0	3,200	1,820	100	79	39	61	0	0	0	0	0

YEAR OR PERIOD MEAN 7.33
ACRE-FEET 5,299

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F135-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA CLARA RIVER - SOUTH FORK at Magic Mountain Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	3.2	0	0	0	0	0	0	0	0
2	0	0	0	0.8	0	0	0	0	0	0	0	0
3	0	0	0	+	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	1.4	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	60	0	0	0	0	0	0	0	0	0
23	0	0	6.8	0	0	0	0	0	0	0	0	0
24	9.8	0	261	0	0	0	0	0	0	0	0	0
25	+	0	72	0	0	0	0	0	0	0	0	0
26	0	0	12	0	0	0	0	0	0	0	0	0
27	0	0	341	0	0	0	0	0	0	0	0	0
28	0	0	70	0	0	0	0	0	0	0	0	0
29	0	0	6.8	0	0	0	0	0	0	0	0	0
30	0	0	5.4	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	

MEAN	0.32	0.05	27.1	0.13	0	0	0	0	0	0	0	0
ACRE-FEET	19	2.8	1,660	7.9	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 2.34
ACRE-FEET 1,690

STATION DATA SUMMARY

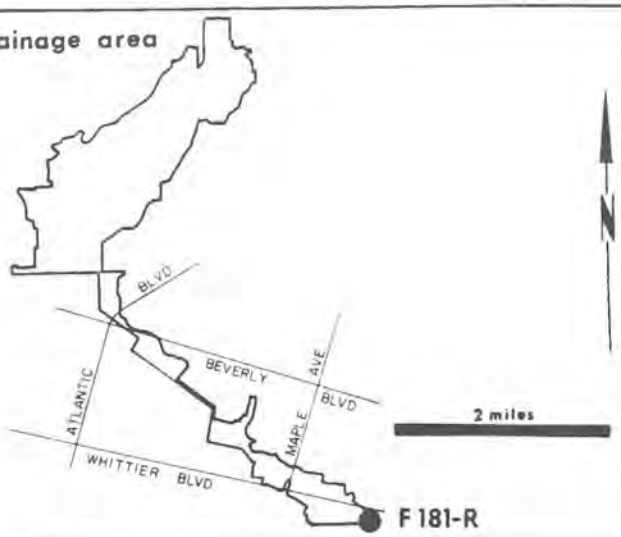
STA. NO. F135-R
SANTA CLARA RIVER - SOUTH FORK AT MAGIC MOUNTAIN PARKWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1947-48	19	0	0.1	84	3	24	82
1948-49	8.6	0	0.1	94	12	26	37
1949-50	12	0	0.1	101	1	8	71
1950-51	0.2	0	+	0.0	4	29	6.3
1951-52	1410	0	16.7	12100	1	15	6800
1952-53	71	0	0.5	390	12	1	1050
1953-54	129	0	1.4	1000	1	19	1100
1954-55	58	0	0.3	200	1	18	460
1955-56	278	0	1.0	753	1	26	573
1956-57	228	0	1.0	756	2	28	2030
1957-58	746	0	10.7	7760	4	3	3640
1958-59	137	0	0.8	605	1	6	2410
1959-60	13	0	0.2	109	1	11	120
1960-61	21	0	0.2	132	11	5	196
1961-62	1040	0	9.4	6790	2	12	3410
1962-63	176	0	1.1	799	3	16	1750
1963-64	93	0	1.2	846	1	22	870
1964-65	146	0	1.6	1160	4	8	960
1965-66	632	0	10.6	7700	11	17	5630
1966-67	594	0	7.2	5250	12	6	1820
1967-68	208	0	1.7	1200	11	19	1650
1968-69	2080	0	24.9	18050	2	25	7570
1969-70	164	0	2.0	1410	3	4	838
1970-71	1460	0	7.3	5300	11	29	6260
1971-72	341	0	2.3	1690	12	27	1490

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 181 - R
MONTEBELLO STORM DRAIN
above Rio Hondo

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 9.6 square miles

LOCATION – 150.0 feet east of Mines Avenue and 500.0 feet west of Rio Hondo

REGULATION – None

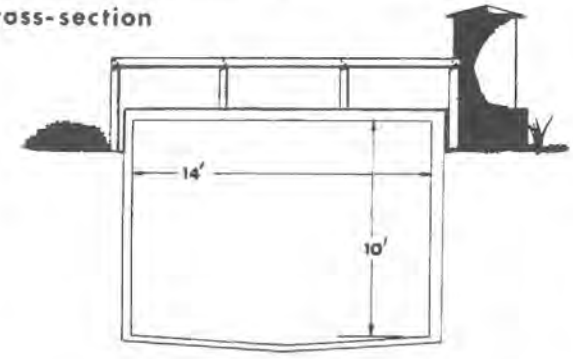
CHANNEL – 14.0-foot by 10.0-foot concrete, box section

CONTROL – channel forms control

LENGTH OF RECORD – January 12, 1932, to date

REMARKS – may be affected by backwater during flood flows

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F181-R

DAILY DISCHARGE IN SECOND-FEET OF MONTEBELLO STORM DRAIN above Rio Hondo FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.3	1.1	1.1	0.5	0.5	78	1.0	1.4	1.0	0.8	e 0.5	0.3
2	0.3	1.1	0.6	1.1	1.0	41	0.6	0.8	1.4	0.8	e 0.4	0.3
3	0.4	1.2	1.4	0.6	0.3	7.1	1.0	0.6	1.4	1.1	b 0.5	0.4
4	0.3	1.0	0.8	0.6	1.4	84	1.0	0.5	1.0	0.5	b 0.5	0.6
5	0.5	0.8	1.4	1.0	0.8	8.1	1.1	0.4	1.1	0.5	b 0.6	0.2
6	0.6	64	0.8	0.5	1.2	0.8	1.2	0.2	1.2	0.8	b 0.8	0.1
7	0.5	7.8	0.8	0.8	0.8	0.2	0.8	0.2	1.2	0.8	b 0.7	0.4
8	0.6	0.5	3.5	0.8	0.6	0.2	1.1	0.4	0.6	1.0	b 0.6	0.5
9	1.2	0.6	0.6	15.1	14.7	0.2	0.8	0.4	0.5	0.8	b 0.6	0.4
10	0.6	1.1	0.5	13.9	91	+	1.4	0.4	0.6	0.8	b 0.5	0.2
11	0.6	0.4	0.3	6.7	2.9	0.1	1.2	0.6	0.6	0.8	b 0.4	0.3
12	0.5	0.8	0.5	1.5	+	0.1	1.1	0.6	1.0	0.5	b 0.3	0.3
13	0.6	0.5	0.3	0.1	+	0.5	1.4	0.8	1.1	0.5	0.3	0.3
14	0.8	0.8	0.3	15.4	+	0.3	1.2	0.8	1.0	0.4	0.3	1.2
15	0.6	0.6	0.5	1.8	+	0.6	1.4	1.0	0.5	0.4	0.3	0.5
16	0.4	0.5	0.3	39	0.2	1.4	1.0	0.8	1.0	0.4	0.4	0.5
17	0.5	0.8	0.6	0.4	0.2	0.8	1.1	0.8	1.0	0.4	0.4	0.5
18	0.8	0.4	0.2	0.4	0.8	1.1	0.6	0.8	1.1	0.4	0.5	0.6
19	0.8	0.8	0.6	0.8	0.6	0.6	0.6	0.6	1.1	0.4	0.5	0.5
20	0.8	0.4	0.5	0.5	1.1	1.1	0.6	0.8	1.0	0.4	0.5	0.5
21	0.6	1.0	0.6	1.0	0.8	1.0	0.8	0.6	0.8	0.4	0.6	0.5
22	1.0	0.6	1.4	0.6	0.8	1.4	1.0	0.4	0.6	e 0.5	0.5	0.4
23	1.1	0.6	0.5	1.0	1.0	1.6	1.0	0.4	0.6	e 0.7	0.5	0.5
24	1.7	0.8	0.6	0.5	0.4	1.2	1.2	0.3	0.5	e 0.6	0.4	0.4
25	1.2	0.5	0.2	0.6	1.2	1.6	1.1	2.6	0.6	e 0.5	0.4	0.5
26	1.8	1.0	0.6	1.1	0.6	1.1	1.0	0.4	1.0	e 0.4	0.3	0.3
27	1.4	0.6	0.3	0.5	1.1	1.2	1.1	0.4	0.8	e 0.3	0.3	0.3
28	1.0	0.8	0.4	1.0	135	1.0	0.6	1.0	0.8	e 0.3	0.3	0.2
29	1.1	0.8	1.0	0.4		0.8	1.2	1.0	0.6	e 0.6	0.3	0.2
30	1.4	0.5	0.5	0.8		8.4	1.2	1.2	0.6	e 0.7	0.3	0.2
31	1.1		1.2	0.3		0.8		1.1		e 0.6	0.3	
A.F.	0.81	3.08	0.74	3.52	9.25	7.95	1.01	0.72	0.88	0.58	0.45	0.40
ACRE-FEET	50	183	45	217	514	488	60	44	52	36	27	24

YEAR OR PERIOD MEAN 2.41

ACRE-FEET 1,740

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F181-R

DAILY DISCHARGE IN SECOND-FEET OF MONTEBELLO STORM DRAIN above Rio Hondo FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.4	0.5	0.5	0.6	0.4	0.6	0.6	0.8	0.4	1.2	0.6	1.1
2	0.5	0.4	23	7.0	0.5	1.0	1.0	0.5	0.4	1.4	0.8	1.4
3	0.4	0.3	0.2	0.6	0.5	1.1	1.0	0.5	0.5	1.4	0.8	1.1
4	0.3	0.3	0.3	0.6	0.6	1.2	0.6	0.6	0.5	1.6	0.8	1.0
5	0.4	0.1	0.2	0.5	0.8	1.4	0.6	0.6	0.5	1.6	1.0	1.1
6	0.2	8.8	0.1	0.8	0.8	1.2	0.6	4.3	0.4	1.6	1.0	1.0
7	0.3	0.3	0.1	0.6	0.6	1.0	0.8	0.6	0.6	1.2	0.8	1.1
8	0.2	0.4	0.1	1.0	0.8	1.1	0.6	0.4	0.4	1.2	1.0	1.1
9	0.3	0.5	18.0	1.0	0.6	1.2	0.8	0.2	0.4	1.1	1.1	1.0
10	0.2	0.5	0.8	0.8	0.6	1.2	0.8	0.2	0.5	0.3	0.8	1.4
11	0.2	0.8	1.0	0.6	1.0	1.0	0.5	0.3	0.4	0.1	0.6	1.2
12	0.5	0.5	0.5	17.8	0.4	1.1	0.4	0.3	0.8	0.2	0.6	1.1
13	0.6	0.8	0.5	5.2	0.5	30	0.4	0.4	0.5	+	0.6	1.8
14	0.8	0.4	1.1	0.8	0.5	0.6	16.1	0.5	0.6	+	0.4	1.8
15	0.5	0.4	0.8	0.5	0.6	0.4	0.4	0.5	1.2	+	0.3	1.0
16	0.5	0.5	29	0.5	23	0.4	0.6	0.4	0.6	0.2	0.4	1.0
17	0.4	0.4	6.9	0.4	45	0.5	1.1	0.4	1.0	0.2	0.6	1.1
18	0.4	0.6	68	0.6	1.0	0.5	0.3	0.4	0.6	0.1	0.6	1.0
19	0.3	0.4	80	0.6	1.9	1.0	0.3	0.5	0.5	0.4	0.5	0.8
20	0.2	0.5	11.0	0.5	0.5	0.6	0.8	0.5	0.4	0.3	0.5	1.0
21	0.2	0.3	89	0.4	0.4	0.6	0.4	0.6	1.1	0.5	0.5	0.8
22	0.1	0.3	2.0	0.4	0.4	3.7	0.5	0.4	0.3	0.4	0.6	1.0
23	0.2	0.4	1.2	0.5	0.4	1.1	0.3	0.4	0.6	0.4	0.6	0.8
24	0.3	0.2	1.0	0.5	0.3	0.6	0.6	0.6	0.6	0.5	0.4	1.0
25	0.3	8.2	0.4	0.4	0.4	0.5	0.3	0.8	0.8	0.4	0.8	1.0
26	0.4	20	0.4	0.8	0.5	1.0	1.0	0.6	0.6	0.4	0.4	0.8
27	0.3	0.3	0.4	0.6	0.6	0.8	0.8	0.5	0.8	0.4	1.2	1.1
28	0.6	89	0.5	0.6	0.5	0.6	0.6	9.9	0.8	0.6	0.5	1.0
29	0.4	169	0.4	0.6		1.0	0.4	0.3	1.0	0.6	0.5	1.0
30	1.0	8.5	0.8	0.8		0.6	0.6	0.2	1.4	0.8	0.8	0.8
31	0.6		1.4	0.5		0.8		0.3		0.6	0.8	
MEAN	0.39	10.4	10.9	1.48	3.00	1.88	1.13	0.89	0.64	0.64	0.67	1.08
ACRE-FEET	24	622	671	91	167	116	67	55	38	39	41	64

YEAR OR PERIOD MEAN 2.76
ACRE-FEET 1,995

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F181-R

DAILY DISCHARGE IN SECOND-FEET OF MONTEBELLO STORM DRAIN above Rio Hondo FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.1	0.4	0.3	0.3	0.4	0.4	0.5	0.4	0.5	0.2	e 0.3	0.5
2	1.0	0.4	6.7	0.3	0.4	0.4	0.5	1.1	0.4	0.3	e 0.3	0.5
3	0.8	0.5	2.0	0.3	0.4	0.4	0.5	1.0	0.5	0.3	e 0.3	3.2
4	1.0	0.4	16.2	0.3	0.4	0.4	0.4	0.6	0.4	0.3	e 0.3	0.4
5	1.0	0.5	0.3	0.3	3.6	0.4	0.4	0.4	0.5	0.3	e 0.3	1.7
6	1.1	0.5	0.3	0.3	0.3	0.4	0.4	0.4	1.0	0.4	e 0.3	1.2
7	1.0	0.5	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4	e 0.3	0.4
8	1.0	0.5	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	e 0.3	0.4
9	0.8	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	e 0.3	0.4
10	1.0	0.5	0.3	0.3	0.3	0.4	0.4	0.5	0.3	0.4	e 0.3	0.3
11	1.0	0.5	0.3	0.3	0.5	0.4	0.4	0.5	0.4	e 0.4	e 0.3	0.4
12	0.6	17.4	0.4	0.4	0.4	0.4	0.5	0.6	0.4	e 0.4	23	0.3
13	0.8	0.3	4.4	0.3	0.3	0.4	0.6	0.5	0.5	e 0.4	b 0.4	0.3
14	1.1	0.4	0.3	0.4	0.4	0.4	1.0	0.4	0.5	e 0.4	b 0.4	0.3
15	0.6	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.4	e 0.4	b 0.4	0.4
16	5.5	0.4	0.3	0.3	0.4	0.5	0.4	0.4	0.5	e 0.4	b 0.4	1.2
17	0.9	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.4	e 0.4	0.4	0.5
18	0.3	0.4	0.5	0.3	0.4	0.4	1.0	0.4	0.4	e 0.4	0.5	0.5
19	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.4	0.4	e 0.4	0.5	1.2
20	0.4	0.4	0.5	0.3	0.4	0.5	0.4	0.4	0.4	e 0.4	0.4	1.0
21	0.5	0.6	0.4	0.3	0.4	0.5	0.4	0.4	0.4	e 0.4	0.5	0.5
22	0.5	0.4	35	0.3	0.3	0.6	0.4	0.4	0.4	e 0.4	0.5	0.8
23	0.5	0.5	0.4	0.3	0.4	0.6	0.4	0.4	0.3	e 0.4	0.5	0.5
24	0.5	0.5	142	0.3	0.3	0.8	0.4	0.4	0.3	e 0.4	0.5	0.6
25	0.4	0.3	28	0.3	0.3	0.8	0.4	0.4	0.3	e 0.4	0.5	0.6
26	0.4	0.4	26	0.3	0.4	0.8	0.4	0.4	0.4	e 0.4	0.5	0.4
27	0.4	0.4	96	0.2	0.4	0.6	0.5	0.4	0.4	e 0.4	0.5	0.4
28	0.3	0.4	15.4	0.4	0.4	0.6	0.4	0.4	0.4	e 0.4	0.5	0.4
29	0.4	0.4	0.4	0.4	0.3	0.5	0.5	0.4	0.4	e 0.4	0.6	0.4
30	0.4	0.3	0.4	0.4		0.6	0.4	0.4	0.6	e 0.4	0.5	0.4
31	0.4		0.4	0.4		0.6		0.4		e 0.4	1.0	
MEAN	0.84	0.99	12.2	0.32	0.48	0.49	0.47	0.47	0.44	0.38	1.15	0.67
ACRE-FEET	52	59	752	19	27	30	28	29	26	23	71	40

YEAR OR PERIOD MEAN 1.60
ACRE-FEET 1,160

STATION DATA SUMMARY

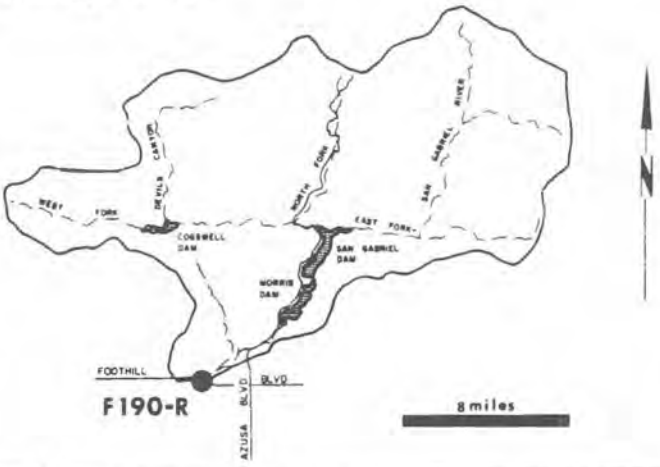
STA. NO. F181-R
MONTEBELLO STORM DRAIN ABOVE RIO HONDO

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	*	0	*	1120*	1	31	531
1932-33	125	0	0.8	529	1	19	713
1933-34	391	0	2.6	1910	1	1	1360
1934-35	114	0	2.3	1650	1	5	1140
1935-36	55	0	1.2	889	2	14	374
1936-37	NO RECORD						
1937-38	N.D.	N.D.	N.D.	N.D.	3	2	1400 E
1938-39	147	0	1.4	981	9	25	688
1939-40	77	0.1	1.2	885	2	1	729
1940-41	204	0.1	5.6	4090	3	3	936
1941-42	102	0.1	1.3	962	12	10	521
1942-43	300 E	0.1E	3.6	2580			N.D.
1943-44	323 E	0.1	3.3	2390	2	22	1040
1944-45	54	0.1E	0.8	768	11	11	506
1945-46	92	0	1.2	865	12	22	384
1946-47	144	0.1	1.9	1350	11	13	1240
1947-48	86	0.1	1.3	913	12	5	1220
1948-49	41	0.1	1.2	861	12	17	347
1949-50	95	0.1	1.7	1240	1	8	790
1950-51	50	0.1	1.2	888	1	10	333
1951-52	302	0.1	4.6	3330	3	7	1010
1952-53	97	0.1	2.0	1430	11	15	770
1953-54	232	0.1	3.0	2190	2	13	1010
1954-55	*	*	*	1210*	1	18	759
1955-56	463	+	2.9	2110	1	26	856
1956-57	65	+	1.6	1120	2	28	570
1957-58	199	+	4.5	3250	2	19	865
1958-59	109	0.1	1.7	1230	1	6	869
1959-60	96	0.1	2.1	1530	1	12	784
1960-61	65	0.1	1.2	884	11	26	478
1961-62	225	0.1	4.6	3370	2	12	783
1962-63	129	0.3	2.1	1530	3	16	851
1963-64	77	0.2	1.8	1280	11	19	553
1964-65	124	+	2.7	1970	4	9	844
1965-66	281	0.1	4.4	3200	12	29	904
1966-67	288	0.2	4.9	3560	1	24	1060
1967-68	198	0.2	2.9	2130	3	8	923
1968-69	424	0.2	8.5	6165	1	25	1600E
1969-70	135	+	2.4	1740	2	10	792
1970-71	159	+	2.8	2000	11	29	833
1971-72	142	0.2	1.6	1160	12	24	637

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 190 - R
SAN GABRIEL RIVER
at Foothill Boulevard

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 230.0 square miles

LOCATION – downstream side of Foothill Boulevard bridge, 2.0 miles west of Azusa

REGULATION – partially regulated by Cogswell, San Gabriel, and Morris Dams

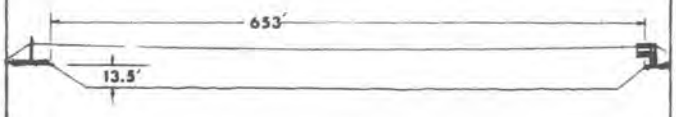
CHANNEL – sand, gravel and rock, trapezoidal section with soft bottom

CONTROL – gunited rock stabilizers

LENGTH OF RECORD – February 22, 1932, to date

REMARKS – flows may include imported water originating at the Metropolitan Water District outlet below Morris Dam.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F190-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	1.4	a 7.2	4.0	1,260	104	18	7.0	0	0	0
2	0	0	1.5	a 7.4	3.0	1,300	83	17	7.0	0	0	0
3	0	0	1.7	a 7.5	2.0	1,280	b 72	15	5.0	0	0	0
4	0	0	2.0	a 7.6	3.0	1,280	b 62	17	4.0	0	0	0
5	0	0	3.0	a 7.7	4.0	972	b 52	28	3.0	0	0	0
6	0	+	4.0	a 7.8	2.0	648	b 42	26	2.0	0	0	0
7	0	4.0	4.0	a 7.9	1.9	446	b 32	25	1.9	0	0	0
8	0	1.5	3.0	a 8.0	1.7	446	b 25	23	1.9	0	0	0
9	0	1.2	a 3.0	a 8.0	1.7	476	b 20	23	4.0	0	0	0
10	0	1.2	a 3.0	a 9.0	30	476	18	23	3.0	0	0	0
11	0	1.0	3.0	a 10	19	446	15	25	3.0	0	0	0
12	0	0.5	3.0	a 11	10	446	15	25	3.0	0	0	0
13	0	0.3	4.0	a 12	10	446	15	17	4.0	0	0	0
14	0	0.3	4.0	a 13	7.0	446	15	8.0	2.0	0	0	0
15	0	0.5	5.0	a 14	3.0	446	15	7.0	2.0	0	0	0
16	0	0.5	5.0	a 15	3.0	400	15	7.0	2.0	0	0	0
17	0	0.5	5.0	11	7.0	198	51	5.0	2.0	0	0	0
18	0	1.0	5.0	9.0	7.0	184	80	6.0	2.0	0	0	0
19	0	1.0	5.0	8.0	7.0	184	26	7.0	2.0	0	0	0
20	0	1.0	5.0	5.0	8.0	184	22	7.0	1.7	0	0	0
21	0	1.0	5.0	5.0	9.0	184	18	7.0	1.4	0	0	0
22	0	1.0	5.0	4.0	8.0	184	20	5.0	1.0	0	0	0
23	0	1.0	4.0	3.0	7.0	184	15	5.0	0.5	0	0	0
24	0	1.0	4.0	3.0	5.0	184	14	5.0	0.5	0	0	0
25	0	1.0	3.0	3.0	4.0	184	14	5.0	0.3	0	0	0
26	0	1.0	3.0	4.0	4.0	184	17	5.0	0	0	0	0
27	0	1.0	4.0	4.0	4.0	178	18	5.0	0	0	0	0
28	0	1.0	4.0	5.0	284	160	20	5.0	0	0	0	0
29	0	1.0	5.0	4.0		160	20	5.0	0	0	0	0
30	0	1.4	7.0	4.0		142	20	6.0	0	0	0	0
31	0		a 7.1	4.0		108		6.0		0	0	
MEAN	0	0.83	3.93	7.39	16.4	446	31.8	12.5	2.21	0	0	0
ACRE-FEET	0	49	241	454	911	27,400	1,890	770	131	0	0	0

YEAR OR PERIOD MEAN 44.00
ACRE-FEET 31,850

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F190-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	3.4	370	140	12	6.9	0.7	0	0	0	0
2	0	0	6.6	370	140	12	6.3	0.7	0	0	0	0
3	0	0	5.8	378	140	8.6	5.8	0.9	0	0	0	0
4	0	0	5.8	386	140	2.0	5.2	0.6	0	0	0	0
5	0	0	5.2	386	106	2.5	4.7	0	0	0	0	0
6	0	0	4.2	386	24	6.6	4.2	0	0	0	0	0
7	0	0	4.2	386	30	14	4.2	0	0	0	0	0
8	0	0	4.7	358	18	14	4.2	0	0	0	0	0
9	0	0	5.2	294	18	11	3.6	0	0	0	0	0
10	0	0	4.7	256	18	8.7	3.6	0	0	0	0	0
11	0	0	4.2	128	18	8.7	3.6	0	0	0	0	0
12	0	0	3.6	92	15	7.4	3.6	0	0	0	0	0
13	0	0	3.6	83	14	20	3.6	0	0	0	0	0
14	0	0	3.6	112	12	7.4	2.0	0	0	0	0	0
15	0	0	3.1	145	12	4.5	2.0	0	0	0	0	0
16	0	0	91	145	14	12	1.8	0	0	0	0	0
17	0	0	137	145	20	11	2.0	0	0	0	0	0
18	0	0	45	145	14	11	2.0	0	0	0	0	0
19	0	0	94	145	14	11	2.0	0	0	0	0	0
20	0	0	75	145	14	11	2.0	0	0	0	0	0
21	0	0	243	150	12	11	1.8	0	0	0	0	0
22	0	0	113	145	12	9.9	1.8	0	0	0	0	0
23	0	0	210	145	12	9.9	1.8	0	0	0	0	0
24	0	0	378	145	12	9.9	1.6	0	0	0	0	0
25	0	0	370	145	8.7	8.7	1.5	0	0	0	0	0
26	0	0	370	140	12	7.4	1.5	0	0	0	0	0
27	0	0	370	130	12	8.7	1.5	0	0	0	0	0
28	0	+	370	135	12	8.7	1.3	0	0	0	0	0
29	0	146	370	140		7.4	1.1	0	0	0	0	0
30	0	16	378	135		6.9	0.9	0	0	0	0	0
31	0		378	135		6.9		0		0	0	
MEAN	0	5.40	131	206	35.8	9.38	2.94	0.09	0	0	0	0
ACRE FEET	0	321	8,050	12,690	1,990	577	175	5.8	0	0	0	0

YEAR OR PERIOD MEAN 32.9
ACRE-FEET 23,810

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F190-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER at Foothill Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	5.0	5.0	0	0	0	0	0	0
2	0	0	0	11.0	5.0	3.0	0	0	0	0	0	0
3	0	0	0	48	6.0	1.9	0	0	0	0	0	0
4	0	0	0	142	7.0	1.9	0	0	0	0	0	0
5	0	0	0	184	8.0	1.7	0	0	0	0	0	0
6	0	0	0	246	8.0	1.9	0	0	0	0	0	0
7	0	0	0	246	8.0	1.9	0	0	0	0	0	0
8	0	0	0	254	11.0	1.9	0	0	0	0	0	0
9	0	0	0	254	83	1.7	0	0	0	0	0	0
10	0	0	0	254	79	1.5	0	0	0	0	0	0
11	0	0	0	254	79	1.4	0	0	0	0	0	0
12	0	0	0	254	79	1.4	0	0	0	0	0	0
13	0	0	0	254	83	1.4	0	0	0	0	0	0
14	0	0	0	254	90	1.4	0	0	0	0	0	0
15	0	0	0	254	90	1.2	0	0	0	0	0	0
16	0	0	0	254	90	1.0	0	0	0	0	0	0
17	0	0	0	148	90	0.5	0	0	0	0	0	0
18	0	0	0	4.0	95	1.0	0	0	0	0	0	0
19	0	0	0	2.0	99	0.5	0	0	0	0	0	0
20	0	0	0	2.0	99	+	0	0	0	0	0	0
21	0	0	0	2.0	79	0	0	0	0	0	0	0
22	0	0	0	2.0	47	+	0	0	0	0	0	0
23	0	0	0	2.0	8.0	+	0	0	0	0	0	0
24	0	0	69	2.0	5.0	+	0	0	0	0	0	0
25	0	0	46	2.0	5.0	+	0	0	0	0	0	0
26	0	0	16.8	2.0	5.0	0	0	0	0	0	-	0
27	0	0	48	3.0	4.0	0	0	0	0	0	0	0
28	0	0	18.4	4.0	5.0	0	0	0	0	0	0	0
29	0	0	13.6	5.0	5.0	0	0	0	0	0	0	0
30	0	0	0	5.0		0	0	0	0	0	0	0
31	0		0	5.0		0		0		0	0	
MEAN	0	0	6.83	108	44.0	1.04	0	0	0	0	0	0
ACRE FEET	0	0	420	6,650	2,530	64	0	0	0	0	0	0

YEAR OR PERIOD MEAN 13.3
ACRE-FEET 9,660

STATION DATA SUMMARY

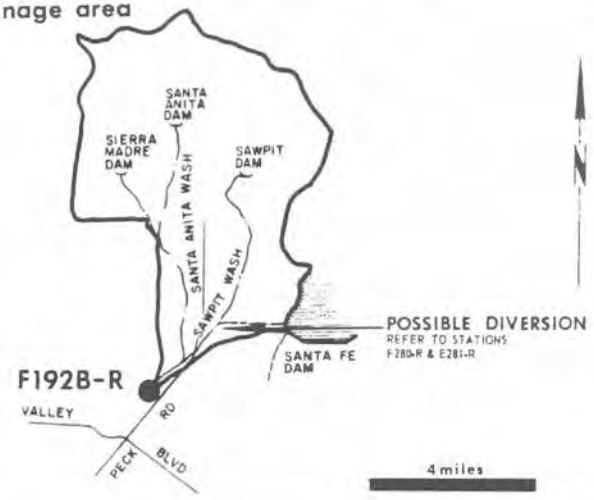
STA. NO. F190-R
SAN GABRIEL RIVER AT FOOTHILL BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	N.D.	0	N.D.	76220*			N.D.
1932-33	2530	0	15.7	11400	1	19	10000
1933-34	3150	0	20.3	14690	1	1	5550
1934-35	448	0	81.7	59220	4	8	1080
1935-36	169	0	21.1	15300	2	2	572
1936-37	1610	0	162	117400	2	19	2050
1937-38	22200	0	387.2	280300*	3	2	62000E
1938-39	220	0	15.0	10850	1	5	267
1939-40	388	0	13.7	9980	6	25	400
1940-41	4090	0	304	220100	3	4	5280
1941-42	312	0	5.5	3990	4	20	345
1942-43	10400E	0	318	230200	1	23	11400
1943-44	2750	0	163	118300	2	22	4840
1944-45	844	0	22.9	16620	2	2	1080
1945-46	1190	0	58.1	42060	12	23	1670
1946-47	3000	0	65.6	47520	12	28	3200
1947-48	1010	0	14.3	10370	6	2	1120
1948-49	0	0	0	0			0
1949-50	20	0	0.1	67	12	18	192
1950-51	0	0	0	0			0
1951-52	3860	0	98.1	71210	1	18	4670
1952-53	1030	0	56.9	41180	10	28	1060
1953-54	848	0	30.3	21920	4	16	2160
1954-55	3.8	0	+	38	1	18	12
1955-56	215	0	2.0	1430	1	26	800
1956-57	573	0	7.4	5320	4	17	585
1957-58	2270	0	229	165600	4	5	2520
1958-59	380	0	18.8	13590	1	6	3390
1959-60	13	0	0.7	499	4	27	90
1960-61	26	0	0.2	147	1	26	48
1961-62	1750	0	103	74270	2	12	2260
1962-63	47	0	0.3	237	2	9	301
1963-64	13	0	0.1	66	1	22	56
1964-65	293	0	11.0	7940	9	6	881
1965-66	8680	0	240	173700	11	23	9420
1966-67	2080	0	249	180000	12	6	9830
1967-68	232	0	33.0	23940	11	25	326
1968-69	22700	0	794	575300	1	26	N.D.
1969-70	378	0	32.9	23810	12	21	411
1970-71	1300	0	44.0	31850	3	1	1400
1971-72	254	0	13.3	9660	12	8	254

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 192B-R
RIO HONDO
below Lower Azusa Road

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 40.9 square miles (excludes area above Santa Fe Dam)

LOCATION – 300.0 feet downstream from Lower Azusa Road, 1.5 miles north of El Monte

REGULATION – partially regulated by Sierra Madre Dam, Santa Anita Dam, Sawpit Dam, Santa Fe Dam, Peck Pit, Buena Vista Pit, and several debris basins.

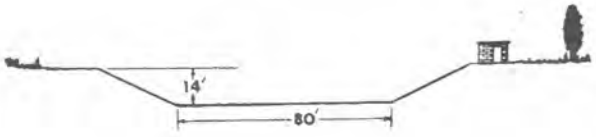
CHANNEL – concrete, tropezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F192-R, February 22, 1932, to May 7, 1958
at Station F192B-R, May 7, 1958, to date

REMARKS – subject to diversions from Monrovia, Sawpit, and Little Santa Anita Creeks. Also from the San Gabriel River below Santa Fe Dam; and for irrigation and spreading.

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F192B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO at Lower Azusa Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.2	3.5	0.3	0	0	36	0.3	0	0	0	0	+
2	1.2	3.1	0.2	0	+	62	0.2	0	0	0	0	+
3	1.6	3.1	0.1	0	0	75	+	0	0	0	0	+
4	1.2	3.5	+	0	+	251	+	+	0	0	0	+
5	1.2	3.1	0.1	0	+	100	+	0	0	0	0	+
6	1.2	33	+	0	+	42	0	0	0	0	0	+
7	1.2	2.1	+	0	+	105	0	0	0	0	0	+
8	0.8	0.6	0.5	0	+	105	0	0	0	0	0	+
9	0.8	0.5	0.3	0	1.9	60	+	0	0	0	0	+
10	0.8	0.6	0.2	1.6	25	39	+	0	0	0	+	+
11	0.8	0.2	0.2	1.8	21	76	+	0	0	0	0	+
12	1.2	7.3	0.2	0.4	29	76	+	0	0	0	0	0
13	1.6	22	0.3	0.2	19.7	61	+	0	0	0	0	0
14	2.3	22	0.2	2.8	13.6	48	+	0	0	0	0	0
15	2.7	20	+	0.7	9.1	35	0	0	0	0	0	0
16	2.3	18	0	3.9	4.6	26	0	0	0	0	0	0
17	2.7	9.9	0	0.5	3.9	19.7	0	0	0	0	0	0
18	2.7	0.4	+	0.4	3.5	13.6	0	0	0	0	0	0
19	2.7	6.2	0	0.3	3.1	9.1	0	0	0	0	0	0
20	2.7	6.9	0	1.6	1.9	6.9	0	+	0	0	0	0
21	2.7	4.6	+	2.3	1.6	3.9	0	0	0	0	0	0
22	2.7	3.9	0.5	1.6	0.7	3.5	0	0	0	0	0	0
23	2.7	3.1	+	0.8	0.5	3.9	0	0	0	0	0	0
24	3.1	2.3	0	0.7	+	3.5	0	0	0	0	0	0
25	3.1	1.9	0	0.5	+	2.3	+	0	0	0	0	0
26	3.5	1.6	+	0.4	+	1.9	+	0	0	0	0	0
27	3.5	1.2	0	0.2	+	1.2	+	0	0	0	+	0
28	3.1	0.7	0	+	58	1.6	0	0	0	0	+	0
29	3.1	0.5	0	0		11.4	0	0	0	0	+	0
30	3.5	0.5	0	0		22	0	0	0	0	+	0
31	3.5		0	0		0.6		0		0	+	
MEAN	2.17	6.21	1.00	0.67	7.04	42.0	0.02	+	0	0	+	+
ACRE-FEET	134	370	61	41	391	2,580	1.0	+	0	0	+	+

YEAR OR PERIOD MEAN 4.95
ACRE-FEET 3,580

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F192B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO at Lower Azusa Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	+	76	0	0	0	+	+	+	+	+
2	0	0	3.7	76	+	0	0	+	+	+	0.2	+
3	0	0	18.0	67	+	0	+	+	+	0.2	0.2	+
4	0	0	24	64	+	0	+	+	+	+	0.2	+
5	0	0	19.7	61	+	0	+	+	+	+	+	+
6	0	0.6	17.8	54	0	+	+	0.5	+	+	0.2	+
7	0	+	15.9	51	0	+	+	+	+	+	0.3	+
8	0	0.8	14.8	48	0	+	+	+	+	+	+	+
9	0	0.5	22	42	0	+	+	0	+	+	0.2	+
10	0	0	12.5	31	0	+	+	+	0	+	0.2	+
11	0	0.5	15.9	24	0	+	+	+	+	+	0.5	+
12	0	0	11.4	16.8	0	0.2	+	+	+	+	0.3	0
13	0	0	6.9	15.4	0	10.0	+	0	0.2	0.2	0.2	+
14	0	0	3.9	14.8	0	+	2.8	+	+	+	0.4	+
15	0	0	2.7	8.0	0	+	+	0.2	+	+	+	+
16	0	0	3.1	8.0	7.1	+	0.5	+	0.2	+	0.3	+
17	0	0	2.3	5.8	14.1	+	1.5	+	+	+	0.2	+
18	0	0	14.6	3.9	0.5	0	+	+	0.2	+	+	+
19	0	0	14.0	3.5	0.5	+	0	+	0.3	0.2	+	0
20	0	0	2.4	1.9	0.3	+	0	0	+	+	+	+
21	0	0	21	0.7	+	0	0	+	+	0.3	+	+
22	0	0	0.4	0.7	+	+	0	+	+	+	+	+
23	0	0	30	0.6	0	+	+	+	+	+	+	0
24	0	+	81	0.6	0	+	+	+	+	0.2	+	0
25	0	2.9	95	0.5	0	0	0	+	0.2	0.2	+	+
26	0	3.6	95	0.5	0	+	+	+	0.3	+	+	+
27	0	0.2	90	0.4	0	+	+	1.1	+	+	+	0
28	0	34	55	0.2	0	0	+	4.2	+	0.2	+	+
29	0	39	0.6	+		+	0	+	+	0.2	+	+
30	0	1.2	0.6	0		+	+	+	+	0.2	+	0
31	0		44	0		+		+		0.2	+	
MEAN	0	2.78	23.8	21.8	0.80	0.33	0.16	0.19	0.05	0.07	0.11	+
ACRE-FEET	0	165	1,460	1,340	45	20	9.5	12	2.8	4.2	6.7	+

YEAR OR PERIOD MEAN 4.24
ACRE-FEET 3,060

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F192B-R

DAILY DISCHARGE IN SECOND-FEET OF RIO HONDO below Lower Azusa Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0	+	0	0	0	+	0	0	0	0	+
2	+	+	0.9	0	0	0	+	0	0	0	0	+
3	+	+	0.3	+	0	0	+	0	0	0	0	+
4	+	+	0.1	+	0	0	+	0	0	0	0	+
5	+	+	+	+	0	0	+	0	0	0	0	+
6	+	+	+	+	0	0	+	0	0	0	0	+
7	0	+	+	+	0	0	+	0	0	0	0	+
8	0	+	0	+	0	0	+	0	0	0	0	+
9	0	+	+	+	0	0	+	0	0	0	0	+
10	0	+	0	+	0	+	0.1	0	0	0	0	+
11	+	+	+	+	0	+	0.1	0	0	0	0	+
12	0	2.1	+	+	0	+	+	0	0	0	3.7	+
13	+	+	1.2	+	0	+	+	0	0	0	+	+
14	0	+	+	+	0	0	0	0	0	0	+	+
15	+	+	+	+	0	0	0	0	0	0	+	+
16	2.3	+	+	+	0	0	0	0	0	0	0	+
17	0.3	+	+	+	0	+	0	0	0	0	+	+
18	+	+	+	0	0	+	0	0	0	0	0	+
19	+	+	+	+	0	+	0	0	0	0	+	+
20	+	+	+	0	0	+	0	0	0	0	+	+
21	+	+	+	0	0	0	0	0	0	0	+	+
22	+	+	11	+	0	0	0	0	0	0	+	+
23	+	+	0.1	+	0	+	0	0	0	0	+	+
24	1.6	+	50	+	0	+	0	0	0	0	+	+
25	+	+	6.4	+	0	+	0	0	0	0	+	+
26	+	+	+	0	0	+	0	0	0	0	+	+
27	+	+	23	0	0	+	0	0	0	0	+	+
28	+	+	2.9	0	0	0	0	0	0	0	+	+
29	0	+	+	0	0	0	0	0	0	0	+	+
30	0	+	+	0		+	0	0	0	0	+	+
31	+		+	0		+		0		0	+	
MEAN	0.13	0.07	33.09	+	0	+	+	0	0	0	0.12	+
ACRE-FEET	8.3	4.2	190	+	0	+	0.4	0	0	0	7.3	+

YEAR OR PERIOD MEAN 0.29
ACRE-FEET 210

STATION DATA SUMMARY

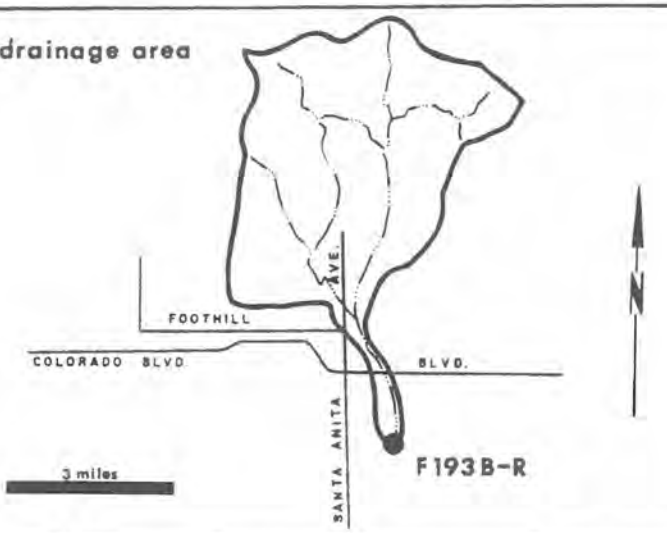
STA. NO. F1928-R
RIO HONDO BELOW LOWER AZUSA ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1931-32	*	0	*	12710*			N.D.
1932-33	937	0	5.2	3800	1	20	5160
1933-34	2700	0	11.2	8110	1	1	5860
1934-35	324	0	11.3	8160	4	8	604
1935-36	114	0	4.7	3400	2	11	391
1936-37	904	0	38.6	27960	2	20	1030E
1937-38	10500	0	241	174300	3	2	31000E
1938-39	191	0	2.2	1570	1	5	680
1939-40	224	0	5.0	3640	1	7	288
1940-41	2220	0	113	81450	3	4	4000
1941-42	214	0.1	2.7	1980	12	10	254
1942-43	1300E	0	14.7	10680	1	23	3500
1943-44	502	0.3	15.9	11600	2	22	1080
1944-45	112	0.1	1.9	1380	11	11	1060
1945-46	267	0	18.0	13030	12	23	483
1946-47	279	0	11.8	8560	11	27	283
1947-48	570	0	7.2	5250	6	7	584
1948-49	4.9	0	0.1	71	2	27	50
1949-50	24	0	0.3	203	12	18	124
1950-51	24	0	0.3	234	1	11	636
1951-52	753	0	8.7	6340	1	16	2180
1952-53	785	0	9.0	6550	11	15	944
1953-54	654	0	14.9	10800	2	13	1740
1954-55	184	0	2.0	1460	1	18	2340
1955-56	1020	0	4.0	2940	1	26	3030
1956-57	390	0	5.9	4280	2	23	2270
1957-58	735	0	32.6	23610*	2	19	1530
1958-59B	218	0	1.8	1290*	1	6	1530
1959-60	30	0	0.4	303	1	12	185
1960-61	16	0	0.2	131	11	5	132
1961-62	630	0	13.1	9450	2	12	856
1962-63	28	0	0.3	221	3	16	182
1963-64	22	0	0.3	187	1	21	296
1964-65	32	0	0.5	340	4	9	397
1965-66	261	0	7.7	5570	11	24	1440
1966-67	175	0	14.7	10620	1	22	438
1967-68	61	0	0.8	575	3	8	714
1968-69	4380	0	100	72550	1	25	10600
1969-70	251	0	5.0	3580	3	4	1160
1970-71	95	0	4.2	3060	11	29	446
1971-72	5.0	0	0.3	210	12	24	266

B = RECORD BEGAN AT B LOCATION 12-18-58.

STATION NO. F 193 B-R
SANTA ANITA WASH
at Longden Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 18.8 square miles

LOCATION – 30.0 feet above Longden Avenue, 1.5 miles south of Arcadia

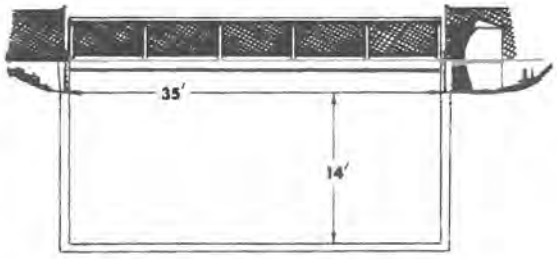
REGULATION – regulated by Santa Anita and Sierra Madre Dams, and Santa Anita Debris Basin

CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F193-R, April 25, 1932, to March 1, 1938
at Station F193B-R, January 5, 1960, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F193B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA ANITA WASH at Longden Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 1.0	e 2.5	e 0.2	e +	e 1.0	e 98	e 2.0	e 0.2	e 0.4	e 0.2	e 0.1	e 0.5
2	e 1.0	e 2.5	e 0.2	e +	e 1.0	e 120	e 2.0	e 0.2	e 0.3	e 0.2	e 0.1	e 0.5
3	e 1.0	e 2.0	e 0.2	e +	e 1.0	e 50	e 2.0	e 0.3	e 0.2	e 0.2	e 0.1	e 0.5
4	e 1.0	e 2.0	e 0.2	e +	e 1.0	e 128	e 2.0	e 0.3	e +	e 0.2	e 0.1	e 0.5
5	e 1.0	e 1.0	e 0.3	e +	e 1.0	e 50	e 2.0	e 0.4	e 0.1	e 0.2	e 0.1	e 0.5
6	e 1.0	e 150	e 0.4	e +	e 1.0	e 30	e 1.0	e 0.4	e 0.1	e 0.2	e 0.1	e 0.5
7	e 1.0	e 5.0	e 0.4	e +	e 1.0	e 25	e 1.0	e 0.5	e 0.1	e 0.2	e 0.1	e 0.5
8	e 1.0	e 1.0	e 0.5	e +	e 1.0	e 20	e 1.0	e 0.5	e 0.2	e 0.2	e 0.1	e 0.5
9	e 1.0	e 0.9	e 0.5	e 0.1	e 1.0	e 15.0	e 1.0	e 0.5	e 0.2	e 0.2	e 0.1	e 0.5
10	e 1.0	e 0.8	e 0.5	e 10.0	e 81	e 10.0	e 1.0	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
11	e 1.0	e 0.7	e 0.5	e 2.0	e 6.0	e 5.0	e 1.0	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
12	e 1.5	e 0.6	e 0.5	e 0.1	e 1.0	e 4.0	e 0.5	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
13	e 1.5	e 0.5	e 0.5	e 0.1	e 0.1	e 4.0	e 0.5	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
14	e 2.0	e 0.5	e 0.5	e 1.0	e 0.1	e 4.0	e 0.5	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
15	e 2.5	e 0.5	e 0.5	e 0.1	e 0.1	e 4.0	e 0.5	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
16	e 3.0	e 0.5	e 0.5	e 10.0	e 0.1	e 4.0	e 0.5	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
17	e 3.0	e 0.5	e 0.4	e 2.0	e 0.1	e 4.0	e 0.4	e 0.5	e 0.2	e 0.1	e +	e 0.5
18	e 3.0	e 0.5	e 0.4	e 0.1	e 0.1	e 4.0	e 0.4	e 0.5	e 0.2	e 0.1	e +	e 0.5
19	e 3.0	e 0.5	e 0.4	e 0.1	e 0.1	e 4.0	e 0.3	e 0.5	e 0.2	e 0.1	e +	e 0.5
20	e 3.0	e 0.5	e 0.4	e 0.1	e 0.1	e 4.0	e 0.3	e 0.5	e 0.2	e 0.1	e +	e 0.5
21	e 3.0	e 0.4	e 0.3	e 0.1	e 0.1	e 4.0	e 0.2	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
22	e 3.0	e 0.4	e 0.3	e 0.1	e 0.1	e 3.0	e 0.1	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
23	e 3.0	e 0.3	e 0.2	e 0.1	e +	e 3.0	e 0.1	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
24	e 3.0	e 0.3	e 0.2	e 0.2	e +	e 3.0	e 0.1	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
25	e 3.0	e 0.2	e 0.2	e 0.3	e +	e 3.0	e 0.1	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
26	e 3.0	e 0.2	e 0.1	e 0.5	e +	e 2.0	e 0.1	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
27	e 3.0	e 0.2	e 0.1	e 0.7	e +	e 2.0	e 0.2	e 0.5	e 0.2	e 0.1	e 0.1	e 0.5
28	e 3.0	e 0.2	e 0.1	e 0.9	e 92	e 2.0	e 0.2	e 0.5	e 0.2	e 0.1	e 0.2	e 0.5
29	e 3.0	e 0.2	e +	e 1.0		e 2.0	e 0.2	e 0.5	e 0.2	e 0.1	e 0.3	e 0.5
30	e 3.0	e 0.2	e +	e 1.0		e 2.0	e 0.2	e 0.5	e 0.2	e 0.1	e 0.4	e 0.5
31	e 3.0		e +	e 1.0		e 2.0		e 0.5		e 0.1	e 0.5	
---	2.15	5.85	0.31	1.70	6.79	21.0	0.71	0.46	0.19	0.13	0.12	0.50
---	132	348	19	79	377	1,220	42	28	12	7.9	7.3	30

YEAR OR PERIOD MEAN 3.18

ACRE-FEET 2,300

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F193B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA ANITA WASH at Longden Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 0.5	e 1.0	e 15.0	+	+	+	+	+	+	+	+	+
2	e 0.5	e 1.0	e 30	+	+	+	+	+	+	+	+	+
3	e 0.5	e 1.0	e 11.0	+	+	+	+	+	+	+	+	+
4	e 0.5	e 1.0	e 28	+	+	+	+	+	+	+	+	+
5	e 0.5	e 1.0	e 42	+	+	+	+	+	+	+	+	+
6	e 0.5	e 1.0	e 38	+	+	+	+	1.0	+	+	+	+
7	e 0.5	e 1.0	e 27	+	+	+	+	+	+	+	+	+
8	e 0.5	e 1.0	e 18.5	+	+	+	+	+	+	+	+	+
9	e 0.5	e 1.0	e 4.2	+	+	+	+	+	+	+	+	+
10	e 0.5	e 1.0	e 42	+	+	+	+	+	+	+	+	+
11	e 0.5	e 1.0	e +	+	+	+	+	+	+	+	+	+
12	e 0.5	e 1.0	e +	2.5	+	+	+	+	+	+	+	+
13	e 0.5	e 0.9	e +	+	+	22	+	+	+	+	+	+
14	e 0.5	e 0.8	e +	+	+	+	1.0	+	+	+	+	+
15	e 0.5	e 0.7	e +	+	+	+	+	+	+	+	+	+
16	e 0.5	e 0.6	e 1.0	+	13.6	+	+	+	+	+	+	+
17	e 0.5	e 0.5	e 2.0	+	25	+	0.3	+	+	+	+	+
18	e 0.6	e 0.5	49	+	+	+	+	+	+	+	+	+
19	e 0.6	e 0.5	49	+	+	+	+	+	+	+	+	+
20	e 0.7	e 0.5	15.2	+	+	+	+	+	+	+	+	+
21	e 0.7	e 0.5	109	+	+	+	+	+	+	+	+	+
22	e 0.8	e 0.5	4.6	+	+	+	+	+	+	+	+	+
23	e 0.8	e 0.5	0.3	+	+	+	+	+	+	+	+	+
24	e 0.8	e 0.5	35	+	+	+	+	+	+	+	+	+
25	e 0.8	e 0.8	71	+	+	+	+	+	+	+	+	+
26	e 0.9	e 0.8	47	+	+	+	+	+	+	+	+	+
27	e 0.9	e 0.5	7.8	+	+	+	+	+	+	+	+	+
28	e 0.9	e 70	5.7	+	+	+	+	0.3	+	+	+	+
29	e 0.9	e 350	1.4	+		+	+	+	+	+	+	+
30	e 0.9	e 45	+	+		+	+	+	+	+	+	+
31	e 0.9		+	+		+		+		+		
MEAN	0.65	16.2	21.1	0.08	1.38	0.71	0.04	0.04	+	+	+	+
ACRE-FEET	40	964	1,300	5.0	77	44	2.6	2.6	+	+	+	+

YEAR OR PERIOD MEAN 3.36
ACRE-FEET 2,440

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F193B-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA ANITA WASH at Longden Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	+	+	0	0	+	0	+	0	+	+	+
2	0	+	+	0	0	+	0	+	+	0	+	+
3	0	+	+	0	0	+	0	+	+	+	+	0.9
4	0	0.3	+	0	0	0	0	0	0	+	+	+
5	0	0.3	0	0	+	+	+	0	+	+	+	+
6	0	0.3	0	0	0	0	+	0	+	+	+	+
7	0	0.3	+	0	0	0	+	+	+	+	0.2	+
8	0	0.2	+	0	0	+	+	+	+	+	+	+
9	0	0.2	+	0	+	+	+	0	+	+	+	+
10	0	0.2	+	0	+	+	+	+	+	+	+	+
11	0	1.0	+	+	+	+	+	0	+	+	+	+
12	0	6.4	+	+	+	+	0	+	+	+	5.2	+
13	0	+	0.1	+	+	+	0	0	+	+	+	+
14	0	+	+	+	0	+	+	+	0	+	+	+
15	0	+	0	+	0	+	+	0	0	+	-	+
16	0.8	+	+	+	0	+	+	+	+	+	+	+
17	0	1.8	0	0	0	+	+	+	+	+	+	+
18	0	+	0	0	0	+	2.3	+	+	+	+	+
19	0	+	+	+	+	+	+	+	+	+	+	+
20	0	+	0	0	+	+	0	+	0	+	+	+
21	0	+	0	0	0	+	+	+	+	+	+	+
22	0	0.1	14	+	0	+	0	0	0.1	+	+	+
23	0	0.7	+	+	0	+	0	0	+	+	+	+
24	0.1	0.2	71	0	+	2.1	0	+	+	+	+	+
25	0	0.1	16	+	+	0	+	+	+	+	+	+
26	0	0.1	1.4	0	+	0	0	+	0	+	+	+
27	0	0.1	30	0	0	0	0	+	0	+	0.4	+
28	0	0.1	3.7	0	0	0	+	+	+	+	+	+
29	0	0.1	0	+	0	0	0	+	+	-	+	+
30	0	0.1	0	0		0	0	+	+	+	+	+
31	0		0	0		0		+		+	+	
MEAN	0.03	0.4	4.4	+	+	0.06	0.08	+	+	+	0.19	+
ACRE-FEET	1.8	25	270	+	+	4.2	4.6	+	0.2	+	12	1.8

YEAR OR PERIOD MEAN 0.44
ACRE-FEET 320

STATION DATA SUMMARY

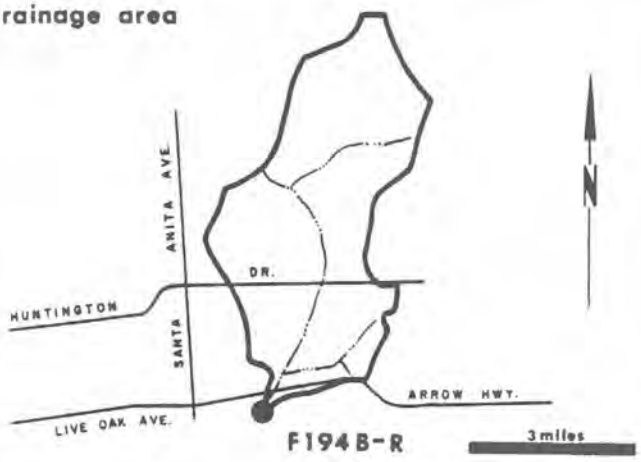
STA. NO. F1938-R
SANTA ANITA WASH AT LONGDEN AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1959-60B	55	+	0.6	465	4	27	534
1960-61	33	0	0.3	216	11	12	314
1961-62	693	0	8.2	5910	2	11	1780
1962-63	101	0	1.0	709	2	9	621
1963-64	47	0	0.9	650	11	20	581
1964-65	63	0	1.4	985	4	9	518
1965-66	541	+	12.0	8730	12	29	1380
1966-67	613	+	16.0	11570	12	6	1180
1967-68	111	+	1.7	1230	11	19	816
1968-69	2750	+	46.9	33930	1	25	6850
1969-70	150	+	3.2	2300	3	2	1290
1970-71	350	+	3.4	2440	12	21	590
1971-72	71	0	0.4	320	12	24	324

B = RECORD BEGAN AT B LOCATION 01-05-60.
* = RECORD INCOMPLETE
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 194 B-R
SAWPIT WASH
below Live Oak Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 16.1 square miles

LOCATION – 1,500 feet below Arrow Highway, 3.0 miles south of Monrovia

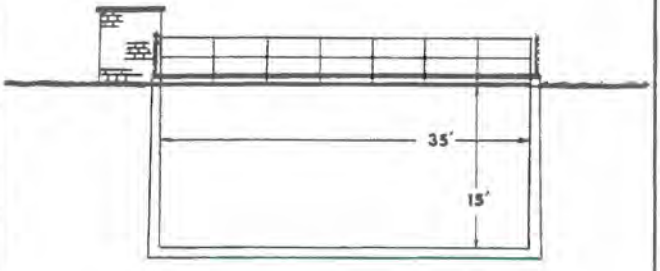
REGULATION – partially regulated by Sawpit and Santa Fe Dams, and by several debris basins

CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F194-R, February 22, 1932 to September 1, 1935
at Station F194B-R, December 5, 1960, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F194B-R

DAILY DISCHARGE IN SECOND-FEET OF SAWPIT WASH above Arrow Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	3.1	2.7	0.6	0.3	0.1	271	6.4	4.5	0.1	0.2	0.4	0.2
2	3.6	2.2	0.6	0.3	0.1	107	1.3	4.5	0.1	0.2	1.8	0.1
3	3.1	2.6	0.6	0.3	0.1	173	2.2	2.7	0.1	0.1	0.8	0.1
4	2.7	1.8	0.6	0.3	0.2	187	2.0	2.7	0.1	+	0.2	0.2
5	2.7	2.6	0.8	0.2	0.4	25	1.5	6.8	0.1	+	0.2	0.3
6	2.7	123	1.1	0.2	0.3	2.7	1.3	10.5	0.2	0.1	0.2	1.5
7	2.4	3.6	1.1	0.2	0.2	2.0	1.1	10.5	0.2	+	0.2	1.5
8	2.2	1.5	1.5	0.3	0.1	1.3	0.4	9.7	0.2	0.1	0.4	0.3
9	2.0	0.6	1.8	0.4	3.4	1.1	0.4	8.1	0.2	0	2.0	0.1
10	2.0	0.4	0.6	14.7	117	1.1	0.4	7.3	0.1	+	0.4	0.1
11	2.2	0.3	0.4	6.4	0.8	1.3	0.3	7.3	+	+	0.2	0.1
12	2.2	0.3	0.4	1.3	0.2	1.3	0.3	8.1	0.3	0	0.2	0.2
13	2.2	0.4	0.4	0.3	0.3	1.3	0.2	8.9	0.6	0	0.2	1.3
14	2.7	0.4	0.4	7.1	0.2	0.3	0.2	2.7	0.3	+	0.3	0.3
15	2.7	0.6	0.3	0.8	0.2	0.2	0.2	1.5	0.1	0	0.4	0
16	3.1	1.3	0.3	36	0.4	0.4	0.2	0.4	0.1	0.1	2.4	0
17	3.1	1.1	0.3	0.1	1.5	2.0	2.0	0.2	0.1	0	1.1	+
18	2.7	0.4	0.3	0.1	0.6	1.1	21	0.3	0.2	0.2	0.3	0
19	2.7	0.4	0.3	0.1	0.4	0.6	21	0.4	0.3	0.3	0.3	0.2
20	2.7	0.3	0.3	0.1	0.3	0.4	18.0	0.4	0.3	0.2	0.3	0.8
21	2.4	0.3	0.4	0.1	0.2	0.3	18.0	0.2	0.2	0.1	0.3	0.2
22	2.7	0.4	0.4	+	0.2	0.3	18.0	0.2	0.2	0.2	0.6	0
23	3.6	0.8	0.4	+	0.2	0.3	18.0	0.1	0.2	0.1	2.4	0
24	3.1	0.4	0.4	0.1	0.2	0.4	16.7	0.1	0.2	0.2	1.1	+
25	2.7	0.4	0.4	0.1	0.2	0.3	12.2	0.1	0.2	0.3	0.3	0.1
26	2.7	0.6	0.4	0.1	0.2	0.4	6.8	0.2	0.2	0.2	0.3	+
27	2.7	0.6	0.3	0.1	0.3	0.4	6.8	0.2	0.2	0.2	0.2	+
28	2.7	0.4	0.3	0.1	773	15.4	6.8	0.2	0.1	0.2	0.2	+
29	2.7	0.4	0.3	0.1		44	7.3	0.1	0.2	0.2	0.4	0.1
30	2.7	0.4	0.3	0.1		33	5.9	+	0.1	0.2	2.0	+
31	2.4		0.3	0.1		4.5		0.1		0.3	0.4	
cfs	2.68	5.04	0.54	2.27	32.2	28.4	6.56	3.19	0.18	0.12	0.66	0.26
acre-ft	165	300	33	139	1,790	1,740	390	196	11	7.7	41	16

YEAR OR PERIOD MEAN 6.67
ACRE-FEET 4,830

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F194B-R

DAILY DISCHARGE IN SECOND-FEET OF SAWPIT WASH above Arrow Highway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.1	4.1	56	a 1.5	0.4	0.4	0.8	0.3	0.2	0.2	0.1
2	0.2	0.1	19.0	60	a 1.5	1.3	0.4	0.8	0.1	0.1	0.2	0.1
3	0.2	0.2	3.1	56	a 1.5	0.8	0.2	0.8	0.1	0.1	0.2	0.1
4	0.2	0.2	2.4	56	1.5	0.8	0.1	0.6	0.2	0.1	0.2	0.1
5	0.2	0.4	2.2	58	1.3	0.4	0.1	0.4	0.6	0.1	0.2	0.1
6	0.2	0.4	2.0	56	1.3	0.2	0.1	5.2	0.6	0.1	0.2	0.1
7	0.1	0.4	2.2	56	1.1	0.2	0.2	0.4	0.3	0.2	0.2	0.1
8	0.1	0.4	2.0	a 44	1.1	1.7	0.1	0.2	0.3	0.2	0.2	0.1
9	0.1	0.3	13.1	8.1	1.1	0.4	0.1	0.2	0.3	0.2	0.2	0.1
10	0.1	0.2	1.3	6.8	0.8	0.4	0.1	0.3	0.8	0.1	0.2	0.2
11	0.1	0.1	1.1	6.8	0.8	0.2	0.1	0.3	0.8	0.1	0.2	0.2
12	0.1	0.1	0.3	29	0.4	0.6	0.1	0.2	0.6	0.2	0.2	0.1
13	0.1	0.1	0.2	6.8	0.8	44	0.1	0.3	0.6	0.2	0.2	0.2
14	0.1	0.1	0.3	3.6	0.6	0.1	12.0	0.3	0.3	0.2	0.3	0.4
15	0.1	0.1	0.3	11.9	0.8	0.1	0.4	0.2	0.2	0.2	0.3	0.6
16	0.2	0.1	4.2	15.3	20	0.2	3.7	0.2	0.2	0.2	0.2	0.3
17	0.1	0.2	10.8	1.8	39	0.1	10.2	0.4	0.1	0.2	0.2	0.2
18	0.1	0.2	40	1.5	b 0.4	0.2	1.3	0.4	0.2	0.1	0.2	0.3
19	0.2	0.2	56	1.3	0.6	0.3	1.1	0.4	0.2	0.2	0.2	0.1
20	0.1	0.2	8.1	1.3	0.2	0.2	0.8	0.3	0.1	0.2	0.2	+
21	0.1	0.2	132	2.7	0.2	0.2	0.4	0.3	0.1	0.2	0.1	0.2
22		0.2	11.4	1.3	0.2	0.2	0.4	0.2	0.2	0.2	0.1	0.2
23	0.3	0.4	42	1.3	0.2	0.2	0.4	0.2	0.2	0.2	0.1	0.1
24	0.2	0.2	96	a 1.3	0.6	0.2	0.6	0.2	0.3	0.2	0.2	0.1
25	0.1	8.3	99	a 1.3	0.4	0.3	0.4	0.2	0.3	0.2	0.2	0.1
26	0.1	8.6	99	a 1.3	0.2	0.8	0.6	0.1	0.1	0.2	0.1	+
27	0.1	0.4	96	a 1.3	0.2	0.4	0.6	0.7	0.1	0.3	0.2	0.1
28	+	90	85	a 1.4	0.2	0.6	1.5	5.2	0.2	0.2	0.2	0.1
29	0.1	196	58	a 1.4		0.6	1.3	0.6	0.2	0.2	0.2	0.1
30	0.2	14.1	58	a 1.4		0.4	0.8	0.6	0.2	0.2	0.2	0.1
31	0.1		58	a 1.4		0.6		0.6		0.2	0.1	

MEAN	0.13	10.8	32.5	17.8	2.80	1.84	1.29	0.70	0.29	0.18	0.19	0.15
ACRE-FEET	8.0	640	2,000	1,100	156	113	77	43	17	11	12	9.1

YEAR OR PERIOD MEAN 5.77
ACRE-FEET 4,190

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F194B-R

DAILY DISCHARGE IN SECOND-FEET OF SAWPIT WASH below Live Oak Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.1	0.2	0.3	0.2	0.2	1.1	a 0.1	0.1	a 0.5	0.2	0.2	0.2
2	0.2	0.2	0.6	0.2	0.2	0.6	a 0.1	0.2	a 0.5	0.4	0.2	0.3
3	0.3	0.1	1.3	2.6	0.2	0.2	0.1	0.2	a 0.5	0.3	0.2	1.3
4	0.2	0.2	0.3	5.4	0.2	0.3	0.1	0.2	a 0.6	0.1	0.2	2.2
5	0.2	0.2	0.2	5.9	1.1	0.1	0.1	0.1	a 0.6	0.2	0.4	0.6
6	0.2	0.1	0.2	5.9	0.7	0.3	0.1	0.1	0.6	0.1	0.1	0.6
7	0.1	0.1	0.9	5.0	0.2	0.3	0.1	0.1	0.6	0.2	0.2	1.3
8	0.1	0.1	0.9	3.1	0.3	0.3	0.1	0.1	1.7	0.2	0.2	1.5
9	0.2	0.1	0.9	3.1	0.2	0.2	0.1	0.1	0.9	0.1	0.2	1.3
10	0.1	0.1	1.1	3.1	0.2	0.1	0.1	a 0.1	a 0.9	0.1	0.2	1.5
11	0.1	1.6	0.3	2.7	0.2	0.2	a 0.1	a 0.1	a 1.0	0.1	0.2	0.9
12	0.1	10.3	0.2	2.7	0.3	0.1	a 0.1	a 0.1	a 1.1	0.2	10.1	0.6
13	0.2	0.6	3.2	2.7	0.3	0.3	a 0.1	a 0.1	a 1.2	0.2	1.1	0.4
14	0.1	0.6	0.4	2.7	0.3	0.6	a 0.1	a 0.1	a 1.3	0.2	1.1	0.1
15	0.2	0.4	0.3	2.7	0.3	0.3	a 0.1	a 0.1	a 1.4	0.2	0.3	0.2
16	3.6	0.3	0.1	2.7	0.2	0.1	a 0.1	a 0.1	a 1.5	0.1	0.4	0.2
17	0.6	0.4	0.1	2.7	0.1	0.1	a 0.1	a 0.1	a 1.6	0.2	0.1	0.4
18	0.6	0.1	0.2	2.7	0.2	0.1	a 0.1	a 0.1	a 1.7	0.2	0.4	0.4
19	0.3	+	0.9	61	0.2	0.2	a 0.1	a 0.1	a 1.8	0.1	0.2	0.3
20	0.1	0.4	0.6	91	0.2	0.1	a 0.1	a 0.1	a 1.9	0.4	0.1	0.4
21	0.1	0.9	0.2	52	0.2	0.1	a 0.1	a 0.1	a 2.1	0.1	0.1	0.4
22	0.2	0.7	41	1.1	0.2	0.1	a 0.1	a 0.1	a 2.2	0.4	0.1	3.4
23	0.1	0.5	0.3	0.4	0.2	0.1	a 0.1	a 0.1	a 2.3	0.1	0.2	1.5
24	4.0	0.1	142	0.2	0.1	0.2	a 0.1	a 0.1	a 2.4	0.1	0.2	1.5
25	0.9	0.1	34	0.2	0.1	0.1	a 0.1	0.2	a 2.5	0.1	0.1	1.1
26	0.4	0.1	0.6	0.1	0.1	0.1	a 0.1	0.2	a 2.7	0.2	1.4	0.4
27	0.9	0.1	74	0.5	0.2	0.3	a 0.1	a 0.2	0.2	0.1	2.1	0.3
28	0.9	0.2	15	0.4	0.2	0.1	a 0.1	a 0.3	0.2	0.2	1.3	0.1
29	0.4	a 0.2	2.0	0.1	0.2	0.1	a 0.1	a 0.3	0.2	0.2	0.9	0.1
30	0.4	a 0.2	0.4	0.1		0.1	a 0.1	a 0.4	0.1	0.1	0.4	0.2
31	0.3		0.4	0.2		0.1		a 0.4		0.2	0.4	

MEAN	0.4	0.6	10.4	8.4	0.3	0.2	0.1	0.2	1.2	0.2	0.8	0.8
ACRE-FEET	25	38	640	522	15	14	6.0	9.3	73	11	46	47

YEAR OR PERIOD MEAN 2.0
ACRE-FEET 1,450

STATION DATA SUMMARY

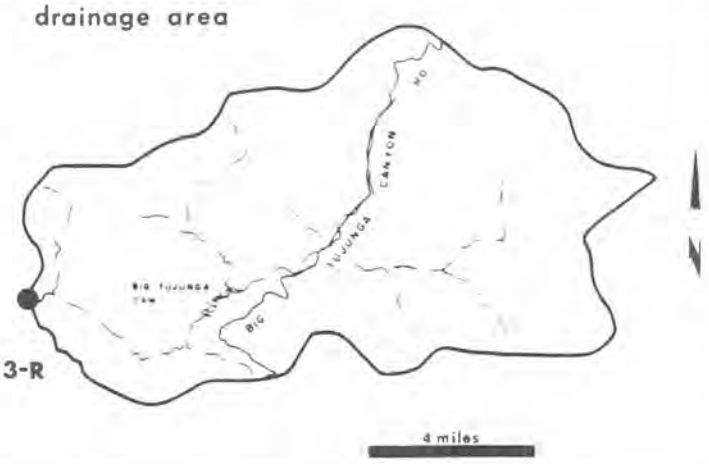
STA. NO. F194B-R
SAWPIT WASH BELOW LIVE OAK AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1960-61B	50	+	*	263*	1	26	420
1961-62	573	+	16.6	11980	2	11	1300
1962-63	137	+	1.6	1180	2	9	690
1963-64	83	+	1.6	1190	1	22	682
1964-65	95	+	2.1	1500	4	9	1290
1965-66	243	+	7.3	9240	12	29	1470
1966-67	298	+	22.0	16020	12	3	1120
1967-68	130	+	2.1	1520	11	19	1870
1968-69	1270	+	53.7	38870	1	25	3960
1969-70	773	0	6.7	4830	2	28	2800
1970-71	196	+	5.8	4190	11	29	1350
1971-72	142	0.1	2.0	1450	12	24	519

B = RECORD BEGAN AT B LOCATION 12-05-60.
* = RECORD INCOMPLETE
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 213-R
BIG TUJUNGA CREEK above Gold Canyon

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading at from cable car

DRAINAGE AREA – 106 square miles, 82.3 square miles controlled by Big Tujunga Dam

LOCATION – 2.0 miles above mouth of canyon, 7.0 miles below Big Tujunga Dam, 4.0 miles northeast of Sunland

REGULATION – flow regulated by Big Tujunga Dam

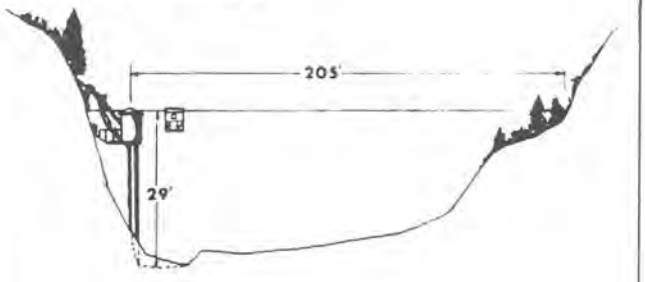
CHANNEL – gravel and boulders, natural section

CONTROL – concrete

LENGTH OF RECORD – October 1, 1932, to date

REMARKS – Record from October 1, 1916 to September 30, 1932, are available in Water Supply Papers published by USGS

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F213-R

DAILY DISCHARGE IN SECOND-FEET OF BIG TUJUNGA CREEK above Gold Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	b 15	16	19	19	18	208	43	b 20	v 12.0	v 4.6	v 3.8	v 3.7
2	b 15	16	19	19	18	187	45	b 20	v 12.0	v 4.5	v 3.8	v 4.2
3	b 15	17	19	19	17	143	42	b 19	v 11.0	v 4.4	v 3.3	v 4.3
4	b 15	17	18	18	17	194	37	b 18	v 11.0	v 4.2	v 3.3	v 4.1
5	b 15	18	20	18	17	185	34	b 17	v 11.0	v 4.1	v 3.4	v 3.3
6	b 15	25	20	18	17	120	31	b 16	v 11.0	v 3.9	v 3.4	v 3.7
7	b 15	44	20	18	11	113	29	b 16	v 11.0	v 3.7	v 3.5	v 3.5
8	b 14	26	21	18	10	115	26	b 16	v 10.0	v 3.5	v 3.7	v 3.3
9	b 14	25	22	18	16	120	24	b 16	v 10.0	v 3.3	v 3.8	v 3.1
10	b 15	24	23	23	71	118	24	b 16	v 10.0	v 3.3	v 4.1	v 3.0
11	b 15	23	23	22	149	115	24	b 15	v 10.0	v 3.3	v 4.3	v 2.9
12	b 15	22	23	24	50	115	23	b 15	v 10.0	v 3.2	v 4.4	v 3.0
13	b 16	22	22	23	27	94	79	b 15	v 10.0	v 3.2	v 4.5	v 3.1
14	b 16	22	21	22	21	62	101	b 15	v 10.0	v 3.2	v 4.4	v 3.2
15	b 16	22	21	21	22	59	b 34	b 15	v 10.0	v 3.2	v 4.3	v 3.3
16	b 16	21	21	26	24	58	b 34	b 15	v 9.5	v 3.2	v 4.2	v 3.4
17	b 16	21	20	29	21	57	b 32	b 14	v 9.0	v 3.1	v 4.1	v 3.5
18	b 16	21	21	24	20	51	b 30	b 14	v 8.5	v 3.1	v 4.0	v 3.5
19	b 16	21	21	21	19	48	b 28	b 14	v 8.0	v 3.1	v 3.9	v 3.5
20	b 16	21	21	21	21	48	b 26	b 13	v 7.5	v 3.1	v 3.8	v 3.5
21	b 16	21	20	21	21	47	b 24	b 13	v 7.0	v 3.0	v 3.6	v 3.4
22	b 16	21	20	21	23	46	b 22	b 13	v 6.5	v 3.0	v 3.4	v 3.4
23	b 16	21	20	21	24	45	b 22	b 13	v 6.0	v 3.0	v 3.2	v 3.4
24	b 16	21	19	20	25	44	b 22	b 13	v 6.0	v 3.0	v 3.1	v 3.4
25	b 16	21	19	20	26	44	b 21	b 13	v 5.4	v 3.0	v 3.0	v 3.4
26	b 16	21	19	19	26	44	b 21	b 13	v 5.3	v 3.1	v 2.8	v 3.3
27	b 16	21	19	19	27	44	b 21	b 13	v 5.2	v 3.1	v 2.6	v 3.3
28	b 15	19	19	19	134	45	b 20	b 12	v 5.1	v 3.2	v 2.8	v 3.2
29	b 15	19	18	18		46	b 20	b 12	v 5.0	v 3.2	v 3.0	v 3.1
30	b 15	19	19	18		46	b 20	b 12	v 4.8	v 3.2	v 3.2	v 3.0
31	b 16		19	18		45		b 12		3.2	3.5	
MEAN	15.4	21.6	20.2	20.5	31.8	87.3	32.0	13.8	8.59	3.39	3.58	3.41
ACRE-FEET	950	1,290	1,240	1,260	1,770	5,370	1,900	908	511	209	220	203

YEAR OR PERIOD MEAN 21.9
ACRE-FEET 15,830

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F213-R

DAILY DISCHARGE IN SECOND-FEET OF BIG TUJUNGA CREEK above Gold Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 2.9	e 4.4	182	40	38	46	e 13	e 12	e 12	e 9.0	e 10	e 10
2	e 3.0	e 4.3	195	44	35	46	e 13	e 12	e 12	e 9.0	e 10	e 9.0
3	e 3.0	e 4.1	184	41	35	46	e 13	e 12	e 12	e 9.0	e 10	e 9.0
4	e 3.1	e 3.9	150	40	34	46	e 13	e 12	e 12	e 9.0	e 10	e 9.0
5	e 3.2	e 3.7	124	40	34	44	e 13	e 12	e 12	e 9.0	e 10	e 9.0
6	e 3.3	e 3.8	124	37	34	44	e 12	e 13	e 11	e 9.0	e 10	e 9.0
7	e 3.4	e 3.9	114	37	32	43	e 12	e 13	e 11	e 9.0	e 10	e 9.0
8	e 3.4	e 4.0	128	38	32	43	e 12	e 13	e 11	e 9.0	e 10	e 9.0
9	e 3.4	e 4.0	156	38	34	43	e 12	e 13	e 11	e 9.0	e 10	e 9.0
10	e 3.4	e 4.1	126	38	34	43	e 12	e 13	e 11	e 9.0	e 10	e 9.0
11	e 3.5	e 4.2	e 40	37	34	e 42	e 12	e 13	e 11	e 9.0	e 10	e 9.0
12	e 3.5	e 4.3	e 9.0	47	10	e 42	e 12	e 13	e 11	e 9.0	e 10	e 9.0
13	e 3.6	e 4.3	e 9.0	63	11	e 41	e 12	e 13	e 11	e 9.0	e 10	e 9.0
14	e 3.6	e 4.3	e 9.0	61	12	e 41	e 12	e 13	e 11	e 9.0	e 10	e 9.0
15	e 3.6	e 4.4	e 9.0	53	13	e 41	e 11	e 13	e 11	e 9.0	e 10	e 9.0
16	e 3.6	e 4.5	10	53	19	e 41	e 11	e 13	e 11	e 9.0	e 10	e 9.0
17	e 3.7	e 4.6	17	53	29	e 40	e 11	e 13	e 11	e 9.0	e 10	e 9.0
18	e 3.8	e 4.7	18	53	20	e 40	e 11	e 13	e 11	e 9.0	e 10	e 9.0
19	e 3.9	e 4.8	52	53	34	e 29	e 11	e 13	e 11	e 9.0	e 10	e 9.0
20	e 4.0	e 4.9	26	53	53	e 14	e 11	e 13	e 11	e 9.0	e 10	e 9.0
21	e 4.1	e 5.0	149	53	53	e 14	e 11	e 13	e 10	e 9.0	e 10	e 9.0
22	e 4.2	e 5.1	72	51	53	e 14	e 11	e 13	e 10	e 9.0	e 10	e 9.0
23	e 4.3	e 5.2	40	49	51	e 14	e 11	e 13	e 10	e 9.0	e 10	e 9.0
24	e 4.4	e 5.3	41	49	51	e 14	e 11	e 13	e 10	e 9.0	e 10	e 9.0
25	e 4.5	e 5.4	44	48	49	e 14	e 11	e 13	e 10	e 9.0	e 10	e 9.0
26	e 4.6	e 5.4	41	46	48	e 14	e 11	e 13	e 9.0	e 9.0	e 10	e 9.0
27	e 4.7	e 5.4	40	44	46	e 13	e 11	e 13	e 9.0	e 9.0	e 10	e 9.0
28	e 4.8	e 8.0	38	43	46	e 13	e 11	e 13	e 9.0	e 9.0	e 10	e 9.0
29	e 4.8	290	35	43		e 13	e 11	e 13	e 9.0	e 9.0	e 10	e 9.0
30	e 4.7	217	37	41		e 13	e 11	e 13	e 9.0	e 9.0	e 10	e 9.0
31	e 4.5		40	40		e 13		e 13		e 9.0	e 10	
MEAN	3.82	21.1	72.9	46.0	34.8	31.1	11.6	12.8	10.7	9.0	10.8	9.0
ACRE-FEET	235	1,260	4,480	2,830	1,930	1,910	694	789	635	553	664	538

YEAR OR PERIOD MEAN 22.8
ACRE-FEET 16,520

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F213-R

DAILY DISCHARGE IN SECOND-FEET OF BIG TUJUNGA CREEK above Gold Canyon FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	e 7.9	e 3.9	e 3.7	e 8.0	e 8.8	e 4.9	e 3.5	e 3.5	4.7	4.6	4.0	4.0
2	e 7.9	e 3.9	e 3.7	e 8.0	e 8.8	e 4.7	e 3.5	e 3.5	4.7	4.6	4.0	4.2
3	e 7.9	e 3.9	e 3.7	e 72	e 8.8	e 4.5	e 3.5	e 5.1	4.7	4.6	4.0	4.2
4	e 7.9	e 0.9	e 3.7	e 101	e 8.8	e 4.4	e 3.5	e 5.1	4.7	4.6	4.0	4.2
5	e 7.9	e 2.2	e 3.7	e 113	e 8.8	e 4.3	e 3.5	e 5.1	4.7	4.4	3.6	4.2
6	e 7.9	e 3.1	e 3.7	e 113	e 8.8	e 4.2	e 3.5	e 5.1	4.7	4.4	3.6	4.2
7	e 7.9	e 3.1	e 3.7	e 71	e 8.8	e 4.2	e 3.5	e 5.1	4.7	4.5	3.2	4.2
8	e 7.9	e 3.1	e 3.7	e 9.7	e 8.8	e 4.2	e 3.3	e 5.1	4.7	4.6	3.2	4.2
9	e 7.9	e 3.1	e 3.7	e 9.7	e 8.8	e 4.2	e 3.3	e 5.1	4.7	4.6	3.2	4.2
10	e 7.9	e 3.1	e 3.7	e 9.7	e 8.8	e 4.1	e 3.4	e 5.1	4.7	4.6	3.2	3.6
11	e 7.9	e 3.1	e 3.7	e 9.7	e 8.8	e 4.1	e 3.4	e 5.1	4.7	4.6	3.2	3.6
12	e 7.9	e 3.1	e 3.7	e 9.7	e 8.8	e 4.0	e 3.4	e 5.0	4.7	4.0	3.2	3.2
13	e 7.7	e 3.1	e 3.7	e 9.7	e 8.8	e 4.0	e 3.4	e 4.9	4.7	4.0	4.0	3.2
14	e 7.7	e 3.1	e 3.7	e 9.6	e 8.8	e 3.9	e 3.5	e 4.8	4.7	4.0	4.0	3.2
15	e 7.7	e 3.1	e 3.7	e 9.6	e 8.8	e 3.9	e 3.5	e 4.7	4.7	4.0	4.0	3.2
16	e 7.5	e 3.1	e 3.7	e 9.5	e 8.8	e 3.8	e 3.6	e 4.6	4.6	4.0	4.0	3.2
17	e 7.5	e 3.1	e 3.7	e 9.5	e 8.8	e 3.8	e 3.5	e 4.6	4.6	4.0	4.0	3.2
18	e 7.5	e 3.1	e 3.7	e 9.4	e 8.8	e 3.7	e 3.6	4.6	4.6	4.0	3.6	3.2
19	e 7.3	e 3.1	e 3.7	e 9.4	e 8.8	e 3.7	e 3.5	4.6	4.6	4.0	3.6	3.2
20	e 7.3	e 3.1	e 3.7	e 9.3	e 8.8	e 3.6	e 3.5	4.6	4.6	4.0	3.6	3.2
21	e 7.3	e 3.0	e 3.7	e 9.3	e 8.8	e 3.6	e 3.5	4.6	4.6	4.0	3.6	3.2
22	e 5.9	e 3.0	e 9.0	e 9.2	e 8.8	e 3.5	e 3.5	4.6	4.6	4.0	3.6	3.2
23	e 0.9	e 3.0	e 5.0	e 9.2	e 8.8	e 3.5	e 3.5	4.6	4.6	3.9	3.6	3.2
24	e 0.9	e 3.0	e 58	e 9.1	e 8.8	e 3.5	e 3.5	4.6	4.6	3.9	4.0	3.2
25	e 0.9	e 3.0	e 46	e 9.1	e 5.1	e 3.5	e 3.5	4.6	4.6	3.9	4.0	4.6
26	e 0.9	e 3.0	e 39	e 9.0	e 5.1	e 3.5	e 3.5	4.6	4.6	3.9	4.0	4.6
27	e 0.9	e 3.0	e 22	e 9.0	e 5.1	e 3.4	e 3.5	4.6	4.6	3.9	4.0	4.2
28	e 0.9	e 3.0	e 14	e 8.9	e 5.1	e 3.4	e 3.5	4.6	4.6	3.9	4.0	4.6
29	e 0.9	e 3.0	e 11	e 8.9	e 5.1	e 3.3	e 3.5	4.6	4.6	3.9	4.0	4.6
30	e 0.9	e 3.0	e 19	e 8.8		e 3.3	e 3.5	4.6	4.6	3.9	4.0	4.6
31	e 0.9		e 8.0	e 8.8		e 3.3		4.6		3.9	4.0	
MEAN	5.6	3.2	10.0	23.4	8.4	3.8	3.7	4.7	4.6	4.1	3.7	3.7
ACRE-FEET	350	161	612	1,450	470	238	223	289	277	256	230	225

YEAR OR PERIOD MEAN 5.6
ACRE-FEET 4,760

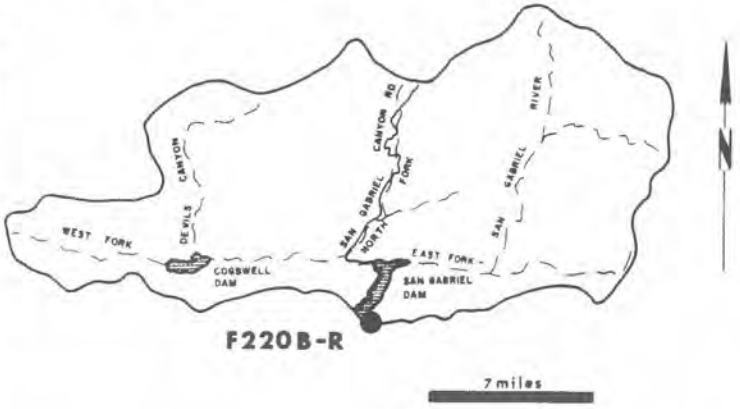
STA. NO. F213-R
BIG TUJUNGA CREEK ABOVE GOLD CANYON

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1932-33	488	1.1	10.5	7590	1	19	1390
1933-34	634	0.9	10.6	7700	1	1	1450
1934-35	354	2.6	20.5	14840	4	8	671
1935-36	150	2.4	10.5	7640	2	2	494
1936-37	423	1.0	50.1	36260	12	27	495
1937-38	13000 E	2.5	116	83960	3	2	50000 E
1938-39	316	3.5	18.8	13640	12	20	380
1939-40	350 E	1.6	15.1	10990			N.D.
1940-41	1260	1.2	109	78840	2	21	1650
1941-42	62	4.4	14.8	10690	12	28	165
1942-43	6000 E	1.2	105	76020	1	23	23000
1943-44	3320	2.3	79.9	57990	2	22	4760
1944-45	320	4.8	24.0	17370	2	2	897
1945-46	698	4.9	23.7	17160	3	30	1300
1946-47	644	4.0	26.2	18960	12	25	745
1947-48	25	0.7	6.4	4640	2	5	53
1948-49	13	0.6	3.4	2460	1	20	20
1949-50	30	1.7	4.1	2960	11	10	73
1950-51	7.1	0.2	2.1	1510	11	13	10
1951-52	1740	1.3	56.9	41320	1	18	2960
1952-53	59	1.8	9.0	6510	11	15	108
1953-54	227	0.6	11.4	8240	1	25	387
1954-55	33	1.1	5.0	3580	1	18	73
1955-56	214	0.3	6.5	4700	1	27	301
1956-57	25	0.2	3.2	2290	1	13	60
1957-58	1190	0.8	53.7	38910	4	3	1670
1958-59	133	1.8	6.3	4570	2	11	245
1959-60	12	0.1	2.7	1950	1	12	22
1960-61	16	0.2	1.3	926	11	5	86
1961-62	1850	0.6	29.8	21540	2	11	4770
1962-63	94	0.6	3.3	2370	2	9	412
1963-64	44	0.2	3.7	2690	1	22	166
1964-65	77	0.1	3.9	2790	4	9	220
1965-66	2850	1.0	63.9	46250	12	30	5220
1966-67	906	10	62.9	45540	12	6	1900
1967-68	275	1.9	21.0	15260	11	21	410
1968-69	9250	0.8	213	148100	2	25	21300
1969-70	208	N.D.	21.9	15830	2	28	560
1970-71	290	N.D.	22.8	16520	11	29	1320
1971-72	121	0.9	6.4	4670	1	4	121 E

N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 220B-R
SAN GABRIEL-AZUSA CONDUIT
at 10 ft. Weir below San Gab. Dam

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - weir formula with gage height observation

DRAINAGE AREA - none

LOCATION - on the concrete conduit which diverts from San Gabriel Dam, 160 feet below the dam

REGULATION - regulated by San Gabriel dam

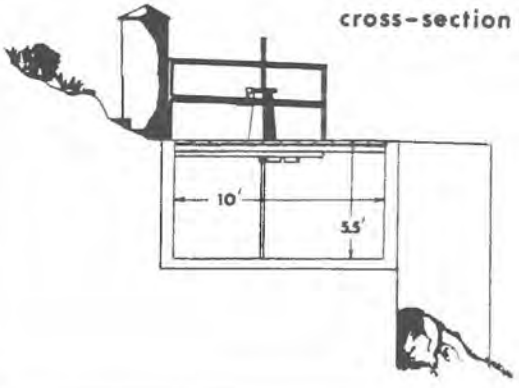
CHANNEL - rectangular in section

CONTROL - 10-foot concrete weir

LENGTH - February 26, 1933, to date

REMARKS - approximate capacity 95 second-feet

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F220B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL – AZUSA CONDUIT 10-foot Weir below San Gabriel Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APHIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.05	0.01	0.1	0.1	a 50	0.1	0.1	0	0	0	0	0
2	0.05	0.01	0.1	0.1	a 50	0	1.4	0	0	0	0	0
3	0.05	0.01	0.1	0.1	a 50	0	2.0	0	0	0	0	0
4	0.05	0.01	0.1	0.1	a 50	0	2.0	0	0	0	0	0
5	0.05	0.04	0.1	0.1	50	0	2.0	0	0	0	0	0
6	0.05	0.1	0.1	0.1	50	0	2.0	0	0	0	0	0
7	0.05	0.1	0.1	0.1	50	0	2.0	0	0	0	0	0
8	0.05	0.1	0.1	34	50	0	2.0	0	0	0	0	0
9	0.05	0.1	0.1	50	50	0	2.0	0	0	0	0	0
10	0.05	0.1	0.1	50	16.0	0	2.0	0	0	0	0	0
11	0.05	0.1	0.1	50	28	0	2.0	0	0	0	0	0
12	0.05	0.1	0.1	50	61	0	2.0	0	0	0	0	0
13	0.05	0.1	0.1	50	61	0	2.0	0	0	0	0	0
14	0.05	0.1	0.1	50	61	0	2.0	0	0	0	0	0
15	0.05	0.1	0.1	50	61	0.1	0.5	0	0	0	0	0
16	0.03	0.1	0.1	49	18.0	0.1	0	0	0	0	0	0
17	0.03	0.1	0.1	49	0.1	0.1	0	0	0	0	0	0
18	0.03	0.1	0.1	49	0.1	0.1	0	0	0	0	0	0
19	0.03	0.1	0.1	49	0.1	0.1	0	0	0	0	0	0
20	0.03	0.1	0.1	49	0.1	0.1	0	0	0	0	0	0
21	0.03	0.1	0.1	51	0.1	0.1	0	0	0	0	0	0
22	0.02	0.1	0.1	51	0.1	0.1	0	0	0	0	0	0
23	0.02	0.1	0.1	51	0.1	0.1	0	0	0	0	0	0
24	0.02	0.1	0.1	51	0.1	0.1	0	0	0	0	0	0
25	0.02	0.1	0.1	51	0.1	0.1	0	0	0	0	0	0
26	0.02	0.1	0.1	50	0.1	0.1	0	0	0	0	0	0
27	0.01	0.1	0.1	50	0.1	0.1	0	0	0	0	0	0
28	0.01	0.1	0.1	50	0.1	0.1	0	0	0	0	0	0
29	0.01	0.1	0.1	a 50		0.1	0	0	0	0	0	0
30	0.01	0.1	0.1	a 50		0.1	0	0	0	0	0	0
31	0.01		0.1	a 50		0.1		0		0	0	
MEAN	0.03	0.09	0.10	39.5	27.0	0.05	0.86	0	0	0	0	0
ACRE-FEET	2.1	5.1	6.1	2,350	1,500	3.4	52	0	0	0	0	0

YEAR OR PERIOD MEAN 5.41
ACRE-FEET 3,920

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F220B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL – AZUSA CONDUIT 10-foot Weir below San Gabriel Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0.3	65	72	75	73	69	40	44	44	45
2	0	0	0.7	64	72	75	73	69	40	45	44	46
3	0	0	1.0	64	72	75	73	69	40	45	44	46
4	0	0	1.0	63	72	75	74	54	40	45	44	46
5	0	0	1.0	63	72	75	74	40	41	45	42	46
6	0	e 0.8	1.0	63	72	75	71	40	41	45	44	46
7	0	e 2.0	0.4	63	72	75	70	40	41	45	46	46
8	0	e 2.0	0.4	63	72	75	70	40	41	45	44	46
9	0	e 2.0	0.4	63	72	75	70	40	41	45	44	46
10	0	e 2.0	0.4	63	72	75	70	40	41	45	44	46
11	0	e 2.0	0.4	65	72	75	70	40	41	45	44	46
12	0	e 2.0	0.4	69	72	75	70	40	41	45	44	46
13	0	e 1.4	0.4	70	72	75	70	40	41	45	44	46
14	0	e 1.0	0.4	72	72	75	70	40	41	45	44	46
15	0	e 1.0	0.4	72	72	75	70	40	41	45	44	46
16	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
17	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
18	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
19	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
20	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
21	0	e 1.0	0.4	72	72	75	69	40	41	45	44	46
22	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
23	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
24	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
25	0	e 1.0	0.4	72	52	75	69	40	41	45	44	46
26	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
27	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
28	0	e 1.0	0.4	72	75	75	69	40	41	45	44	46
29	0	e 1.0	32	72		75	69	40	41	45	44	46
30	0	e 1.0	64	72		74	69	40	41	44	44	46
31	0		65	72		74		40		44	44	
MEAN	0	1.04	56.4	68.8	71.9	74.9	70.1	43.3	40.9	44.9	44.0	46.0
ACRE-FEET	0	62	347	4,230	3,990	4,610	4,170	2,660	2,430	2,760	2,710	2,740

YEAR OR PERIOD MEAN 42.4
ACRE-FEET 30,710

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F220B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL-AZUSA CONDUIT at 10-foot Weir below San Gabriel Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	46	30	22	15.2	70	50	44	35	0	0	0	0
2	46	22	22	15.5	70	50	44	32	0	0	0	0
3	46	22	22	15.5	70	50	44	30	0	0	0	0
4	46	22	22	33	70	50	40	30	0	0	0	0
5	46	22	22	50	70	50	35	30	0	0	0	0
6	46	22	22	32	70	50	35	30	0	0	0	0
7	46	22	22	0.5	70	50	34	30	0	0	0	0
8	46	22	22	34	70	50	34	30	0	0	0	0
9	46	22	22	50	70	50	34	30	0	0	0	0
10	46	22	22	50	70	50	34	31	0	0	0	0
11	46	22	22	59	70	50	35	30	0	0	0	0
12	46	22	22	65	70	50	36	30	0	0	0	0
13	45	22	22	65	69	50	36	30	0	0	0	0
14	45	22	22	63	69	50	36	30	0	0	0	0
15	45	22	22	65	63	50	35	30	0	0	0	0
16	45	22	22	65	60	50	35	30	0	0	0	0
17	45	22	22	65	60	50	35	30	0	0	0	0
18	45	22	22	64	60	50	35	30	0	0	0	0
19	45	22	22	65	60	50	35	30	0	0	0	0
20	45	22	22	65	60	47	34	30	0	0	0	0
21	45	22	22	65	60	45	35	30	0	0	0	0
22	45	22	22	65	57	45	35	10	0	0	0	0
23	45	22	22	65	55	45	35	0	0	0	0	0
24	45	22	23	68	55	45	35	0	0	0	0	0
25	45	22	9.0	70	55	45	35	0	0	0	0	0
26	45	22	0.5	70	55	45	35	0	0	0	0	0
27	45	22	0.5	70	55	45	35	0	0	0	0	0
28	45	22	0.5	70	55	45	35	0	0	0	0	0
29	45	22	0.5	70	52	45	35	0	0	0	0	0
30	45	22	0.5	70		44	35	0	0	0	0	0
31	45		10.2	70		44		0		0	0	
MEAN	45.4	22.3	17.8	54.5	63.4	48.1	36.0	20.9	0	0	0	0
ACRE-FEET	2,790	1,320	1,090	3,350	3,650	2,960	2,140	1,290	0	0	0	0

YEAR OR PERIOD MEAN 25.6
ACRE-FEET 18,590

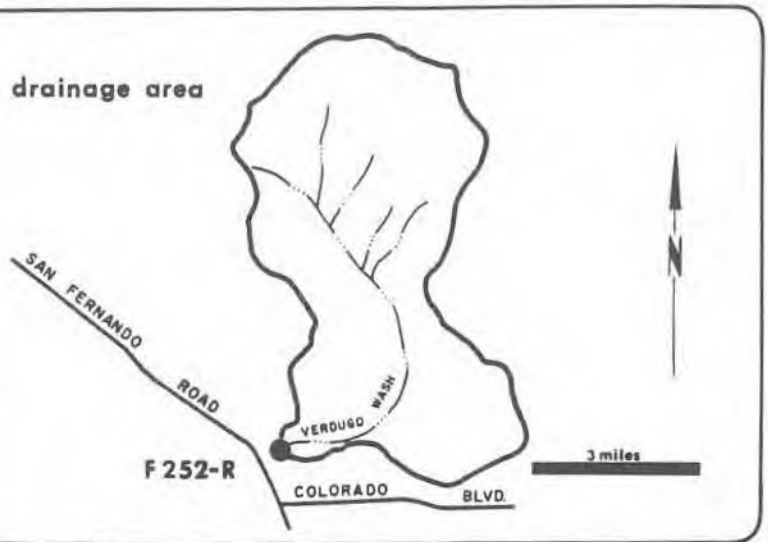
STATION DATA SUMMARY

STA. NO. F220B-R
SAN GABRIEL - AZUSA CONDUIT 10-FOOT WEIR BELOW SAN GABRIEL DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	MON	DAY	CFS
1933-34	86	0	27.3	19770			
1934-35	94	6.2	64.3	46570			
1935-36	86	9.1	40.7	29500			
1936-37	93	+	29.0	21030			
1937-38	94	+	16.4	11910			
1938-39	0	0	0	0			
1939-40	90	+	32.7	23760			
1940-41	89	+	23.2	16820			
1941-42	91	+	53.0	38360			
1942-43	94	0.1	36.6	26510			
1943-44	94	+	56.9	41310			
1944-45	96	+	59.2	42910			
1945-46	92	+	55.0	39820			
1946-47	92	0.1	64.7	46900			
1947-48	60	+	34.4	24960			
1948-49	70	0.1	24.0	17380			
1949-50	82	19	37.5	27140			
1950-51	70	0	11.5	8310			
1951-52	91	0	65.2	47300			
1952-53	89	+	43.7	31680			
1953-54	89	+	38.8	28090			
1954-55	85	30	50.6	36600			
1955-56	86	14.8	49.0	35580			
1956-57	86	0	36.8	26670			
1957-58	87	0	27.8	20140			
1958-59	89	12.4	49.4	35730			
1959-60	50	5.3	24.6	17850			
1960-61	45	0	12.2	8820			
1961-62	86	0	57.4	41570			
1962-63	83	0	33.0	23930			
1963-64D	48	8.0	31.0	22490			
1964-65D	81	0.1	35.8	25900			
1965-66D	83	0	35.7	25840			
1966-67B	84	0	41.8	30250			
1967-68	82	+	50.3	36480			
1968-69	54	0	1.1	777			
1969-70	61	0	5.4	3920			
1970-71	75	0	42.4	30710			
1971-72	70	0	25.6	18590			

B = RECORD BEGAN AT B LOCATION 10-23-63
D = RECORD IS AT STA F250-R - 25 FOOT WEIR
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 252 - R
VERDUGO WASH
at Estelle Avenue



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from Concord Street bridge

DRAINAGE AREA – 26.8 square miles

LOCATION – 800.0 feet east of San Fernando Road, 2.0 miles northwest of Glendale

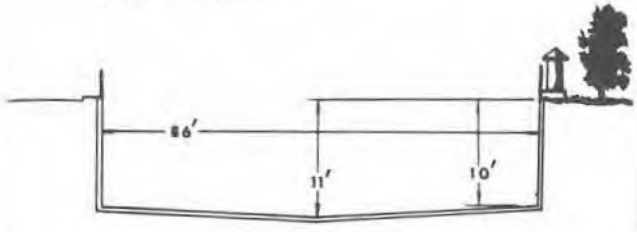
REGULATION – partially regulated by several debris basins

CHANNEL – concrete, rectangular in section

CONTROL – channel forms control

LENGTH OF RECORD – December 2, 1935 to date

cross section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F252-R

DAILY DISCHARGE IN SECOND-FEET OF VERDUGO CHANNEL at Estelle Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	2.5	12.9	b 2.8	2.8	6.2	127	b 6.0	2.8	2.8	8.4	9.5	5.0
2	2.5	14.0	b 2.8	2.8	8.4	142	b 6.0	2.8	5.0	8.4	13.0	3.9
3	2.5	10.6	b 2.8	2.8	3.9	b 10.0	b 6.0	2.8	5.0	8.4	13.0	2.8
4	2.3	a 10.6	b 2.8	2.8	5.0	206	b 5.0	2.8	5.0	8.4	12.0	3.9
5	2.3	a 10.6	b 3.0	2.8	2.8	45	b 5.0	2.8	5.0	8.4	8.4	2.8
6	2.8	a 10.6	b 3.0	2.5	2.5	b 2.0	b 5.0	2.8	3.9	7.3	6.2	2.5
7	2.8	a 10.6	b 3.0	2.5	2.5	b 2.0	b 4.0	3.9	5.0	7.3	6.2	2.8
8	2.8	b 10.6	b 3.0	2.5	2.8	b 2.0	b 4.0	5.0	6.2	7.3	6.2	2.8
9	2.8	b 3.9	b 3.0	5.0	63	b 2.0	b 3.0	5.0	6.2	6.2	5.0	2.8
10	3.9	b 3.9	b 3.0	14.0	261	b 3.0	b 3.0	6.2	6.2	8.4	3.9	2.8
11	3.9	b 3.9	b 3.0	7.3	37	b 3.0	b 3.0	11.0	6.2	7.3	2.8	2.8
12	3.9	b 3.9	b 3.0	9.5	7.3	b 3.0	b 3.0	6.2	6.2	7.3	2.8	2.8
13	5.0	b 3.9	b 3.0	5.0	5.0	2.5	b 3.0	6.2	8.4	7.3	6.2	2.8
14	3.9	b 3.9	b 3.0	22	5.0	3.9	b 3.0	5.0	6.2	6.2	6.2	2.8
15	5.0	b 3.9	b 3.0	2.8	3.9	7.3	b 3.0	6.2	6.2	6.2	7.3	2.8
16	5.0	b 3.9	b 3.0	72	3.9	6.2	2.5	5.0	7.3	6.2	7.3	2.8
17	5.0	b 3.5	b 3.0	6.2	3.9	7.3	2.3	6.2	6.2	7.3	7.3	b 3.0
18	5.0	b 3.5	b 4.0	6.2	2.8	7.3	2.5	5.0	6.2	8.4	13	b 3.0
19	5.0	b 3.5	b 4.0	6.2	2.5	6.2	3.9	6.2	8.4	8.4	8.4	b 3.0
20	6.2	b 3.5	b 4.0	6.2	3.9	6.2	2.8	3.9	8.4	8.4	9.5	b 3.0
21	6.2	b 3.5	b 4.0	6.2	3.9	6.2	3.9	3.9	8.4	8.4	2.8	b 3.0
22	6.2	b 3.5	b 4.0	6.2	3.9	b 6.0	5.0	2.8	8.4	9.5	3.9	b 3.0
23	6.2	b 3.5	b 4.0	5.0	2.8	b 6.0	3.9	2.8	8.4	8.4	3.9	b 3.0
24	7.3	b 3.5	b 4.0	5.0	2.8	b 6.0	3.9	2.8	7.3	8.4	2.8	b 3.0
25	7.3	b 3.5	b 4.0	b 5.0	2.8	b 6.0	3.9	2.8	7.3	8.4	3.9	b 3.0
26	7.3	b 3.5	b 2.8	b 5.0	2.8	b 6.0	5.0	3.9	8.4	8.4	3.9	b 3.0
27	7.3	3.5	b 2.8	b 5.0	2.8	b 6.0	6.2	3.9	8.4	8.4	5.0	b 3.0
28	7.3	3.5	b 2.8	b 5.0	253	b 6.0	3.9	3.9	9.5	9.5	9.5	b 3.0
29	7.3	3.5	b 2.8	b 5.0		b 6.0	2.8	2.8	9.5	11.0	9.5	b 3.0
30	7.3	3.5	b 2.8	7.3		30	2.8	2.8	9.5	11.0	9.5	b 3.0
31	6.2		b 2.8	6.2		7.3		2.8		9.5	6.2	

MEAN	4.87	5.69	3.19	7.90	25.3	22.1	3.88	4.29	6.84	8.14	6.94	3.03
MAX.	300	339	196	486	1,400	1,360	231	264	407	501	427	180

YEAR OR PERIOD MEAN 8.42

ACRE-FEET 6,090

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F252-R

DAILY DISCHARGE IN SECOND-FEET OF VERDUGO CHANNEL at Estelle Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	3.9	9.5	5.0	7.3	2.5	2.8	2.8	2.3	2.8	2.8	3.9	3.9
2	3.9	9.5	48	8.4	2.3	2.8	2.8	2.5	2.8	3.9	3.9	2.8
3	7.8	10.6	2.3	2.8	2.3	2.8	2.8	2.8	2.8	3.9	3.9	2.8
4	2.8	11.8	2.8	2.3	2.0	2.8	2.8	3.9	2.8	3.9	3.9	2.8
5	2.5	12.9	3.9	2.3	2.0	2.8	2.8	3.9	2.8	5.0	5.0	2.8
6	3.4	52	2.8	5.0	2.0	2.8	2.8	17.1	2.8	3.9	5.0	2.8
7	2.8	7.3	2.8	5.0	2.0	2.5	2.8	7.2	2.8	3.9	6.2	2.8
8	2.8	6.2	3.9	3.9	3.9	2.5	3.9	2.5	2.8	3.9	6.2	2.8
9	2.8	7.3	22	2.3	e 2.8	2.5	3.9	2.3	2.8	3.9	6.2	2.8
10	2.8	6.2	5.0	2.0	e 2.8	2.5	5.0	2.3	5.0	3.9	6.2	2.8
11	2.8	6.2	2.5	2.0	e 2.8	2.5	5.0	2.0	6.2	3.9	5.0	2.8
12	2.8	5.0	2.5	110	e 2.8	109	5.0	2.0	7.3	3.9	3.9	2.8
13	3.9	2.8	2.5	12.9	e 2.8	5.0	5.0	2.0	5.0	3.9	3.9	2.8
14	3.9	2.8	8.4	8.4	e 2.8	5.0	39	2.3	2.5	5.0	3.9	2.8
15	3.9	2.8	2.8	3.9	e 2.8	5.0	2.3	2.5	2.8	5.0	3.9	3.9
16	3.9	2.8	25	2.8	e 2.8	5.0	2.5	2.5	3.9	3.9	2.8	5.0
17	3.9	2.8	59	2.8	e 2.8	6.2	10.5	2.3	5.0	3.9	2.8	5.0
18	2.8	3.9	258	2.8	e 2.8	5.0	2.8	2.3	5.0	3.9	2.8	5.0
19	2.8	5.0	145	2.8	e 2.8	6.2	2.5	2.3	3.9	5.0	2.8	5.0
20	2.8	6.2	10.6	2.8	5.0	6.2	2.3	2.3	3.9	8.4	2.8	3.9
21	3.9	5.0	325	2.8	5.0	6.2	2.8	2.5	3.9	8.4	2.8	5.0
22	3.9	5.0	6.2	2.8	5.0	6.2	6.2	2.5	3.9	6.2	2.8	8.4
23	5.0	5.0	1.8	2.8	3.9	5.0	3.9	2.8	5.0	6.2	2.8	5.0
24	6.2	5.0	6.2	2.8	3.9	5.0	2.8	2.8	5.0	6.2	3.9	2.8
25	6.2	17.0	3.9	2.8	3.9	5.0	2.3	2.8	5.0	7.3	3.9	2.8
26	6.2	16.2	3.9	3.9	3.9	5.0	2.0	2.8	5.0	7.3	5.0	3.9
27	6.2	3.9	5.0	3.9	2.8	3.9	2.0	2.8	5.0	5.0	5.0	2.8
28	6.2	233	7.3	3.9	2.8	3.9	2.0	16.9	5.0	5.0	5.0	5.0
29	7.3	931	9.5	3.9		2.8	2.3	3.9	5.0	5.0	5.0	8.4
30	9.5	16.4	8.4	2.5		5.0	2.3	5.0	3.9	5.0	3.9	7.3
31	9.5		8.4	2.5		2.8		2.8		5.0	3.9	
MEAN	4.48	47.0	32.3	7.63	3.07	7.81	4.44	3.77	4.38	4.91	4.21	3.98
ACRE-FEET	276	2,800	1,980	450	171	462	274	232	243	302	259	237

YEAR OR PERIOD MEAN 10.6
ACRE-FEET 7,690

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F252-R

DAILY DISCHARGE IN SECOND-FEET OF VERDUGO CHANNEL at Estelle Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	2.8	b 2.8	b 2.8	2.8	2.5	2.5	5.0	2.8	3.9	2.0	2.3	2.3
2	2.8	b 2.8	b 2.8	2.8	2.5	2.5	6.2	2.5	3.9	2.0	2.3	2.3
3	2.8	b 2.8	b 2.8	2.8	2.3	2.5	5.0	2.3	5.0	2.0	2.3	2.3
4	2.8	b 2.8	b 2.8	5.0	2.3	2.5	6.2	2.3	2.8	2.0	2.0	2.3
5	2.8	b 2.8	b 2.8	8.4	2.5	2.5	3.9	2.8	2.8	2.0	1.8	2.3
6	2.8	b 2.8	b 2.8	7.3	b 3.3	2.5	2.5	5.0	5.0	2.0	1.5	2.3
7	2.8	b 2.8	b 2.8	2.8	b 4.1	2.3	2.3	2.8	8.2	2.3	2.0	2.3
8	5.0	b 2.8	b 2.8	2.8	b 4.8	2.3	2.5	2.8	2.3	2.3	2.3	2.3
9	3.9	b 2.8	b 2.8	2.8	5.0	2.3	2.8	2.8	2.0	2.5	2.3	2.3
10	3.9	b 2.8	b 2.8	2.8	5.0	2.3	2.3	3.9	2.3	2.5	2.3	2.3
11	5.0	6.1	b 2.8	2.8	2.8	2.8	2.3	2.8	2.0	2.5	2.3	2.3
12	6.2	26	b 2.8	3.9	2.5	2.8	2.3	2.8	2.3	2.5	21	2.3
13	6.2	b 2.8	b 2.8	3.9	2.8	2.8	2.0	2.8	1.5	2.3	5.0	2.5
14	6.2	b 2.8	b 2.8	5.0	3.9	2.8	2.0	2.8	1.5	2.3	6.9	3.9
15	5.0	b 2.8	b 2.8	2.8	5.0	2.5	2.3	5.0	1.5	2.3	2.0	1.8
16	5.0	b 2.8	b 2.8	8.4	3.9	2.5	2.8	5.0	1.5	2.0	2.0	2.0
17	2.3	b 2.8	b 2.8	a 6.0	5.0	2.3	3.9	5.0	1.8	2.0	2.3	2.0
18	2.3	b 2.8	b 2.8	a 4.0	2.8	2.3	3.9	7.3	1.5	2.0	2.0	1.5
19	2.0	b 2.8	b 2.8	a 3.0	3.9	2.3	3.7	8.4	1.5	2.0	2.0	1.5
20	2.0	b 2.8	b 2.8	2.8	5.0	2.3	2.0	6.2	1.8	2.0	2.0	1.8
21	2.0	b 2.8	5.0	2.8	3.9	2.3	2.0	5.0	2.0	2.0	2.0	1.5
22	2.0	b 2.8	152	2.8	2.8	2.3	2.0	3.9	2.3	2.0	2.0	1.8
23	2.0	b 2.8	7.3	2.8	3.9	2.5	2.0	2.8	1.2	2.3	2.0	1.8
24	104	b 2.8	476	2.8	5.0	2.5	2.0	2.8	1.5	2.3	2.0	2.0
25	2.3	b 2.8	155	2.8	5.0	2.5	2.0	2.8	1.5	2.0	2.5	1.8
26	2.3	b 2.8	29	5.0	2.8	2.8	1.8	3.9	1.8	2.0	3.2	1.5
27	3.9	b 2.8	219	7.3	2.8	2.8	2.0	6.2	1.8	2.0	2.3	1.8
28	2.8	b 2.8	46	8.4	2.8	2.8	2.5	3.9	2.0	2.3	2.0	1.5
29	2.3	b 2.8	14	8.4	2.8	3.9	2.3	2.8	2.0	2.3	2.3	1.5
30	2.8	b 2.8	5.0	3.9		3.9	2.3	2.8	2.0	2.3	2.3	1.2
31	b 2.8		2.8	2.8		5.0		3.9		2.3	2.3	
MEAN	6.57	3.68	37.6	4.28	3.58	2.67	2.89	3.82	2.44	2.17	3.01	2.03
ACRE-FEET	404	219	2,320	263	206	164	172	236	145	133	185	121

YEAR OR PERIOD MEAN 6.29
ACRE-FEET 4,570

STATION DATA SUMMARY

STA. NO. F252-R
VERDUGO WASH AT ESTELLE AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29	15	0	*	140*	4	4	56*
1929-30	14	0	0.4	274	5	3	80
1930-31	8.4	+	0.2	145	4	26	46
1931-32	39	0.1	1.0	713	2	9	145
1932-33	42	0.1	0.4	295	1	19	391
1933-34	NO RECORD						
1934-35	65*	0	*	620*	1	5	1020*
1935-36	33	0	0.6	463	3	30	*1100
1936-37	*	0	*	1560*	12	27	768
1937-38	1500	0	7.5	5450	3	2	4400E
1938-39	78	0	2.0	1420	1	5	520
1939-40	60	+	2.0	1430	1	8	533
1940-41	357	+	10.2	7370	2	19	1120
1941-42	81	0.8	3.0	2160	12	10	440
1942-43	1020	0.3	12.0	8690	1	23	3570
1943-44	998	0.2	7.0	5040	2	22	3160
1944-45	181	0.6	2.8	2010	2	2	1520
1945-46	135	0.3	2.7	1930	12	22	816
1946-47	234	0	2.7	1940	12	25	1860
1947-48	41	0	0.5	382	3	24	573
1948-49	35	0	0.6	433	12	16	202
1949-50	69	0	0.9	638	2	6	467
1950-51	41	0	0.5	383	1	11	960
1951-52	422	0	7.8	5630	1	16	2920
1952-53	100	0	1.3	968	11	15	1520
1953-54	227	0	2.7	1920	2	13	1300
1954-55	134	0	2.0	1480	1	18	784
1955-56	550	0	2.5	1840	1	26	1940
1956-57	184	0	1.9	1400	2	23	2960
1957-58	236	0	5.2	3770	2	19	1700
1958-59	232	0	2.0	1440	2	16	2080
1959-60	56	0	1.2	862	1	11	533
1960-61	98	+	0.9	667	11	5	676
1961-62	592	0	6.8	4830	2	12	1880
1962-63	370	+	2.0	1460	2	9	2180
1963-64	192	0	2.1	1510	1	21	1640
1964-65	249	+	3.8	2780	4	8	1480
1965-66	1030	0.1	12.2	8830	12	29	3480
1966-67	422	0.5	10.4	7530	1	22	3230
1967-68	606	0.2	9.3	6730	3	8	3460
1968-69	1850	1.8	36.1	26120	1	25	5050
1969-70	261	2.0	8.4	6090	2	28	2500
1970-71	931	1.8	10.6	7690	11	29	5330
1971-72	476	1.2	14.8	4570	12	24	1960

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
E = ESTIMATE

STATION NO. F 261C-R
SAN GABRIEL RIVER
below Valley Boulevard

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading

DRAINAGE AREA – 118.0 square miles (excludes area above Santa Fe Dam)

LOCATION – 1,150.0 feet below Valley Boulevard, 2.5 miles east of El Monte

REGULATION – partly regulated by Santa Fe, Big Dalton, Puddingstone Diversion, and Puddingstone Dams.

CHANNEL – sand and gravel bottom with rip-rap side slopes; trapezoidal section

CONTROL – concrete stabilizer with low-flow notch

LENGTH OF RECORD –
at Station F261-R, March 11, 1937, to September 30, 1941
at Station F261B-R, October 1, 1941, to April 23, 1946
at Station F261C-R, November 29, 1960, to date

REMARKS – flows may include imported water originating at Metropolitan Water District outlets at San Dimas Canyon and below San Bernardino Road.

cross-section

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F261C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Valley Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	1.7	101	68	61	63	658	33	37	82	49	81	0.1
2	1.9	101	68	63	63	226	39	37	82	58	81	0.9
3	2.2	101	68	61	63	2.1	45	37	81	73	81	0
4	1.9	101	73	63	64	342	45	37	81	72	56	0
5	1.9	72	76	63	63	184	45	38	81	74	61	67
6	1.5	425	72	64	61	71	48	38	81	68	60	87
7	1.3	188	72	66	61	29	34	37	83	73	61	85
8	1.9	2.1	94	60	60	27	0.1	42	85	74	58	85
9	2.1	+	41	9.4	73	25	0	49	83	73	57	87
10	1.9	0	0	82	782	25	0	49	85	70	57	85
11	1.7	0	0	27	58	29	0	54	83	72	64	83
12	1.2	19	15	5.3	+	31	0	57	85	67	68	85
13	1.2	93	66	0	0	29	12	58	90	66	72	87
14	1.2	101	66	20	1.9	25	50	58	78	61	76	87
15	1.2	103	66	14	5.8	24	54	66	79	57	74	89
16	20	101	67	198	0	22	43	67	81	58	76	89
17	60	95	67	1.0	0	16	+	68	79	61	78	89
18	58	95	67	0	17	0.7	18	67	72	64	79	89
19	63	89	66	0	60	+	54	79	70	63	81	89
20	63	79	66	0.8	64	0	68	73	73	64	81	89
21	63	76	66	0	66	0	79	0.1	73	64	79	47
22	64	68	77	6.4	64	0	83	0	72	63	79	+
23	66	67	63	52	64	0	76	0	70	58	78	0
24	67	67	61	0.6	66	0	61	0	57	58	78	0
25	66	67	61	0	67	0	56	35	58	58	79	0
26	63	68	66	11	72	0	57	87	54	61	79	0
27	68	66	61	58	71	7.9	50	85	53	61	79	0
28	86	66	58	64	689	33	38	83	53	68	79	0
29	108	67	60	60		38	37	83	50	79	79	0
30	108	67	61	60		61	36	83	52	81	81	0
31	106		61	63		34		82		81	29	
MEAN	37.2	84.8	60.4	39.8	97.1	62.6	38.5	51.2	73.5	66.1	71.6	47.3
ACRE-FEET	2,290	5,050	3,720	2,450	5,390	3,850	2,300	3,150	4,380	4,060	4,410	2,820

YEAR OR PERIOD MEAN 60.6
ACRE-FEET 43,870

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F261C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Valley Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	60	+	52	0	138	149	0	0	76	81	8.1
2	0	60	59	88	47	136	149	0	0	74	124	67
3	9.4	60	+	60	128	136	152	5.3	0	74	168	96
4	+	34	0	53	152	136	152	0.8	0	76	168	126
5	0	+	0	49	166	136	149	0	0	79	141	126
6	0	8.1	a 0	49	168	136	149	1.1	0	79	136	124
7	0	21	a 0	45	168	136	83	0.9	0	91	136	121
8	0	60	a 0	46	166	134	+	0	0	136	138	121
9	30	60	a 60	49	166	136	0	0	13	163	115	124
10	81	64	a 0	48	149	136	0	0	67	166	53	124
11	81	61	a 0	43	134	134	0	0	72	166	+	121
12	81	63	a 0	53	136	88	0	0	72	166	0	121
13	79	67	a 0	19	138	197	0	0	72	166	0	101
14	79	81	a 0	+	131	+	10	53	72	166	0	34
15	79	81	a 0	26	124	39	+	108	73	142	0	0
16	79	81	16	43	201	144	0	110	72	67	0	3.2
17	78	98	3.7	45	302	152	6.0	136	72	68	0	77
18	78	124	55	45	+	157	0.7	163	73	66	0	124
19	78	121	505	61	0	154	0	163	73	117	0	119
20	85	109	63	78	0	149	0	163	73	166	0	124
21	99	87	862	99	0	146	0	160	73	168	0	136
22	99	87	10	121	13	146	0	160	73	168	0	146
23	101	87	0.6	124	92	141	0	160	73	168	0	146
24	101	87	2.2	124	126	144	0	163	73	171	0	128
25	101	71	1.2	117	146	146	0	163	72	171	0	114
26	97	80	0	112	157	85	0	163	64	174	0	114
27	91	+	0	62	138	+	0	141	50	177	0	126
28	91	319	0	+	134	0	0	47	50	181	0	144
29	79	964	0	0		27	0	+	61	184	0	144
30	66	22	0	0		146	0	0	74	130	0	152
31	60		26	0		149		0		79	0	
MEAN	61.4	104	53.7	55.2	117	119	33.3	66.4	48.9	131	40.6	107
ACRE-FEET	3,770	6,180	3,300	3,390	6,510	7,350	1,980	4,090	2,910	8,080	2,500	6,370

YEAR OR PERIOD MEAN 78.0
ACRE-FEET 56,430

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F261C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Valley Boulevard FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	154	194	91	0	101	0	0	0	0	0	0	0
2	157	208	57	0	106	0	0	0	0	0	0	0
3	157	208	0	0	108	0	0	0	0	0	0	4.0
4	154	208	0	17	93	0	0	0	0	0	0	+
5	163	205	0	99	37	0	0	0	0	0	0	0
6	50	205	0	177	97	0	0	0	0	0	0	0
7	160	198	34	191	99	0	0	0	0.9	0	0	0
8	137	198	178	194	85	0	0	0	0.6	0	0	0
9	108	198	188	194	70	0	0	0	0	0	0	0
10	103	208	184	184	45	0	0	0	0	0	0	0
11	103	148	184	181	+	0	0	0	0	0	0	0
12	106	58	123	181	0	0	0	0	0	0	61	0
13	108	0	56	181	0	0	0	0	0	0	+	0
14	108	0	168	181	0	0	0	0	0	0	0	0
15	100	32	168	181	0	0	0	0	0	0	0	0
16	0	219	168	181	0	0	0	0	0	0	0	0
17	0	223	168	181	0	0	0	0	0	0	0	0
18	51	196	168	177	0	0	0	0	0	0	0	0
19	174	74	166	177	0	0	0	0	0	0	0	0
20	174	74	166	177	0	0	0.2	0	0	0	0	0
21	188	74	114	177	0	0	0	0	0	0	0	0
22	208	103	261	174	0	0	0	0	0	0	0	0
23	212	166	0.2	174	0	0	0	0	0	0	0	0
24	350	166	1,000	174	0	0	0	0	0	0	0	0
25	14	166	163	126	0	0	0	0	0	0	0	0
26	0	168	19	1.6	0	0	0	0	0	0	0	0
27	0	168	453	0.8	0	0	0	0	0	0	0	0
28	0	168	71	0.7	0	0	0	0	0	0	0	0
29	47	134	1.1	0	0	0	0	0	0	0	0	0
30	163	154	0	0		0	0	0	0	0	0	0
31	168		0	22		0		0		0	0	
MEAN	120	151	140	120	29.0	0	+	0	0.05	0	1.97	0.13
ACRE-FEET	7,390	8,970	8,630	7,350	1,670	0	0.4	0	3.0	0	121	7.9

YEAR OR PERIOD MEAN 4.70
ACRE-FEET 34,140

STATION DATA SUMMARY

STA. NO. F261C-R
SAN GABRIEL RIVER BELOW VALLEY BOULEVARD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1938-39	125	0.4	8.0	5790			N.D.
1939-40	125E	0.2	1.8	1320			N.D.
1940-41	1300	0.2	73.9	53500			N.D.
1941-42B	4.0	0	2.2	1560			N.D.
1942-43	8000	0	221	160300	1	23	9350
1943-44	2720	0.6	83.0	60290	2	22	5950
1944-45	650	0.1	10.5	7570			N.D.
1945-46	990	0	11.9	8640	12	23	1470
1946-47	2400	0	30.3	21940			N.D.
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	0	0	0	0			
1951-60	NO RECORD						
1960-61C	306	0	*	3450*0	1	26	1200
1961-62	1000	0	193	139500	11	20	7500
1962-63	566	0	78.6	56900	3	16	3500
1963-64	358	0	70.6	51290	1	22	2500E
1964-65	792	0	123	89150	4	9	5890
1965-66	5960	0	164	118600	11	23	11300
1966-67	1440	0	66.3	48000	1	24	7880
1967-68	1060	0	26.3	19060	3	8	6500
1968-69	23900	0	591.	428000	1	25	40000E
1969-70	782	0	60.6	43870	2	28	4470
1970-71	964	0	78.0	56430	12	21	2970
1971-72	1000	0	4.7	34140	12	24	5120

B = RECORD BEGAN AT B LOCATION 10-01-41
C = RECORD BEGAN AT C LOCATION 11-29-60
* = RECORD INCOMPLETE
N.D. = NOT DETERMINED
E = ESTIMATE

STATION NO. F 262B-R
SAN GABRIEL RIVER
above Florence Avenue

drainage area

RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 215.8 square miles (excludes area above Santa Fe Dam)

LOCATION - 1,400 feet above Florence Avenue, 2.0 miles east of Downey

REGULATION - partially regulated by Cogswell, San Gabriel, Morris, Santa Fe, Big Dalton, San Dimas, Puddingstone Diversion, Puddingstone, Live Oak, Thompson Creek and Whittier Narrows Dams, several debris basins, MWD outlets, and several spreading grounds

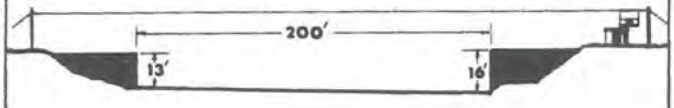
CHANNEL - sand bottom with rip-rap side slopes, trapezoidal section

CONTROL - concrete stabilizer

LENGTH OF RECORD -
at Station F267-R, February 27, 1937 to September 30, 1967
at Station F262B-R, August 6, 1968, to date

REMARKS - no record during 1967-1968 season due to channel construction

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F262B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Florence Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	3.8	1650	0	0	0	0	0	0
2	0	0	0	0	3.1	548	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	180	0	0	0	0	0	0
5	0	0	0	0	0	705	0	0	0	0	0	0
6	0	237	0	0	0	8.5	0	0	0	0	0	0
7	0	534	0	0	0	26	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	58	737	0	0	0	0	0	0	0
11	0	0	0	21	475	0	0	0	0	0	0	0
12	0	0	0	17.7	0	0	0	0	0	0	0	0
13	0	0	0	14.1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	249	0	0	0	0	0	0	0	0
17	0	0	0	48	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	510	0	0	0	0	0	0	0
29	0	0	0	0		0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
SUM	0	25.7	0	13.2	61.7	101	0	0	0	0	0	0
ACRE-FEET	0	1530	0	810	3430	6180	0	0	0	0	0	0

YEAR OR PERIOD MEAN 16.5
ACRE-FEET 11,950

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F262B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Florence Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	33	0	0	0	0	0	0	0	0	0
3	0	0	1.8	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	112	0	0	0	0	0	0
14	0	0	0	0	0	0.7	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	461	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	1010	0	0	0	0	0	0	0	0	0
20	0	0	0.4	0	0	0	0	0	0	0	0	0
21	0	0	1540	0	0	0	0	0	0	0	0	0
22	0	0	40	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	153	0	0	0	0	0	0	0	0	0	0
29	0	2160	0	0		0	0	0	0	0	0	0
30	0	141	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	81.8	84.7	0	16.5	3.6	0	0	0	0	0	0
ACRE-FEET	0	4870	5210	0	914	224	0	0	0	0	0	0

YEAR OR PERIOD MEAN 15.5
ACRE-FEET 11,220

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F262B-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER above Florence Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
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	288	0	0	0	0	0	0	0	0	0
23	0	0	2.7	0	0	0	0	0	0	0	0	0
24	83	0	1,450	0	0	0	0	0	0	0	0	0
25	10.8	0	147	0	0	0	0	0	0	0	0	0
26	0	0	149	0	0	0	0	0	0	0	0	0
27	0	0	1,180	0	0	0	0	0	0	0	0	0
28	0	0	404	0	0	0	0	0	0	0	0	0
29	0	0	13	0	0	0	0	0	0	0	0	0
30	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	3.03	0	117.1	0	0	0	0	0	0	0	0	0
ACRE-FEET	186	0	7,210	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 10.2
ACRE-FEET 7,400

STATION DATA SUMMARY

STA. NO. F262B-R
SAN GABRIEL RIVER ABOVE FLORENCE AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1934-35	718	0	6.5	4700	10	17	5850
1935-36	414	0	2.4	1750	2	12	3400
1936-37	NO RECORD						
1937-38	NO RECORD						
1938-39	325	0		2540*	9	25	1380
1939-40	271	0	2.6	1900	1	8	1150
1940-41	2390	0	105	75780	3	4	5630
1941-42	117	0	18.7	13570	12	10	413
1942-43	9190	0	257	186400	1	23	14000
1943-44	4860	0	110	79930	2	22	16000
1944-45	806	0	36.1	26110	11	12	4020
1945-46	1500	0	22.8	16480	12	23	4370
1946-47	2880	0	38.2	27650	12	31	3640
1947-48	0	0	0	0			
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	5070	0	33.4	24250	1	16	8040
1952-53	181	0	1.4	983	12	2	1270
1953-54	688	0	5.2	3790	2	13	4060
1954-55	317	0	1.4	1000	1	18	1850
1955-56	4580	0	14.3	10360	1	26	12800E
1956-57	490	0	1.9	1390	1	13	2040
1957-58	1720	0	31.9	23960	4	7	6300
1958-59	826	0	4.3	3130	1	6	4060
1959-60	377	0	2.7	1990	1	12	2210
1960-61	316	0	0.9	678	1	26	2940
1961-62	2170	0	23.7	17340	2	11	6470
1962-63	1190	0	7.1	5160	3	16	4270
1963-64	707	0	4.8	3460	11	20	4330
1964-65	1210	0	12.4	9010	4	9	4900
1965-66	697	0	7.8	5620	1	30	2080
1966-67	1900	0	32.2	23300	1	23	4320
1967-68B	NO RECORD						
1968-69	8430	0	273	197600	1	25	10900
1969-70	1650	0	16.5	11950	3	4	4510
1970-71	2160	0	15.5	11220	11	29	4410
1971-72	1450	0	10.2	7400	12	24	7510

B = RECORD BEGAN AT B LOCATION 08-06-68
* = RECORD INCOMPLETE
E = ESTIMATE

STATION NO. F 263C-R
SAN GABRIEL RIVER
below San Gabriel River Parkway

drainage area

RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 206.3 square miles (excludes area above Santa Fe Dam)

LOCATION - 462.0 feet below San Gabriel River Parkway, 1.4 miles northeast of Pico Rivera

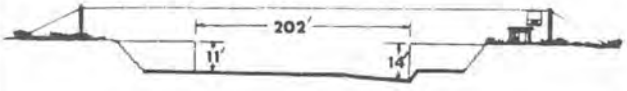
REGULATION - partly regulated by Santa Fe, Big Dalton, Puddingstone Diversion, Puddingstone, and Thompson Creek Dams. Flows may include imported water from several Metropolitan Water District outlets. Water is at times diverted to the Zone I ditch upstream of Whittier Narrows Dam.

CHANNEL - rip-rap slopes with sand bottom trapezoidal section

CONTROL - concrete stabilizer

LENGTH OF RECORD -
at Station F263-R, February 4, 1937, to March 6, 1952
at Station F263B-R, March 6, 1952, to August 9, 1968
at Station F263C-R, August 9, 1968, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F263C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	69	136	125	110	106	1,880	64	86	106	v 94	v 97	v 21
2	54	140	114	110	106	874	65	82	102	v 102	v 99	v 17
3	44	120	110	108	102	69	74	84	106	v 114	v 101	v 13
4	42	122	112	108	102	577	73	72	106	v 114	v 78	v 15
5	37	110	112	106	106	765	71	62	106	v 110	v 98	v 60
6	37	655	108	106	102	108	69	60	102	v 95	v 115	v 99
7	37	741	108	108	104	84	62	60	102	v 92	116	v 99
8	36	65	119	108	102	74	32	58	104	v 93	118	v 99
9	34	55	94	63	129	73	31	65	102	v 92	122	v 101
10	37	47	43	237	1,090	73	30	65	100	v 89	118	v 99
11	38	49	40	94	460	71	32	69	104	v 94	122	v 98
12	37	41	44	87	65	73	36	74	104	v 87	133	v 99
13	34	131	102	47	60	73	39	73	108	v 88	136	v 100
14	36	147	104	63	e 54	65	80	78	102	v 85	136	v 98
15	39	156	102	106	a 62	65	84	82	98	v 96	133	v 99
16	37	152	102	432	54	65	84	82	100	v 104	127	v 101
17	82	149	104	78	54	65	40	80	100	v 110	122	v 104
18	88	140	106	52	56	60	42	80	92	v 107	102	v 105
19	96	133	104	47	98	58	88	90	v 91	v 105	94	v 105
20	102	127	104	47	98	58	96	94	v 92	v 108	92	v 105
21	114	125	106	46	94	54	110	44	v 92	v 109	88	v 75
22	120	118	117	47	92	55	110	46	v 93	v 105	86	v 20
23	133	116	100	94	94	58	114	43	v 93	v 106	86	v 32
24	147	114	98	60	92	54	108	42	v 95	v 106	84	v 49
25	140	116	98	50	94	54	96	56	v 103	v 106	86	v 52
26	136	114	100	52	100	49	94	118	v 96	v 108	92	v 51
27	145	118	100	104	104	34	96	114	v 96	v 110	94	v 50
28	147	118	98	108	900	57	88	110	v 96	v 110	v 92	v 47
29	142	122	102	108		71	86	110	v 92	v 108	v 91	v 48
30	145	127	102	104		79	86	108	v 97	v 99	v 93	v 48
31	138		104	102		98		106		v 97	v 55	

MEAN	81.4	153	99.4	99.7	167	189	72.7	77.2	99.3	101	103	70.3
ACRE-FEET	5,000	9,130	6,110	6,130	9,280	11,690	-,320	4,750	5,910	6,230	6,360	4,180

YEAR OR PERIOD MEAN 109
ACRE-FEET 79,110

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F263C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	d 43	94	37	69	52	57	71	46	9.5	8.4	100	13.9
2	d 43	94	159	110	52	65	67	44	17.2	8.1	78	3.1
3	d 45	92	36	74	49	69	64	31	14.4	8.1	86	2.6
4	d 60	80	27	76	54	73	64	20	17.2	7.8	82	4.7
5	d 43	78	25	78	58	76	65	19.5	17.2	7.8	88	7.8
6	d 43	37	25	74	58	78	67	26	15.7	8.4	88	8.8
7	d 26	47	24	71	58	78	56	21	15.7	8.4	88	14.6
8	15.0	82	33	73	74	76	21	20	26	39	82	48
9	15.7	94	154	76	58	76	18.0	18.0	43	90	78	125
10	74	36	36	78	49	82	18.0	18.0	80	88	65	127
11	86	94	30	80	44	84	16.5	15.7	94	86	14.4	127
12	90	98	29	111	54	76	12.2	12.2	96	84	10.0	138
13	84	74	28	62	57	335	12.2	15.0	96	88	18.0	125
14	84	78	59	36	52	30	49	9.2	96	86	27	76
15	86	78	30	38	52	21	22	21	77	82	27	38
16	82	78	60	69	224	28	19.5	34	31	59	27	33
17	84	94	72	64	519	47	33	52	17.2	106	26	46
18	86	133	76	51	d 49	62	26	84	8.1	102	28	49
19	86	138	1,136	28	d 38	62	18.7	80	7.8	110	29	44
20	82	142	120	30	d 32	65	18.7	84	8.1	108	31	50
21	110	136	1,649	34	d 32	65	28	84	44	106	31	64
22	112	136	83	64	d 27	73	43	86	82	100	32	90
23	114	140	d 30	64	d 27	82	43	88	78	86	31	112
24	114	140	d 27	60	d 27	84	44	90	76	78	31	145
25	118	118	d 25	65	d 38	86	44	88	74	84	31	136
26	120	131	d 25	32	49	67	46	86	67	73	31	136
27	118	33	d 25	21	47	26	47	104	71	73	32	93
28	116	127	25	30	47	82	47	44	78	73	30	34
29	112	2,173	25	38		33	43	9.5	51	80	28	28
30	104	214	25	47		50	52	9.5	9.5	78	29	28
31	92		31	49		52		9.5		98	28	

MEAN	80.7	180	134	53.7	70.6	70.3	39.2	44.2	47.2	68.2	45.4	64.9
ACRE-FEET	4,960	10,730	8,260	3,670	3,920	4,350	2,330	2,720	2,810	4,190	2,790	3,860

YEAR OR PERIOD MEAN 75.4
ACRE-FEET 54,590

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F263C-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Parkway FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	27	214	10.6	16.5	38	29	8.4	28	2.6	19.5	22	18.7
2	31	125	18.8	15.0	11.2	32	7.0	30	2.6	19.5	19.5	18.7
3	31	118	18.0	18.0	11.7	31	6.0	32	2.6	19.5	19.5	18.7
4	17.6	114	12.2	16.5	34	27	5.0	31	2.6	20	14.5	19.5
5	9.2	106	10.6	28	44	26	4.4	32	2.5	11.6	0	19.5
6	52	104	10.6	104	102	15.5	4.4	31	2.6	e 3.8	0	19.5
7	14.4	104	12.5	96	78	10.6	4.4	29	2.8	e 3.8	0	23
8	94	104	86	94	62	10.6	5.7	28	3.1	e 3.8	0	23
9	129	104	98	94	62	11.7	5.7	30	3.1	e 3.8	0	23
10	129	104	98	117	54	11.7	6.0	29	2.8	e 3.8	0	23
11	131	75	98	144	18.7	11.7	6.7	28	2.5	e 13.6	0	23
12	133	129	103	80	12.2	11.2	6.7	29	2.3	24	34	23
13	131	17.2	48	82	11.2	11.2	7.0	28	2.3	25	3.0	12.6
14	129	15.0	100	82	11.2	10.8	7.4	27	2.5	25	0	0
15	116	13.9	110	73	12.2	12.8	6.7	26	2.5	23	0	0
16	26	73	104	73	12.2	12.2	6.7	26	2.6	24	0	0
17	11.2	22	96	74	12.2	12.2	6.7	30	2.5	25	0	0
18	8.1	90	90	84	12.2	11.7	7.4	4.4	2.2	25	7.0	0
19	93	13.9	84	90	11.7	10.0	10.5	4.4	2.2	26	21	0
20	90	9.5	86	90	10.0	10.7	10.6	6.7	2.8	25	20	0
21	90	9.5	86	92	10.0	11.7	7.8	5.4	2.5	25	20	0
22	82	26	627	90	11.7	11.7	5.7	4.4	2.6	26	21	0
23	82	86	26	90	11.7	10.0	5.4	4.7	13.9	28	20	0
24	272	98	1670	96	10.0	10.6	4.7	4.4	22	28	19.5	0
25	38	86	215	67	9.5	9.8	5.0	4.7	23	26	18.0	0
26	10.6	88	103	14.4	10.0	9.4	5.0	5.0	22	26	19.5	0
27	10.6	90	1,900	13.4	12.2	9.4	6.0	4.4	21	24	19.5	0
28	10.6	90	646	13.4	18.7	9.4	11.7	3.8	19.5	26	19.5	0
29	10.6	67	39	13.4	18.7	9.1	23	2.6	20	26	12.8	0
30	100	73	18.7	11.7		9.1	25	2.6	18.7	25	0	0
31	110		14.4	10.6		9.8		2.6		22	6.0	

MEAN	72.3	75.6	214	64.0	25.3	14.3	7.96	17.6	7.2	20.2	10.8	8.9
ACRE-FEET	4,380	4,500	13,170	3,930	1,460	873	473	1,080	430	1,240	667	531

YEAR OR PERIOD MEAN 45.1
ACRE-FEET 32,740

STATION DATA SUMMARY

STA. NO. F263C-R
SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1928-29	93	0	3.9	2850	3	10	397
1929-30	152	0	4.8	3490	1	11	726
1930-31	106	0	3.4	2490	2	4	404
1931-32	1620	0	18.0	13060	2	9	3830
1932-33	286	0	4.2	3040	1	29	1450
1933-34	5580	0	23.4	16950	1	1	22000
1934-35	746	0	16.6	12190	10	17	5400
1935-36	355	0	6.3	4590	2	12	3400
1936-37	2440	0	47.3	34240*	2	14	6970
1937-38	11400	0	131	94810	3	2	22700E
1938-39	672	0	34.1	24620	9	25	2110
1939-40	544	0	27.8	20180	2	1	2110
1940-41	2700	0	139	100900	3	4	5830
1941-42	149	0	39.5	28630	12	10	412
1942-43	10500	0	289	209600	1	23	14810
1943-44	5350	0	144	104200	2	22	14100
1944-45	744	0	58.7	42520	11	12	4210
1945-46	1660	0	47.5	34370	12	23	4660
1946-47	2810	0	62.7	45420	12	30	3240
1947-48	48	0	11.8	8590	2	6	84
1948-49	77	0	8.9	6470	1	20	144
1949-50	272	0	5.7	4130	2	6	845
1950-51	16	0	0.8	558	1	30	27
1951-52B	2860	0	70.2	50900	1	16	14000
1952-53	327	0	19.2	13880	12	2	1450
1953-54	901	0	15.2	10990	2	13	5450
1954-55	323	0	12.8	9250	1	18	1590
1955-56	4030	0	33.1	24050	1	26	12400
1956-57	558	0	24.9	18000	3	1	3600
1957-58	2210	0	114	82190	4	7	6890
1958-59	777	0	16.9	33960	1	6	3870
1959-60	449	0	49.7	36100	1	12	2390
1960-61	421	0	65.9	47700	1	26	1330
1961-62	2840	0	142	103100	2	11	8810
1962-63	1080	0	58.6	42430	3	17	4320
1963-64	881	0	63.0	45700	1	22	3380
1964-65	1410	0	107	77270	4	9	5590
1965-66	916	0	76.4	55320	2	6	2670
1966-67	2270	0.3	86.7	62800	1	23	5680
1967-68C	1060	0	26.3	19060	3	8	6500
1968-69	23900	0	591	428000	1	25	40000E
1969-70	1880	13	109	79110	3	4	5530
1970-71	2170	2.6	75.4	54590	12	21	4610
1971-72	1900	0	45.3	32890	12	24	6970

B = RECORD BEGAN AT B LOCATION 03-06-52
C = RECORD BEGAN AT C LOCATION 08-09-68
* = RECORD INCOMPLETE
E = ESTIMATE

STATION NO. F 279C-R
LOS CERRITOS CHANNEL
at Stearns Street

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 36.2 square miles

LOCATION – upstream of Stearns Street, Long Beach

REGULATION – none

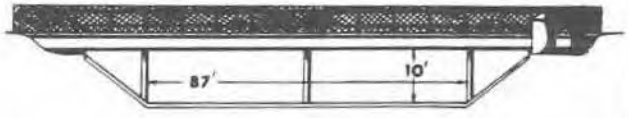
CHANNEL – concrete, trapezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F279-R, November 23, 1942, to January 1, 1949
at Station F279B-R, January 1, 1949, to May 26, 1955
at Station F279C-R, October 26, 1955, to date

REMARKS – station not in service May 26, 1955, to October 26, 1955, due to channel construction

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F279C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS CERRITOS CHANNEL at Stearns Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.5	1.7	1.2	1.0	0.2	132	1.3	1.0	3.5	4.0	1.5	b 1.6
2	1.7	1.7	1.0	1.0	0.2	46	1.2	1.0	3.5	4.4	1.5	b 1.6
3	1.7	1.7	1.0	1.0	0.2	1.3	1.5	1.0	3.5	4.4	1.3	b 1.7
4	1.9	1.7	1.2	1.1	0.2	215	1.3	1.3	3.0	4.0	1.3	b 1.6
5	1.7	1.7	1.2	1.0	0.8	27	1.3	1.5	3.0	3.0	1.5	b 1.5
6	1.5	237	1.2	1.0	0.8	1.3	1.5	1.3	4.0	3.0	1.5	b 1.4
7	1.7	80	1.2	1.1	0.8	0.8	1.5	1.3	4.0	5.4	3.0	b 1.3
8	1.3	1.2	1.7	1.7	1.0	0.8	1.3	1.3	4.0	4.4	2.1	b 1.2
9	1.9	1.2	3.0	45	13.6	0.8	1.5	1.3	4.0	4.4	2.1	b 1.1
10	1.7	4.0	1.2	69	194	1.0	1.5	1.5	4.9	4.4	1.7	b 2.0
11	1.5	1.0	1.0	33	17.0	0.6	1.5	1.0	4.4	3.5	0.8	b 1.1
12	1.3	1.0	1.0	12.5	1.3	0.8	1.7	1.2	4.9	3.0	1.0	b 1.2
13	1.2	1.0	1.3	1.3	1.2	0.8	1.7	1.2	6.8	3.0	1.0	b 1.2
14	1.2	1.2	1.3	23	1.0	0.6	1.3	1.3	4.0	3.0	1.3	b 1.3
15	1.2	1.2	1.3	4.4	0.8	0.8	1.3	1.5	4.0	3.5	1.5	b 1.4
16	1.2	1.0	1.3	175	0.8	1.0	1.3	1.9	4.4	3.0	1.3	b 1.5
17	1.2	1.0	1.5	4.0	1.0	1.0	1.3	2.6	4.4	3.0	1.5	b 1.5
18	1.2	1.0	1.3	1.2	0.8	1.0	1.2	3.5	3.5	3.5	1.7	b 1.5
19	1.0	0.8	1.3	0.8	0.6	1.0	1.3	4.0	4.0	3.0	1.7	b 1.5
20	0.8	1.2	1.3	1.0	1.3	1.2	1.7	4.4	3.5	3.0	b 1.4	b 1.5
21	1.0	1.0	1.3	0.6	1.7	1.2	1.5	4.4	3.5	3.0	b 1.4	b 1.5
22	1.7	1.2	1.2	1.0	1.3	1.5	0.8	4.9	3.5	2.1	b 1.4	b 1.5
23	1.3	1.0	1.0	1.0	1.2	1.5	1.0	4.0	3.5	2.6	b 1.4	b 1.5
24	1.3	1.0	1.0	0.8	1.5	1.5	1.0	4.0	3.5	2.1	b 1.5	b 1.5
25	1.2	1.0	1.2	1.0	1.5	1.7	1.0	4.4	4.4	1.7	b 1.5	b 1.4
26	1.2	1.0	1.0	0.8	1.3	1.7	1.0	5.4	2.6	1.5	b 1.5	b 1.3
27	1.2	0.8	0.8	1.0	1.3	1.5	1.2	4.0	3.0	1.5	b 1.5	b 1.2
28	1.7	0.8	0.6	1.0	223	2.6	0.8	3.5	3.5	1.9	b 1.5	b 1.2
29	1.7	0.8	0.4	0.4		1.7	1.0	4.0	3.5	1.7	b 1.6	b 1.1
30	1.7	0.8	0.8	0.4		1.5	1.3	4.0	3.5	1.7	b 1.6	b 1.0
31	1.9		1.0	0.2		1.3		4.0		2.1	b 1.6	
MEAN	1.42	11.7	1.18	12.5	16.8	14.6	1.29	2.64	3.86	2.96	1.52	1.36
ACRE-FEET	88	698	73	769	933	898	77	162	230	182	94	81

YEAR OR PERIOD MEAN 5.92
ACRE-FEET 4,280

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F279C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS CERRITOS CHANNEL at Stearns Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	1.2	1.0	3.0	1.2	0.6	0.4	1.3	1.0	1.3	1.2	2.6	1.7
2	1.2	1.0	26	59	0.8	0.8	1.2	1.2	1.3	1.0	2.1	1.7
3	1.2	1.0	b 0.8	b 0.6	0.8	1.0	1.3	0.8	1.5	1.0	1.9	1.7
4	1.3	1.5	1.2	0.6	1.2	0.8	1.3	0.8	1.5	1.0	1.7	1.7
5	1.2	1.0	1.2	0.4	1.5	1.0	1.3	0.8	1.5	0.8	2.1	1.7
6	0.8	2.6	0.6	0.4	1.3	0.8	1.5	1.0	1.3	1.2	2.1	1.7
7	0.4	1.0	0.6	0.4	1.0	0.6	1.3	4.4	1.3	1.5	1.5	1.7
8	0.6	0.6	0.6	0.6	1.0	0.6	1.3	6.8	1.5	1.2	1.7	2.1
9	0.6	0.8	46	0.8	1.2	0.6	1.5	0.8	1.5	1.7	1.7	2.1
10	0.6	1.0	b 1.0	0.8	0.8	0.8	1.5	0.8	1.3	1.7	1.5	1.7
11	0.8	1.0	b 1.3	0.8	0.8	0.6	1.3	1.2	1.3	1.7	1.7	1.7
12	0.8	0.8	1.3	14.7	1.0	0.8	1.3	1.0	1.2	1.5	1.7	1.7
13	0.8	1.0	1.2	32	1.2	44	1.5	1.2	1.2	1.5	1.7	1.7
14	1.0	1.0	7.6	b 1.2	1.2	1.2	126	1.2	1.2	1.3	1.5	2.1
15	1.0	1.0	b 1.7	b 1.0	1.0	1.3	1.3	1.2	1.2	1.9	1.5	1.9
16	1.2	1.2	13.2	1.2	76	1.3	0.8	1.2	1.3	2.1	1.3	1.9
17	1.0	1.0	22	0.8	22	1.3	1.7	1.0	1.0	1.9	1.3	1.3
18	1.0	1.0	262	0.6	1.5	1.5	1.2	0.6	1.0	1.5	1.3	1.3
19	1.0	1.0	351	0.4	4.0	1.5	1.0	0.8	1.0	1.3	1.5	1.3
20	1.2	1.0	33	0.6	1.0	1.5	1.3	1.0	1.2	1.9	1.5	1.3
21	1.0	1.0	149	1.2	1.5	1.5	1.2	1.0	1.2	2.1	1.2	1.3
22	1.0	1.0	b 7.8	1.0	1.0	1.3	0.8	0.8	1.0	3.5	1.5	1.3
23	1.2	1.0	b 1.2	3.5	1.2	1.5	1.0	1.0	1.0	2.1	1.5	1.3
24	1.3	1.0	b 1.2	0.8	1.2	1.5	1.2	1.2	1.2	1.9	1.5	1.3
25	1.2	4.6	b 1.2	0.6	1.2	1.7	1.0	1.2	1.2	1.9	1.5	1.3
26	0.6	34	b 1.2	0.8	1.2	1.3	1.0	1.2	1.2	1.9	1.5	1.3
27	0.8	2.1	b 1.2	1.0	0.8	1.2	1.2	4.4	1.2	2.6	1.5	1.3
28	0.6	445	b 1.2	1.2	0.8	1.3	1.2	34	1.0	2.6	1.2	1.3
29	0.8	528	1.3	0.8		1.3	1.2	1.9	1.0	2.1	1.5	1.3
30	1.0	41	1.3	1.0		1.2	1.2	1.3	1.2	1.9	1.7	1.3
31	0.8		1.3	1.0		1.5		1.3		2.1	1.7	
MEAN	0.94	36.0	31.4	4.22	4.44	2.51	5.40	2.46	1.23	1.73	1.62	1.57
ACRE-FEET	58	2,140	1,870	260	255	154	321	151	73	106	100	93

YEAR OR PERIOD MEAN 7.69
ACRE-FEET 5,580

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F279C-R

DAILY DISCHARGE IN SECOND-FEET OF LOS CERRITOS CHANNEL at Stearns Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	b 1.8	1.2	1.5	1.2	0.6	1.0	0.8	2.1	1.5	2.1	2.6	2.1
2	b 1.7	1.2	1.9	1.0	0.6	0.8	1.0	2.1	1.7	1.9	2.6	1.9
3	b 1.6	1.2	38	1.5	0.4	0.8	1.0	1.9	1.5	2.6	1.9	19.2
4	b 1.6	1.3	20	1.7	0.6	0.8	1.0	1.7	1.5	2.1	2.1	2.1
5	b 1.5	1.2	2.1	1.0	7.7	0.8	1.0	1.7	1.5	1.5	2.1	1.9
6	b 1.5	1.0	1.9	1.2	1.3	0.8	0.8	1.5	1.5	1.5	1.9	1.9
7	b 1.4	1.2	1.7	1.2	0.4	0.8	0.8	1.5	21	1.7	1.7	1.5
8	b 1.3	1.0	1.5	1.0	0.6	0.8	0.6	1.5	4.0	1.7	1.7	1.3
9	b 1.3	1.0	1.7	1.2	0.6	1.0	0.8	1.5	2.1	2.1	1.9	1.5
10	b 1.2	1.0	1.7	1.2	0.4	0.8	1.2	1.7	1.7	2.1	1.9	1.5
11	b 1.2	10.3	1.7	1.0	0.4	1.0	0.8	1.5	1.7	1.7	1.9	1.3
12	b 1.1	24	1.7	1.2	0.6	1.0	0.8	1.7	1.7	1.9	43	1.5
13	b 1.0	1.5	39	1.0	1.2	1.2	0.6	2.1	1.9	1.9	1.5	1.3
14	b 1.0	1.9	1.2	1.0	0.8	0.8	0.4	1.9	1.7	2.1	1.2	1.9
15	b 1.0	1.3	1.0	1.2	1.0	0.8	0.4	1.7	1.9	1.9	1.2	1.7
16	15.8	1.3	1.0	1.2	1.2	0.6	0.2	1.5	1.7	1.7	1.2	1.9
17	26	1.3	1.0	1.2	1.2	1.0	0.4	1.7	1.9	1.9	1.3	2.1
18	b 1.2	1.3	1.3	0.8	1.0	1.0	0.8	2.1	1.7	1.9	1.3	1.9
19	b 1.2	1.3	1.3	0.6	1.0	1.0	49	2.1	1.2	1.7	2.3	1.7
20	b 1.2	1.5	1.7	1.0	1.2	1.0	2.1	3.0	1.9	1.7	1.7	1.7
21	b 1.2	1.5	1.9	0.6	1.2	1.0	1.5	1.7	1.2	1.9	1.9	1.5
22	b 1.2	1.7	204	0.6	1.2	1.0	1.5	1.5	1.9	1.9	1.9	1.7
23	b 1.2	1.7	1.7	0.8	1.2	1.0	1.9	2.1	1.9	1.7	2.6	1.7
24	28	1.5	450	0.8	1.2	0.8	1.9	1.7	1.9	1.5	2.6	1.7
25	b 1.3	1.5	41	0.8	1.0	0.8	1.7	1.7	1.9	1.5	2.6	1.7
26	1.3	1.5	6.8	0.8	0.8	0.8	1.7	1.5	3.0	1.5	2.6	1.9
27	1.2	1.5	452	0.6	1.0	0.8	1.9	1.5	2.6	1.7	2.1	2.6
28	1.2	1.5	86	0.8	1.0	0.6	1.9	1.5	2.1	1.9	2.1	2.6
29	1.0	1.7	4.0	0.6	1.0	0.8	1.7	1.5	2.1	1.7	3.0	2.6
30	1.0	1.5	1.9	0.6		0.8	1.9	2.1	2.1	1.9	2.6	2.6
31	1.0		1.7	0.6		0.8		1.9		1.9	2.6	
MEAN	3.39	2.42	44.3	0.97	1.12	0.87	2.74	1.78	2.53	1.83	3.31	3.42
ACRE-FEET	209	144	2,730	60	64	54	163	109	151	113	204	144

YEAR OR PERIOD MEAN 2.70
ACRE-FEET 4,140

STA. NO. F279C-R
LOS CERRITOS CHANNEL AT STEARNS STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1949-50B	247	0	2.6	1900	2	6	894
1950-51	161	0	3.0	2190	1	29	934
1951-52	836	0	13.4	9730	1	18	2220
1952-53	298	0	3.9	2810	11	15	1700
1953-54	795	0	8.1	5850	2	13	2790
1954-55	362	0	6.2	4500	1	18	2120
1955-56C	1460	0	9.0	6500	1	25	3040
1956-57	280	+	4.0	2920	2	23	747
1957-58	972	+	13.4	9730	2	19	3050
1958-59	393	0	3.3	2410	2	16	1120
1959-60	351	+	5.2	3780	2	1	3120
1960-61	229	0	2.5	1830	1	26	1020
1961-62	730	+	12.3	8860	2	8	2080
1962-63	720	+	6.4	4610	2	10	3610
1963-64	295	+	3.3	2410	11	19	2430
1964-65	349	0.1	6.6	4960	4	8	1590
1965-66	541	0.2	9.4	6820	1	30	2830
1966-67	546	0.2	10.2	7390	1	22	4020
1967-68	984	0.2	8.3	6020	11	21	5160
1968-69	1130	0.2	16.1	11650	1	20	5580
1969-70	237	0.2	5.9	4280	11	6	2730
1970-71	528	0.4	7.7	5580	12	18	3300
1971-72	452	0.2	5.7	4140	12	27	3300

B = RECORD BEGAN AT B LOCATION 06-01-49
C = RECORD BEGAN AT C LOCATION 10-26-55
+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 280-R
SANTA FE CHANNEL
below Santa Fe Dam

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – controlled

LOCATION – 400.0 feet downstream of Santa Fe Dam outlet and 1.5 miles north of Baldwin Park

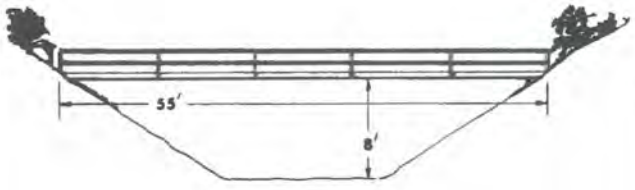
REGULATION – flow regulated by five gates of stilling basin outlet of Santa Fe Dam

CHANNEL – sand and gravel, natural section

CONTROL – concrete stabilizer

LENGTH OF RECORD –
at Station F280-S, October 1, 1942, to May 12, 1944
at Station F280-R, May 12, 1944, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F280-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA FE CHANNEL below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	a 0	a 0	a 0	0	0	0	+	5.8	+	0	0	0
2	a 0	a 0	a 0	0	0	0	0	5.2	+	0	0	0
3	a 0	a 0	a 0	0	0	135	0	4.1	+	0	0	0
4	a 0	a 0	a 0	0	0	84	0	4.3	+	0	0	0
5	a 0	a 0	a 0	0	0	0	0	8.7	+	0	0	0
6	a 0	a 0	a 0	0	0	0	0	10.0	0	0	0	0
7	a 0	a 0	a 0	0	0	0	0.1	10.3	0	0	0	0
8	a 0	a 0	a 0	0	0	0	0.2	10.0	0	0	0	0
9	a 0	a 0	a 0	0	0	0	0.3	9.6	0	0	0	0
10	a 0	a 0	a 0	0	0	0	0.3	9.3	0	0	0	0
11	a 0	a 0	a 0	0	0	0	0.3	8.7	0	0	0	0
12	a 0	a 0	a 0	0	0	0	0.3	8.4	0	0	0	0
13	a 0	a 0	a 0	0	0	0	0.3	7.9	0	0	0	0
14	a 0	a 0	a 0	0	0	0	0.3	e 3.0	0	0	0	0
15	a 0	a 0	a 0	0	0	0	0.3	e 2.5	0	0	0	0
16	a 0	a 0	a 0	0	0	0	0.3	e 2.0	0	0	0	0
17	a 0	a 0	a 0	0	0	0	8.2	e 1.5	0	0	0	0
18	a 0	a 0	a 0	0	0	0	25	e 1.0	0	0	0	0
19	a 0	a 0	a 0	0	0	0	25	e 0.5	0	0	0	0
20	a 0	a 0	a 0	0	0	0	24	e 0.5	0	0	0	0
21	a 0	a 0	a 0	0	0	0	24	e 0.4	0	0	0	0
22	a 0	a 0	a 0	0	0	0	24	e 0.3	0	0	0	0
23	a 0	a 0	a 0	0	0	0	24	e 0.3	0	0	0	0
24	a 0	a 0	a 0	0	0	0	22	e 0.3	0	0	0	0
25	a 0	a 0	a 0	0	0	0	14.3	e 0.2	0	0	0	0
26	a 0	a 0	a 0	0	0	0	8.2	e 0.2	0	0	0	0
27	a 0	a 0	a 0	0	0	0	8.2	e 0.2	0	0	0	0
28	a 0	a 0	a 0	0	0	28	9.0	e 0.1	0	0	0	0
29	a 0	a 0	a 0	0		55	8.7	e 0.1	0	0	0	0
30	a 0	a 0	a 0	0		35	7.0	e 0.1	0	0	0	0
31	a 0		a 0	0		+		e 0.1		0	0	
MEAN	0	0	0	0	0	10.9	7.81	3.73	+	0	0	0
ACRE-FEET	0	0	0	0	0	668	465	229	+	0	0	0

YEAR OR PERIOD MEAN 1.88
ACRE-FEET 1,360

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F280-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA FE CHANNEL below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	a 7.0	64	0	0	0	0	0	0	0	0
2	0	0	a 2.0	63	0	0	0	0	0	0	0	0
3	0	0	a +	63	0	0	0	0	0	0	0	0
4	0	0	a +	63	0	0	0	0	0	0	0	0
5	0	0	a 0	62	0	0	0	0	0	0	0	0
6	0	0	0	62	0	0	0	0	0	0	0	0
7	0	0	0	61	0	0	0	0	0	0	0	0
8	0	0	0	41	0	0	0	0	0	0	0	0
9	0	0	0	7.7	0	0	0	0	0	0	0	0
10	0	0	0	7.7	0	0	0	0	0	0	0	0
11	0	0	0	7.7	0	0	0	0	0	0	0	0
12	0	0	0	5.4	0	0	0	0	0	0	0	0
13	0	0	0	4.1	0	0	0	0	0	0	0	0
14	0	0	0	4.5	0	0	0	0	0	0	0	0
15	0	0	0	12.8	0	0	0	0	0	0	0	0
16	0	0	0	12.5	0	0	0	0	0	0	0	0
17	0	0	0	+	0	0	0	0	0	0	0	0
18	0	0	0	+	0	0	0	0	0	0	0	0
19	0	0	0	+	0	0	0	0	0	0	0	0
20	0	0	0	+	0	0	0	0	0	0	0	0
21	0	0	0	+	0	0	0	0	0	0	0	0
22	0	0	0	+	0	0	0	0	0	0	0	0
23	0	0	35	0	0	0	0	0	0	0	0	0
24	0	0	89	0	0	0	0	0	0	0	0	0
25	0	0	90	0	0	0	0	0	0	0	0	0
26	0	0	87	0	0	0	0	0	0	0	0	0
27	0	0	84	0	0	0	0	0	0	0	0	0
28	0	0	77	0	0	0	0	0	0	0	0	0
29	0	a 7.0	66	0		0	0	0	0	0	0	0
30	0	a 14.3	65	0		0	0	0	0	0	0	0
31	0		64	0		0		0		0	0	
MEAN	0	7.1	21.5	17.5	0	0	0	0	0	0	0	0
ACRE-FEET	0	42	1,320	1,070	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 3.37
ACRE-FEET 2,430

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F280-R

DAILY DISCHARGE IN SECOND-FEET OF SANTA FE CHANNEL below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	a 10.2	0	0	0	0	0	0	0	0
2	0	0	0	a 10.2	0	0	0	0	0	0	0	0
3	0	0	0	a 10.2	0	0	0	0	0	0	0	0
4	0	0	0	a 10.2	0	0	0	0	0	0	0	0
5	0	0	0	a 10.2	0	0	0	0	0	0	0	0
6	0	0	0	10.2	0	0	0	0	0	0	0	0
7	0	0	0	18.1	0	0	0	0	0	0	0	0
8	0	0	0	4.1	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	4.1	0	0	0	0	0	0	0	0
11	0	0	0	4.1	0	0	0	0	0	0	0	0
12	0	0	0	4.1	0	0	0	0	0	0	0	0
13	0	0	0	4.3	0	0	0	0	0	0	0	0
14	0	0	0	4.5	0	0	0	0	0	0	0	0
15	0	0	0	4.1	0	0	0	0	0	0	0	0
16	0	0	0	3.9	0	0	0	0	0	0	0	0
17	0	0	0	3.9	0	0	0	0	0	0	0	0
18	0	0	0	3.9	0	0	0	0	0	0	0	0
19	0	0	0	72	0	0	0	0	0	0	0	0
20	0	0	0	95	0	0	0	0	0	0	0	0
21	0	0	0	60	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
31	0		0	0		0		0		0	0	
MEAN	0	0	0	11.3	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	0	697	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.96
ACRE-FEET 697

STATION DATA SUMMARY

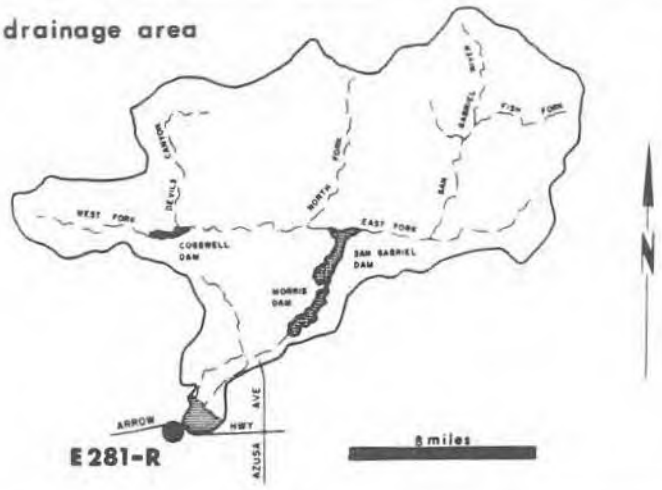
STA. NO. F280-R
SANTA FE CHANNEL BELOW SANTA FE DAM

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1943-44	253	0	20.9	15180	5	18	253
1944-45	0	0	0	0			
1945-46	479	0	31.2	22610	9	13	484
1946-47	445	0	16.8	12200	11	27	484
1947-48	786	0	10.9	7880	6	4	800
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	381	0	3.2	2280	3	15	732
1952-53	819	0	10.7	7720	11	3	839
1953-54	750	0	11.5	8350	5	7	752
1954-55	0	0	0	0			
1955-56	0	0	0	0			
1956-57	452	0	4.7	3400	4	16	455
1957-58	621	0	27.0	19530	4	4	635
1958-59	0	0	0	0			
1959-60	0	0	0	0			
1960-61	0	0	0	0			
1961-62	547	0	12.7	9190	2	12	819
1962-63	0	0	0	0			
1963-64	0	0	0	0			
1964-65	+	0	+	+	9	8	1.0
1965-66	348	0	10.4	7540	1	7	425
1966-67	227	0	21.3	15470	12	18	236
1967-68	0.8	0	+	33	11	20	0.8
1968-69	268	0	33.6	24340	4	15	290
1969-70	55	0	1.9	1360	3	3	202
1970-71	90	0	3.4	2430	12	24	92
1971-72	95	0	1.0	697	1	19	116

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. E 281 - R
SAN GABRIEL RIVER
below Santa Fe Dam

drainage area



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading or from cable car

DRAINAGE AREA - 236.0 square miles (revised)

LOCATION - 1.7 miles north of Baldwin Park

REGULATION - regulated by Santa Fe Dam

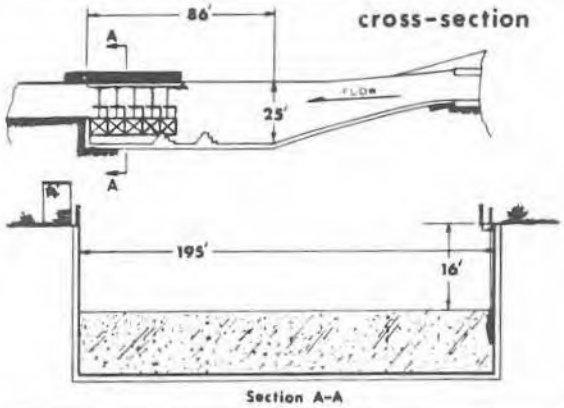
CHANNEL - Stilling basin, located in the outlet channel immediately below Santa Fe Dam

CONTROL - 195.0-foot-wide concrete overflow section to the San Gabriel River and five gated openings to the Rio Hondo diversion channel

LENGTH OF RECORD - February 9, 1943, to date

REMARKS - Station operated by USGS. Outflow from Santa Fe Dam may be diverted through Santa Fe Diversion Channel. Refer to Station 280.

cross-section



Section A-A

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. E281-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	107	58	0	0	0	0	0
2	0	0	0	0	0	248	55	0	0	0	0	0
3	0	0	0	0	0	237	53	0	0	0	0	0
4	0	0	0	0	0	261	43	0	0	0	0	0
5	0	0	0	0	0	263	20	0	0	0	0	0
6	0	0	0	0	0	238	9.5	0	0	0	0	0
7	0	0	0	0	0	218	9.5	0	0	0	0	0
8	0	0	0	0	0	218	9.5	0	0	0	0	0
9	0	0	0	0	0	218	9.5	0	0	0	0	0
10	0	0	0	0	0	213	9.5	0	0	0	0	0
11	0	0	0	0	0	208	8.6	0	0	0	0	0
12	0	0	0	0	9.6	204	6.9	0	0	0	0	0
13	0	0	0	0	7.7	204	7.7	0	0	0	0	0
14	0	0	0	0	0.6	199	9.5	0	0	0	0	0
15	0	0	0	0	0	199	8.6	0	0	0	0	0
16	0	0	0	0	0	205	8.6	0	0	0	0	0
17	0	0	0	0	0	125	5.0	0	0	0	0	0
18	0	0	0	0	0	85	0	0	0	0	0	0
19	0	0	0	0	0	85	0	0	0	0	0	0
20	0	0	0	0	0	85	0	0	0	0	0	0
21	0	0	0	0	0	79	0	0	0	0	0	0
22	0	0	0	0	0	75	0	0	0	0	0	0
23	0	0	0	0	0	75	0	0	0	0	0	0
24	0	0	0	0	0	75	0	0	0	0	0	0
25	0	0	0	0	0	72	0	0	0	0	0	0
26	0	0	0	0	0	72	0	0	0	0	0	0
27	0	0	0	0	0	66	0	0	0	0	0	0
28	0	0	0	0	0.2	40	0	0	0	0	0	0
29	0	0	0	0		20	0	0	0	0	0	0
30	0	0	0	0		37	0	0	0	0	0	0
31	0		0	0		60		0		0	0	
MEAN	0	0	0	0	0.7	145	11.0	0	0	0	0	0
ACRE-FEET	0	0	0	0	36	8,910	657	0	0	0	0	0

YEAR OR PERIOD MEAN 13.3

ACRE-FEET 10,960

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E281-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	13	95	0	6.9	0	0	0	0	0	0
2	0	0	13	95	0	6.1	0	0	0	0	0	0
3	0	0	12	91	0	4.5	0	0	0	0	0	0
4	0	0	12	95	0	0	0	0	0	0	0	0
5	0	0	10	91	0	0	0	0	0	0	0	0
6	0	0	9.5	88	0	0	0	0	0	0	0	0
7	0	0	7.7	88	0	3.9	0	0	0	0	0	0
8	0	0	0.2	55	0.5	5.4	0	0	0		0	0
9	0	0	0	0	5.4	4.7	0	0	0	0	0	0
10	0	0	0	0	6.1	3.4	0	0	0	0	0	0
11	0	0	0	0	6.1	2.8	0	0	0	0	0	0
12	0	0	0	0.9	5.4	2.3	0	0	0	0	0	0
13	0	0	0	57	4.7	8.6	0	0	0	0	0	0
14	0	0	0	88	4.7	2.8	0	0	0	0	0	0
15	0	0	0	73	4.7	0	0	0	0	0	0	0
16	0	0	46	14	5.4	2.3	0	0	0	0	0	0
17	0	0	116	0	14	2.3	0	0	0	0	0	0
18	0	0	58	0	6.1	1.8	0	0	0	0	0	0
19	0	0	19	0	6.1	1.4	0	0	0	0	0	0
20	0	0	20	0	6.1	1.4	0	0	0	0	0	0
21	0	0	22	0	4.7	1.4	0	0	0	0	0	0
22	0	0	82	0	4.7	1.0	0	0	0	0	0	0
23	0	0	99	0	4.1	0.5	0	0	0	0	0	0
24	0	0	91	0	3.4	0.2	0	0	0	0	0	0
25	0	0	88	0	2.0	0	0	0	0	0	0	0
26	0	0	88	0	3.4	0	0	0	0	0	0	0
27	0	0	82	0	4.1	0	0	0	0	0	0	0
28	0	0	91	0	4.7	0	0	0	0	0	0	0
29	0	0	101	0		0	0	0	0	0	0	0
30	0	7.0	101	0		0	0	0	0	0	0	0
31	0		98	0		0		0		0	0	
MEAN	0	0.2	41.3	30.0	3.80	2.05	0	0	0	0	0	0
ACRE-FEET	0	14	2,540	1,850	211	126	0	0	0	0	0	0

YEAR OR PERIOD MEAN 6.54
ACRE-FEET 7,170

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E281-R

DAILY DISCHARGE IN SECOND-FEET OF SAN GABRIEL RIVER below Santa Fe Dam FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	7.4	0	0	0	0	0	0	0	0
2	0	0	0	3.5	0	0	0	0	0	0	0	0
3	0	0	0	1.8	0	0	0	0	0	0	0	0
4	0	0	0	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	4.0	0	0	0	0	0	0	0	0	0
25	0	0	12.	0	0	0	0	0	0	0	0	0
26	0	0	11	0	0	0	0	0	0	0	0	0
27	0	0	11	0	0	0	0	0	0	0	0	0
28	0	0	11	0	0	0	0	0	0	0	0	0
29	0	0	11	0	0	0	0	0	0	0	0	0
30	0	0	10	0		0	0	0	0	0	0	0
31	0		9.1	0		0		0		0	0	
MEAN	0	0	2.55	.41	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	157	25	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.25
ACRE-FEET 182

STA. NO. E281-R

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1942-43	6700	0	242	175100	1	23	8000
1943-44	2550	0	133	96890	2	22	3480
1944-45	783	0	14.0	10140	2	2	960
1945-46	1140	0	45.0	32560	12	23	1600
1946-47	2550	0	53.3	38600	12	31	2580
1947-48	309	0	11.2	8120	6	4	822
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	838	0	45.2	32800	1	17	861
1952-53	488	0	23.5	16990	10	30	598
1953-54	0	0	0	0			
1954-55	0	0	0	0			
1955-56	0	0	0	0			
1956-57	0	0	0	0			
1957-58	944	0	126	91530	4	5	1210
1958-59	342	0	12.4	9000	2	24	606
1959-60	3.3	0	0.2	15	2	2	6.9
1960-61	0	0	0	0			
1961-62	437	0	46.2	33450	2	13	728
1962-63	0	0	0	0			
1963-64	24	0.1	1.0	754			
1964-65	0	0	0	0			
1965-66	6000	0	133	96200	11	23	11000
1966-67	597	0	62.1	44930	3	23	614
1967-68	2.8	0	+	5.5	11	29	30
1968-69	26000	0	540	391200	1	26	30900
1969-70	263	0	13.3	9600	3	4	458
1970-71	116	0	6.5	7170	12	17	116
1971-72	12	0	0.2	182	12	12	25

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

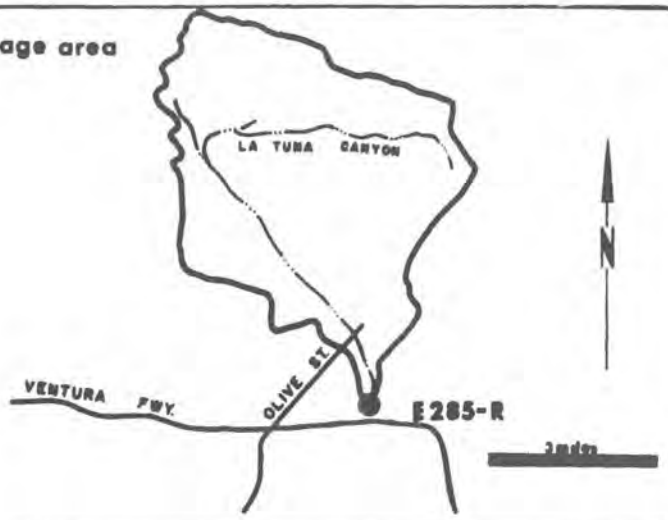
STA. NO. E281-R

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS.	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	PEAK FLOW CFS
1942-43	6700	0	242	175100	1	23	8000
1943-44	2550	0	133	96890	2	22	3480
1944-45	783	0	14.0	10140	2	2	960
1945-46	1140	0	45.0	32560	12	23	1600
1946-47	2550	0	53.3	38600	12	31	2580
1947-48	809	0	11.2	8120	6	4	822
1948-49	0	0	0	0			
1949-50	0	0	0	0			
1950-51	0	0	0	0			
1951-52	838	0	45.2	32800	1	17	861
1952-53	488	0	23.5	16990	10	30	598
1953-54	0	0	0	0			
1954-55	0	0	0	0			
1955-56	0	0	0	0			
1956-57	0	0	0	0			
1957-58	944	0	126	91530	4	5	1210
1958-59	342	0	12.4	9000	2	24	606
1959-60	3.3	0	0.2	15	2	2	6.9
1960-61	0	0	0	0			
1961-62	437	0	46.2	33450	2	13	728
1962-63	0	0	0	0			
1963-64	24	0.1	1.0	754			
1964-65	0	0	0	0			
1965-66	6000	0	133	96200	11	23	11000
1966-67	597	0	62.1	44930	3	23	614
1967-68	2.8	0	+	5.5	11	29	30
1968-69	26000	0	540	391200	1	26	30900
1969-70	263	0	13.3	9600	3	4	458
1970-71	116	0	6.5	7170	12	17	116
1971-72	12	0	0.2	182	12	12	25

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. E 285 - R
BURBANK-WESTERN ST. DR.
at Riverside Drive

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading and from bridge

DRAINAGE AREA – 25.0 square miles

LOCATION – 20.0 feet upstream from Riverside Drive bridge, Glendale

REGULATION – Several debris basins on tributaries

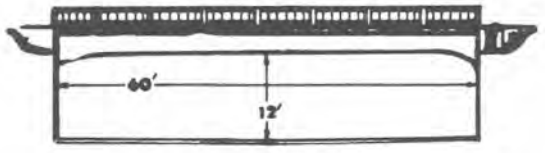
CHANNEL – concrete, rectangular section

CONTROL – channel forms control

LENGTH OF RECORD – October 1, 1949 to date

REMARKS – operated in cooperation with the USCE

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E285-R

DAILY DISCHARGE IN SECOND-FEET OF BURBANK WESTERN STORM DRAIN at Riverside Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	5.6	5.6	4.5	13.2	17.8	74	11.7	8.6	7.1	5.6	8.6	b 7.7
2	8.6	5.6	7.1	13.2	16.2	32	10.2	7.1	10.2	5.6	8.6	b 7.7
3	8.6	7.1	5.0	13.2	10.2	10.2	8.6	5.6	10.2	4.5	10.2	b 7.7
4	7.1	7.1	7.1	8.6	8.6	144	8.6	5.6	10.2	3.9	8.6	b 7.7
5	7.1	7.1	5.6	8.6	8.6	8.0	7.1	5.6	10.2	3.4	8.6	b 7.7
6	8.6	153	5.0	8.6	7.1	11.7	5.6	5.6	10.2	8.6	8.6	b 7.7
7	7.1	14.3	5.0	5.6	7.1	13.2	5.6	10.2	10.2	8.6	8.6	b 7.7
8	7.1	7.1	7.1	8.6	7.1	13.2	5.0	8.6	13.2	10.2	8.6	b 7.7
9	7.1	7.1	5.6	16.4	3.3	13.2	5.0	8.6	8.6	8.6	8.6	b 7.7
10	7.1	8.6	7.1	15.9	52	14.7	5.0	7.1	8.6	8.6	8.6	b 7.7
11	7.1	8.6	8.6	11.0	16.3	13.2	3.9	7.1	7.1	10.2	8.6	b 7.7
12	7.1	8.6	7.1	8.6	7.1	10.2	4.5	7.1	7.1	10.2	8.6	b 7.7
13	8.6	8.6	8.6	5.6	7.1	10.2	4.5	5.6	7.1	8.6	8.6	b 7.7
14	7.1	8.6	7.1	10.2	5.6	11.7	3.9	5.0	8.6	8.6	7.1	b 7.7
15	8.6	7.1	7.1	5.6	5.6	5.1	3.9	5.6	10.2	7.1	7.1	a 7.7
16	7.1	7.1	7.1	64	5.6	5.6	5.6	5.6	10.2	5.6	7.1	a 7.7
17	7.1	7.1	7.1	5.6	5.0	5.0	5.6	5.6	10.2	5.6	7.1	a 7.7
18	5.6	7.1	7.1	5.6	5.6	7.1	7.1	5.6	8.6	5.6	7.1	a 7.7
19	5.6	7.1	8.6	5.0	5.0	8.6	5.6	5.6	8.6	5.6	7.1	a 7.7
20	5.6	7.1	7.1	5.0	5.6	8.6	8.6	5.6	8.6	5.6	7.1	a 7.7
21	7.1	8.6	7.1	5.6	7.1	7.1	5.6	8.6	3.9	7.1	5.6	a 7.7
22	7.1	7.1	7.1	7.1	5.6	11.7	8.6	8.6	3.9	8.6	5.0	a 7.7
23	5.6	5.6	7.1	7.1	7.1	11.7	7.1	8.6	7.1	8.6	5.0	a 7.7
24	7.1	5.6	7.1	5.6	8.6	11.7	5.6	8.6	8.6	8.6	5.0	a 7.7
25	8.6	5.6	5.6	7.1	8.6	11.7	5.6	8.6	8.6	8.6	8.6	a 7.7
26	7.1	5.6	7.1	8.6	8.6	11.7	7.1	8.6	5.0	8.6	8.6	a 7.7
27	8.6	5.6	7.1	8.6	14.7	11.7	10.2	8.6	3.9	10.2	5.6	a 7.7
28	7.1	5.6	7.1	13.2	198	11.7	8.6	8.6	3.9	10.2	5.6	a 7.7
29	7.1	5.6	13.2	13.2		11.7	8.6	8.6	3.9	10.2	5.6	a 7.7
30	5.6	5.0	13.2	14.7		37	8.6	7.1	3.9	10.2	5.6	a 7.7
31	5.6		13.2	14.7		11.7		7.1		10.2	7.1	
MEAN	7.10	12.0	7.40	11.1	17.7	18.4	6.70	7.20	7.90	7.80	7.43	7.70
ACRE-FEET	438	696	455	682	981	1,130	399	441	471	479	457	456

YEAR OR PERIOD MEAN 9.93
ACRE-FEET 7,080

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. E285-R

DAILY DISCHARGE IN SECOND-FEET OF BURBANK WESTERN STORM DRAIN at Riverside Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	7.1	8.6	8.6	b 8.6	10.2	5.6	8.6	4.5	b 5.6	5.6	2.2	7.1
2	5.6	11.7	49	b 8.6	8.6	5.0	8.6	4.5	b 5.6	4.5	2.2	7.1
3	8.6	10.2	b 8.6	b 8.6	10.2	5.0	7.1	7.1	b 5.6	3.9	2.8	7.1
4	8.6	8.6	b 8.6	b 8.6	10.2	13.2	7.1	7.1	b 5.6	3.9	2.2	5.6
5	10.2	5.6	b 8.6	b 8.6	10.2	11.7	10.2	5.6	b 5.6	4.5	2.2	5.6
6	11.7	36	b 8.6	b 8.6	10.2	5.6	10.2	21	5.6	5.0	b 5.0	5.6
7	8.6	2.8	b 8.6	b 8.6	10.2	5.6	8.6	16.2	7.1	5.0	b 5.0	5.6
8	7.1	2.8	b 8.6	16.2	13.2	5.6	7.1	8.6	7.1	5.0	b 5.0	5.6
9	5.0	3.4	b 8.6	14.7	17.8	5.6	5.6	5.6	7.1	5.0	b 5.0	5.6
10	5.0	2.8	b 8.6	14.7	19.3	5.6	5.6	5.6	8.6	5.0	b 5.0	5.6
11	5.0	2.8	b 8.6	13.2	10.2	5.6	5.0	5.6	13.2	4.5	b 5.0	5.6
12	7.1	3.4	b 8.6	99	8.6	5.6	8.6	5.6	13.2	4.5	8.6	5.6
13	7.1	3.4	b 8.6	11.7	5.6	36	10.2	8.6	8.6	4.5	8.6	5.6
14	7.1	2.8	b 8.6	b 8.6	5.6	b 16.2	110	8.6	8.6	4.5	8.6	5.6
15	7.1	2.8	b 8.6	b 8.6	7.1	b 16.2	5.6	7.1	5.6	5.6	7.1	7.1
16	5.0	2.8	b 8.6	b 8.6	75	b 16.2	4.5	5.6	5.6	4.5	5.6	7.1
17	4.5	2.8	b 8.6	b 8.6	b 28	b 16.2	4.5	5.0	5.6	3.9	5.6	7.1
18	3.9	3.4	281	b 8.6	b 14.7	b 16.2	4.5	5.6	5.6	2.8	5.6	7.1
19	5.6	3.4	105	b 8.6	b 14.7	b 16.2	7.1	5.0	5.6	3.9	7.1	7.1
20	5.6	3.4	b 8.6	b 8.6	14.7	16.2	5.0	5.6	5.6	3.9	5.6	8.6
21	5.6	3.4	206	b 8.6	11.7	10.2	4.5	8.6	5.6	4.5	5.6	8.6
22	4.5	3.4	b 8.6	b 8.6	10.2	8.6	5.0	8.6	5.6	5.0	8.6	8.6
23	5.0	3.4	b 8.6	b 8.6	10.2	8.6	3.4	7.1	5.6	5.6	10.2	8.6
24	5.6	3.4	b 8.6	b 8.6	10.2	8.6	4.5	8.6	5.6	5.6	8.6	8.6
25	5.6	22	b 8.6	b 8.6	11.7	8.6	4.5	7.1	5.0	5.0	7.1	8.6
26	5.6	21	b 8.6	b 8.6	8.6	8.6	4.5	7.1	4.5	7.1	10.2	8.6
27	7.1	7.1	b 8.6	10.2	5.0	8.6	4.5	7.1	3.9	5.6	5.6	8.6
28	5.6	248	b 8.6	10.2	5.0	8.6	4.5	14.7	4.5	2.8	5.6	8.6
29	7.1	771	b 8.6	8.6		8.6	7.1	b 5.6	4.5	2.8	5.6	8.6
30	7.1	b 10.2	b 8.6	8.6		8.6	5.6	b 5.6	5.6	2.8	5.6	8.6
31	10.2		b 8.6	8.6		10.2		b 5.6		2.8	7.1	
MEAN	6.60	40.5	28.2	12.8	13.5	10.5	9.56	7.54	6.37	4.50	6.93	7.25
ACRE-FEET	406	2,410	1,730	769	748	648	569	464	379	277	365	432

YEAR OR PERIOD MEAN 12.7
ACRE-FEET 9,200

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO E285-R

DAILY DISCHARGE IN SECOND-FEET OF BURBANK WESTERN STORM DRAIN at Riverside Drive FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	7.9	10.6	10.6	9.1	7.9	9.1	6.7	4.5	11.7	7.1	7.1	8.6
2	10.6	10.6	17.4	9.1	6.7	6.7	10.6	4.5	11.7	5.6	7.1	5.6
3	10.6	9.1	5.0	9.1	6.7	6.7	10.6	4.5	11.7	7.1	7.1	5.6
4	11.9	7.9	5.0	9.1	6.7	6.7	7.9	5.0	11.7	5.6	11.7	5.6
5	7.9	7.9	5.0	9.1	7.9	6.7	7.9	5.0	11.7	7.1	8.6	5.6
6	7.9	9.1	5.6	9.1	7.9	9.1	7.9	5.0	10.2	8.6	7.1	5.6
7	9.1	7.9	5.0	9.1	7.9	9.1	7.9	5.0	13.2	5.6	7.1	5.6
8	9.1	6.7	5.0	9.1	6.7	9.1	9.1	4.5	8.6	5.6	8.6	5.6
9	9.1	6.7	5.6	9.1	9.1	9.1	9.1	5.6	8.6	5.6	11.7	5.6
10	9.1	6.7	5.6	10.6	9.1	9.1	7.9	7.1	7.1	8.6	11.7	5.6
11	9.1	7.9	6.7	10.6	9.1	11.9	7.9	5.6	7.1	8.6	10.2	5.6
12	10.6	20	10.6	10.6	9.1	13.1	6.7	5.0	11.7	8.6	41	5.6
13	10.6	5.0	6.9	10.6	9.1	10.6	7.9	4.5	10.2	8.6	7.1	5.6
14	10.6	5.6	5.6	11.9	9.1	13.1	10.6	4.5	7.1	8.6	7.1	5.6
15	9.1	10.6	10.6	11.9	10.6	10.6	9.1	4.5	8.6	7.1	7.1	5.6
16	10.6	11.9	11.9	10.6	10.6	10.6	7.9	5.0	7.1	7.1	7.1	4.5
17	5.6	11.9	13.1	11.9	10.6	11.9	7.9	5.0	5.6	7.1	5.6	3.9
18	6.7	11.9	11.9	10.6	7.9	14.6	7.1	5.6	5.6	7.1	5.6	5.6
19	5.6	10.6	5.6	11.9	7.9	15.7	7.1	7.1	7.1	8.6	5.6	5.6
20	6.7	13.1	5.6	11.9	7.9	14.6	7.1	10.2	7.1	8.6	5.6	5.0
21	9.1	13.1	7.9	10.6	9.1	11.9	4.5	8.6	7.1	8.6	5.0	5.0
22	15.7	13.1	90	9.1	9.1	15.7	4.5	10.1	8.6	8.6	5.6	3.9
23	15.7	10.6	10.6	9.1	9.1	13.1	3.9	8.6	7.1	8.6	5.6	5.0
24	56	10.6	291	9.1	7.9	10.6	4.5	10.2	7.1	8.6	6.2	7.1
25	7.9	10.6	93	7.9	9.1	9.1	10.6	10.2	5.6	7.1	6.8	8.6
26	7.9	10.6	17.3	10.6	7.9	13.1	4.5	8.6	7.1	7.1	7.4	8.6
27	7.9	10.6	131	10.6	7.9	11.9	4.5	7.1	7.1	7.1	8.0	10.2
28	9.1	11.9	28	10.6	9.1	7.9	4.5	5.0	8.6	7.1	8.6	13.2
29	11.9	13.1	9.1	10.6	11.9	7.9	4.5	5.6	7.1	7.1	8.6	11.7
30	11.9	13.1	9.1	10.6		6.7	4.5	5.6	7.1	7.1	8.6	10.2
31	11.9		9.1	9.1		5.6		10.2		7.1	8.6	
MEAN	11.9	10.3	27.6	10.1	8.61	10.4	7.18	6.37	8.53	7.44	8.67	6.50
ACRE-FEET	735	613	1,690	621	495	638	427	392	508	457	533	387

YEAR OR PERIOD MEAN 10.3
ACRE-FEET 7,490

STATION DATA SUMMARY

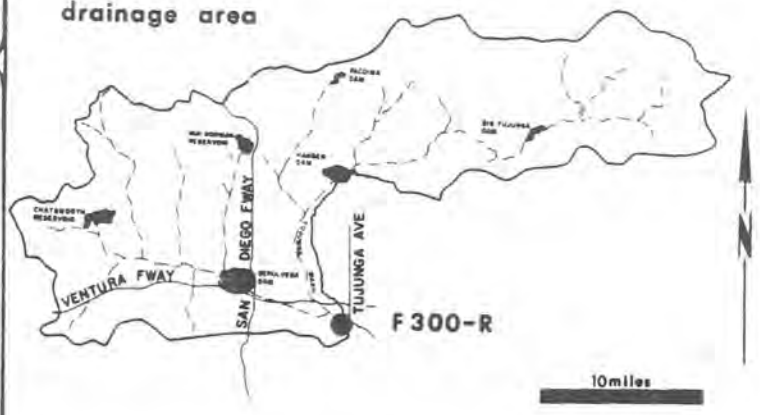
STA. NO. E265-R
BURBANK WESTERN STORM DRAIN AT RIVERSIDE DRIVE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1950-51	50	1.2	4.0	2870	1	11	920
1951-52	310	1.2	8.9	6490	1	16	1400
1952-53	89	0	4.7	3400	12	20	1380
1953-54	144	2.1	5.7	4140	3	16	1070
1954-55	123	1.2	5.6	4020	1	18	849
1955-56	400	2.0	5.6	4070	1	26	N.D.
1956-57	192	1.6	4.9	3530	2	23	1770
1957-58	232	1.9	8.2	5950	2	19	1270
1958-59	222	1.6	4.9	3540	2	11	1650
1959-60	112	1.7	4.5	3280	1	10	854
1960-61	170	1.7	4.9	3570	11	5	1400
1961-62	583	1.7	10.2	7380	2	12	2310
1962-63	444	0.6	6.4	4640	2	9	1800
1963-64	141	1.7	5.4	3940	3	22	1220
1964-65	220	1.7	6.9	5010	4	1	2570
1965-66	897	1.1	11.4	8290	12	29	2980
1966-67	730	3.4	15.4	11170	11	7	3500
1967-68	499	4.5	12.7	9250	3	8	2640
1968-69	982	5.0	24.4	17640	1	25	2830
1969-70	198	3.4	9.8	7080	3	4	1500
1970-71	771	2.2	12.7	9200	11	29	4600
1971-72	291	3.9	10.3	7490	10	24	1650

N.D. = NOT DETERMINED

STATION NO. F 300 - R
LOS ANGELES RIVER
at Tujunga Avenue

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 401.0 square miles

LOCATION – 200.0 feet above Tujunga Avenue bridge Studio City

REGULATION – flow regulated by Sepulveda, Big Tujunga Hansen, and Pacoima Dams, Lopez Debris Dam, and Project No. 85 Diversion

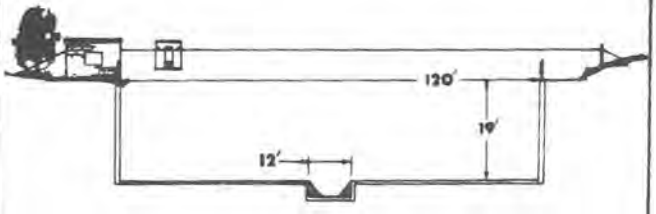
CHANNEL – concrete, rectangular section, 120 feet wide by 19 feet deep

CONTROL – channel forms control

LENGTH OF RECORD – May 8, 1950, to date

REMARKS – subject to diversions at mouth of Big Tujunga and Pacoima Canyons for irrigation; at Big Tujunga, Branford, Hansen, and Pacoima Spreading Grounds

cross–section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F300-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER at Tujunga Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY		APRIL		MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.6	14.9	22	13.9	11.1	2,090	18.3	a	17.7	18.3	17.5	12.0	14.4
2	10.6	13.9	21	14.2	11.8	602	15.7	a	18.0	18.8	15.4	12.5	14.7
3	10.4	13.9	10.6	15.7	12.0	89	20	a	18.3	19.1	16.9	12.7	16.4
4	10.0	13.7	11.1	14.4	13.4	1,550	15.9	a	18.5	17.7	16.7	13.9	15.2
5	8.2	15.2	12.2	13.0	13.0	252	14.4	a	18.8	16.9	15.7	14.7	14.2
6	10.9	2,450	11.6	10.9	13.0	a 39	14.7	a	19.1	16.2	16.2	15.2	13.7
7	11.6	509	12.0	8.9	13.2	a 30	14.9	a	19.4	16.4	15.9	15.7	14.2
8	11.1	38	13.9	11.1	13.2	a 27	14.2		19.1	21	15.4	16.2	14.7
9	11.6	46	14.4	132	1,120	a 23	15.2	a	19.1	16.2	14.7	14.4	14.7
10	10.6	36	17.6	429	1,930	22	15.2	a	18.5	16.2	17.2	13.9	15.4
11	11.3	21	11.6	163	139	20	13.9	a	18.0	14.9	14.9	13.9	15.7
12	11.3	26	11.8	51	26	20	14.9		17.5	15.7	14.2	14.4	15.4
13	11.8	10.9	14.9	14.9	15.9	21	14.7		17.7	49	14.7	16.7	14.7
14	12.5	11.3	11.6	45	11.8	20	21		16.2	14.2	15.4	19.1	14.4
15	16.9	11.8	11.8	42	10.6	18.3	14.7		17.2	13.2	14.7	15.9	13.2
16	12.0	13.0	11.6	941	9.7	16.7	15.7		23	17.7	15.4	14.9	14.7
17	14.2	10.0	11.3	36	12.2	18.4	15.4		20	14.4	15.7	15.2	14.4
18	11.8	8.7	11.8	14.9	11.1	13.4	16.2		18.5	15.2	15.2	15.7	14.4
19	11.6	9.7	12.0	11.6	9.5	12.5	15.9		18.5	14.4	14.2	15.2	13.4
20	11.6	10.4	11.6	11.3	9.3	13.7	16.2		18.8	13.7	14.4	14.7	12.7
21	13.4	14.2	11.3	12.0	11.6	15.2	15.7		16.4	14.7	15.9	14.4	15.2
22	14.4	18.9	14.7	12.0	11.6	15.7	14.4		17.5	15.4	15.9	16.4	16.9
23	14.4	22	11.6	12.7	11.3	15.4	14.4		17.7	15.7	21	14.7	14.2
24	14.2	16.7	22	26	11.3	17.7	15.4		17.7	14.9	18.8	13.9	14.9
25	14.4	11.8	34	12.5	11.6	21	15.2		25	15.9	17.5	14.7	14.4
26	14.2	14.2	34	12.0	12.0	22	14.9		21	16.7	16.7	14.7	13.2
27	13.9	18.5	32	11.6	11.0	a 21	14.4		19.7	15.2	16.7	15.4	15.2
28	13.7	18.8	30	10.4	2,180	a 21	14.4		20	15.4	18.8	15.7	14.2
29	14.7	15.4	16.7	10.0		a 21	15.9		19.4	15.7	12.7	15.4	14.9
30	13.7	17.6	6.4	10.4		a 35	16.2		20	17.5	10.2	14.9	13.4
31	17.3		10.0	10.6		a 21			20		11.6	15.7	
MEAN	12.5	115	15.8	68.8	202	165	15.6		18.9	17.2	15.7	14.9	14.6
ACRE-FEET	771	6,850	970	4,230	11,240	10,160	928		1,160	1,020	964	918	869

YEAR OR PERIOD MEAN 55.4
ACRE-FEET 40,080

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F300-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER at Tujunga Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	13.0	8.9	b 83	b 14.5	b 15.1	168	25	b 18.0	16.4	b 20	13.7	15.4
2	13.7	9.5	b 411	b 15.6	b 14.1	150	24	b 17.6	15.9	b 19.0	13.9	14.9
3	20	8.7	b 15.6	b 14.9	b 13.1	155	25	b 17.6	17.2	b 18.0	14.2	13.7
4	26	8.7	b 15.6	b 14.9	b 12.1	157	22	b 17.6	18.0	b 17.5	16.4	14.9
5	14.2	8.9	19.4	b 14.9	13.2	154	24	b 17.6	15.9	b 17.5	16.2	14.9
6	13.7	113	14.7	b 14.9	15.2	148	27	b 17.6	16.2	b 17.5	14.7	156
7	10.2	13.9	11.1	b 14.9	15.2	149	28	b 17.6	16.7	b 17.5	17.2	16.6
8	10.2	10.6	11.1	b 14.9	17.7	149	24	b 17.6	18.5	b 17.5	17.5	13.0
9	10.2	9.5	225	b 14.9	164	149	27	b 17.6	18.0	b 17.5	17.5	15.4
10	10.9	8.9	11.1	b 14.9	436	148	27	b 17.6	17.2	b 17.5	16.4	15.2
11	10.6	8.2	8.0	b 14.9	400	146	24	b 17.6	14.9	b 17.5	15.9	15.7
12	11.1	8.0	7.8	b 526	259	151	26	b 17.6	13.7	b 17.5	19.1	15.9
13	10.4	7.6	10.9	b 247	187	563	28	b 17.6	15.9	b 17.5	22	18.3
14	9.7	7.0	150	b 66	35	148	584	b 18.0	15.4	b 17.5	19.7	18.8
15	9.5	7.4	11.3	b 13.9	44	128	38	b 18.5	44	b 17.0	16.9	16.7
16	10.2	8.9	114	b 13.9	355	104	32	b 19.0	b 30	b 16.5	16.7	16.7
17	8.2	9.1	186	b 13.9	411	44	30	b 19.5	b 30	16.2	16.4	15.4
18	8.0	9.5	2,920	b 13.9	30	40	b 20	b 20	b 28	15.7	16.2	18.0
19	8.4	10.2	2,480	b 13.9	29	36	b 20	b 20	b 27	17.2	196	17.2
20	7.6	12.2	257	b 13.9	25	30	b 20	21	b 26	16.9	15.4	16.7
21	8.7	13.4	3,150	b 13.9	19.4	58	b 20	18.5	b 25	17.7	16.2	16.4
22	7.8	11.6	b 15.6	b 14.3	18.8	25	b 20	16.4	b 23	15.9	15.7	13.9
23	7.8	11.8	b 15.6	b 14.7	21	24	b 20	17.2	b 22	17.7	16.4	14.7
24	8.4	11.3	b 15.6	b 15.1	17.7	32	b 20	21	b 22	15.4	17.2	14.2
25	7.6	115	b 14.5	b 15.5	17.2	27	b 20	20	b 22	14.9	19.9	14.2
26	7.2	167	b 14.5	b 15.9	18.5	31	b 36	19.7	b 22	15.9	14.9	13.4
27	7.6	10.0	b 14.5	b 16.5	126	66	b 40	48	b 21	15.2	16.4	13.4
28	6.8	1,900	b 14.5	b 16.5	169	69	b 19.8	192	b 21	14.9	17.2	14.7
29	7.4	9,170	b 14.5	b 16.5		26	b 19.8	16.9	b 21	13.7	16.2	13.9
30	8.9	b 574	b 14.5	b 16.5		24	b 19.8	15.9	b 21	13.0	14.7	13.4
31	8.0		b 14.5	b 16.5		28		13.7		13.0	14.9	
MEAN	10.4	409	331	40.6	104	107	43.7	24.7	21.2	16.7	21.9	20.1
ACRE-FEET	639	24,340	20,350	2,500	5,750	6,580	2,600	1,520	1,260	1,020	1,340	1,190

YEAR OR PERIOD MEAN 95.4
ACRE-FEET 69,090

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F300-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER at Tujunga Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	12.2	10.0	12.0	20	13.4	13.9	15.4	14.2	16.3	14.9	13.0	13.3
2	14.2	10.6	34	20	12.7	15.2	15.2	14.9	15.7	12.2	13.7	10.9
3	14.2	12.7	28	19.1	12.7	15.7	15.2	14.4	15.4	11.8	10.2	10.6
4	14.2	13.0	24	12.5	17.3	16.4	17.5	14.9	15.7	12.2	9.1	12.2
5	14.9	13.7	12.2	12.7	147	18.8	16.7	14.7	17.2	11.3	9.7	12.5
6	15.7	13.9	12.5	18.3	18.5	17.5	15.4	17.7	22	11.1	8.0	13.0
7	16.7	14.4	12.7	17.7	14.7	16.9	14.2	17.3	37	9.7	11.3	11.6
8	16.4	12.5	11.1	14.7	12.7	16.7	15.4	14.7	13.4	12.5	10.9	11.1
9	16.9	12.7	12.2	13.7	16.4	17.2	15.2	16.2	12.2	11.8	10.9	10.6
10	16.4	12.7	13.9	13.7	14.7	27	14.2	16.4	10.4	11.4	10.4	9.8
11	15.9	33	12.7	20	32	33	15.7	14.4	12.7	11.8	10.6	11.2
12	15.2	199	13.7	16.4	18.4	18.3	14.2	19.4	12.0	12.0	131	11.5
13	12.2	12.0	126	16.4	18.5	18.0	12.5	16.2	13.8	18.8	24	11.3
14	12.7	9.1	10.4	15.9	14.4	15.9	11.8	17.2	10.0	16.4	13.5	9.3
15	15.9	9.1	10.6	16.7	13.9	15.4	15.4	16.7	12.5	13.4	12.0	10.0
16	23	10.2	9.1	16.4	18.0	15.9	27	16.2	12.2	13.7	12.2	9.3
17	20	13.7	34	25	14.2	15.9	22	14.4	13.4	13.2	11.6	8.9
18	12.0	14.9	10.2	19.1	15.4	17.2	23	14.4	13.0	13.4	12.0	8.7
19	12.7	12.2	10.6	21	14.2	15.4	22	14.4	11.8	13.1	11.1	9.3
20	12.7	13.2	10.0	21	14.4	15.2	13.7	22	13.2	11.4	11.1	9.1
21	13.2	14.4	10.0	21	14.4	14.9	14.7	13.9	13.2	9.3	11.8	9.5
22	13.2	14.4	1,110	18.8	13.7	14.7	14.9	12.7	13.0	8.9	11.6	10.2
23	13.2	13.7	121	19.1	15.2	14.2	15.2	16.4	11.8	9.3	13.4	9.7
24	349	13.7	1,180	17.5	16.4	14.4	20	15.2	13.7	10.6	16.4	9.7
25	35	13.7	1,240	18.3	17.7	14.2	29	13.7	14.3	9.7	10.6	8.9
26	10.2	12.7	238	24	16.9	13.4	14.7	14.2	11.4	10.9	11.6	7.8
27	10.4	13.2	2,800	22	18.3	13.2	14.9	15.7	13.7	10.4	10.4	8.9
28	8.0	12.7	1,040	20	17.7	13.2	14.4	16.2	13.2	13.4	13.0	9.1
29	10.6	13.4	b 66	18.0	16.4	13.2	14.7	15.7	14.4	13.4	10.4	9.3
30	8.7	12.7	b 35	13.9		13.4	14.4	16.4	15.4	12.5	10.9	8.7
31	9.3		b 28	12.5		14.7		16.2		12.0	11.8	
MEAN	25.6	19.6	267	17.9	20.7	16.4	16.6	18.0	14.5	12.1	15.7	10.2
ACRE-FEET	1,560	1,160	16,440	1,100	1,190	1,010	989	966	860	747	968	607

YEAR OR PERIOD MEAN 38
ACRE-FEET 27,520

STA. NO. F300-R
LOS ANGELES RIVER AT TUJUNGA AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1950-51	181	2.6	12.3	8910	1	29	598
1951-52	5360	3.1	101	73040	1	15	13200
1952-53	851	6.5	27.1	19610	12	1	2900
1953-54	1360	4.6	27.2	19690	2	13	5190
1954-55	842	5.7	30.4	22000	1	10	4560
1955-56	3890	5.7	35.1	25490	1	16	6800
1956-57	1300	4.5	27.2	19700	1	13	6060
1957-58	3530	3.8	100	72710	4	3	10800
1958-59	2080	4.8	29.2	21180	1	6	12800
1959-60	1040	4.0	28	20650	1	12	6900
1960-61	1010	3.2	18.3	13260	11	5	6600
1961-62	6170	2.6	97.7	70690	2	12	21000
1962-63	2200	4.0	34.1	24690	2	9	8700
1963-64	1440	3.6	35.4	25730	1	22	7910
1964-65	2020	5.0	50.4	36490	4	9	7840
1965-66	8990	8.2	126	91340	12	29	20500
1966-67	5860	5.2	83.3	60320	11	7	21000
1967-68	5720	5.5	66.8	48500	3	8	18300
1968-69	19100	4.8	355	256800	1	25	30800
1969-70	2450	6.4	55.4	40080	3	4	11600
1970-71	9170	7.0	95.4	69090	11	29	25900
1971-72	2800	7.8	38.0	27520	12	27	11000

STATION NO. F 304 - R
WALNUT CREEK
at Puente Avenue

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from footbridge

DRAINAGE AREA – 57.6 square miles

LOCATION – 845.0 feet upstream of Puente Avenue bridge, Baldwin Park

REGULATION – partially regulated by San Dimas, Puddingstone Diversion, Puddingstone, and Live Oak Dams

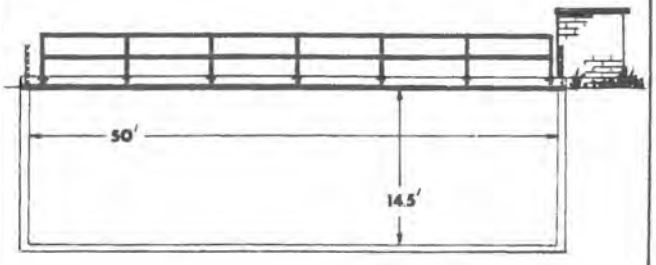
CHANNEL – concrete, rectangular in section

CONTROL – channel forms control

LENGTH OF RECORD – October 14, 1952 to April 11, 1961
January 3, 1962, to date

REMARKS – no record during April 11, 1961, to January 3, 1962, due to channel construction

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

F304-R

DAILY DISCHARGE IN SECOND-FEET OF WALNUT CREEK at Puente Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0.2	0.2	1.2	0.2	0.4	270	0.9	0.6	1.2	0.4	0.4	0.2
2	0.2	0.2	1.2	0.2	0.2	80	0.6	0.4	0.9	0.6	0.6	0.4
3	0.1	0.2	0.9	0.2	0.2	2.7	0.9	+	0.6	0.9	0.9	0.4
4	0.2	0.1	0.6	0.4	0.2	178	0.9	+	0.6	0.6	1.2	0.4
5	0.1	0.2	0.6	0.4	0.2	41	1.2	+	0.4	0.4	1.2	0.4
6	+	194	0.6	0.6	0.2	2.1	1.2	0.2	0.4	0.6	0.9	0.4
7	+	42	0.6	0.6	0.2	2.1	0.9	0.2	0.6	0.6	0.9	0.2
8	+	b 1.6	2.1	0.4	0.1	1.2	0.9	0.6	0.4	0.6	0.6	0.1
9	+	b 1.6	0.4	7.5	6.8	0.6	2.7	0.9	0.2	0.4	0.6	0.1
10	+	1.6	0.2	17	278	0.6	0.4	0.9	0.2	0.2	0.4	0.1
11	+	1.2	0.2	4.0	15	0.6	0.2	0.9	0.2	0.2	0.2	0.1
12	+	1.6	0.2	0.6	0.9	0.6	0.4	0.6	0.2	0.2	0.2	0.2
13	+	0.9	0.2	+	0.6	0.6	0.4	0.9	0.2	0.2	0.2	0.1
14	+	0.9	0.2	11	0.6	0.6	0.6	0.9	0.2	0.2	0.4	0.2
15	+	0.9	0.1	0.6	0.4	0.6	0.9	0.4	0.2	0.4	0.2	0.2
16	0.1	0.9	0.2	70	0.4	0.2	0.4	0.4	0.6	0.4	0.2	0.1
17	0.1	0.9	0.2	1.2	0.4	0.2	0.2	0.6	0.6	0.2	0.2	0.2
18	0.1	0.9	0.4	0.4	0.6	0.1	+	1.2	0.2	0.1	0.2	0.2
19	+	0.9	0.4	0.2	0.2	0.2	+	1.2	0.4	0.2	0.2	0.1
20	+	0.6	0.4	0.1	0.1	0.6	0.1	0.4	0.6	0.2	0.2	0.2
21	0.1	0.6	0.4	0.1	+	1.2	0.2	0.4	0.6	0.2	0.1	+
22	0.1	0.6	1.6	0.2	+	1.6	0.6	0.4	0.4	0.2	0.1	+
23	+	0.6	0.4	0.1	0.1	1.6	0.6	0.6	0.4	0.1	0.1	+
24	+	0.6	0.6	0.1	0.2	2.1	0.6	1.6	0.6	0.1	0.2	0.2
25	0.2	0.6	0.4	0.1	0.6	1.6	1.2	10.1	0.6	0.1	0.4	0.1
26	0.1	0.9	0.4	0.1	0.6	1.2	1.2	3.3	0.4	+	0.2	0.2
27	0.1	1.2	0.4	0.1	0.4	0.9	0.6	2.7	0.4	0.1	0.4	0.2
28	+	1.2	0.4	0.1	236	0.9	0.6	2.1	0.2	0.1	0.2	a 0.1
29	0.1	1.2	0.2	0.1		0.6	0.6	0.9	0.4	0.1	0.1	a 0.1
30	0.1	1.2	0.1	0.1		6.6	0.9	2.7	0.4	0.2	0.1	a 0.1
31	0.1		0.4	0.2		0.4		4.0		0.4	0.2	
MEAN	0.06	8.67	0.52	3.77	19.4	19.4	0.70	1.29	0.44	0.30	0.39	0.18
ACRE-FEET	4.0	516	32	232	1,080	1,190	41	80	26	18	24	11

YEAR OR PERIOD MEAN 4,50
ACRE-FEET 3,250

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F304-R

DAILY DISCHARGE IN SECOND-FEET OF WALNUT CREEK at Puente Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	+	0.1	1.2	59	0.4	0.1	0.1	0.1	0.9	0.4	a 0.5	0.2
2	+	+	31	71	0.2	0.2	0.4	0.1	0.9	0.4	a 0.5	0.4
3	4.7	+	0.9	59	0.4	0.4	0.4	0.4	0.6	0.4	a 0.5	0.4
4	0.1	+	0.1	56	0.4	0.2	0.4	0.4	0.9	0.2	0.9	0.4
5	0.2	+	0.1	59	0.2	0.2	0.4	0.2	0.9	0.2	0.9	0.4
6	0.1	0.6	+	53	0.4	0.4	0.4	1.2	0.6	0.4	0.6	0.4
7	0.1	+	0	47	0.6	0.4	0.4	0.9	1.6	0.4	0.6	0.2
8	+	+	0	47	0.4	0.4	0.4	0.9	0.9	0.4	0.4	0.4
9	+	+	28	50	0.6	0.4	0.6	0.6	0.9	0.1	0.9	0.2
10	+	+	0.2	47	0.4	0.4	0.6	0.6	1.2	0.2	0.9	0.2
11	+	+	0.1	36	0.4	0.2	0.9	0.4	0.4	0.2	0.9	0.4
12	+	+	0.1	17.2	0.4	0.2	0.9	0.4	0.6	0.4	0.9	0.4
13	+	+	+	4.8	0.4	73	0.6	0.4	0.6	0.2	0.9	0.4
14	+	+	1.6	3.9	0.4	0.9	7.2	0.2	0.9	0.4	0.6	0.4
15	+	+	0.1	35	0.2	0.6	0.6	0.4	0.9	0.6	0.9	0.4
16	+	+	10.5	53	37	0.6	0.4	0.2	1.2	0.9	0.9	0.4
17	0.1	+	3.3	56	83	0.6	3.3	0.4	1.2	0.6	0.6	0.4
18	0.1	0	46	53	0.6	0.4	0.2	0.4	1.6	0.9	0.6	0.4
19	+	+	219	70	0.9	0.2	+	0.4	0.9	0.9	0.6	0.4
20	+	+	45	80	0.2	0.2	0.1	0.2	0.4	0.9	0.6	0.4
21	+	+	368	103	0.4	0.1	0.2	0.2	0.4	0.9	0.4	0.2
22	+	+	5.6	123	0.2	0.1	+	0.2	0.4	0.9	0.4	0.4
23	0.1	+	1.6	115	0.2	0.2	0.1	0.4	0.4	0.6	0.4	0.2
24	0.2	+	1.2	111	0.4	0.2	0.1	0.4	0.4	0.6	0.4	0.2
25	0.2	+	1.2	108	0.4	0.2	+	0.6	0.4	0.6	0.2	0.4
26	0.1	28	0.9	104	0.4	0.2	+	0.4	0.4	0.4	0.2	0.4
27	0.1	2.1	0.6	49	0.4	0.2	+	4.6	0.4	0.4	0.2	0.2
28	0.1	166	0.6	0.6	0.4	0.6	0.1	14.2	0.4	a 0.4	0.4	0.2
29	0.1	384	0.6	0.6		0.1	0.1	0.6	0.4	a 0.4	0.2	0.2
30	0.1	12.4	15.7	0.9		0.1	0.1	0.4	0.4	a 0.4	0.2	0.9
31	0.2		50	0.6		0		0.6		a 0.4	0.2	
MEAN	0.21	19.8	26.9	54.0	4.65	2.65	0.63	1.01	0.74	0.49	0.56	0.35
ACRE-FEET	13	1,180	1,650	3,320	258	163	38	62	44	30	35	21

YEAR OR PERIOD MEAN 9.41
ACRE-FEET 6,810

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F304-R

DAILY DISCHARGE IN SECOND-FEET OF WALNUT CREEK at Puente Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0.6	0.4	0.4	0.4	0.6	0.2	0.2	2.1	0.2	0.2	0.4	0.1
2	0.4	0.2	0.6	0.4	1.2	0.2	0.2	0.9	0.2	0.2	0.4	0.1
3	0.4	0.2	0.6	0.4	0.9	0.4	0.4	0.6	0.2	0.2	0.2	2.7
4	0.4	0.2	0.2	0.4	0.4	0.6	0.2	0.4	0.4	0.2	0.2	0.2
5	0.4	0.2	0.1	0.2	1.2	0.4	0.4	0.4	0.4	0.4	0.2	0.2
6	0.6	0.2	0.1	0.2	0.9	0.6	0.4	0.4	0.4	0.2	0.2	+
7	0.4	0.2	+	0.2	0.9	0.6	0.4	0.9	1.2	0.4	0.1	+
8	0.6	0.2	+	0.1	0.6	0.6	0.6	0.2	0.4	0.4	0.1	+
9	0.6	0.2	0.1	0.2	0.6	0.4	0.4	0.4	0.2	0.2	0.1	+
10	0.4	0.2	0.1	0.1	0.6	0.4	0.6	0.2	0.4	0.2	+	0.1
11	0.4	0.4	0.1	0.2	0.4	0.6	0.6	0.2	0.1	0.2	+	+
12	0.4	28	0.6	0.2	0.4	0.4	0.6	0.2	0.1	0.2	46	+
13	0.6	0.4	0.6	0.4	0.4	0.4	0.6	0.4	0.2	0.2	0.1	+
14	0.4	0.2	0.2	0.4	0.6	0.4	0.4	0.2	0.1	0.2	0.1	+
15	0.6	0.1	0.2	0.4	0.6	0.9	0.6	0.2	0.1	0.2	0.1	+
16	1.2	0.1	0.2	0.2	0.6	0.4	0.9	0.2	0.2	0.1	0.1	+
17	1.2	0.1	0.4	0.4	0.6	0.6	0.4	0.4	0.1	0.1	0.1	+
18	0.9	0.1	0.2	0.6	0.6	0.6	2.1	0.2	0.2	0.1	0.1	+
19	0.2	0.1	0.4	0.4	0.6	0.6	7.5	0.9	0.1	0.1	0.1	+
20	0.2	0.1	0.2	0.6	0.4	0.6	2.1	0.6	0.2	0.1	0.1	+
21	0.2	0.1	0.2	0.4	0.6	0.9	2.1	0.1	0.1	0.1	0.1	+
22	0.2	0.1	123	0.4	0.6	0.6	2.1	0.1	0.2	0.1	0.1	+
23	0.1	0.1	1.2	0.4	0.4	0.6	2.1	0.2	0.1	0.1	0.2	+
24	184	0.2	546	0.2	0.4	0.4	2.7	0.1	0.1	0.1	0.4	+
25	1.6	0.4	110	0.2	0.4	0.6	2.1	0.1	0.2	0.1	0.1	+
26	0.6	0.4	5.6	0.2	0.4	0.6	2.1	0.2	0.2	0.1	0.1	+
27	0.2	0.4	259	0.2	0.4	0.4	1.6	0.2	0.2	0.1	0.1	+
28	0.2	0.6	60	0.2	0.4	0.6	1.6	0.1	0.4	0.1	0.1	0
29	0.4	0.4	4.0	0.4	0.4	0.4	2.1	0.1	0.4	0.2	0.1	0
30	0.1	0.4	1.2	0.2		0.4	2.1	0.1	0.4	0.2	0.1	0
31	0.1		0.9	0.4		0.4		0.1		0.2	0.1	
MEAN	6.41	1.16	36.0	0.31	0.60	0.51	1.34	0.37	0.26	0.18	1.62	0.14
ACRE-FEET	394	69	2,210	19	34	31	80	23	15	11	100	84

YEAR OR PERIOD MEAN 4.13
ACRE-FEET 3,070

STATION DATA SUMMARY

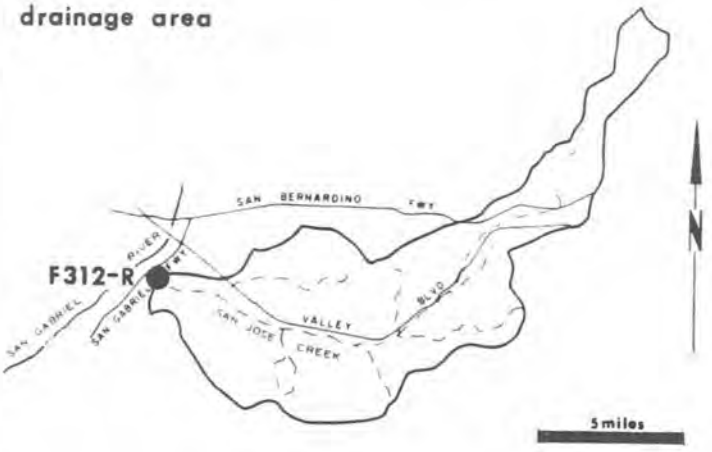
STA. NO. F304-R
WALNUT CREEK AT PUENTE AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1952-53	47	0	0.4	292	12	1	713
1953-54	297	0	34.9	25290	2	13	1500
1954-55	337	0	29.9	21640	1	18	732
1955-56	1120	0	68.5	49730	1	26	3450
1956-57	361	0	71.2	51530	2	28	2200
1957-58	494	0	11.7	8490	4	7	2510
1958-59	279	0	2.2	1610	1	6	2480
1959-60	163	0	1.8	1300	1	12	1160
1960-61	272	0	12.4	9010	1	26	411
1961-62	431*	*	*	4800*	2	11	2090
1962-63	267	*	4.6	3360	3	16	1410
1963-64	232	+	3.9	2860	1	22	1280
1964-65	435	0.2	16.1	11640	4	9	3250
1965-66	646	0.2	11.0	7920	12	29	2060
1966-67	685	0.1	20.8	15060	1	24	3360
1967-68	647	+	23.3	16880	3	8	3390
1968-69	1830	+	68.4	49490	2	25	4960
1969-70	278	+	4.5	3250	3	1	2210
1970-71	384	0	9.4	6810	12	21	1630
1971-72	546	0	4.1	3070	12	24	2650

* = RECORD INCOMPLETE
\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 312 - R
SAN JOSE CHANNEL
above Workman Mill Road

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 83.4 square miles

LOCATION – 1,650 feet above Workman Mill Road, 3.0 miles southeast of El Monte

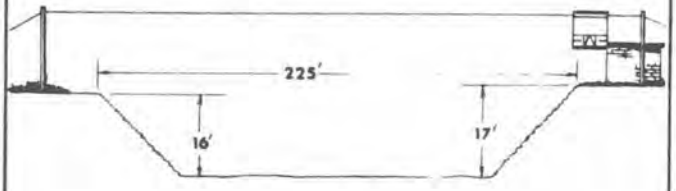
REGULATION – partially regulated by Thompson Creek Dam and Pomona Sewage Treatment Plant

CHANNEL – grouted rip-rap side slopes with natural bottom, trapezoidal section

CONTROL – rock stabilizer

LENGTH OF RECORD – September 13, 1955, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F312-R

DAILY DISCHARGE IN SECOND-FEET OF SAN JOSE CHANNEL above Workman Mill Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	17	17	22	15	21	898	b 22	b 22	23	17	11	11
2	18	17	21	15	22	298	b 22	b 22	22	17	13	9.0
3	18	17	19	17	22	20	b 22	b 22	25	15	15	10
4	17	17	17	15	22	472	b 22	b 22	26	15	17	13
5	17	15	17	17	22	194	b 22	b 22	22	13	18	13
6	18	372	18	18	22	b 22	b 22	b 22	18	13	15	11
7	19	182	19	19	19	b 22	b 22	b 22	18	14	16	13
8	21	19	32	18	18	b 22	b 22	b 22	18	14	15	14
9	21	18	28	31	52	b 22	b 22	b 22	17	14	15	14
10	21	19	18	71	490	b 22	b 22	b 22	18	14	15	13
11	19	19	18	39	94	b 22	b 22	b 22	18	17	17	14
12	19	19	18	43	23	b 22	b 22	b 22	19	14	15	14
13	19	19	17	19	22	b 22	b 22	b 22	18	15	14	13
14	21	21	15	54	23	b 22	b 22	b 22	17	17	15	11
15	19	21	14	36	22	b 22	b 22	b 22	18	18	15	10
16	21	18	10	182	22	b 22	b 22	b 22	18	14	13	a 12
17	18	17	10	23	22	b 22	b 22	b 22	17	17	13	a 14
18	18	17	14	19	22	b 22	b 22	b 22	17	13	11	15
19	18	15	14	21	23	b 22	b 22	b 22	15	11	14	15
20	18	17	14	22	23	b 22	b 22	b 22	13	13	13	14
21	18	17	14	22	23	b 22	b 22	b 22	13	14	13	19
22	18	19	22	23	22	b 22	b 22	b 22	15	11	14	14
23	18	15	15	23	23	b 22	b 22	b 22	17	11	13	14
24	18	14	15	23	23	b 22	b 22	b 22	18	11	14	14
25	18	17	14	23	23	b 22	b 22	b 22	17	11	14	15
26	17	15	15	23	23	b 22	b 22	b 22	14	10	13	13
27	17	18	14	23	25	b 22	b 22	b 22	14	13	13	13
28	18	18	15	23	467	b 22	b 22	25	15	17	11	15
29	19	21	14	33		b 22	b 22	25	15	15	10	15
30	18	19	17	23		40	b 22	21	15	13	10	15
31	19		17	22		30		21		11	9.0	
MEAN	18.5	35.0	17.0	30.5	58.4	80.0	22.0	22.1	17.7	13.9	13.7	13.3
ACRE-FEET	1,140	2,080	1,050	1,870	3,240	4,920	1,310	1,360	1,050	857	845	793

YEAR OR PERIOD MEAN 28.7
ACRE-FEET 20,520

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F312-R

DAILY DISCHARGE IN SECOND-FEET OF SAN JOSE CHANNEL, above Workman Mill Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	18	7.0	9.0	b 10	b 13	b 11	b 9.3	b 8.0	b 12	b 8.0	b 11	b 9.0
2	17	8.0	93	26	b 13	b 11	b 9.3	b 8.0	b 13	b 8.0	b 10	b 9.0
3	25	7.0	b 21	b 9.6	b 13	b 11	b 9.3	b 8.0	b 13	b 9.0	b 10	b 9.0
4	19	8.0	b 11	b 9.6	b 13	b 12	b 9.2	b 8.0	b 12	b 10	b 10	b 10
5	18	7.0	b 11	b 9.6	b 13	b 13	b 9.2	b 8.1	b 12	b 11	b 10	b 10
6	18	17	b 10	b 9.6	b 12	b 13	b 9.2	b 14	b 11	b 12	b 10	b 10
7	17	14	b 9.5	b 10	b 12	b 13	b 9.2	b 10	b 10	b 12	b 10	b 11
8	17	8.0	b 9.7	b 10	b 12	b 13	b 9.2	b 12	b 10	b 11	b 11	b 11
9	15	7.0	109	b 10	b 12	b 13	b 9.0	b 11	b 9.1	b 11	b 11	b 10
10	15	7.0	11	b 10	b 12	b 13	b 8.8	b 11	b 9.0	b 10	b 11	b 9.0
11	15	7.0	10	b 10	b 12	b 12	b 8.6	b 11	b 10	b 10	b 11	b 9.0
12	17	6.0	9.0	58	b 12	b 12	b 8.4	b 11	b 10	b 9.0	b 11	b 8.0
13	17	6.0	9.0	12	b 12	b 185	b 8.2	b 11	b 11	b 9.0	b 12	b 8.0
14	17	5.0	53	b 11	b 11	b 15	b 44	b 11	b 11	b 9.0	b 12	b 7.0
15	14	5.0	10	b 11	b 10	b 14	b 8.0	b 11	b 12	b 9.0	b 13	b 7.0
16	11	7.0	75	b 11	102	b 13	b 8.0	b 10	b 12	b 10	b 13	b 8.0
17	9.0	14	31	b 11	184	b 13	b 28	b 10	b 11	b 10	b 14	b 9.0
18	8.0	14	155	b 11	b 13	b 13	b 8.9	b 10	b 10	b 10	b 14	b 11
19	7.0	14	513	b 11	b 17	b 12	b 8.9	b 10	b 9.0	b 11	b 14	b 12
20	6.0	15	55	b 11	b 15	b 12	b 8.9	b 10	b 8.0	b 11	b 13	b 13
21	6.0	14	263	b 11	b 13	b 11	b 8.9	b 10	b 7.0	b 11	b 13	b 14
22	6.0	14	35	b 11	b 11	b 10	b 8.8	b 10	b 6.0	b 12	b 13	b 14
23	6.0	14	17	b 11	b 11	b 10	b 8.6	b 10	b 5.2	b 12	b 12	b 13
24	5.0	13	b 15	b 12	b 10	b 9.7	b 8.4	b 10	b 5.0	b 12	b 12	b 13
25	5.0	25	b 13	b 12	b 10	b 10	b 8.3	b 10	b 5.0	b 11	b 12	b 12
26	5.0	135	b 12	b 12	b 10	b 10	b 8.2	b 10	b 5.0	b 11	b 12	b 12
27	5.0	9.0	b 11	b 12	b 10	b 10	b 8.1	38	b 6.0	b 12	b 11	b 11
28	5.0	347	b 11	b 13	b 10	b 10	b 8.0	57	b 6.0	b 12	b 11	b 11
29	6.0	1,183	b 11	b 14		b 10	b 8.0	b 12	b 7.0	b 12	b 10	b 10
30	7.0	55	b 11	b 14		b 10	b 9.0	b 12	b 7.0	b 11	b 10	b 9.4
31	7.0		b 11	b 13		b 10		b 12		b 11	b 10	
MEAN	11.7	66.4	74.6	13.0	21.2	17.2	10.0	12.7	9.1	10.5	11.6	10.3
ACRE-FEET	720	3,950	4,590	798	1,180	1,060	595	782	544	649	708	614

YEAR OR PERIOD MEAN 22.4
ACRE-FEET 16,190

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO _____

DAILY DISCHARGE IN SECOND-FEET OF _____ FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 ____

	October	November	December	January	February	March	April	May	June	July	August	September
1	b 9.0	b 11	b 14	b 12	b 8.0	b 13	b 15	b 11	b 9.4	b 7.9	b 5.6	b 10
2	b 9.0	b 11	b 13	b 12	b 8.4	b 13	b 15	b 12	b 9.7	b 6.9	b 6.0	b 10
3	b 9.0	b 11	b 12	b 12	b 8.5	b 14	b 15	b 14	b 10	b 5.8	b 6.2	b 30
4	b 9.0	b 11	b 11	b 13	b 8.6	b 15	b 15	b 13	b 10	b 4.8	b 6.3	b 9.0
5	b 9.0	b 11	b 10	b 13	b 8.7	b 15	b 15	b 12	b 11	b 4.8	b 6.5	b 9.0
6	b 10	b 11	b 9.0	b 13	b 8.8	b 15	b 15	b 11	b 11	b 4.7	b 6.7	b 8.8
7	b 10	b 11	b 8.0	b 12	b 8.9	b 15	b 15	b 10	b 12	b 4.6	b 6.8	b 8.0
8	b 10	b 11	b 7.1	b 11	b 9.0	b 15	b 15	b 9.4	b 12	b 4.5	b 7.0	b 8.0
9	b 10	b 11	b 10	b 10	b 9.2	b 16	b 15	b 8.4	b 12	b 4.4	b 7.1	b 7.0
10	b 10	b 11	b 12	b 9.6	b 9.6	b 17	b 14	b 7.5	b 13	b 4.3	b 8.0	b 6.0
11	b 11	b 15	b 12	b 8.0	b 10	b 18	b 14	b 7.0	b 13	b 4.2	b 10	b 5.0
12	b 11	93	20	b 8.7	b 11	b 19	b 14	b 6.5	b 13	b 4.2	b 272	b 5.0
13	b 12	b 11	b 15	b 8.7	b 11	b 19	b 14	b 6.0	b 14	b 5.3	b 20	b 4.8
14	b 12	b 10	b 12	b 8.7	b 12	b 19	b 14	b 5.5	b 14	b 6.4	b 10	b 5.0
15	b 11	b 9.5	b 6.0	b 8.7	b 13	b 19	b 14	b 5.0	b 13	b 7.5	b 9.0	b 6.0
16	b 10	b 9.3	b 7.0	b 8.7	b 13	b 19	b 14	b 4.4	b 12	b 8.6	b 7.1	b 7.0
17	b 10	b 9.1	b 8.0	b 8.7	b 13	b 18	b 14	b 3.9	b 11	b 9.7	b 7.1	b 8.0
18	b 9.0	b 10	b 9.0	b 8.7	b 13	b 17	b 18	b 4.3	b 10	b 11	b 7.1	b 9.0
19	b 8.0	b 10	b 10	b 8.7	b 13	b 16	b 36	b 4.6	b 9.5	b 12	b 7.1	b 9.0
20	b 7.0	b 11	b 11	b 8.7	b 13	b 15	b 12	b 5.0	b 8.6	b 11	b 7.1	b 8.8
21	b 8.0	b 11	b 11	b 9.0	b 13	b 14	b 12	b 5.4	b 7.6	b 9.4	b 7.0	b 9.0
22	b 9.0	b 12	279	b 10	b 13	b 14	b 12	b 5.7	b 8.1	b 8.1	b 7.0	b 9.0
23	b 10	b 13	b 11	b 10	b 13	b 14	b 12	b 6.1	b 8.6	b 6.8	b 7.0	b 9.0
24	153	b 14	988	b 11	b 13	b 14	b 12	b 6.5	b 9.1	b 5.5	b 7.0	b 9.0
25	b 10	b 14	209	b 12	b 13	b 14	b 12	b 6.8	b 9.6	b 4.2	b 7.0	b 9.0
26	b 10	b 14	58	b 12	b 13	b 15	b 12	b 7.2	b 10	b 3.0	b 8.0	b 9.0
27	b 10	b 14	612	b 12	b 13	b 15	b 11	b 7.6	b 10	b 3.4	b 25	b 9.0
28	b 10	b 14	112	b 11	b 13	b 15	b 10	b 7.9	b 11	b 3.9	b 9.0	b 9.0
29	b 10	b 14	b 12	b 10	b 13	b 15	b 10	b 8.3	b 10	b 4.3	b 9.0	b 9.0
30	b 10	b 14	b 12	b 10		b 15	b 10	b 8.6	b 8.9	b 4.7	b 11	b 9.0
31	b 10		b 12	b 9.0		b 15		b 9.0		b 5.2	b 11	
MEAN	14.4	14.4	82.0	10.3	11.3	15.7	14.2	7.73	10.7	6.2	17.1	8.8
ACRE-FEET	885	857	5,040	633	648	966	8,451	475	637	379	1,050	522

YEAR OR PERIOD MEAN 17.8
ACRE-FEET 12,940

STA. NO. F312-R
SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK MON	PEAK DAY	FLOW CFS
1955-56	1830	0	5.6	4070	1	26	5180
1956-57	190	0	1.1	795	3	1	1410
1957-58	1210	0	19.4	14060	4	7	3990
1958-59	487	0	4.4	3210	1	6	2720
1959-60	253	0	4.7	3430	4	27	1380
1960-61	103	0	0.6	403	1	26	429
1961-62	1220	0	13.2	9540	2	11	3800
1962-63	581	0	7.6	5530	3	16	1940
1963-64	483	+	6.8	4900	1	22	1250
1964-65	1080	0	14.0	10110	4	9	4540
1965-66	1640	+	21.1	15290	12	29	5220
1966-67	2290	2.8	36.3	26260	1	24	10200
1967-68	2180	0.4	24.6	17870	3	8	10100
1968-69	4370	9.3	73.2	52980	2	25	9710
1969-70	898	8.0	28.7	20490	3	4	3930
1970-71	1180	5.0	22.4	16190	12	21	4400
1971-72	988	3.9	17.4	12650	12	24	3720

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. F 319-R
LOS ANGELES RIVER
below Wardlow Road

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 815.0 square miles (excludes area above Santa Fe Dam)

LOCATION – 900.0 feet below Wardlow Road, Long Beach

REGULATION – flow is subject to the same regularion as Stations F34D-R and F45B-R.
Diversion - flows diverted to Dominguez Gap Spreading Grounds

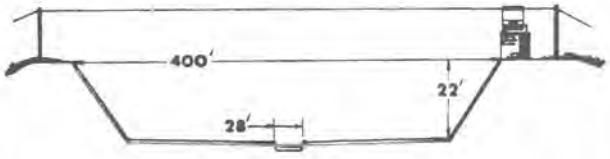
CHANNEL – trapezoidal, concrete, 302.0 feet wide at bottom with 2.25:1 side slopes. Low flow channel 28.0 feet wide by 1.0 foot deep in center of channel

CONTROL – channel forms control

LENGTH OF RECORD –
at Station F180-R, October 31, 1931, to January 13, 1956
at Station F319-R, January 13, 1956, to date

REMARKS – prior to 1931, see Station F36-R

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F319-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Wardlow Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	42	35	36	37	32	4,490	44	30	28	49	39	a 31
2	39	32	40	38	36	2,740	34	30	35	34	37	a 31
3	49	35	36	39	40	168	32	23	40	34	36	30
4	38	36	31	35	41	2,680	38	30	39	34	45	35
5	30	39	36	37	63	d 2,410	32	38	36	34	48	30
6	31	2,210	33	33	43	d 101	34	38	33	35	42	25
7	38	1,980	28	28	57	d 54	37	45	29	39	45	25
8	40	136	36	28	42	d 47	34	43	30	39	45	30
9	40	75	68	74	1,120	d 47	36	39	37	39	53	30
10	40	86	40	1,390	4,010	d 47	38	30	32	38	36	29
11	34	82	38	170	1,000	d 47	35	25	31	37	47	31
12	39	48	47	385	101	45	30	30	32	34	44	33
13	33	54	31	63	69	42	30	27	42	32	39	28
14	38	37	29	170	35	39	50	33	69	38	33	26
15	41	34	30	256	29	37	57	33	42	40	30	31
16	41	32	37	2,310	30	35	37	35	32	36	30	31
17	37	34	36	413	35	35	38	33	31	32	26	30
18	33	34	35	69	33	34	40	35	41	30	31	30
19	30	33	36	37	34	30	45	43	42	25	35	27
20	32	34	32	36	35	33	35	40	36	32	32	23
21	38	37	30	35	33	33	37	40	30	34	30	24
22	41	39	34	37	29	33	37	38	36	34	32	28
23	33	36	36	36	30	42	35	35	40	37	34	25
24	30	38	30	33	40	42	48	31	39	48	30	27
25	30	38	41	45	35	36	45	34	37	40	31	28
26	25	35	39	37	36	37	40	36	37	24	32	24
27	34	36	39	40	32	35	37	35	45	30	33	30
28	35	36	33	38	5,300	31	41	34	30	32	a 32	22
29	36	31	32	35		29	33	36	32	45	a 32	27
30	40	28	42	33		30	30	30	39	41	a 32	30
31	36		34	34		352		29		39	a 31	
MEAN	36.2	181	36.3	195	444	447	38.0	34.1	36.7	36.0	36.2	28.4
ACRE-FEET	2,070	10,800	2,230	12,000	24,630	27,490	2,260	2,100	2,170	2,210	2,220	1,690

YEAR OR PERIOD MEAN 128
ACRE-FEET 92,070

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F319-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Wardlow Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	32	32	424	52	42	164	d	d	d	d	d	23
2	33	33	1,490	502	43	160	d	d	d	d 50	d	28
3	34	41	1,030	92	34	168	d	d	d 43	d	d	36
4	52	40	86	44	36	164	d	d	d	d	d	34
5	43	42	56	39	37	134	d	d	d	d	d	28
6	37	222	50	41	39	144	d	d	d	d	d	29
7	28	156	44	41	36	152	d	d	d	d	d	157
8	26	38	38	57	38	160	d 34	d	d	d	d	33
9	29	34	902	41	68	172	d	d	d	d	d	19.7
10	26	39	130	32	437	164	d	d	d 32	d	d	24
11	25	40	64	38	320	160	d	d	d	d	d	26
12	27	39	37	881	210	160	d	d	d	d	d	21
13	29	35	37	620	230	1,260	d	d 40	d	d 24	d	21
14	30	30	329	276	77	239	d	d	d	d	d	27
15	30	24	72	77	56	d 196	d	d	d	d	d	28
16	31	26	464	68	530	d 185	d	d	d	d	d	30
17	53	29	1,110	63	1,650	d 96	d	d	d 54	d	d	30
18	38	33	2,610	44	117	54	d	d	d	d	d	25
19	32	32	5,560	43	76	66	d	d	d	d	d	20
20	44	31	411	45	66	54	d	d	d	d 53	d	29
21	43	a 30	6,510	42	52	49	d	d	d	d	d	32
22	47	a 33	474	42	63	74	d 51	d	d	d	d	30
23	44	a 31	165	41	63	57	d	d	d	d	d	33
24	41	30	105	38	60	54	d	d	d 62	d	d	33
25	36	30	72	38	49	53	d	d	d	d	d	30
26	32	727	66	53	40	53	d	d	d	d	d	27
27	35	95	66	56	45	d 137	d	d 52	d	d	d	24
28	33	2,100	72	63	156	61	d	d	d	d	30	24
29	34	d 20,600	68	62		97	d 46	d	d	d	24	27
30	33	1,570	72	52		51	d	d	d	d	20	33
31	34		63	43		d 42		d		d	25	

MEAN	35.2	875	732	117	167	154	d 84.4	d 63.6	d 55.0	d 51.8	d 36.4	32.1
ACRE-FEET	2,160	52,050	44,980	7,190	9,260	9,480	d 5,020	d 3,910	d 3,270	d 3,800	d 2,240	1,910

YEAR OR PERIOD MEAN d 201
ACRE-FEET d 145,300

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F319-R

DAILY DISCHARGE IN SECOND-FEET OF LOS ANGELES RIVER below Wardlow Road FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	[redacted]	JUNE	JULY	AUGUST	SEPTEMBER
1	30	21	25	58	34	39	a 33	18.2	36	37	30	37
2	25	24	24	45	32	36	a 33	25	39	30	33	33
3	25	31	254	53	34	29	a 33	25	33	27	29	32
4	25	35	129	54	32	24	31	24	27	26	27	30
5	24	31	39	42	210	21	37	26	29	24	29	21
6	33	28	31	44	114	24	35	28	45	28	25	52
7	29	24	29	56	44	27	35	25	d 105	32	26	39
8	30	24	24	45	38	28	33	29	d 112	28	30	35
9	36	30	24	40	33	33	32	35	52	28	24	32
10	30	33	30	38	36	26	35	33	39	31	21	27
11	34	37	28	45	41	32	38	35	38	34	24	24
12	38	597	25	49	74	30	38	42	38	38	436	33
13	43	92	287	48	31	25	35	54	34	39	225	37
14	37	32	55	52	42	23	32	35	41	44	47	35
15	38	29	29	43	36	20	32	36	42	40	36	32
16	45	30	26	38	30	21	27	37	43	32	30	30
17	214	26	34	47	30	31	36	33	41	34	29	26
18	41	26	55	50	31	30	53	35	36	42	30	24
19	35	26	29	41	32	38	64	34	35	35	27	32
20	30	24	27	41	30	39	52	41	42	47	19.7	33
21	33	21	32	40	33	45	29	41	45	42	20	35
22	36	25	2,740	38	40	58	21	38	43	40	24	32
23	38	30	281	35	37	79	16.8	32	32	27	23	35
24	454	28	8,550	34	45	56	16.8	32	25	31	23	30
25	457	27	2,260	37	40	40	18.2	34	24	38	30	32
26	47	22	1,040	39	40	52	30	33	34	24	31	37
27	36	24	6,390	44	36	56	22	32	43	20	30	37
28	32	24	2,060	39	33	a 33	18.2	27	40	25	30	35
29	25	25	333	40	40	a 33	19.0	27	35	27	48	35
30	24	29	134	35		a 33	18.2	32	39	26	40	32
31	20		83	30		a 33		33		27	36	

MEAN	66.0	48.5	810	41.9	45.8	35.0	31.7	32.6	42.3	32.2	48.9	33.0
ACRE-FEET	4,050	2,890	49,800	2,660	2,630	2,170	1,890	2,010	2,520	1,990	3,000	1,950

YEAR OR PERIOD MEAN 106
ACRE-FEET 77,560

STATION DATA SUMMARY

STA. NO. F319-R
LOS ANGELES RIVER BELOW WARDLOW ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1955-56	12700	7.0	133	96810	1	26	40500
1956-57	4550	5.5	67.3	48710	2	23	23000
1957-58	10400	6.4	264	191200	2	19	43800
1958-59	6340	7.2	68.2	49390	1	6	31000
1959-60	3420	5.7	67.6	49100	1	12	21700
1960-61	2860	1.3	44.2	32000	1	26	9450
1961-62	14800	0.6	245	177400	2	12	42200
1962-63	5480	1.2	75.6	54700	2	9	31400
1963-64	4150	5.3	64.8	47020	1	22	16000
1964-65	5150	4.1	106	76680	4	9	30100
1965-66	22500	3.0	342	247900	12	29	61500
1966-67	12400	9.9	237	171900	11	7	43700
1967-68	13600	16	173	125800	3	8	48900
1968-69	55000	16	1150	832000	1	25	102000
1969-70	5300	22	128	92070	2	28	5300
1970-71	20600	20	201A	145300A	11	29	65100
1971-72	8550	17	106	77320	12	24	28700

A = RECORDER FAILED - FLOW COMPUTED BY ADDING Q'S OF STATIONS NOS. F34D-R, F45B-R, + 104.6% OF F37B-R

STATION NO. F 328-R
MINT CANYON CREEK
at Fitch Avenue

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 26.9 square miles

LOCATION – 8.5 miles northeast of Saugus on west end of Fitch Avenue bridge

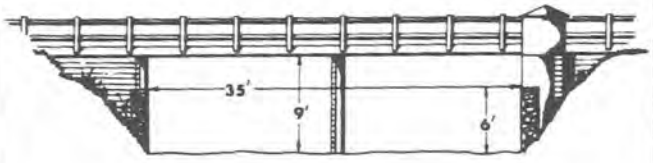
REGULATION – none

CHANNEL – natural, sand and gravel

CONTROL – concrete control at downstream end of bridge

LENGTH OF RECORD – October 26, 1956, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION F328-R

DAILY DISCHARGE IN SECOND-FEET OF MINT CANYON CREEK at Fitch Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	0	0	4.2	0	0	0	0	0	0
2	0	0	0	0	0	5.0	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	3.1	0	0	0	0	0	0
5 a	0	0	0	0	0	0.9	0	0	0	0	0	0
6 a	0	4.2	0	0	0	0	0	0	0	0	0	0
7 a	0	0	0	0	0	0	0	0	0	0	0	0
8 a	0	0	0	0	0	0	0	0	0	0	0	0
9 a	0	0	0	0	1.6	0	0	0	0	0	0	0
10 a	0	0	0	0	3.1	0	0	0	0	0	0	0
11 a	0	0	0	0	0	0	0	0	0	0	0	0
12 a	0	0	0	0	0	0	0	0	0	0	0	0
13 a	0	0	0	0	0	0	0	0	0	0	0	0
14 a	0	0	0	0	0	0	0	0	0	0	0	0
15 a	0	0	0	0	0	0	0	0	0	0	0	0
16 a	0	0	0	0	0	0	0	0	0	0	0	0
17 a	0	0	0	0	0	0	0	0	0	0	0	0
18 a	0	0	0	0	0	0	0	0	0	0	0	0
19 a	0	0	0	0	0	0	0	0	0	0	0	0
20 a	0	0	0	0	0	0	0	0	0	0	0	0
21 a	0	0	0	0	0	0	0	0	0	0	0	0
22 a	0	0	0	0	0	0	0	0	0	0	0	0
23 a	0	0	0	0	0	0	0	0	0	0	0	0
24 a	0	0	0	0	0	0	0	0	0	0	0	0
25 a	0	0	0	0	0	0	0	0	0	0	0	0
26 a	0	0	0	0	0	0	0	0	0	0	0	0
27 a	0	0	0	0	0	0	0	0	0	0	0	0
28 a	0	0	0	0	3.0	0	0	0	0	0	0	0
29 a	0	0	0	0		0	0	0	0	0	0	0
30 a	0	0	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
MEAN	0	0.14	0	0	0.28	0.43	0	0	0	0	0	0
ACRE-FEET	0	8.3	0	0	15	26	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.07
ACRE-FEET 50

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F328-R

DAILY DISCHARGE IN SECOND-FEET OF MINT CANYON CREEK at Fitch Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	+	0	0	0	0	0	0	0	0
3	0	0	0	0	0	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	0.2	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	+	0	0	0	0	0	0	0	0
13	0	0	0	+	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	25	0	0	0	0	0	0	0	0	0
19	0	0	20	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	24	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	+	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	11	0	0	0	0	0	0	0	0	0	0
29	0	85	0	0	0	0	0	0	0	0	0	0
30	0	b +	0	0		0	0	0	0	0	0	0
31	0		0	0		0		0		0	0	
TOTAL	0	3.20	2.23	+	0	0	0	0	0	0	0	0
ACRE-FEET	0	190	137	+	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.45
ACRE-FEET 328

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F328-R

DAILY DISCHARGE IN SECOND-FEET OF MINT CANYON CREEK at Fitch Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
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	b 0	0	0	0	0	0	0	0	0	0
9	0	0	b 0	0	0	0	0	0	0	0	0	0
10	0	0	b 0	0	0	0	0	0	0	0	0	0
11	0	0	b 0	0	0	0	0	0	0	0	0	0
12	0	0	b 0	0	0	0	0	0	0	0	0	0
13	0	0	b 0	0	0	0	0	0	0	0	0	0
14	0	0	b 0	0	0	0	0	0	0	0	0	0
15	0	0	b 0	0	0	0	0	0	0	0	0	0
16	0	0	b 0	0	0	0	0	0	0	0	0	0
17	0	0	b 0	0	0	0	0	0	0	0	0	0
18	0	0	b 0	0	0	0	0	0	0	0	0	0
19	0	0	b 0	0	0	0	0	0	0	0	0	0
20	0	0	b 0	0	0	0	0	0	0	0	0	0
21	0	0	b 0	0	0	0	0	0	0	0	0	0
22	0	0	b 0	0	0	0	0	0	0	0	0	0
23	0	0	e 1.0	0	0	0	0	0	0	0	0	0
24	0	0	e 3.0	0	0	0	0	0	0	0	0	0
25	0	0	5.9	0	0	0	0	0	0	0	0	0
26	0	0	1.6	0	0	0	0	0	0	0	0	0
27	0	0	0.1	0	0	0	0	0	0	0	0	0
28	0	0	1.0	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
31	0		0	0		0		0		0	0	
TOTAL	0	0	0.57	0	0	0	0	0	0	0	0	0
ACRE-FEET	0	0	35	0	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.06
ACRE-FEET 35

TA. NO. F328-R
MINT CANYON CREEK AT FITCH AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1957-58	66	0	0.6	435	12	15	708
1958-59	14	0	+	44	1	6	317
1959-60	0.3	0	+	2.0	1	10	8.1
1960-61	3.6	0	+	14	11	5	64
1961-62	49	0	0.4	257	2	11	176
1962-63	3.0	0	+	26	9	18	70
1963-64	13	0	0.1	45	4	1	111
1964-65	17	0	0.1	66	4	8	94
1965-66	71	0	0.8	588	11	17	684
1966-67	14	0	0.1	72	12	3	185
1967-68	13	0	+	34	11	19	251
1968-69	1030	0	4.4	3190	2	25	3500
1969-70	5.0	0	0.1	25	2	28	46
1970-71	85	0	0.4	328	11	29	943
1971-72	5.9	0	0.1	35	12	27	60

+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.

STATION NO. M335-R
SAN GABRIEL-MWD OUTLET BELOW RAMONA ROAD

LOCATION: Lat. 34°04'34", Long. 117°59'56" on outlet of The Metropolitan Water Department's middle feeder, near the left (east) bank of the river, about 400 feet south of Ramona Road and 350 feet west of Rivergrade Road.

CHANNEL AND CONTROL: A 73-inch diameter orifice plate.

DISCHARGE MEASUREMENTS: All flows measured by orifice meter with totalizer beginning December 21, 1960.

RECORDER: A weekly Venturi recorder.

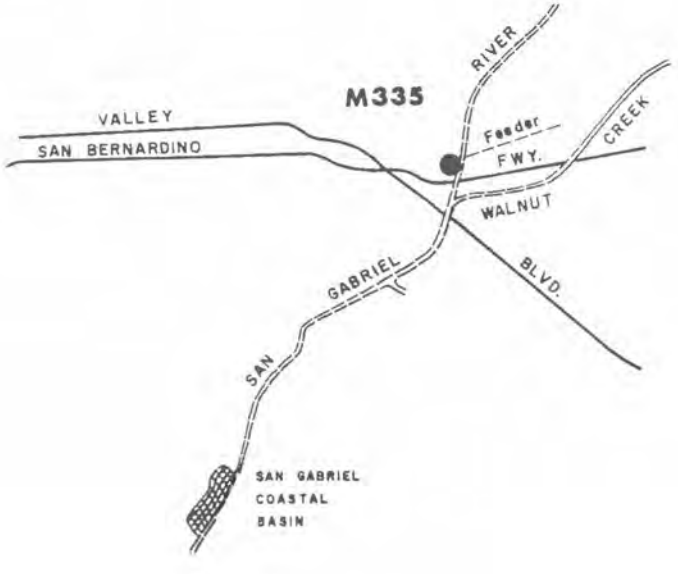
RECORDS AVAILABLE: At Station F 335-R, November 30, 1957 to April 13, 1960; at Station M335-R, December 17, 1960 to present.

OPERATION: Located, constructed and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District. This station is operated solely for the purpose of measuring the delivery of Colorado River water by The Metropolitan Water District to the San Gabriel River.

STATION DATA SUMMARY

STA. NO. M335-R
SAN GABRIEL RIVER - MWD OUTLET BELOW SAN BERNARDINO ROAD

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	210	0	57.2	41400
1958-59	213	0	41.9	30320
1959-60	246	0	59.5	43190
1960-61	347	0	93.5	67680
1961-62	337	0	186	134510
1962-63	305	0	82.7	59850
1963-64	316	0	81.2	58970
1964-65	344	0	145	104860
1965-66	349	0	101	72830
1966-67	291	0	93.4	67610
1967-68	131	0	50.9	36940
1968-69	190	0	29.5	19990
1969-70	0	0	0	0
1970-71	0	0	0	0
1971-72	0	0	0	0



STATION NO. M340-R
ALHAMBRA WASH - MWD OUTLET ABOVE RUSH STREET

LOCATION: Lat. 34°03'06", Long. 118°04"09" 59"

LOCATION: Lat. 34°03'06", Long. 118° 04'59", on The Metropolitan Water District middle feeder outlet to Alhambra Wash and on the left (east) side of the channel, 300± feet north of Rush Street, South San Gabriel.

RECORDER: Continuous totalizing recorder with Venturi control.

REGULATION AND DIVERSION: Regulation – Entirely regulated by a gated outlet on The Metropolitan Water District middle feeder.

RECORDS AVAILABLE: March 28, 1958 to present.

OPERATION: Located, constructed, and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District.

MONTHLY DISCHARGE IN ACRE FEET: Amounts are as of midnight on the last day of the month. Approximate mean daily flows are available at the District office.

STA. NO. M340-R
ALHAMBRA WASH - MWD OUTLET NEAR RUSH STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1957-58	275	0	87.7	63510
1958-59	259	0	33.3	24090
1959-60	248	0	54.5	39540
1960-61	246	0	97.0	70170
1961-62	243	0	102	73810
1962-63	189	0	28.1	20320
1963-64	235	0	63.3	45920
1964-65	232	0	91.8	66480
1965-66	240	0	85.8	62110
1966-67	225	0	63.9	46260
1967-68	232	0	91.6	66520
1968-69	217	0	17.2	12470
1969-70	198	0	35.6	25800
1970-71	180	0	24.1	17430
1971-72	0	0	0	0

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M340-R

DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH – MWD OUTLET near Rush Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	96	96	108	0	136	0	0	0	0	0
2	0	0	100	97	108	0	142	0	0	0	0	0
3	0	69	97	92	110	0	150	0	0	0	0	0
4	0	149	96	90	110	0	158	0	0	0	0	0
5	0	118	98	99	115	0	153	0	0	0	0	0
6	0	37	97	90	108	0	154	0	0	0	0	0
7	0	0	97	98	102	0	90	0	0	0	0	0
8	0	0	98	85	106	0	0	0	0	0	0	0
9	0	0	108	0	88	0	0	0	0	0	0	0
10	0	0	96	0	0	0	0	0	0	0	0	0
11	0	0	88	0	0	0	0	0	0	0	0	0
12	0	55	92	33	0	0	0	0	0	0	0	0
13	0	97	96	92	0	0	0	0	0	0	0	0
14	0	87	101	96	0	0	0	0	0	0	0	0
15	0	102	91	52	0	0	0	0	0	0	0	0
16	0	106	90	0	47	0	0	0	0	0	0	0
17	0	105	90	0	104	0	0	0	0	0	0	0
18	0	94	88	0	111	52	0	0	0	0	0	0
19	0	88	89	0	106	111	0	0	0	0	0	0
20	0	103	90	46	104	117	0	0	0	0	0	0
21	0	94	98	106	127	130	0	0	0	0	0	33
22	0	86	93	104	130	110	0	0	0	0	0	100
23	0	82	97	80	130	105	0	0	0	0	0	120
24	0	148	98	0	123	118	0	0	0	0	0	135
25	0	198	99	0	108	139	0	0	0	0	0	135
26	0	100	101	39	117	169	0	0	0	0	0	130
27	0	102	90	100	83	147	0	0	0	0	0	120
28	0	82	89	100	0	139	0	0	0	0	0	78
29	0	91	94	108		137	0	0	0	0	0	0
30	0	100	97	108		145	0	0	0	0	0	0
31	0		95	108		146		0		0	0	
MEAN	0	76.4	95.1	61.9	80.2	56.9	32.8	0	0	0	0	28.4
ACRE FEET	0	4,550	5,850	3,810	4,450	3,500	1,950	0	0	0	0	1,690

YEAR OR PERIOD MEAN 35.6
ACRE-FEET 25,800

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M340-R

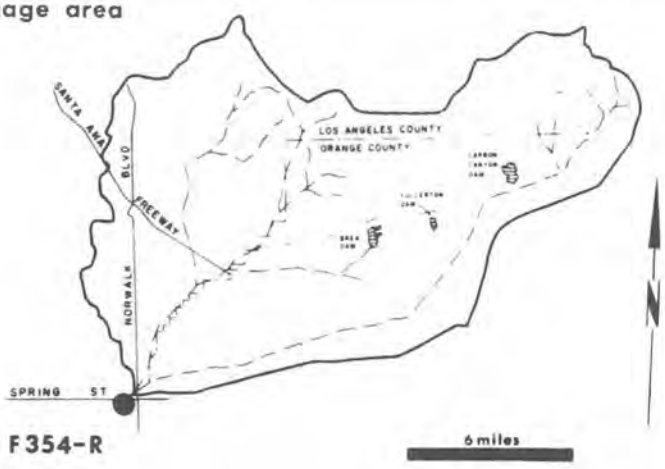
DAILY DISCHARGE IN SECOND-FEET OF ALHAMBRA WASH – MWD OUTLET near Rush Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	180	0	0	0	0	0	0	0	0	0	0
2	0	164	0	0	0	0	0	0	0	0	0	0
3	57	164	0	0	0	0	0	0	0	0	0	0
4	145	137	0	0	0	0	0	0	0	0	0	0
5	142	116	0	0	0	0	0	0	0	0	0	0
6	140	109	0	0	5.9	0	0	0	0	0	0	0
7	143	131	0	0	0	0	0	0	0	0	0	0
8	156	162	0	0	0	0	0	0	0	0	0	0
9	152	136	0	0	0	0	0	0	0	0	0	0
10	157	138	23.2	0	0	0	0	0	0	0	0	0
11	163	142	127	0	0	0	0	0	0	0	0	0
12	143	146	110	0	0	0	0	0	0	0	0	0
13	145	155	125	0	0	0	0	0	0	0	0	0
14	147	150	117	0	0	0	0	0	0	0	0	0
15	157	151	120	0	0	0	0	0	0	0	0	0
16	155	148	0	0	0	0	0	0	0	0	0	0
17	156	151	0	0	0	0	0	0	0	0	0	0
18	153	153	0	0	0	0	0	0	0	0	0	0
19	145	148	0	0	0	0	0	0	0	0	0	0
20	145	168	0	0	0	0	0	0	0	0	0	0
21	158	177	0	0	0	0	0	0	0	0	0	0
22	158	177	0	0	0	0	0	0	0	0	0	0
23	158	178	0	0	0	0	0	0	0	0	0	0
24	162	174	0	0	0	0	0	0	0	0	0	0
25	156	86	0	0	0	0	0	0	0	0	0	0
26	165	0	0	0	0	0	0	0	0	0	0	0
27	177	0	0	0	0	0	0	0	0	0	0	0
28	177	0	0	0	0	0	0	0	0	0	0	0
29	170	0	0	0	0	0	0	0	0	0	0	0
30	163	0	0	0		0	0	0	0	0	0	0
31	173		0	0		0		0		0	0	
MEAN	142	125	30.1	0	0.21	0	0	0	0	0	0	0
ACRE FEET	8,760	7,420	1,230	0	11.7	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 24.1
ACRE-FEET 17,420

STATION NO. F 354 - R
COYOTE CREEK
below Spring Street

drainage area



RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from cable car

DRAINAGE AREA – 105.0 square miles

LOCATION – 241.0 feet below Spring Street, 7.5 miles northeast of Long Beach

REGULATION – partially regulated by Fullerton Dam, Brea Dam, and Carbon Canyon Dam

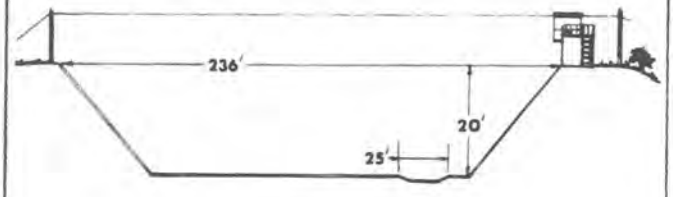
CHANNEL – concrete, trapezoidal in section

CONTROL – channel forms control

LENGTH OF RECORD – December 17, 1963, to date

REMARKS – previous gaging stations for record correlation:
Station F41-S, December 1, 1928, to January 14, 1930
Station F41-R, January 14, 1930, to October 30, 1936
Station F41B-R, October 30, 1936, to February 17, 1937
Station F41C-R, February 18, 1937, to February 8, 1956
Station F320-R, February 9, 1956, to July, 2, 1965

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F354-R

DAILY DISCHARGE IN SECOND-FEET OF COYOTE CREEK below Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 70

	October	November	December	January	February	March	April	May	June	July	August	September
1	6.2	4.6	5.5	4.6	4.9	530	10.7	4.9	4.6	a 4.3	4.9	6.2
2	4.3	4.9	6.8	4.6	4.9	97	6.8	4.0	7.4	a 4.2	6.2	6.2
3	6.2	5.2	10.0	4.9	5.5	10.0	6.8	4.3	8.8	4.0	7.4	5.2
4	4.9	6.2	5.2	6.2	6.2	587	6.8	4.6	7.4	4.6	7.4	7.4
5	5.2	10.0	8.1	6.2	6.8	389	7.4	5.2	7.4	4.0	6.8	4.6
6	4.9	579	14.6	5.2	7.4	15.9	10.0	4.9	3.7	4.3	5.5	4.6
7	4.9	440	19.9	6.8	10.0	10.7	7.4	5.5	4.3	2.5	5.5	5.2
8	4.9	4.9	18.6	6.2	10.7	8.1	7.4	4.6	4.6	3.7	6.2	8.8
9	4.3	3.4	21.2	77	84	8.8	5.5	5.5	5.2	4.0	5.2	10.0
10	8.8	6.8	12.0	328	1,000	9.4	5.5	6.2	4.9	4.6	7.4	9.4
11	6.2	4.3	9.4	101	191	10.0	8.1	6.8	4.3	4.9	6.2	7.4
12	5.5	4.9	6.8	138	8.8	10.7	5.2	4.9	5.5	4.9	4.3	8.1
13	5.5	6.2	9.4	4.9	7.4	10.7	4.9	5.2	7.4	5.5	5.2	8.8
14	6.2	8.1	8.8	100	7.4	9.4	7.4	5.5	8.1	7.4	8.8	8.8
15	6.8	8.8	8.1	66	8.1	8.1	11.4	4.6	8.8	9.4	11.4	10.0
16	6.8	11.4	5.5	606	8.8	7.4	10.7	5.5	8.4	8.1	6.2	6.8
17	6.8	11.4	13.3	54	8.8	10.0	8.1	7.4	8.8	6.2	8.1	6.8
18	5.5	12.0	14.6	10.0	8.8	18.6	10.7	8.1	5.2	4.3	6.8	6.8
19	4.6	6.8	9.4	10.0	5.5	6.8	6.8	6.8	5.1	4.3	4.9	7.4
20	4.9	6.2	8.8	9.4	5.5	7.4	7.4	5.5	5.5	4.9	6.2	4.6
21	7.4	6.8	13.3	8.8	6.2	6.8	6.8	4.9	5.2	4.0	8.8	3.4
22	5.5	6.2	11.4	9.4	5.2	9.4	7.4	4.9	4.9	4.0	4.9	3.1
23	5.2	6.2	8.8	7.4	7.4	18.6	4.9	5.5	4.9	3.7	8.1	3.7
24	7.4	5.5	4.9	7.4	5.2	17.2	4.9	6.2	6.2	6.8	8.8	5.5
25	6.8	4.9	4.9	6.2	8.1	14.6	7.4	6.2	5.2	7.4	11.4	5.5
26	6.8	6.2	13.3	9.4	7.4	8.1	7.4	10.7	a 5.0	8.1	8.8	8.1
27	7.4	5.2	5.2	8.8	9.4	6.2	6.8	5.5	a 4.9	10.7	6.8	6.8
28	10.0	6.2	4.9	6.8	560	6.2	7.4	7.4	a 4.8	6.8	7.4	5.5
29	10.0	6.2	4.6	4.9		7.4	5.5	6.2	a 4.6	6.2	4.9	5.5
30	6.2	7.4	7.4	5.2		12.0	4.9	5.2	a 4.4	4.6	4.0	4.0
31	4.6		8.1	4.9		31		12.0		5.5	5.5	
MEAN	6.15	40.2	9.76	52.7	71.8	61.4	7.28	5.95	6.31	5.42	6.77	6.47
ACRE-FEET	378	2,390	600	3,240	3,990	3,770	433	366	376	333	416	385

YEAR OR PERIOD MEAN 23.0
ACRE-FEET 16,680

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F354-R

DAILY DISCHARGE IN SECOND-FEET OF COYOTE CREEK below Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April	May	June	July	August	September
1	4.3	4.9	31	b 8.4	8.1	9.4	8.8	5.2	2.8	6.8	13.3	17.2
2	4.9	5.5	191	b 8.6	7.4	5.2	10.7	5.2	3.1	7.4	12.0	8.8
3	4.9	9.4	10.0	b 8.9	11.4	8.1	5.5	6.2	2.8	8.8	12.0	8.8
4	3.4	9.4	4.3	b 9.1	8.1	8.1	8.1	8.1	3.1	9.4	12.0	9.4
5	6.2	6.8	4.3	b 9.3	8.8	8.1	8.1	10.7	2.8	10.7	11.4	8.8
6	8.1	69	4.6	b 9.5	7.4	9.4	9.4	28	4.6	8.1	10.7	12.0
7	6.2	2.8	4.6	b 9.7	5.5	8.1	10.0	27	10.7	8.8	12.0	15.9
8	5.2	1.7	4.9	b 10.0	8.8	8.8	8.8	45	25	10.7	15.9	13.3
9	6.2	1.9	113	b 10.2	14.6	7.4	10.7	5.5	12.0	15.9	19.9	15.9
10	6.8	1.6	9.4	b 10.4	14.6	5.5	6.8	5.5	8.8	10.7	13.3	15.9
11	9.4	1.4	8.8	b 10.6	10.0	8.1	7.4	5.2	18.6	10.0	10.7	14.6
12	10.7	1.9	8.8	b 10.8	13.3	7.4	6.8	5.5	11.4	11.4	10.7	10.7
13	12.0	3.1	9.4	b 11.1	18.6	200	10.0	6.2	11.4	12.0	9.4	11.4
14	5.5	2.5	50	b 11.5	40	7.4	351	5.5	19.9	13.3	8.8	12.0
15	4.6	2.1	9.4	6.8	31	7.4	21	5.2	18.6	13.3	8.8	12.0
16	4.6	2.5	56	8.1	265	8.1	10.7	10.7	b 12.0	14.6	8.8	12.0
17	3.7	2.8	95	10.7	324	8.1	22	15.9	b 8.8	13.3	8.8	14.6
18	3.4	2.8	282	9.4	9.4	6.8	11.4	15.9	5.5	10.0	7.4	11.4
19	4.3	4.6	1,740	15.9	14.6	6.2	11.4	19.9	4.9	14.6	8.1	5.2
20	3.7	5.5	113	15.9	8.1	6.2	11.4	21	4.3	10.0	6.8	4.6
21	2.8	4.9	1,140	14.6	7.4	8.1	8.1	25	4.3	10.0	5.5	5.2
22	3.4	4.9	113	13.3	7.4	5.2	6.8	22	4.3	7.4	5.5	6.2
23	9.6	6.2	b 9.5	15.9	7.4	14.6	8.1	10.7	4.9	5.5	6.8	6.8
24	4.0	6.2	b 9.3	14.6	7.4	14.6	5.2	8.1	5.5	5.5	8.1	6.8
25	4.9	19.6	b 9.1	10.7	7.4	5.2	5.2	5.2	4.9	5.5	4.9	5.8
26	4.6	190	b 8.9	11.4	7.4	5.2	8.1	5.5	11.4	6.2	4.3	7.4
27	5.2	6.8	b 8.7	14.6	6.8	7.4	13.3	32	8.1	6.8	6.2	8.1
28	4.9	852	b 8.6	9.4	8.8	11.4	11.4	49	6.2	8.8	8.1	12.0
29	4.6	2,320	b 8.4	8.8		8.1	10.7	6.8	8.1	8.1	5.2	27
30	4.6	269	b 8.2	8.1		8.8	5.5	4.6	6.2	10.7	6.2	34
31	6.2		b 8.2	7.4		6.8		4.0		13.3	12.0	
MEAN	5.58	127	131	10.7	31.7	14.2	21.1	13.9	8.50	9.92	9.47	11.8
ACRE-FEET	343	7,580	8,100	662	1,760	871	1,250	854	506	610	582	704

YEAR OR PERIOD MEAN 32.9
ACRE-FEET 23,820

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F354-R

DAILY DISCHARGE IN SECOND-FEET OF Coyote Creek below Spring Street FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December	January	February	March	April	May	June	July	August	September
1	19.9	3.7	33	8.8	25	6.8	5.5	8.1	a	4.0	13.3	b
2	14.6	3.7	22	5.5	11.4	5.5	6.8	8.8	a	4.9	7.4	b
3	17.2	3.7	103	8.8	8.1	7.4	5.2	6.2	a	5.5	6.8	b
4	37	3.4	99	8.1	7.4	6.2	5.2	7.4	a	5.2	b	b
5	42	4.9	18.6	5.5	11.4	8.8	6.2	6.8	a	7.4	b	b
6	37	6.8	8.8	8.8	7.4	a 8.6	5.2	5.5	a	8.1	b	b
7	22	9.4	12.0	8.8	10.0	a 8.4	4.9	5.2	a	7.4	b	b
8	24	8.8	8.1	8.8	8.1	a 8.2	4.6	4.9	15.9	8.8	b	b
9	18.6	8.1	12.0	8.8	6.8	a 8.0	4.9	4.9	18.6	8.8	b	b
10	8.8	7.4	8.1	10.7	6.2	a 7.9	4.6	4.9	5.2	10.7	b	b
11	9.4	23	17.2	7.4	6.8	a 7.7	6.8	4.6	4.0	12.0	b	b
12	8.8	117	3.7	10.0	4.9	a 7.5	7.4	3.7	4.6	14.6	b	b
13	10.7	5.2	103	8.8	8.1	a 7.3	5.2	3.7	4.3	5.5	b	b
14	14.6	5.5	12.0	7.4	5.5	a 7.1	5.5	3.4	3.4	6.2	b	b
15	8.8	5.5	14.6	10.0	6.8	a 6.9	4.6	3.4	3.7	6.8	b	b
16	50	5.2	14.6	8.8	6.2	a 6.7	5.2	3.4	4.9	6.2	b	b
17	44	4.0	24	10.0	8.8	a 6.6	6.1	4.0	7.4	6.2	b	b
18	8.8	5.2	8.1	10.0	6.8	a 6.6	18.6	4.9	5.5	6.8	b	b
19	5.5	7.4	6.2	5.5	10.0	a 6.6	124	5.2	8.1	8.8	b	b
20	5.2	5.2	8.8	10.0	8.8	a 6.6	4.6	36	9.4	13.3	b	b
21	5.5	4.6	5.5	8.1	14.6	a 6.5	3.1	4.6	6.2	14.6	b	b
22	5.5	6.2	851	13.3	9.4	a 6.5	3.4	4.0	3.4	17.2	b	b
23	6.8	10.7	39	11.4	8.8	a 6.5	3.1	6.2	4.6	17.2	b	b
24	117	17.2	1,770	10.7	10.7	a 6.4	3.7	4.0	4.0	14.6	b	b
25	6.2	14.6	359	10.7	13.3	a 6.4	4.0	4.3	2.3	15.9	b	b
26	5.2	15.9	147	14.6	11.4	a 6.4	4.0	8.1	2.8	15.9	b	b
27	4.6	24	1,700	15.9	9.4	a 6.3	3.4	4.3	3.4	14.6	b	b
28	4.9	13.3	443	11.4	10.7	a 6.3	6.1	a	2.8	13.3	b	b
29	4.3	24	34	10.0	7.4	a 6.3	7.4	a	3.1	10.7	b	b
30	3.7	24	15.9	13.3		a 6.3	9.4	a	3.7	8.8	b	b
31	2.8		9.4	14.6		a 6.2		a		10.0	b	
MEAN	18.8	13.2	191	9.82	2.17	6.94	9.62	Inc.	Inc.	10.0	Inc.	Inc.
ACRE-FEET	11,570	787	11,720	604	125	427	573	Inc.	Inc.	615	Inc.	Inc.

YEAR OR PERIOD MEAN Inc.
ACRE-FEET Inc.

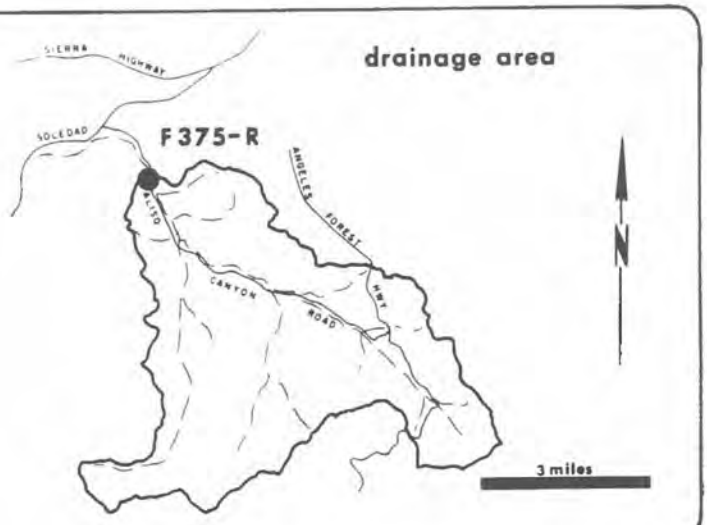
STATION DATA SUMMARY

STA. NO. F354-R
COYOTE CREEK BELOW SPRING STREET

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1963-64	1190	+	10.9	7950	11	15	N.D.
1964-65	800	0.3	16.9	12220	4	9	3350
1965-66	1830	1.2	32.5	23500	12	29	5020
1966-67	1840	1.4	37.9	27450	1	22	6880
1967-68	2350	1.6	26.8	19570	3	8	6970
1968-69	4420	3.1	88.8	64290	1	20	11300
1969-70	1000	2.5	23.0	16680	2	10	4600
1970-71	2320	1.4	32.9	23820	12	19	6200
1971-72	1770	*	*	*	12	27	6620.

\+ = LESS THAN 0.05 ACRE FEET OR CFS, BUT GREATER THAN 0.
N.D. = NOT DETERMINED
* = RECORD INCOMPLETE

STATION NO. F 375 - R
ALISO CREEK
at Blum Ranch



RECORDER - continuous water stage

METHOD OF MEASUREMENTS - wading

DRAINAGE AREA - 23.7 square miles

LOCATION - at Aliso Canyon road crossing, 2.0 miles east of Acton

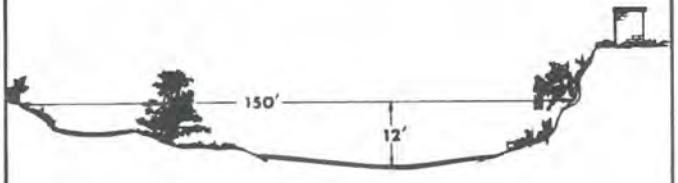
REGULATION - none

CHANNEL - natural, rock, sand and gravel

CONTROL - asphalt covered, concrete dip crossing

LENGTH OF RECORD - January 20, 1966, to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F375-R

DAILY DISCHARGE IN SECOND-FEET OF ALISO CANYON CREEK near Blum Ranch FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	d 0.3	d 0.6	0.9	d 0.9	37	1.6	1.1	0	0	0	0
2	0	d 0.3	d 0.6	0.9	d 0.9	43	1.6	1.1	0	0	0	0
3	0	d 0.3	d 0.6	0.9	d 1.0	10	1.6	1.1	0	0	0	0
4	0	a 0.3	d 0.6	0.9	d 1.0	9.2	1.6	1.1	0	0	0	0
5	0	a 0.3	0.6	0.9	d 1.0	20	1.6	1.1	0	0	0	0
6	0	a 3.0	0.6	0.9	d 1.0	18	1.6	d 1.0	0	0	0	0
7	0	a 2.5	0.6	0.9	d 1.0	13	0.6	d 0.8	0	0	0	0
8	0	a 2.0	0.7	0.9	d 1.0	10	1.1	d 0.6	0	0	0	0
9	0	a 1.8	0.7	d 1.3	d 3.0	9.2	1.1	d 0.4	0	0	0	0
10	0	a 1.6	0.7	d 1.3	d 7.0	5.0	1.1	d 0.2	0	0	0	0
11	0	a 1.4	0.7	d 1.3	d 5.6	3.3	1.1	d 0.1	0	0	0	0
12	0	a 1.2	0.7	d 1.3	d 4.0	3.3	1.1	d 0.1	0	0	0	0
13	0	d 1.1	0.7	d 1.3	d 3.0	2.8	1.1	d 0.1	0	0	0	0
14	0	d 1.0	0.8	d 1.3	d 2.0	2.2	1.1	d 0.1	0	0	0	0
15	0	d 0.9	0.8	d 1.3	d 1.5	2.2	1.1	d 0.1	0	0	0	0
16	d 0.1	d 0.8	0.8	d 1.3	d 1.4	5.5	1.1	d 0.1	0	0	0	0
17	a 0.1	d 0.7	0.9	d 1.2	d 1.3	3.8	1.1	d 0.1	0	0	0	0
18	a 0.2	d 0.7	0.9	d 1.2	d 1.2	2.2	1.1	d 0.2	0	0	0	0
19	a 0.2	d 0.7	0.9	d 1.1	d 1.2	1.6	1.1	d 0.2	0	0	0	0
20	a 0.2	d 0.7	0.9	d 1.0	1.1	1.6	1.1	d 0.2	0	0	0	0
21	a 0.2	d 0.7	0.9	d 0.9	1.1	1.6	1.1	d 0.1	0	0	0	0
22	a 0.3	d 0.7	0.9	d 0.9	1.1	1.6	1.1	d 0.1	0	0	0	0
23	d 0.3	d 0.7	1.0	d 0.9	1.1	1.6	1.1	+	0	0	0	0
24	d 0.3	d 0.7	1.0	d 0.9	1.1	1.6	1.1	0	0	0	0	0
25	d 0.3	d 0.7	1.0	d 0.8	1.1	1.1	1.1	0	0	0	0	0
26	d 0.3	d 0.6	1.0	d 0.8	1.1	1.1	1.1	0	0	0	0	0
27	d 0.3	d 0.6	1.0	d 0.7	1.1	1.1	1.1	0	0	0	0	0
28	d 0.3	d 0.6	1.0	d 0.7	22	1.1	1.1	0	0	0	0	0
29	d 0.3	d 0.6	1.0	d 0.7		1.1	1.1	0	0	0	0	0
30	d 0.3	d 0.6	1.0	d 0.8		1.1	1.1	0	0	0	0	0
31	d 0.3		0.9	d 0.8		1.1		0		0	0	
MEAN	0.13	0.94	0.81	1.00	2.49	7.00	1.18	0.32	0	0	0	0
ACRE-FEET	7.9	56	50	61	138	430	70	20	0	0	0	0

YEAR OR PERIOD MEAN 1.15

ACRE-FEET 834

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F375-R

DAILY DISCHARGE IN SECOND-FEET OF ALISO CANYON CREEK near Blum Ranch FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	12	1.6	1.1	1.1	1.1	0.3	0	0	0	0
2	0	0	10	1.6	1.1	0.6	1.1	0.3	0	0	0	0
3	0	0	5.0	0.4	1.1	0.6	1.1	0.3	0	0	0	0
4	0	0	4.4	0.6	1.1	0.6	0.5	0.3	0	0	0	0
5	0	0	3.3	2.8	1.1	0.6	0.4	0.3	0	0	0	0
6	0	0	2.2	1.1	0.6	0.6	0.4	0.3	0	0	0	0
7	0	0	2.2	2.2	1.1	1.1	1.1	0.3	0	0	0	0
8	0	0	1.1	1.1	1.6	1.1	0.6	0.3	0	0	0	0
9	0	0	1.6	1.1	1.1	1.1	0.6	0.3	0	0	0	0
10	0	0	0.2	1.1	1.1	1.6	0.6	0.2	0	0	0	0
11	0	0	0.2	1.1	1.1	1.1	0.6	0.2	0	0	0	0
12	0	0	0.3	1.1	1.1	1.1	0.6	0.2	0	0	0	0
13	0	0	0.3	1.1	1.1	1.6	0.6	0.1	0	0	0	0
14	0	0	0.3	1.1	1.1	1.6	0.6	+	0	0	0	0
15	0	0	0.4	1.1	1.1	1.6	0.6	+	0	0	0	0
16	0	0	0.4	0.6	1.6	1.1	0.6	+	0	0	0	0
17	0	0	0.4	0.6	4.4	1.1	0.6	+	0	0	0	0
18	0	0	0.4	1.1	3.8	1.6	0.6	0	0	0	0	0
19	0	0	2.2	3.3	6.7	1.6	0.6	0	0	0	0	0
20	0	0	d 2.2	3.8	2.8	1.1	0.6	0	0	0	0	0
21	0	0	3.3	3.3	1.1	1.1	0.6	0	0	0	0	0
22	0	0	3.8	2.8	1.1	1.1	0.6	0	0	0	0	0
23	0	0	3.3	2.2	1.1	1.1	0.6	0	0	0	0	0
24	0	0	1.6	1.6	1.1	1.1	0.6	0	0	0	0	0
25	0	0	1.1	1.6	1.1	0.6	0.6	0	0	0	0	0
26	0	0	1.1	1.6	1.1	1.1	0.6	0	0	0	0	0
27	0	0	1.1	1.1	0.6	1.6	0.5	0	0	0	0	0
28	0	0	1.1	0.6	0.6	1.6	0.5	0	0	0	0	0
29	0	162	1.1	0.6		1.1	0.5	0	0	0	0	0
30	0	18	1.1	0.6		1.1	0.4	0	0	0	0	0
31	0		1.6	1.1		1.1		0		0	0	
MEAN	0	6.00	2.24	1.47	1.56	1.13	0.63	0.01	0	0	0	0
ACRE-FEET	0	357	137	90	86	70	38	6.1	0	0	0	0

YEAR OR PERIOD MEAN 1.08
ACRE-FEET 787

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F375-R

DAILY DISCHARGE IN SECOND-FEET OF ALISO CANYON CREEK near Blum Ranch FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	October	November	December	January	February	March	April	May	June	July	August	September
1	0	0	0	1.1	0.3	0.3	0	0	0	0	0	0
2	0	0	0	0.6	0.3	0.3	0	0	0	0	0	0
3	0	0	0	0.6	0.3	0.3	0	0	0	0	0	0
4	0	0	0	0.3	0.3	+	0	0	0	0	0	0
5	0	0	0	0.3	0.3	0	0	0	0	0	0	0
6	0	0	0	0.3	0.3	0	0	0	0	0	0	0
7	0	0	0	0.3	0.3	0	0	0	0	0	0	0
8	0	0	0	0.3	0.3	0	0	0	0	0	0	0
9	0	0	0	0.6	0.3	0	0	0	0	0	0	0
10	0	0	0	1.1	0.3	0	0	0	0	0	0	0
11	0	0	0	0.3	0.3	0	0	0	0	0	0	0
12	0	0	0	0.3	0.3	0	0	0	0	0	0	0
13	0	0	0	0.3	0.3	0	0	0	0	0	0	0
14	0	0	0	0.3	0.3	0	0	0	0	0	0	0
15	0	0	0	0.3	0.3	0	0	0	0	0	0	0
16	0	0	0	0.3	0.3	0	0	0	0	0	0	0
17	0	0	0	0.3	0.3	0	0	0	0	0	0	0
18	0	0	0	0.3	0.3	0	0	0	0	0	0	0
19	0	0	0	0.3	0.3	0	0	0	0	0	0	0
20	0	0	0	0.3	0.3	0	0	0	0	0	0	0
21	0	0	0	0.3	0.3	0	0	0	0	0	0	0
22	0	0	+	0.3	0.3	0	0	0	0	0	0	0
23	0	0	0	0.3	0.3	0	0	0	0	0	0	0
24	0	0	20	0.3	0.3	0	0	0	0	0	0	0
25	0	0	5.5	0.3	0.3	0	0	0	0	0	0	0
26	0	0	9.2	0.3	0.3	0	0	0	0	0	0	0
27	0	0	8.0	0.3	0.3	0	0	0	0	0	0	0
28	0	0	3.3	0.3	0.3	0	0	0	0	0	0	0
29	0	0	2.8	0.3	0.3	0	0	0	0	0	0	0
30	0	0	2.2	0.3		0	0	0	0	0	0	0
31	0		2.2	0.3		0		0		0	0	
MEAN	0	0	1.71	0.38	0.30	0.29	0	0	0	0	0	0
ACRE-FEET	0	0	106	23	17	1.8	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.20
ACRE-FEET 148

250 STA. NO. F375-R
ALISO CREEK AT BLUM RANCH

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1965-66	10	0	N.D.	N.D.	12	29	555
1966-67	88	0	3.3	2400	12	6	219
1967-68	25	0	0.7	481	11	19	116
1968-69	684	0	15.8	11410	1	25	2110
1969-70	43	0	1.2	834	3	2	105
1970-71	162	0	1.1	787	11	29	406
1971-72	20	0	0.2	148	12	24	54

N.D. = NOT DETERMINED

STATION NO. F 377-R
BOUQUET CANYON CREEK
at Urbandale Avenue

drainage area

RECORDER – continuous water stage

METHOD OF MEASUREMENTS – wading or from bridge

DRAINAGE AREA – 51.9 square miles

LOCATION – Bouquet Canyon Creek at Urbandale Avenue, 3.5 miles northeast of Saugus

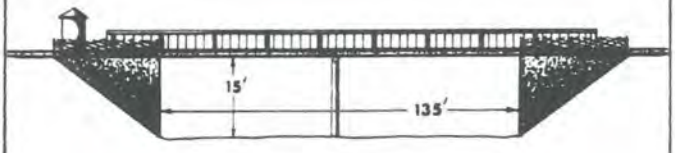
REGULATION – Bouquet Reservoir

CHANNEL – concrete sides with natural bottom, trapezoidal in section

CONTROL – concrete stabilizer

LENGTH OF RECORD – October 11, 1967 to date

cross-section



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. F377-R

DAILY DISCHARGE IN SECOND-FEET OF BOUQUET CANYON CREEK at Urbandale Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	0	0	0	a 0	11	0	0	0	0	0	0
2	0	0	0	0	a 0	3.0	0	0	0	0	0	0
3	0	0	0	0	a 0	1.4	0	0	0	0	0	0
4	0	0	0	0	a 0	4.0	0	0	0	0	0	0
5	0	0	0	0	a 0	8.1	0	0	0	0	0	0
6	d +	4.3	0	0	a 0	d +	0	0	0	0	0	0
7	0	0.8	0	0	a 0	0	0	0	0	0	0	0
8	0	0.2	0	0	a 0	0	0	0	0	0	0	0
9	0	d +	0	a 0	a 4.0	0	0	0	0	0	0	0
10	0	d +	0	a 0	a 8.0	0	0	0	0	0	0	0
11	0	d +	0	a 0	1.2	0	0	0	0	0	0	0
12	0	d +	0	d +	d +	0	0	0	0	0	0	0
13	0	d +	0	a 0	0	0	0	0	0	0	0	0
14	0	d +	0	a 0	0	0	0	0	0	0	0	0
15	0	d +	0	a +	0	0	0	0	0	0	0	0
16	0	d +	0	a +	0	0	0	0	0	0	0	0
17	0	d +	0	a +	0	0	0	0	0	0	0	0
18	0	d +	0	a 0	0	0	0	0	0	0	0	0
19	0	d +	0	a 0	0	0	0	0	0	0	0	0
20	0	d 0.1	0	a 0	0	0	0	0	0	0	0	0
21	0	d +	0	a 0	0	0	0	0	0	0	0	0
22	0	d 0.1	0	a 0	0	0	0	0	0	0	0	0
23	0	d 0	0	a 0	0	0	0	0	0	0	0	0
24	0	d 0	0	a 0	0	0	0	0	0	0	0	0
25	0	d 0	0	a 0	0	0	0	0	0	0	0	0
26	0	d 0	0	a 0	0	0	0	0	0	0	0	0
27	0	0	0	a 0	0	0	0	0	0	0	0	0
28	0	0	0	a 0	2.6	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	a 0		0		0		0	0	
MEAN	+	0.18	0	+	0.56	0.89	0	0	0	0	0	0
ACRE-FEET	+	11	0	+	31	54	0	0	0	0	0	0

YEAR OR PERIOD MEAN 0.13
ACRE-FEET 97

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F377-R

DAILY DISCHARGE IN SECOND-FEET OF BOUQUET CANYON CREEK at Urbandale Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	October	November	December	January	February	March	April	May	June	July	August	September
1	d 0	d 0	d 0	1.0	7.8	0.8	d 2.4	d 0	d 0	0.4	3.6	3.4
2	d 0	d 0.1	d 0	5.9	5.6	+	d 0	d 0	d 0	+	4.7	4.5
3	d 0.1	d 0.2	d 0	1.4	5.2	4.7	d 0	d +	d 0	0.4	4.0	2.8
4	d 0.1	d 0.3	d 0	0	7.5	3.8	d +	d 0	d +	+	5.0	2.4
5	d 0.1	d 0.3	d +	0	5.9	1.4	d 0	d 0	d +	+	3.4	2.6
6	d 0	d 0.3	2.8	0	5.6	2.8	d 0	d +	d +	0.6	2.6	4.0
7	d 0	d 0.3	3.2	0	7.1	6.1	d 0	d 0	d +	d +	4.5	+
8	d 0	d 0.3	3.2	+	5.4	4.0	d 0	d 0	d +	d +	6.1	2.4
9	d 0	d 0.4	15	1.0	d 4.6	3.0	d 0	d 0	d +	d +	4.3	0.6
10	d 0	d 0.4	1.8	3.2	d 3.9	1.6	d 0	d +	d +	d +	1.8	3.0
11	d 0	d 0.4	1.4	2.6	3.2	1.6	d 0	d +	d +	d +	3.0	1.6
12	d 0	d 0.4	1.2	27	2.8	1.4	d 0	d +	d +	d +	1.8	1.2
13	d 0	d 0.4	2.2	16	2.0	4.7	d 0	d +	d +	d +	4.3	0.6
14	d 0	d 0.4	6.8	1.4	1.2	2.4	d 0.1	d 0	0.2	d +	1.2	2.8
15	d 0	d 0.4	1.0	d 0	1.6	+	d +	d +	+	d +	1.8	3.8
16	d 0	d 0.4	2.5	d +	7.3	1.4	d +	d 0	+	1.6	2.2	3.8
17	d 0	d 0.4	4.6	d +	20	1.4	d +	d 0	+	1.6	1.8	4.3
18	d 0	d 0.4	18	2.8	3.0	+	d +	d 0	0.8	0.6	2.0	2.4
19	d 0	d 0.4	30	3.4	0.8	+	d +	d +	0.6	0.6	1.6	2.4
20	d 0	d 0.4	2.5	1.2	0.8	3.0	d +	d 0	+	1.6	1.4	3.0
21	d 0	d 0.4	14	1.4	3.2	3.4	d +	d 0	+	1.6	2.0	3.0
22	d 0	d 0.4	+	2.4	2.2	3.0	d +	d 0	+	1.8	2.2	3.2
23	d 0	d 0.4	0	5.6	1.8	1.4	d 0	d 0	d +	1.8	4.0	3.2
24	d 0	d 0.4	d +	5.6	1.8	2.6	d 0	d 0	d +	1.4	3.4	3.2
25	d 0	d 0.4	d +	6.1	1.2	1.4	d 0	d 0	d +	d +	3.0	3.2
26	d 0	d 0.4	d +	6.8	0.6	2.0	d 0	d +	d +	d +	2.4	3.2
27	d 2.7	d 0.4	1.0	7.1	2.6	3.0	d 0	d 0	d +	d +	2.6	3.2
28	d 0	d 1.0	1.0	7.1	3.0	3.0	d 0	d 0	d +	0.4	2.6	2.8
29	d 0	d 1.0	0.8	6.8		3.6	d 0	d 0	0.4	0.4	3.0	2.8
30	d 0	d 0.5	0.8	8.5		3.2	d 0	d 0	0.4	+	3.4	3.2
31	d 0		1.0	6.8		2.4		d 0		+	3.0	
MEAN	0.10	0.40	3.70	4.23	4.32	2.36	0.08	0	0.08	0.48	2.99	2.75
ACRE-FEET	6.0	24	228	260	240	145	5.0	0	4.8	29	184	164

YEAR OR PERIOD MEAN 1.78
ACRE-FEET 1,290

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO F377-R

DAILY DISCHARGE IN SECOND-FEET OF BOUQUET CANYON CREEK at Urbandale Avenue FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	October	November	December	January	February	March	April	May	June	July	August	September
1	3.0	0.6	1.0	2.0	0	0	0	0	0	0	0	0
2	3.0	0.2	0.4	3.2	0	0	0	0	0	0	0	0
3	3.0	0.2	1.6	1.8	0	0	0	0	0	0	0	0
4	3.0	1.2	1.2	2.2	0	0	0	0	0	0	0	0
5	3.6	0.8	0	1.0	0	0	0	0	0	0	0	0
6	2.6	0.2	0.8	0.4	0	0	0	0	0	0	0	0
7	2.4	0.2	0.2	0.4	0	0	0	0	0	0	0	0
8	2.4	0.2	0.2	0.4	0	0	0	0	0	0	0	0
9	2.0	0.2	0.2	0.4	0	0	0	0	0	0	0	0
10	1.8	0.2	0.8	0.4	0	0	0	0	0	0	0	0
11	1.6	1.4	0.6	0.4	0	0	0	0	0	0	0	0
12	3.2	20	0.2	0.4	0	0	0	0	0	0	0	0
13	0.6	8.5	0.8	0.4	0	0	0	0	0	0	0	0
14	0.4	5.6	0.6	0.4	0	0	0	0	0	0	0	0
15	1.0	4.5	0.6	0.4	0	0	0	0	0	0	0	0
16	1.0	3.8	0.4	0.4	0	0	0	0	0	0	0	0
17	1.2	3.6	0.2	0.4	0	0	0	0	0	0	0	0
18	1.4	3.2	0.2	0.4	0	0	0	0	0	0	0	0
19	1.4	3.2	0	0.4	0	0	0	0	0	0	0	0
20	1.2	2.6	0	0.2	0	0	0	0	0	0	0	0
21	0.4	2.6	0	0.2	0	0	0	0	0	0	0	0
22	0	3.0	0.4	0.2	0	0	0	0	0	0	0	0
23	0.4	3.0	0.1	0.2	0	0	0	0	0	0	0	0
24	2.4	3.2	9.8	0.2	0	0	0	0	0	0	0	0
25	5.4	3.2	36	+	0	0	0	0	0	0	0	0
26	3.0	3.0	3.4	+	0	0	0	0	0	0	0	0
27	2.8	2.4	26	+	0	0	0	0	0	0	0	0
28	2.2	2.0	13	+	0	0	0	0	0	0	0	0
29	1.6	2.0	3.4	+	0	0	0	0	0	0	0	0
30	1.6	1.6	2.4	+		0	0	0	0	0	0	0
31	1.8		1.2	+		0		0		0	0	
MEAN	1.93	2.88	3.41	0.54	0	0	0	0	0	0	0	0
ACRE-FEET	117	171	210	33	0	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 2.73
ACRE-FEET 331

STATION DATA SUMMARY

STA. NO. F377-R
BOUQUET CANYON CREEK AT URBANDALE AVENUE

SEASON	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	TOTAL RUNOFF A.F.	PEAK FLOW MON	DAY	CFS
1967-68	66	0	1.1	823	11	19	713
1968-69	528	0	3.4	2450	2	25	3256
1969-70	11	0	0.1	11	3	1	20
1970-71	30	0	2.2	1290	12	18	273
1971-72	36	0	0.7	499	12	27	101

STATION NO. M382-R
SAN DIMAS WASH-MWD OUTLET ABOVE FOOTHILL BOULEVARD

LOCATION: Lat. 34°07'34", Long. 117°47'41", on the right, (west) bank at the inlet structure of the paved channel and about 1,250 feet above Foothill Boulevard; about 2 miles north of San Dimas. Elevation of outlet approximately 1,078.5 feet.

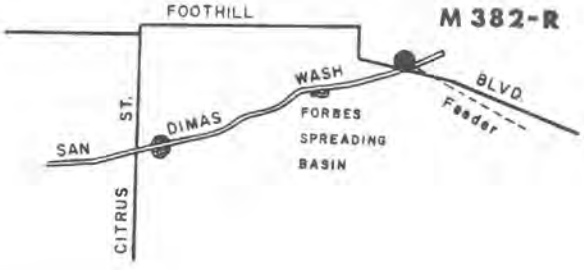
RECORDER: Continuous totalizing recorder with Venturi control.

REGULATION: Entirely regulated by gated outlet on The Metropolitan Water District upper feeder.

RECORDS AVAILABLE: October 29, 1968 to present.

OPERATION: Located, constructed, and operated by The Metropolitan Water District in cooperation with the Los Angeles County Flood Control District.

MONTHLY DISCHARGE IN ACRE-FEET: Amounts shown are as of midnight on the last day of the month. Approximate mean daily flows are available at the District office.



STA. NO. M382-R
SAN DIMAS WASH - MWD OUTLET ABOVE FOOTHILL BOULEVARD

YEAR	MAX DAILY CFS	MIN DAILY CFS	MEAN DAILY CFS	ANNUAL TOTAL A.F.
1968-69	76	0	0.6	411
1969-70	120	0	59.5	43060
1970-71	204	0	75.7	54850
1971-72	230	0	47.0	34140

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. M382-R

DAILY DISCHARGE IN SECOND-FEET OF METROPOLITAN WATER DISTRICT OUTLET near San Dimas FOR THE WATER YEAR ENDING SEPTEMBER 30, 1970

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	0	119	78	79	75	0	51	50	100	70	100	0
2	0	119	78	79	75	0	51	50	100	82	100	0
3	0	119	78	79	75	0	59	50	100	91	100	0
4	0	119	79	79	75	0	61	50	100	91	66	33
5	0	66	79	78	75	0	65	50	100	91	80	99
6	0	0	79	78	75	0	65	50	100	91	80	98
7	0	0	78	78	75	0	33	50	100	91	80	98
8	0	0	78	53	75	0	0	54	100	91	80	98
9	0	0	29	0	53	0	0	60	100	91	81	98
10	0	0	0	0	0	0	0	60	100	91	81	98
11	0	0	0	0	0	0	0	65	100	91	92	98
12	0	46	36	0	0	0	0	70	100	91	100	98
13	0	99	79	0	0	0	42	70	101	91	100	98
14	0	99	79	0	0	0	70	75	101	85	100	98
15	0	99	78	0	0	0	72	79	102	81	100	98
16	50	99	78	0	0	0	38	79	100	81	100	98
17	81	99	78	0	0	0	0	79	95	81	100	98
18	81	99	78	0	44	0	39	79	90	81	100	98
19	81	92	78	0	72	0	70	93	90	81	100	98
20	81	85	79	0	72	0	86	65	90	81	100	98
21	81	82	79	0	71	0	102	0	90	82	100	39
22	81	78	79	28	71	0	100	0	90	80	100	0
23	81	78	79	35	71	0	92	0	82	80	100	0
24	81	79	79	0	71	0	78	0	70	80	100	0
25	81	79	78	0	72	0	70	65	70	80	100	0
26	81	79	78	40	72	0	70	100	70	80	100	0
27	81	78	78	79	53	32	58	99	70	80	100	0
28	107	78	78	79	0	51	50	96	70	80	100	0
29	115	78	78	79		51	50	96	70	93	100	0
30	115	78	79	79		50	50	98	70	100	100	0
31	120		79	78		50		99		100	11.8	
MEAN	45.1	71.5	70.4	35.5	47.2	7.55	50.9	82.3	90.7	85.8	92.0	54.7
ACRE-FEET	2,770	4,260	4,330	2,180	2,620	464	3,030	3,830	5,400	5,270	5,660	3,250

YEAR OR PERIOD MEAN 59.5
ACRE-FEET 43,060

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M382-R

DAILY DISCHARGE IN SECOND-FEET OF METROPOLITAN WATER DISTRICT OUTLET near San Dimas FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 71

	October	November	December	January	February	March	April				August	September
1	0	70	0	0	0	160	170	0	0	102	102	43
2	0	70	0	0	84	160	168	0	0	102	160	102
3	0	70	0	0	153	160	173	0	40	102	201	123
4	0	24	0	0	179	160	172	0	0	102	200	142
5	0	0	0	0	182	160	171	0	0	101	173	141
6	0	0	0	0	182	160	170	0	0	101	153	142
7	0	40	0	0	182	160	74	0	0	115	153	142
8	0	70	0	0	182	160	0	0	0	170	154	140
9	51	70	0	0	182	160	0	0	57	202	122	143
10	90	70	0	0	169	160	0	0	100	202	42	145
11	90	70	0	0	154	159	0	0	100	202	0	142
12	90	70	0	0	154	100	0	0	100	202	0	142
13	90	80	0	0	163	0	0	18.1	100	202	0	116
14	90	90	0	0	155	0	0	114	100	202	0	32
15	90	90	0	0	154	63	0	148	100	167	0	0
16	90	90	0	0	99	174	0	150	100	102	0	28
17	90	112	0	0	0	175	0	180	100	102	0	104
18	90	130	0	0	0	176	0	198	100	100	0	139
19	90	130	0	0	0	175	0	198	100	163	0	140
20	106	115	0	0	0	175	0	198	100	204	0	142
21	120	100	0	0	0	174	0	196	100	205	0	153
22	120	100	0	0	48	171	0	198	100	200	0	168
23	120	97	0	0	81	170	0	198	100	200	0	171
24	120	97	0	0	156	170	0	198	100	202	0	154
25	120	50	0	0	174	172	0	198	100	201	0	140
26	121	0	0	0	176	80	0	196	88	200	0	140
27	100	0	0	0	164	0	0	141	75	200	0	161
28	100	0	0	0	166	0	0	11.9	75	200	0	170
29	89	0	0	0		70	0	0	90	200	0	172
30	74	0	0	0		170	0	0	100	136	0	175
31	66		0	0		170		0		102	0	
MEAN	71.2	63.5	0	0	119	134	36.6	82.0	69.5	16.1	47.1	129
ACRE-FEET	4,380	3,780	0	0	6,620	8,220	2,180	5,040	4,140	9,900	2,900	7,690

YEAR OR PERIOD MEAN 75.7
ACRE-FEET 54,850

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO M382-R

DAILY DISCHARGE IN SECOND-FEET OF METROPOLITAN WATER DISTRICT OUTLET near San Dimas FOR THE WATER YEAR ENDING SEPTEMBER 30, 19 72

	October	November	December		February	March				July	August	
1	120	212	100	0	120	0	0	0	0	0	0	0
2	180	229	49	0	120	0	0	0	0	0	0	0
3	180	229	0	0	120	0	0	0	0	0	0	0
4	181	229	0	51	85	0	0	0	0	0	0	0
5	191	229	0	145	60	0	0	0	0	0	0	0
6	200	229	0	200	120	0	0	0	0	0	0	0
7	200	229	70	200	120	0	0	0	0	0	0	0
8	154	229	200	200	107	0	0	0	0	0	0	0
9	130	228	202	200	90	0	0	0	0	0	0	0
10	127	227	198	198	43	0	0	0	0	0	0	0
11	130	130	200	199	0	0	0	0	0	0	0	0
12	130	0	113	199	0	0	0	0	0	0	0	0
13	125	0	81	199	0	0	0	0	0	0	0	0
14	129	0	200	199	0	0	0	0	0	0	0	0
15	98	82	200	199	0	0	0	0	0	0	0	0
16	0	230	200	199	0	0	0	0	0	0	0	0
17	0	230	200	199	0	0	0	0	0	0	0	0
18	101	190	200	200	0	0	0	0	0	0	0	0
19	200	100	200	200	0	0	0	0	0	0	0	0
20	200	100	200	200	0	0	0	0	0	0	0	0
21	212	100	113	200	0	0	0	0	0	0	0	0
22	230	135	0	200	0	0	0	0	0	0	0	0
23	230	200	0	200	0	0	0	0	0	0	0	0
24	200	200	0	200	0	0	0	0	0	0	0	0
25	0	200	0	117	0	0	0	0	0	0	0	0
26	0	200	0	0	0	0	0	0	0	0	0	0
27	0	200	0	0	0	0	0	0	0	0	0	0
28	0	200	0	0	0	0	0	0	0	0	0	0
29	111	174	0	0	0	0	0	0	0	0	0	0
30	200	174	0	0		0	0	0	0	0	0	0
31	200		0	55		0		0		0	0	
MEAN	136	170	87.9	134	34	0	0	0	0	0	0	0
ACRE-FEET	8,370	10,140	5,410	8,270	1,950	0	0	0	0	0	0	0

YEAR OR PERIOD MEAN 47.0
ACRE-FEET 34,140

RISING WATER
at Whittier Narrows

The values of discharge summarized here are computed by means of interpolation between measured amounts. It has been necessary to estimate the quantity of rising water reaching Whittier Narrows during periods of high flow such as during storms. Beginning in 1954 the importation of Colorado River water for spreading created conditions which have made accurate measurements impossible to obtain. When these conditions prevail, estimates are made which are based on the nearest accurate values.

Rising water discharge is computed by the formula:

$$M = A + B - (C + D) + G + H - (I + J)$$

M = total rising water at Whittier Narrows.

A = computed flow of Mission Creek at San Gabriel Boulevard.

B = measured flow of Rio Hondo at maximum rising water.

C = measured flow of Rio Hondo above rising water, Station E326-R.

D = additional flow at various locations.

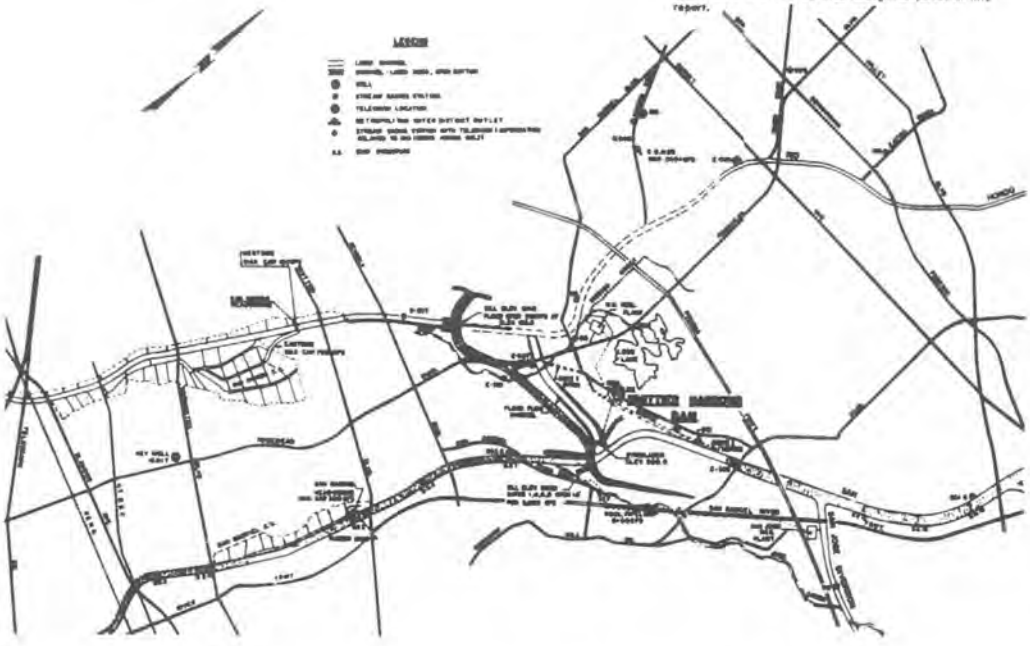
G = measured flow of San Gabriel River above Parkway Bridge, Station F86-S.

H = diversion above "G".

I = measured flow of San Gabriel River above rising water.

J = additional flow at various locations.

A graph has been included which shows the mean monthly rising water from January 1923 through the period of this report.



LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO _____

DAILY DISCHARGE IN SECOND-FEET OF RISING WATER at Whittier Narrows (Total) FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	24.7	30.9	35.4	38.4	36.6	39.1	40.1	37.3	33.3	27.1	20.7	15.7
2	24.7	32.1	35.4	38.4	36.6	39.2	40.0	36.3	33.5	26.1	20.6	15.7
3	24.7	32.2	35.4	38.4	36.6	39.2	40.0	36.2	33.6	26.1	20.4	15.7
4	24.7	33.4	35.4	38.4	36.6	39.3	39.9	37.2	33.7	26.0	20.3	15.6
5	24.7	33.5	35.4	38.4	36.6	39.2	39.9	37.2	32.6	26.0	20.1	15.7
6	24.6	33.6	36.3	39.4	36.6	39.2	39.8	37.2	32.4	26.0	20.0	15.6
7	24.7	34.9	36.3	39.4	36.6	39.1	39.8	37.1	32.4	26.0	19.9	15.7
8	24.7	36.1	36.3	39.4	36.6	39.0	39.8	37.1	32.2	24.9	19.8	15.7
9	24.7	36.3	36.3	39.4	37.6	39.0	39.7	36.1	32.1	24.9	19.6	15.7
10	24.7	36.5	36.3	39.4	37.6	38.9	39.7	35.9	31.9	24.9	19.4	15.7
11	24.8	37.6	36.2	39.4	38.6	39.8	38.7	35.4	31.8	24.8	19.3	15.7
12	24.9	37.6	36.2	39.4	38.6	39.8	38.6	35.0	30.5	24.7	19.1	15.7
13	24.9	37.7	36.2	40.4	38.5	39.7	37.6	34.7	30.2	24.7	19.1	15.8
14	25.1	37.7	36.3	40.4	38.5	39.7	37.6	34.5	29.8	24.7	19.0	15.7
15	25.1	37.7	36.3	39.4	38.5	39.7	37.1	34.4	29.5	23.6	18.8	15.8
16	25.0	37.7	36.3	39.4	38.5	39.7	36.7	34.3	29.3	23.5	18.7	15.7
17	25.4	37.7	36.3	38.4	38.4	39.6	37.0	34.3	28.9	23.5	18.6	15.8
18	25.9	37.7	36.4	37.4	38.4	39.6	37.3	34.2	28.0	23.4	18.4	15.8
19	25.7	37.7	37.4	37.5	38.4	39.6	37.5	34.1	28.2	23.4	18.3	15.8
20	26.6	37.7	37.4	36.5	38.5	39.5	37.5	34.0	28.2	23.4	18.1	15.8
21	26.6	36.6	37.4	36.5	38.5	39.5	38.5	33.9	28.4	22.2	17.9	15.8
22	27.5	36.6	37.4	36.6	38.6	39.5	38.5	34.1	28.5	22.2	17.8	15.8
23	27.4	36.6	37.4	36.6	38.7	39.4	38.5	33.1	28.5	22.2	17.7	15.9
24	28.2	36.6	37.4	36.6	38.8	39.4	38.5	33.2	28.6	22.1	17.6	15.8
25	28.1	36.6	37.4	36.6	38.8	40.3	38.4	33.3	27.7	22.1	17.4	15.9
26	29.0	36.5	37.4	36.6	38.9	40.3	38.4	33.5	27.6	22.0	17.3	15.8
27	29.0	36.5	37.4	36.6	39.0	40.3	38.4	33.6	27.5	21.9	17.1	15.9
28	28.8	36.5	37.4	36.6	39.0	40.2	37.4	33.7	27.4	20.9	16.9	15.9
29	29.7	36.5	38.4	36.6		40.2	37.3	33.9	27.3	20.8	16.6	15.9
30	30.6	36.5	38.4	36.6		40.1	37 1	33.0	27.3	20.8	16.2	16.0
31	30.7		38.4	36.6		40.1		33.1		20.7	16.0	
MEAN	26.3	36.0	36.7	38.1	38.0	39.6	38.8	34.9	30.0	23.7	18.6	15.8
ACRE-FEET	1,620	2,140	2,260	2,340	2,110	2,430	2,310	2,140	1,790	1,460	1,140	938

YEAR OR PERIOD MEAN 31.3
ACRE-FEET 22,680

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. _____

DAILY DISCHARGE IN SECOND-FEET OF RISING WATER at Whittier Narrows (Total) FOR THE WATER YEAR ENDING SEPTEMBER 30, 1971

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	[illegible]	15.5	24.1	29.7	29.9	28.7	26.1	21.9	16.8	14.8	12.2	9.8
2	[illegible]	15.9	25.0	30.1	29.7	28.7	26.5	21.8	16.7	14.5	12.2	9.7
3	[illegible]	16.3	25.3	30.1	29.7	28.6	26.4	21.5	16.6	14.5	12.2	9.7
4	[illegible]	16.6	26.2	30.1	29.8	28.5	26.1	21.3	16.4	14.4	12.0	9.6
5	[illegible]	16.8	28.0	30.2	29.7	28.5	25.9	21.1	16.4	14.3	12.0	9.6
6	[illegible]	17.1	28.4	30.2	29.7	28.3	25.9	20.8	16.3	14.3	11.9	9.5
7	[illegible]	17.3	28.7	30.1	29.8	28.3	25.8	20.6	16.2	14.2	11.7	9.4
8	[illegible]	17.6	28.2	30.1	29.8	28.2	25.7	20.2	16.2	14.1	11.7	9.4
9	[illegible]	17.7	29.1	30.1	29.9	28.2	25.6	19.9	16.1	14.0	11.5	9.3
10	[illegible]	18.0	29.2	30.2	29.9	28.1	25.6	19.7	16.1	14.0	11.5	9.3
11	14.5	18.1	29.1	30.0	29.7	28.0	25.5	19.4	16.1	13.8	11.4	9.1
12	14.7	18.7	29.1	30.1	29.5	28.0	25.6	19.1	16.0	13.7	11.3	9.0
13	14.7	19.0	29.0	30.9	29.4	28.0	25.6	18.8	16.0	13.7	11.3	9.0
14	14.9	18.9	28.9	30.7	29.3	28.0	25.8	18.5	15.9	13.6	11.2	8.9
15	15.0	19.2	28.8	30.7	29.3	27.9	25.8	18.3	15.9	13.5	11.1	8.8
16	15.0	19.6	29.1	30.6	29.2	27.8	25.8	18.2	15.8	13.4	11.1	8.7
17	15.0	19.7	29.4	30.6	29.1	27.8	25.4	17.9	15.9	13.3	11.0	8.8
18	15.1	20.1	29.5	30.6	29.1	27.8	25.0	17.8	15.8	13.3	11.0	8.8
19	15.2	20.5	29.6	30.5	29.1	27.4	24.8	17.6	15.7	13.3	10.8	8.6
20	15.4	20.8	29.6	30.4	29.2	27.3	24.4	17.4	15.6	13.0	10.7	8.6
21	15.5	20.9	30.6	30.3	29.4	27.1	24.1	17.3	15.6	13.0	10.7	8.6
22	15.5	21.1	30.7	30.5	29.4	27.2	23.7	17.2	15.6	13.0	10.7	8.4
23	15.5	21.3	30.7	30.8	29.2	27.1	23.6	17.0	15.4	12.8	10.5	8.5
24	15.4	21.6	31.1	30.8	29.1	27.0	23.4	16.8	15.3	12.8	10.5	8.3
25	15.3	21.9	31.0	30.9	29.1	26.9	23.1	16.6	15.2	12.7	10.5	8.2
26	15.4	22.2	30.8	31.1	28.9	26.8	23.0	16.5	15.2	12.5	10.3	8.2
27	15.4	22.5	30.5	31.0	28.8	26.6	22.8	16.5	15.2	12.4	10.2	8.1
28	15.4	22.8	30.4	30.7	28.8	26.6	22.6	16.5	15.0	12.4	10.1	8.0
29	15.4	23.1	30.0	30.7		26.4	22.4	16.6	14.9	12.2	10.0	7.9
30	15.4	23.3	29.9	30.4		26.2	22.1	16.7	14.9	12.3	9.9	7.9
31	15.4		29.7	30.2		26.1		16.8		12.3	9.9	
MEAN	14.9	19.5	29.0	30.4	29.4	27.6	24.8	18.8	15.8	13.4	11.1	8.86
ACRE-FEET	914	1,160	1,790	1,870	1,630	1,700	1,480	1,140	942	825	680	527

YEAR OR PERIOD MEAN 20.2
ACRE-FEET 14,650

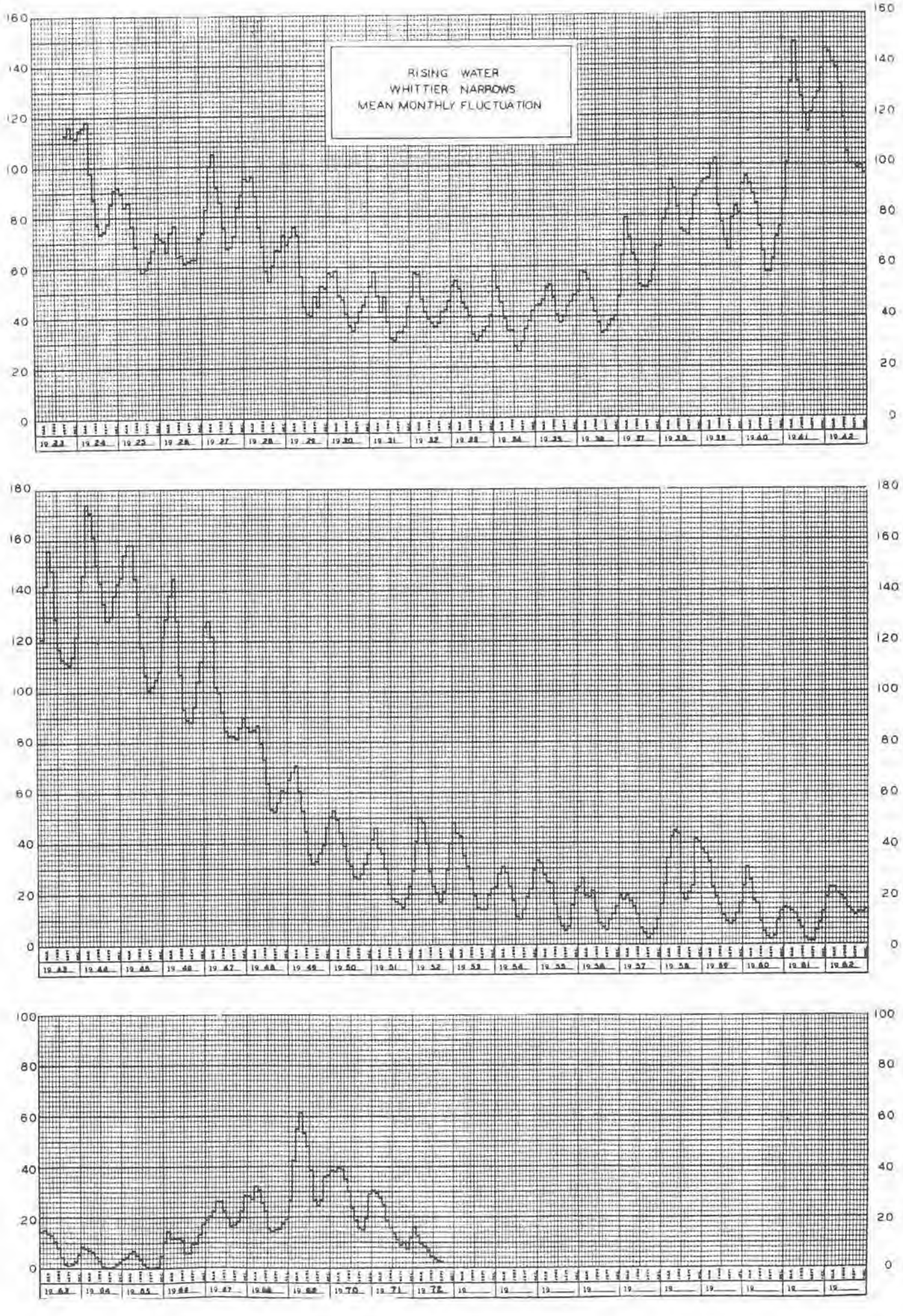
LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT
HYDRAULIC DIVISION

STATION NO. _____

DAILY DISCHARGE IN SECOND-FEET OF RISING WATER at Whittier Narrows (Total) FOR THE WATER YEAR ENDING SEPTEMBER 30, 1972

	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1	10.3	8.3	7.9	15.9	15.4	10.0	9.9	7.2	4.2	4.5	2.9	2.5
2	10.3	8.2	8.2	16.1	15.5	10.1	9.9	7.1	4.1	4.4	2.8	2.5
3	10.4	8.1	8.5	16.4	15.7	10.2	9.7	7.1	4.2	4.3	2.6	2.5
4	10.4	7.9	8.8	16.5	15.6	10.2	9.7	7.1	4.2	4.2	2.6	2.4
5	10.3	7.8	9.1	16.6	15.7	10.3	9.5	7.1	4.2	4.1	2.5	2.5
6	10.2	7.6	9.4	16.6	15.6	10.3	9.2	7.1	4.2	4.1	2.5	2.5
7	10.2	8.1	9.7	16.6	15.7	10.3	9.0	7.0	4.2	4.0	2.5	2.5
8	10.2	8.7	10.0	16.7	15.7	10.3	8.7	7.1	4.1	4.0	2.4	2.5
9	10.2	9.0	10.1	16.7	15.7	10.3	8.5	7.0	4.2	4.1	2.4	2.4
10	10.2	9.3	10.1	16.6	15.0	10.1	8.2	6.9	4.1	4.1	2.5	2.4
11	10.2	8.9	10.3	16.7	14.3	10.0	8.0	6.9	4.1	4.0	2.5	2.1
12	10.1	8.5	10.5	16.8	13.7	9.7	7.5	7.0	4.1	4.1	2.6	2.0
13	10.1	7.9	10.6	16.8	13.1	9.6	7.2	7.0	4.0	4.1	2.6	1.9
14	10.2	7.5	10.8	16.9	12.4	9.5	7.5	7.0	3.9	4.0	2.7	2.0
15	10.2	7.2	11.0	16.8	11.7	9.4	7.7	7.0	4.0	4.0	2.8	2.1
16	10.2	6.8	11.2	16.9	11.2	9.3	8.0	7.0	4.0	4.0	2.7	2.2
17	10.2	6.4	11.4	16.9	11.1	9.2	8.2	7.0	4.1	3.9	2.7	2.4
18	10.2	6.3	11.6	16.9	11.3	9.0	8.4	7.0	4.0	3.8	2.8	2.5
19	10.2	6.3	12.0	16.9	11.1	9.1	8.2	7.0	4.0	3.8	2.9	2.3
20	10.2	6.3	12.2	16.6	10.9	8.9	7.8	7.0	4.0	3.7	2.9	2.4
21	10.1	6.4	12.5	16.2	10.6	8.8	7.5	6.8	4.1	3.7	3.0	2.2
22	10.1	6.3	13.0	15.7	10.6	8.7	7.2	6.8	4.2	3.7	3.0	2.1
23	10.0	6.3	13.2	15.3	10.7	8.5	7.2	6.8	4.3	3.7	3.1	2.1
24	9.9	6.5	14.0	14.9	10.4	8.2	7.2	6.7	4.4	3.5	3.2	1.9
25	9.8	6.8	15.9	14.5	10.3	8.8	7.3	6.7	4.4	3.5	3.1	1.9
26	9.7	7.0	17.0	14.2	10.2	9.3	7.4	6.2	4.6	3.5	3.0	1.9
27	9.7	7.2	17.0	14.4	10.0	9.9	7.5	5.8	4.7	3.3	2.9	1.9
28	9.6	7.4	17.0	14.6	9.9	10.5	7.3	5.4	4.8	3.3	2.8	2.1
29	9.5	7.6	17.1	14.8	10.0	10.3	7.3	5.1	4.7	3.2	2.6	2.1
30	9.4	7.8	16.0	15.1		10.1	7.2	-.6	4.5	3.1	2.4	2.0
31	9.3		15.8	15.3		10.1		-.2		2.9	2.4	
MEAN	10.0	7.48	12.0	16.1	12.7	9.65	8.13	5.64	4.22	3.83	2.72	2.23
ACRE-FEET	618	445	738	988	732	593	484	-28	251	235	167	132

YEAR OR PERIOD MEAN 7.94
ACRE-FEET 5,790


RISING WATER
WHITTIER NARROWS
MEAN MONTHLY FLUCTUATION
DISCHARGE IN SECOND-FEET

OREWORD

llowing the damaging floods of 1913-14 and 1915-16, os Angeles County initiated a program of flood con- l and water conservation including the construction 14 dams. The first bond issue voted for flood con- rol was in 1917. Devil's Gate, the first of the three ms built under this issue was completed in 1920. nder this issue, the remaining dams were built, the the last being San Gabriel Dam completed in 1939. hese dams were operated by the District during the nree seasons covered by this report. In addition, five dams of the Los Angeles District, Corps of Engineers, Department of the Army, were utilized by the District to achieve flood control and water conservation. The Corps of Engineers' dams are: Hansen Dam on Tujunga Wash, Sepulveda Dam on the Los Angeles River, Santa Fe Dam and Whittier Narrows Dam on the San Gabriel River and Rio Hondo, and San Antonio Dam on San Antonio Creek.

OPERATION

The reservoirs are operated to control floodwaters during storm periods. Post storm releases are made, when feasible, in amounts which can be conserved in spreading grounds and by natural channel percolation. Following the storm season, water is stored to provide streamflow during the dry summer months for recreation and water supply purposes.

RECORDS

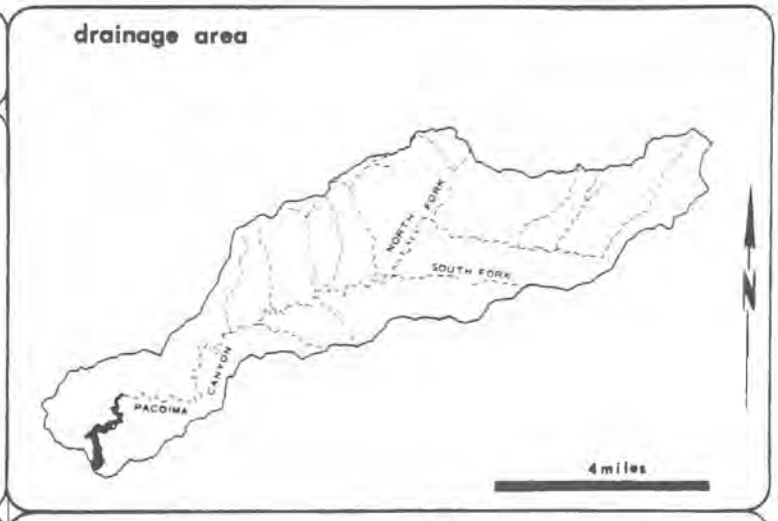
The daily storage and flow records at fourteen of the District reservoirs summarized on the Dam Operation Record Sheets. The sheets show:

1. Reservoir water surface elevations based on spillway datum. Elevations are obtained from water-stage recorder graphs or interpolation from staff gage readings and recorded as of midnight of each day.
2. Storage in acre-feet based on the most recent topographic surveys.
3. Inflow in cubic feet per second is 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. Outflow in cubic feet per second is mean daily valve and/or spillway discharge. These values are determined from gaging station records, known valve openings and rating curves, or from storage change and known inflow.
5. In some instances, total monthly and yearly evaporation and percolation losses have been computed and are indicated on the Dam Operation Records. Discrepancies between outflow and storage losses at certain dams were attributable to percolation and/or evaporation losses and are shown as total monthly and yearly losses. Total monthly evaporation losses are shown as determined from measurements made on floating or land evaporation pans. In those cases where no allowances were made for evaporation, the amounts are necessarily included in the flow values.

   Accuracy of the flow records computed from storage records is dependent on the frequency with with which storage data are revised to keep in step with physical change in reservoirs.

   Recovery of storage capacity lost through sedimentation is accomplished through sluicing and excavation.

PACOIMA DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

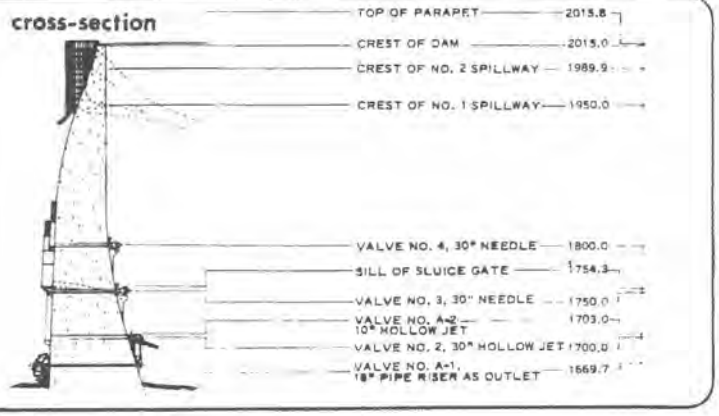
DATE CONSTRUCTED -
Started March 1925 - Completed February 1929

LOCATION -
Pacoima Canyon, 4.0 miles northeast of San Fernando

DRAINAGE AREA - 28.2 square miles

CAPACITY - 3,929 acre-feet

SPILLWAY ELEVATION - 1,950.0 feet



PACOIMA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1929-30	1110	N.D.	N.D.	965			N.D.
1930-31	1082	N.D.	N.D.	886			N.D.
1931-32	8741	N.D.	N.D.	8443			N.D.
1932-33	2160	101	0	2119			N.D.
1933-34	3454	N.D.	N.D.	3493	1	1	914
1934-35	5569	84	0	5556			N.D.
1935-36	3098	88	0	3094	2	12	248
1936-37	15737	356	0	14210	2	14	508
1937-38	25876	2360	0	26796	3	2	8320
1938-39	3525	86	0	3080	12	19	145
1939-40	3209	156	0	3133	1	8	928
1940-41	25785	536	0	25942	3	4	815
1941-42	1920	48	0.1	2032	12	29	85
1942-43	20698	1250	0.1	20407	1	23	2650
1943-44	15004	898	0.4	15167	2	22	1790
1944-45	4866	206	0.4	4911	2	2	494
1945-46	4600	332	0	2904	3	30	564
1946-47	4356	149	0	6029	11	20	282
1947-48	369	6.4	0.1	335	4	29	12
1948-49	723	10	0.1	740	3	5	17
1949-50	1063	19	0.1	1019	2	6	26
1950-51	142	1.3	0	69	4	29	2.4
1951-52	16794	681	0	14325	1	16	1290
1952-53	967	8.5	0	3500	12	1	32
1953-54	2952	107	0.1	2941	1	25	272
1954-55	748	18	0.1	737	4	30	25
1955-56	1466	90	0	1252	1	27	179
1956-57	573	9.8	0	773	1	13	14
1957-58	15818	714	0	15808	4	3	1180
1958-59	783	29	0	708	1	6	184
1959-60	131	0.9	0	271	1	11	2.2
1960-61	59	6.3	0	11	11	12	60
1961-62	6326	584	0.1	6279	2	11	811
1962-63	384	8.1	0.1	228	2	10	19
1963-64	529	8.3	0.1	722	1	22	56
1964-65	1313	70	0.1	1048	4	9	160
1965-66	15553	647	0	15214	11	22	2010
1966-67	23605	698	0.4	23600	12	6	1380
1967-68	3843	76	0	3833	11	21	107
1968-69	43398	2860	0	42998	2	25	4710
1969-70	2717	99	0.4	2308	3	1	276
1970-71	4806	116	0.5	4994	11	29	384
1971-72	1062	36	0.2	802	12	26	91

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PACOIMA DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 28.2 SQ. MI.
CAPACITY OF RESERVOIR 3837.0 AC. FT.,
at SPILLWAY ELEVATION 1980.0 FT.,
as of Annual, 19 69

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1836.2	293.8	.5	.6	1835.4	285.9	.5	.5	1860.7	516.3	15.4	0	[illegible]	595.0	14.1	2.0	1
2	1836.2	293.8	.6	.6	1835.4	285.9	.5	.5	1863.5	664.7	24.4	0	[illegible]	609.6	14.5	2.0	2
3	1836.1	292.8	.6	.6	1835.4	285.9	.5	.5	1865.5	701.1	18.4	0	[illegible]	629.9	12.4	2.0	3
4	1836.1	292.8	.6	.6	1835.4	285.9	.5	.5	1866.8	725.5	12.4	0	[illegible]	647.1	10.9	2.0	4
5	1836.1	292.8	.5	.6	1835.4	285.9	.5	.5	1867.7	742.7	5.8	0	[illegible]	[illegible]	[illegible]	[illegible]	5
6	1836.1	292.8	.5	.6	1835.4	285.9	.5	.5	1868.5	758.4	8.0	0	[illegible]	[illegible]	11.2	[illegible]	6
7	1836.0	291.8	.5	.6	1835.4	285.9	.5	.5	1869.2	772.3	7.2	0	1865.5	701.1	11.4	2.0	7
8	1836.0	291.8	.5	.5	1835.4	285.9	.5	.5	1869.8	784.4	5.2	0	1866.3	716.0	9.7	2.0	8
9	1836.0	291.8	.5	.5	1835.4	285.9	.5	.5	1870.7	802.8	9.3	0	1867.1	731.2	9.7	2.0	9
10	1836.0	291.8	.5	.5	1835.4	285.9	.5	.5	1871.3	815.3	6.5	0	1867.8	744.7	8.9	2.0	10
11	1836.0	291.8	.5	.5	1835.4	285.9	.5	.5	1871.8	825.9	5.5	0	1868.5	758.4	8.9	2.0	11
12	1835.9	290.8	.5	.5	1835.4	285.9	.5	.5	1872.3	836.5	5.6	0	1870.5	798.7	22.3	2.0	12
13	1835.9	290.8	.5	.5	1835.3	284.9	.5	.5	1872.8	847.2	5.5	0	1872.2	834.4	20.0	2.0	13
14	1835.9	290.8	.5	.5	1835.3	284.9	.5	.5	1873.3	858.0	5.5	0	1873.7	866.8	18.4	2.0	14
15	1835.9	290.8	.5	.5	1835.3	284.9	.5	.5	1873.7	866.8	4.6	0	1874.8	891.2	14.4	2.0	15
16	1835.9	290.8	.5	.5	1835.3	284.9	.5	.5	1874.1	875.6	8.3	3.8	1875.9	916.2	14.9	2.0	16
17	1835.9	290.8	.5	.5	1835.3	284.9	.5	.5	1874.7	889.0	9.6	2.7	1877.0	941.8	15.1	2.0	17
18	1835.8	289.8	.5	.5	1835.2	283.9	.5	.6	1875.7	911.7	11.5	0	1878.1	968.0	15.5	2.0	18
19	1835.8	289.8	.5	.5	1835.2	283.9	.5	.6	1878.2	970.4	29.6	0	1879.3	997.2	16.9	2.0	19
20	1835.8	289.8	.5	.5	1835.2	283.9	.5	.6	1880.1	1017.0	23.6	0	1880.5	1027.1	17.2	2.0	20
21	1835.8	289.8	.5	.5	1835.1	282.9	.5	.6	1884.8	1137.9	70.9	9.9	1881.6	1054.9	16.1	2.0	21
22	1835.8	289.8	.5	.5	1835.1	282.9	.5	.6	1884.4	1127.4	56.7	62.0	1882.7	1083.1	16.3	2.0	22
23	1835.8	289.8	.5	.5	1835.1	282.9	.5	.5	1882.8	1085.7	40.1	61.0	1883.6	1106.4	13.8	2.0	23
24	1835.7	288.8	.5	.5	1835.0	281.9	.5	.5	1881.0	1039.6	34.9	58.0	1884.4	1127.4	12.6	2.0	24
25	1835.7	288.8	.5	.5	1835.0	281.9	.5	.5	1878.7	982.6	31.4	60.0	1885.1	1145.8	11.4	2.0	25
26	1835.6	287.8	.5	.5	1835.1	282.9	1.0	.5	1876.3	925.5	26.4	55.0	1885.8	1164.5	11.7	2.0	26
27	1835.6	287.8	.5	.5	1835.1	282.9	.5	.2	1874.2	877.8	26.9	51.0	1886.3	1177.9	9.1	2.0	27
28	1835.5	286.9	.5	.5	[illegible]	299.8	3.4	0	1870.2	792.5	21.5	64.0	1886.8	1191.4	9.1	2.0	28
29	1835.5	286.9	.5	.5	[illegible]	524.7	118.4	0	1865.5	701.1	33.0	77.0	1887.3	1205.0	9.2	2.0	29
30	1835.5	286.9	.5	.5	[illegible]	589.[illegible]	32.8	0	1859.6	599.0	25.1	77.0	1887.8	1218.7	9.2	2.0	30
31	1835.5	286.9	.5	.5					1857.3	561.2	17.5	76.0	1888.3	1232.4	9.2	2.0	31
TOTAL			15.9	16.3			166.7	13.7			[illegible]8.4	519.5			405.1	62.0	
Inf. Ac. Ft.	31.6				334.7				1206.7				803.5				
Outf. Ac. Ft.	32.3 + (6.2)				27.1 + (4.6)				1228.7 + (6.6)				122.9 + (9.3)				
Max. Mean Daily Inf.	.5 cfs				118.4 cfs				70.9 cfs				22.3 cfs				
Min. Mean Daily Inf.	.5 cfs				.5 cfs				4.6 cfs				8.9 cfs				
Storage Change	-6.9 A.F.				303.0 A.F.				-28.5 A.F.				671.2 A.F.				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1886.1	1172.5	9.9	40.0	1866.0	661.2	11.6	19.0	1851.3	422.4	6.7	6.7	[redacted]	[redacted]	[redacted]	6.1	1
2	1882.6	1080.5	12.7	59.4	1865.4	649.9	11.6	19.4	1851.1	419.7	6.7	6.7	1850.8	415.7	6.3	6.1	2
3	1879.2	994.8	12.9	56.0	1864.2	627.7	11.6	23.0	1851.2	421.1	6.7	6.7	1850.9	417.0	6.3	6.1	3
4	1875.2	[illegible]	7.5	55.0	1862.4	595.3	11.6	28.0	1851.3	422.4	6.7	6.7	1851.0	418.4	6.3	6.1	4
5	1873.6	[illegible]	3.1	36.0	1860.9	569.2	11.6	25.0	1851.3	422.4	6.7	6.7	1851.1	419.7	6.3	6.1	5
6	1874.0	873.3	6.5	2.0	1859.5	545.6	11.6	25.0	1851.4	423.8	6.7	6.7	1851.6	426.5	6.3	6.1	6
7	1874.4	[illegible]	6.5	2.0	1857.9	519.5	11.6	22.0	1851.4	423.8	6.7	6.7	1851.7	427.9	6.3	8.0	7
8	1871.5	819.6	13.6	45.0	1856.4	495.1	11.6	22.0	1851.5	425.2	6.8	6.0	1851.1	419.7	6.3	9.4	8
9	1868.9	717.7	7.3	14.0	1854.8	472.0	11.6	22.0	1851.6	426.5	6.8	6.0	1850.6	413.0	6.2	9.4	9
10	1869.1	721.7	9.7	7.4	1853.4	451.7	11.6	22.0	1851.7	427.9	6.8	6.3	1850.2	407.7	4.9	8.0	10
11	1869.5	729.8	12.1	7.7	1853.2	448.9	11.6	12.8	1851.8	429.3	6.8	6.0	1850.1	406.3	4.9	6.2	11
12	1869.9	737.9	12.5	8.1	1853.8	457.4	12.3	7.9	1851.9	430.6	8.1	8.9	1849.9	403.7	4.9	5.8	12
13	1870.5	750.3	14.9	8.4	1856.9	503.8	31.3	7.9	1851.9	430.6	8.1	8.3	1849.8	402.4	4.9	5.5	13
14	1871.0	760.7	13.7	8.3	1858.1	522.7	17.6	7.9	1852.0	432.0	8.1	8.9	1849.7	401.1	4.9	4.8	14
15	[illegible]	[illegible]	12.6	[illegible]	[illegible]	535.7	[illegible]	[illegible]	1851.7	427.9	8.1	[illegible]	1849.6	[illegible]	4.5	4.8	15
16	1870.0	744.0	14.4	23.0	1859.3	547.3	13.9	7.9	1851.4	423.8	8.1	8.9	1849.5	[illegible]	4.7	4.7	16
17	1869.9	737.9	21.0	22.0	1859.9	522.2	11.6	8.9	1851.4	423.8	8.1	8.9	1849.3	395.9	4.8	4.8	17
18	1869.2	723.7	14.9	22.0	1859.7	548.9	4.7	10.9	1851.2	421.1	8.1	8.9	1849.1	393.3	4.8	4.8	18
19	1868.6	711.7	16.0	22.0	1857.0	505.3	8.7	22.0	1851.0	418.4	8.1	8.9	1848.9	390.7	4.8	4.8	19
20	1867.9	697.8	15.2	22.0	1854.3	464.7	8.7	34.0	1850.8	415.7	8.1	8.3	[illegible]	[illegible]	4.8	4.8	20
21	1867.2	684.2	15.2	22.0	1850.5	411.7	8.7	33.0	1850.5	411.7	8.0	8.3	[illegible]	[illegible]	4.5	4.8	21
22	1866.5	670.7	15.3	22.0	1848.9	390.7	8.7	19.1	1850.3	[illegible]	[illegible]	[illegible]	[redacted]	387.9	4.5	4.1	22
23	1865.8	657.4	15.4	22.0	1849.0	392.0	4.7	8.8	1850.2	407.7	6.6	6.1	[redacted]	385.7	4.4	3.4	23
24	1864.9	640.6	13.6	22.0	1849.4	397.2	8.7	7.4	1850.3	409.0	6.6	6.1	[redacted]	384.4	4.4	3.4	24
25	1864.2	627.7	15.7	22.0	1849.6	399.8	8.7	7.4	1850.4	410.3	6.6	6.1	[redacted]	384.4	4.4	4.5	25
26	1864.3	629.5	11.8	10.6	1850.1	406.3	8.7	7.4	1850.5	411.7	6.6	6.1	[redacted]	385.7	4.4	2.2	26
27	1865.5	651.8	12.1	.6	1850.7	414.3	8.7	6.7	1850.6	413.0	6.6	6.1	[redacted]	384.9	4.4	2.2	27
28	1866.5	670.7	10.3	.6	1851.2	421.1	8.7	6.7	1850.7	414.3	6.6	6.1	[redacted]	389.5	4.4	2.2	28
29					1851.4	423.8	8.7	6.7	1850.7	414.3	6.5	6.1	1849.1	393.3	4.4	2.2	29
30					1851.8	429.3	8.7	6.7	1850.8	415.7	6.5	6.1	1849.4	397.2	4.4	2.2	30
31					1851.6	426.5	8.7	6.7					1849.5	398.5	4.4	2.2	31
TOTAL			351.7	606.3			350.7	469.9			214.2	[illegible]			149.8	155.9	
Inf. Ac. Ft.	697.6				695.7				424.9				297.2				
Outf. Ac. Ft.	1202.5 + (8.2)				932.0 + (7.8)				429.0 + (6.7)				309.2 + (5.2)				
Max. Mean Daily Inf.	21.0 cfs				71.3 cfs				8.1 cfs				6.3 cfs				
Min. Mean Daily Inf.	5.5 cfs				3.7 cfs				6.5 cfs				4.4 cfs				
Storage Change	-561.7 A.F.				-244.1 A.F.				-10.8 A.F.				-17.3 A.F.				

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1849.7	401.1	2.9	1.2	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1
2	1849.9	403.7	2.9	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	2
3	1850.1	406.3	2.9	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	3
4	1850.3	409.0	2.9	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	4
5	1850.4	410.3	2.9	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	5
6	1850.6	413.0	2.9	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	6
7	1850.8	415.7	2.8	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	7
8	1850.9	417.0	2.8	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	[illegible]	1.0	1.0	8
9	1851.1	419.7	2.8	1.5	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	9
10	1847.0	367.0	4.2	27.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	10
11	1840.8	295.2	4.2	39.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	11
12	1835.1	237.8	4.3	34.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	12
13	1827.4	171.8	4.3	39.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	13
14	1815.9	93.4	4.3	45.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	14
15	1784.0	0	4.3	53.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	15
16	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	16
17	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	17
18	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	18
19	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	19
20	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	20
21	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	21
22	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	22
23	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	23
24	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	24
25	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	25
26	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	26
27	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	27
28	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	28
29	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	29
30	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	1784.0	0	1.0	1.0	30
31					1784.0	0	1.0	1.0	1784.0	0	1.0	1.0					31
TOTAL			66.4	266.5			31.0	31.0			31.0	31.0			30.0	30.0	
Inf. Ac. Ft.	131.7				61.4				61.4				59.5				
Outf. Ac. Ft.	528.5 + (1.7)				61.4 + (.0)				61.4 + (.0)				59.5 + (.0)				
Max. Mean Daily Inf.	4.3 cfs				1.0 cfs				1.0 cfs				1.0 cfs				
Min. Mean Daily Inf.	1.0 cfs				1.0 cfs				1.0 cfs				1.0 cfs				
Storage Change	-398.5 A.F.				0 A.F.				0 A.F.				0 A.F.				

Max. W.S. Elev. 1888.5 feet on 2/1/71 Storage 1237.9 Acre-Feet
Min. W.S. Elev. 1784.0 feet on various days Storage 0 Acre-Feet
Max. Peak Inf. 394.0 CFS from 12:00 noon on 11/29/70 to 2:00 p.m. on 11/29/70
Max. Peak Outf. 85.2 CFS from 12:00 noon on 12/28/70 to 3:54 p.m. on 12/28/70
Remarks: [ ] Indicates average for period.
( ) Indicates evaporation losses and the annual total includes 48.5 siltation losses.
A revised survey in February 1971 following the earthquake showed the capacity at spillway to be 3911.8 acre-feet.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PACOIMA DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN

DRAINAGE AREA 28.2 SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.,
at SPILLWAY ELEVATION [illegible] FT.,
as of October 1971

Day	OCTOBER [redacted]	Acre-Ft. Storage	CFS Inflow	CFS	NOVEMBER Height	Acre-Ft. Storage	CFS Inflow	Outflow	DECEMBER Height	Acre-Ft. Storage	CFS Inflow		[redacted] Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1759.0	0	1.0	1.0	1759.6	.3	.7	.7	1796.6	31.9	.5	0	1848.5	402.7	6.9	0	1
2	1759.0	0	1.0	1.0	1775.7	1.8	1.6	.7	1797.1	33.1	.5	0	1849.7	418.2	6.9	0	2
3	1759.0	0	1.0	1.0	1779.8	5.7	2.1	.1	1797.4	33.9	.5	0	1850.8	432.7	6.9	0	3
4	1759.0	0	1.0	1.0	1780.6	6.3	.4	.1	1797.8	34.9	.5	0	1851.8	446.3	6.9	0	4
5	1759.0	0	1.0	1.0	1781.3	6.8	.4	.1	1798.1	35.7	.6	0	1852.6	457.5	6.9	0	5
6	1759.0	0	1.0	1.0	1781.8	7.2	.4	.1	1798.5	36.8	.6	0	1853.4	468.8	5.2	0	6
7	1759.0	0	1.0	1.0	1782.4	7.7	.4	.1	1798.9	37.9	.6	0	1854.2	480.3	5.1	0	7
8	1759.0	0	1.0	1.0	1783.0	8.3	.4	.1	1799.3	39.0	.6	0	1854.8	489.0	5.1	0	8
9	1759.0	0	1.0	1.0	1783.6	8.9	.4	.1	1799.8	40.4	.6	0	1855.5	499.5	5.1	0	9
10	1759.0	0	1.0	1.0	1784.2	9.2	.5	.1	1800.2	41.6	.6	0	1855.8	504.0	5.1	1.6	10
11	1759.0	0	1.0	1.0	1784.8	10.3	.5	.1	1800.6	42.8	.6	0	1855.9	505.5	4.0	3.4	11
12	1759.0	0	1.0	1.0	1785.4	11.1	.5	.1	1801.0	44.0	.6	0	1855.9	505.5	4.0	3.4	12
13	1759.0	0	1.0	1.0	1786.0	11.9	.5	.1	1801.3	45.0	.6	0	1855.9	505.5	4.0	3.5	13
14	1759.0	0	1.0	1.0	1786.6	12.8	.5	.1	1801.7	46.3	.6	0	1855.9	505.5	4.0	3.6	14
15	1759.0	0	1.0	1.0	1787.2	13.7	.5	.1	1802.0	47.2	.6	0	1855.8	504.0	4.0	3.6	15
16	1759.0	0	1.0	1.0	1787.8	14.6	.5	0	1802.3	48.5	.6	0	1855.7	502.5	4.0	3.6	16
17	1759.0	0	1.0	1.0	1788.4	15.5	.5	0	1802.7	49.5	.6	0	1855.7	502.5	3.9	3.6	17
18	1759.0	0	1.0	1.0	1789.0	16.5	.5	0	1803.0	50.5	.6	0	1855.0	492.0	3.9	8.6	18
19	1759.0	0	1.0	1.0	1789.6	17.5	.5	0	1803.3	[illegible]	.6	0	1854.1	478.8	3.9	13.0	19
20	1759.0	0	1.0	1.0	1790.2	18.5	.6	0	1803.6	52.6	.6	0	1853.1	464.5	3.9	12.3	20
21	1759.0	0	1.0	1.0	1790.8	19.6	.6	0	1804.0	54.0	.6	0	1852.4	454.7	2.4	9.7	21
22	1759.0	0	1.0	1.0	1791.4	20.7	.6	0	1804.3	55.1	.6	0	1851.8	446.3	2.4	7.4	22
23	1759.0	0	1.0	1.0	1792.0	21.9	.6	0	1804.8	56.9	.9	0	1851.2	438.1	2.4	7.4	23
24	1759.0	0	1.0	1.0	1792.6	23.0	.6	0	1809.9	79.4	10.9	0	1851.1	436.8	2.4	3.3	24
25	1759.0	0	1.0	1.0	1793.2	24.2	.6	0	1818.6	136.9	24.5	0	1850.3	426.1	2.4	9.1	25
26	1759.0	0	1.0	1.0	1793.8	25.5	.6	0	1828.7	199.2	36.5	0	1848.5	402.7	2.4	15.8	26
27	1759.0	0	1.0	1.0	1794.4	26.8	.6	0	1835.3	259.5	30.4	0	1847.5	390.2	2.4	8.8	27
28	1759.0	0	1.0	1.0	1795.0	28.1	.6	0	1840.[illegible]	310.1	25.5	0	1846.9	382.8	2.4	3.2	28
29	1759.0	0	1.0	1.0	1795.6	29.5	.6	0	1843.5	342.6	16.4	0	1846.4	376.8	2.4	3.0	29
30	1759.0	0	1.0	1.0	1796.1	30.6	.6	0	1845.6	367.2	12.5	0	1846.4	376.8	2.4	.9	30
31	1759.0	0	1.0	1.0					1847.5	390.2	11.8	0	1846.7	380.4	2.4	.3	31
TOTAL			31.0	31.0			18.4	2.7			182.0	0			126.1	128.1	
Inf. Ac. Ft.	61.4				36.6				361.1				5[illegible]				
Outf. Ac. Ft.	61.4 + (.0)				5.4 + (.6)				[illegible] + (1.5)				54.0 + (6.0)				
Max. Mean Daily Inf.	1.0 cfs				2.1 cfs				36.5 cfs				6.[illegible] cfs				
Min. Mean Daily Inf.	1.0 cfs				.4 cfs				.5 cfs				2.4 cfs				
[redacted]	0 A.F.				30.6 A.F.				359.6 A.F.				-9.8 A.F.				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS	Gage Height	Acre-Ft. Storage	CFS Inflow		APRIL Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1847.1	385.3	2.5	.3	1838.6	198.4	1.2	.3	1831.1	219.2	.4	.3	1830.6	214.9	.3	.3	1
2	1847.3	387.8	2.5	.6	1838.8	200.0	1.2	.3	1831.1	219.2	.4	.3	1830.6	214.9	.3	.3	2
3	1847.4	389.0	2.5	1.6	1839.0	201.7	1.2	.3	1831.1	219.2	.4	.3	1830.5	214.1	.3	.3	3
4	1847.5	390.2	2.6	2.0	1829.2	203.3	1.2	.3	1831.0	218.3	.4	.3	1830.5	214.1	.3	.3	4
5	1847.6	391.5	2.6	2.7	1829.4	205.0	1.2	.3	1830.9	217.5	.4	.3	1830.4	213.3	.3	.3	5
6	1847.7	392.7	2.6	2.7	1829.5	205.8	1.0	.3	1831.0	218.3	.4	.3	1830.5	214.1	.3	.3	6
7	1847.8	393.9	2.6	1.4	1829.7	207.4	1.0	.3	1831.0	218.3	.4	.3	1830.5	214.1	.3	.3	7
8	1847.9	395.2	2.6	1.2	1829.8	208.3	1.2	.3	1831.0	218.3	.4	.3	1830.5	214.1	.3	.3	8
9	1847.9	395.2	2.6	1.8	1829.9	209.1	.9	.3	1831.1	219.2	.4	.3	1830.4	213.3	.3	.3	9
10	1848.0	396.4	2.6	2.5	1830.1	210.7	.9	.3	1831.1	219.2	.4	.3	1830.3	212.4	.3	.3	10
11	1844.2	350.7	4.0	27.0	1830.2	211.6	.3	.3	1831.1	219.2	.4	.3	1830.2	211.6	.3	.3	11
12	1838.6	[illegible]	8.0	37.0	1830.3	212.4	.7	.3	1831.0	218.3	.4	.3	1830.2	211.6	.3	.3	12
13	1827.6	190.4	4.4	54.0	1830.5	214.1	.9	.3	1830.9	217.5	.3	.3	1830.2	211.6	.3	.3	13
14	1824.0	163.2	6.3	20.9	1830.6	214.9	.5	.3	1830.9	217.5	.3	.3	1830.2	211.6	.3	.3	14
15	1823.6	160.3	2.1	3.5	1830.7	215.8	.5	.3	1831.0	218.3	.3	.3	1830.2	211.6	.3	.3	15
16	1823.4	158.9	2.4	3.1	1830.8	216.6	.5	.3	1831.0	218.3	.3	.3	1830.1	210.7	.3	.3	16
17	1823.9	162.4	2.3	.5	1830.9	217.5	.5	.3	1831.0	218.3	.3	.3	1830.1	210.7	.3	.3	17
18	1824.4	166.1	2.4	.5	1831.0	218.3	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	18
19	1824.9	169.7	2.3	.4	1831.0	218.3	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	19
20	1825.3	172.7	1.9	.3	1831.0	218.3	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	20
21	1825.8	176.5	2.2	.3	1831.0	218.3	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	21
22	1826.3	180.3	2.2	.3	1831.1	219.2	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	22
23	1826.7	183.3	1.9	.3	1831.1	219.2	.5	.3	1831.0	218.3	.3	.3	1830.0	209.9	.3	.3	23
24	1827.1	186.4	1.9	.3	1831.1		.5	.3	1830.9	217.5	.3	.3	1830.0	209.9	.3	.3	24
25	1827.4	188.8	1.6	.3	1831.1	[illegible]	.5	.3	1830.9	217.5	.3	.3	1830.0	209.9	.2	.3	25
26	1827.7	191.2	1.6	.3	1831.1	219.2	.5	.3	1830.8	216.6	.3	.3	1830.1	210.7	.2	.3	26
27	1828.0	193.6	1.6	.3	1831.1	219.2	.5	.3	1830.8	216.6	.3	.3	1830.1	210.7	.2	.3	27
28	1828.2	195.2	1.2	.3	1831.1	219.2	.5	.3	1830.8	216.6	.3	.3	1830.1	210.7	.2	.3	28
29	1828.4	196.8	1.2	.3	1831.0	218.3	.5	.3	1830.7	215.8	.3	.3	1830.1	210.7	.2	.3	29
30					1831.0	218.3	.4	.3	1830.7	215.8	.3	.3	1830.1	210.7	.2	.3	30
31					1831.0	218.3	.4	.3					1830.0	209.9	.2	.3	31
TOTAL			77.2	157.8			22.3	9.3			10.2	9.0			8.6	9.3	
Inf. Ac. Ft.	153.2				44.3				20.2				17.1				
Outf. Ac. Ft.	332.8 + (-.0)				18.4 + (4.4)				17.9 + (4.8)				18.4 + (4.6)				
Max. Mean Daily Inf.	8.0 cfs				1.2 cfs				3.4 cfs				0.3 cfs				
Min. Mean Daily Inf.	1.2 cfs				0.4 cfs				0.3 cfs				.2 cfs				
Storage Change	-183.6 A.F.				21.5 A.F.				-2.5 A.F.				-5.9 A.F.				

Day	JUNE Height	Acre-Ft. Storage	CFS Inflow		JULY	Acre-Ft. Storage	CFS Inflow		Height	Acre-Ft. Storage			SEPTEMBER Height	Acre-Ft. Storage	CFS Inflow	CFS	Day
1	1830.0	209.9	.5	.3	1830.2	211.5	.5	.3	1830.3	212.4	.5	.3	1831.0	218.3	.4	.2	1
2	1829.9	209.0	.5	.3	1830.2	211.5	.5	.3	1830.3	212.4	.5	.3	1831.1	219.1	.4	.2	2
3	1830.0	209.9	.5	.3	1830.2	212.4	.5	.3	1830.3	212.4	.5	.3	1831.1	219.1	.5	.2	3
4	1830.0	209.9	.5	.3	1830.3	212.4	.5	.3	1830.3	212.4	.5	.3	1831.2	220.0	.5	.2	4
5	1830.0	209.9	.5	.3	1830.2	211.5	.5	.9	1830.3	212.4	.5	.3	1831.1	219.1	.5	.5	5
6	1830.0	209.9	.5	.3	1830.2	211.5	.5	.3	1830.4	213.2	.5	.3	1830.8	216.6	.5	1.0	6
7	1830.0	209.9	.5	.3	1830.2	211.5	.5	.3	1830.4	213.2	.5	.3	1830.5	214.1	.5	1.5	7
8	1830.0	209.9	.4	.3	1830.3	212.4	.5	.3	1830.4	213.2	.5	.3	1830.4	213.2	.5	2.0	8
9	1830.1	210.7	.4	.3	1830.3	212.4	.5	.3	1830.4	213.2	.5	.3	1830.4	213.2	.5	2.0	9
10	1830.1	210.7	.4	.3	1830.2	211.5	.5	1.1	1830.4	213.2	.5	.3	1830.3	212.4	.5	2.0	10
11	1830.2	211.5	.4	.3	1830.1	210.7	.5	.8	1830.4	213.2	.5	.3	1830.2	211.5	.5	1.1	11
12	1830.2	211.5	.4	.3	1830.0	209.9	.5	.6	1830.4	213.2	.5	.3	1830.2	211.5	.5	.5	12
13	1830.2	211.5	.4	.3	1830.0	209.9	.5	.3	1830.4	213.2	.5	.3	1830.1	210.7	.5	.4	13
14	1830.3	212.4	.4	.3	1830.0	209.9	.5	.8	1830.4	213.2	.5	.3	1830.1	210.7	.5	.3	14
15	1830.3	212.4	.4	.3	1829.8	208.2	.6	[illegible]	1830.5	214.1	.5	.3	1830.0	209.9	.5	.3	15
16	1830.3	212.4	.4	.3	1829.9	209.0	.6	.3	1830.5	214.1	.5	.2	1830.0	209.9	.5	.3	16
17	1830.4	213.2	.4	.3	1829.9	209.0	.6	.3	1830.6	214.9	.5	.2	1830.0	209.9	.5	.3	17
18	1830.4	213.2	.4	.3	1830.0	209.9	.6	.3	1830.6	214.9	.5	.2	1830.0	209.9	.5	.3	18
19	1830.4	213.2	.4	.3	1830.0	209.9	.6	.3	1830.7	215.7	.5	.2	1830.0	209.9	.5	.2	19
20	1830.4	213.2	.4	.3	1830.0	209.9	.6	.3	1830.7	215.7	.5	.2	1830.0	209.9	.5	.2	20
21	1830.4	213.2	.4	.3	1830.0	209.9	.6	.3	1830.8	216.6	.5	.2	1830.0	209.9	.5	.2	21
22	1830.4	213.2	.4	.3	1830.1	210.7	.6	.3	1830.8	216.6	.5	.2	1830.0	209.9	.5	.2	22
23	1830.4	213.2	.4	.3	1830.1	210.7	.6	.3	1830.8	216.6	.5	.2	1830.0	209.9	.5	.2	23
24	1830.4	213.2	.4	.3	1830.1	210.7	.6	.3	1830.9	217.4	.5	.2	1830.0	209.9	.5	.2	24
25	1830.5	214.1	.4	.3	1830.1	210.7	.6	.3	1831.0	218.3	.4	.2	1830.0	209.9	.5	.2	25
26	1830.5	214.1	.4	.3	1830.2	211.5	.6	.3	1831.0	218.3	.4	.2	1830.1	210.7	.5	.2	26
27	1830.5	214.1	.4	.3	1830.2	211.5	.6	.3	1831.1	219.1	.4	.2	1830.1	210.7	.5	.2	27
28	1830.4	213.2	.4	.5	1830.2	211.5	.6	.3	1831.1	219.1	.4	.2	1830.1	210.7	.5	.2	28
29	1830.3	212.4	.4	.5	1830.2	211.5	.6	.3	1831.0	218.3	.4	.9	1830.1	210.7	.5	.2	29
30	1830.2	211.5	.4	.5	1830.3	212.4	.6	.3	1830.9	217.4	.4	.6	1830.2	211.5	.5	.2	30
31	1830.2	211.5	.4	.5	1830.3	212.4	.6	.3	1831.0	218.3	.4	.2	1830.2	211.5	.5	.2	31
TOTAL			12.8	9.6			17.2	12.9			14.8	8.8			14.8	15.7	
Inf. Ac. Ft.	25.4				34				9.4				4				
Outf. Ac. Ft.	1[illegible] + (4.8)				25.6 + (7.6)				[illegible] + ([illegible])				31.1 + (15.[illegible])				
Max. Mean Daily Inf.	.5				.5				.5				.5				
Min. Mean Daily Inf.	.4				.5				.4				.4				
Storage Change	+1.6				+.9				+5.9				-6.8				

Max. W.S. Elev. 185[illegible] [illegible] 1/13 [illegible]

Min. W.S. Elev. 1759.[illegible] Vol [illegible] Day

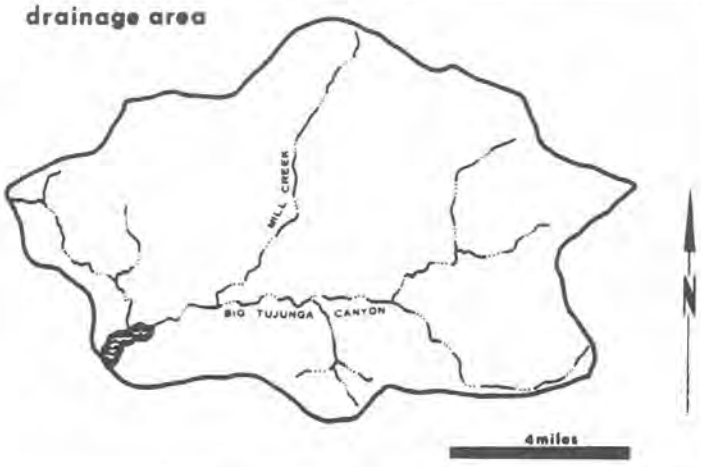
Max. Mean Inf. 91.4 CFS from 12:00 Midnite on 12/26/71 to 3:00 A.M. on 12/26/71

Max. Mean Outf. 90.0 CFS from 1:30 P.M. on 2/11/72 to 2:00 P.M. on 2/11/72

REMARKS: [ ] Indicates average for period.
( ) Indicates evaporation losses.

BIG TUJUNGA DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started January 1930 - Completed July 1931

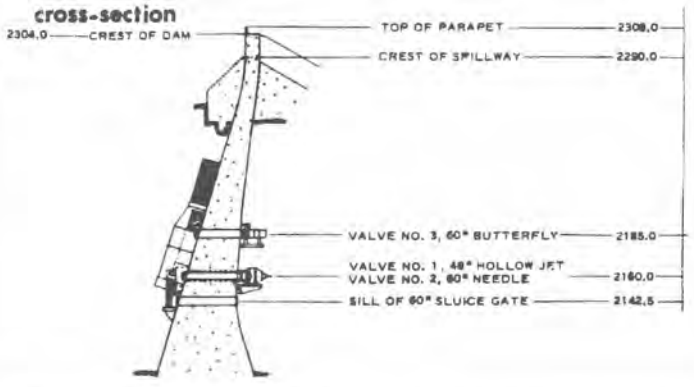
LOCATION -
Big Tujunga Canyon, 10.0 miles northeast of Sunland

DRAINAGE AREA - 82.3 square miles

CAPACITY - 6,027 acre-feet

SPILLWAY ELEVATION - 2,290.0 feet

cross-section



BIG TUJUNGA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1932-33	4342	218	0	4518			N.D.
1933-34	4441	994	0	4234	1	1	2430
1934-35	11992	380	0	10698	4	8	718
1935-36	3875	130	0	5508	2	12	312
1936-37	26969	803	0.6	25729	2	6	1740
1937-38	64855	12030	1.0	65022	3	2	32940
1938-39	9905	327	1.2	9106	12	19	666
1939-40	7058	337	0.4	7197	1	8	2300
1940-41	59402	1200	0.9	59086	3	4	1570
1941-42	7120	70	0.8	7724	12	10	134
1942-43	52877	5700	1.1	52919	1	23	17850
1943-44	42270	2780	5.0	41722	2	22	4770
1944-45	13206	475	1.2	12231	11	11	1850
1945-46	11543	1150	0.8	12383	3	30	2310
1946-47	12987	674	0.9	12827	11	13	1690
1947-48	2679	44	0.7	3579	4	29	85
1948-49	2129	16	0.1	1645	3	11	18
1949-50	2029	32	0.2	1905	2	6	43
1950-51	841	7.7	0.1	1235	4	29	17
1951-52	27288	896	0.3	26125	1	18	2030
1952-53	3496	35	0.1	4873	11	15	108
1953-54	5389	212	0.1	5290	1	25	500
1954-55	2623	30	0.2	2282	1	18	52
1955-56	3026	233	0.4	3433	1	26	582
1956-57	1967	107	0.1	1660	1	13	283
1957-58	27558	1220	0.1	27563	4	3	2860
1958-59	3405	172	0.1	3152	1	6	213
1959-60	1183	12	0.3	1653	1	12	24
1960-61	838	14	0.4	718	11	6	35
1961-62	16711	2540	0.4	16776	2	11	5050
1962-63	1715	90	0.2	1359	2	10	237
1963-64	1526	40	0	2039	1	22	90
1964-65	2429	60	0.4	1503	4	9	165
1965-66	30772	2810	0.6	29779	12	29	10800
1966-67	30158	1180	1.6	30338	12	6	2600
1967-68	10584	352	1.0	11446	11	21	725
1968-69	107609	7600	0	106482	2	25	17800
1969-70	11643	372	1.5	11624	3	1	613
1970-71	12394	1100	2.1	11412	11	29	3970
1971-72	4118	194	0.5	3374	12	24	462

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG TUJUNGA DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN

DRAINAGE AREA [illegible] SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.
@ SPILLWAY ELEVATION [illegible] FT.
as of October, 1970

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY			
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2141.0	0	3.1	3.1	2141.0	0	3.3	3.3	2226.1	1814.4	88.7	200.0	2206.8	1038.3	45.1	17.7
2	2141.0	0	2.5	2.5	2141.0	0	3.2	3.2	2221.5	1589.6	76.7	192.0	2208.5	1095.9	47.4	17.7
3	2141.0	0	2.5	2.5	2141.0	0	3.1	3.1	2215.0	1332.3	64.5	189.0	2209.5	1132.2	35.9	17.7
4	2141.0	0	2.7	2.7	2141.0	0	3.0	3.0	2209.4	1128.7	52.5	158.0	2210.4	1164.6	34.2	17.7
5	2141.0	0	2.9	2.9	2141.0	0	3.0	3.0	2204.9	971.9	44.4	35.0	2211.0	1190.1	30.8	17.7
6	2141.0	0	3.1	3.1	2141.0	0	3.1	3.1	2200.3	852.0	12.9	50.0	2211.7	1212.2	29.1	17.7
7	2141.0	0	3.2	3.2	2141.0	0	3.2	3.2	2195.6	699.6	17.4	84.0	2212.2	1230.8	27.3	17.7
8	2141.0	0	3.3	3.3	2141.0	0	3.3	3.3	2185.1	453.8	37.2	161.0	2212.6	1245.9	25.5	17.7
9	2141.0	0	3.2	3.2	2141.0	0	3.4	3.4	2169.2	199.4	53.8	182.0	2213.0	1261.0	25.4	17.7
10	2141.0	0	3.2	3.2	2141.0	0	3.5	3.5	2153.5	54.5	27.4	139.0	2213.4	1276.3	25.6	17.7
11	2141.0	0	3.1	3.1	2141.0	0	3.6	3.5	2150.1	36.8	13.6	24.0	2213.8	1291.6	25.5	17.7
12	2141.0	0	3.1	3.1	2141.0	0	3.7	3.7	2154.1	62.8	13.1	0	2214.3	1311.0	34.8	30.0
13	2141.0	0	3.0	3.0	2141.0	0	3.7	3.7	2157.6	86.2	11.9	0	2213.6	1284.0	35.4	49.0
14	2141.0	0	3.0	3.0	2141.0	0	3.7	3.7	2161.6	115.5	16.8	0	2212.8	1253.4	32.7	48.0
15	2141.0	0	2.9	2.9	2141.0	0	3.7	3.7	2164.2	141.1	12.6	0	2212.3	1234.6	37.6	47.0
16	2141.0	0	2.9	2.9	2141.0	0	3.8	3.8	2166.4	161.1	11.8	0	2211.8	1215.9	36.8	46.0
17	2141.0	0	3.0	3.0	2141.0	0	3.8	3.8	2169.5	203.7	18.2	0	2212.1	1227.1	50.3	45.0
18	2141.0	0	3.0	3.0	2141.0	0	3.8	3.8	2172.3	239.3	18.3	0	2213.3	1272.5	67.1	44.0
19	2141.0	0	3.0	3.0	2141.0	0	3.8	3.8	2176.3	297.3	29.2	0	2214.7	1326.6	70.6	43.0
20	2141.0	0	3.1	3.1	2141.0	0	3.8	3.8	2179.1	342.4	22.8	0	2215.6	1362.1	60.1	42.0
21	2141.0	0	3.1	3.1	2141.0	0	3.9	3.9	2188.2	519.4	89.3	0	2216.2	1385.0	53.2	41.0
22	2141.0	0	3.1	3.1	2141.0	0	3.9	3.9	2192.7	624.0	53.3	0	2216.5	1398.0	46.3	40.0
23	2141.0	0	3.2	3.2	2141.0	0	3.9	3.9	2195.8	704.5	40.4	0	2216.6	1402.1	41.3	39.0
24	2141.0	0	3.2	3.2	2141.0	0	3.9	3.9	2197.8	759.8	37.3	9.5	2216.5	1398.0	36.2	38.0
25	2141.0	0	3.3	3.3	2141.0	0	3.9	3.9	2198.9	791.0	33.5	17.7	2216.3	1390.0	33.2	37.0
26	2141.0	0	3.3	3.3	2141.0	0	3.9	3.9	2199.9	820.1	32.4	17.7	2216.0	1377.9	31.2	37.0
27	2141.0	0	3.3	3.3	2141.0	0	3.9	3.9	2201.2	858.9	37.3	17.7	2215.6	1362.1	29.4	37.0
28	2141.0	0	3.4	3.4	2147.4	25.6	13.8	3.9	2202.2	889.4	33.1	17.7	2215.2	1346.2	29.3	37.0
29	2141.0	0	3.4	3.4	2230.8	2040.2	1100.8	53.0	2203.1	917.4	31.9	17.7	2214.8	1330.5	25.4	36.0
30	2141.0	0	3.4	3.4	2230.7	2035.3	294.8	227.0	2204.1	949.3	33.8	17.7	2214.3	1311.0	25.6	36.0
31	2141.0	0	3.3	3.3					2205.3	988.3	37.5	17.7	2213.8	1291.6	24.5	36.0
TOTAL			94.6	94.6			1416.2	389.7			1121.8	1647.4			1157.4	997.7
Inf. Ac. Ft.	187.6				2809.1				2225.1				2295.8			
Outf. Ac. Ft.	187.6 + (.0)				772.9 + (.8)				3267.5 + (4.5)				1978.9 + (13.6)			
Max. Mean Daily Inf.	3.4 cfs				1100.8 cfs				89.3 cfs				70.6 cfs			
Min. Mean Daily Inf.	2.1 cfs				3.0 cfs				11.6 cfs				24.5 cfs			
Storage Change	0 A.F.				2035.2 A.F.				-1046.9 A.F.				303.3 A.F.			

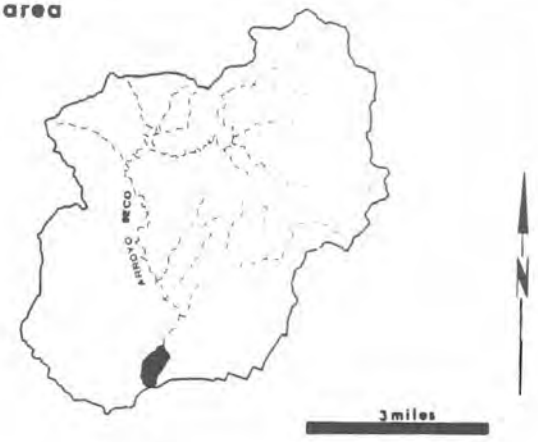
Day	FEBRUARY				MARCH				APRIL				MAY			
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2213.3	1275.5	27.6	33.0	2213.2	1268.6	19.8	35.0	2212.5	1242.1	14.2	3.6	2226.2	1819.1	12.0	4.9
2	2212.5	1245.4	21.6	31.0	2212.5	1242.1	20.0	35.0	2213.1	1264.8	14.2	3.6	2226.4	1828.4	12.0	4.9
3	2212.3	1234.6	20.7	30.0	2211.7	1212.2	17.3	35.0	2213.6	1284.0	14.1	3.6	2226.7	1842.5	12.0	4.9
4	2211.8	1215.9	20.9	30.0	2211.0	1186.4	19.2	35.0	2214.2	1307.1	14.1	3.6	2227.0	1856.5	12.0	4.9
5	2211.3	1197.4	20.8	30.0	2210.3	1161.0	19.5	35.0	2214.7	1326.6	14.1	3.6	2227.2	1866.0	12.0	6.0
6	2210.8	1179.1	19.9	29.0	2209.6	1135.8	19.7	32.0	2215.2	1346.2	14.1	3.6	2227.5	1880.2	12.0	6.6
7	2210.3	1161.0	20.2	29.0	2208.9	1110.9	19.8	32.0	2215.6	1362.1	14.1	3.6	2227.7	1889.7	12.0	6.8
8	2209.8	1142.9	20.2	29.0	2208.1	1082.9	18.2	32.0	2216.1	1381.9	14.1	3.6	2227.9	1899.2	12.0	7.0
9	2209.3	1125.1	20.2	29.0	2207.3	1055.4	18.4	32.0	2216.6	1402.1	14.1	3.6	2228.1	1908.8	12.0	7.2
10	2209.0	1114.4	24.0	29.0	2206.5	1024.9	16.8	32.0	2217.1	1422.3	14.1	3.6	2228.3	1918.4	12.0	7.5
11	2209.1	1118.0	22.1	20.0	2205.6	998.2	18.7	32.0	2217.6	1442.7	14.4	3.6	2228.5	1928.0	10.0	7.5
12	2210.1	1153.7	18.4	0	2204.8	971.9	18.9	32.0	2218.0	1459.1	14.4	3.6	2228.6	1932.8	9.9	7.5
13	2211.6	1208.5	28.1	0	2205.0	978.4	35.4	32.0	2218.4	1475.7	14.4	3.6	2228.7	1937.6	9.9	7.5
14	2212.7	1249.7	21.2	0	2204.7	968.7	27.3	32.0	2218.9	1496.4	14.4	3.6	2228.8	1942.4	9.9	7.5
15	2213.7	1287.6	19.5	0	2204.3	955.7	25.6	32.0	2219.4	1517.4	14.4	3.6	2228.9	1947.3	9.9	7.5
16	2215.1	1342.5	27.5	0	2203.8	939.7	24.1	32.0	2219.9	1538.5	14.4	3.6	2229.0	1952.1	9.9	7.5
17	2217.2	1426.3	42.5	0	2203.2	920.6	22.7	32.0	2220.5	1564.1	14.4	3.6	2229.0	1952.1	9.9	7.5
18	2218.7	1488.1	31.5	0	2202.6	901.8	22.9	32.0	2221.0	1585.6	14.4	3.6	2229.1	1956.9	9.9	7.5
19	2218.9	1496.6	28.4	24.0	2202.7	904.9	22.0	20.0	2221.5	1607.3	14.4	3.6	2229.1	1956.9	9.9	7.5
20	2218.5	1479.8	29.0	37.0	2203.6	933.3	17.9	3.3	2222.0	1629.1	14.4	3.6	2229.1	1956.9	9.9	7.5
21	2218.0	1459.1	25.7	36.0	2204.5	962.2	18.1	3.3	2222.4	1646.7	13.1	3.6	2229.2	1961.8	9.6	7.5
22	2217.5	1438.6	24.9	35.0	2205.4	991.6	18.4	3.3	2222.9	1668.8	13.1	3.6	2229.2	1961.8	9.6	7.5
23	2217.0	1418.2	24.8	35.0	2206.3	1021.5	18.5	3.3	2223.3	1686.7	13.1	3.6	2229.3	1966.7	9.5	7.5
24	2216.5	1398.0	25.1	35.0	2207.1	1048.5	17.1	3.3	2223.7	1704.6	13.1	3.6	2229.3	1966.7	9.5	7.5
25	2215.9	1374.0	22.2	34.0	2207.9	1076.0	17.3	3.3	2224.1	1722.6	13.0	3.6	2229.4	1971.5	9.5	7.5
26	2215.2	1346.2	20.5	34.0	2208.7	1103.9	17.7	3.3	2224.5	1740.8	13.0	3.6	2229.4	1971.5	9.5	7.5
27	2214.6	1322.7	22.4	34.0	2209.4	1128.7	15.2	3.3	2224.9	1759.0	13.0	3.6	2229.4	1971.5	9.5	7.5
28	2213.9	1295.5	19.4	35.0	2210.1	1153.7	15.4	3.3	2225.3	1777.4	13.0	3.6	2229.5	1976.4	9.5	7.5
29					2210.6	1171.8	12.9	3.3	2225.7	1795.9	13.0	3.6	2229.6	1981.3	9.5	7.5
30					2211.3	1197.4	16.7	3.3	2226.0	1809.7	13.0	4.3	2229.7	1986.2	9.5	7.5
31					2212.0	1223.3	16.7	3.3					2229.8	1991.0	9.5	7.5
TOTAL			685.8	658.0			609.9	637.6			415.7	108.8			323.9	218.1
Inf. Ac. Ft.	1320.3				1209.7				824.5				642.4			
Outf. Ac. Ft.	1301.1 + (15.3)				1264.6 + (17.2)				215.4 + (22.7)				432.5 + (28.3)			
Max. Mean Daily Inf.	31.3 cfs				35.4 cfs				14.5 cfs				12.0 cfs			
Min. Mean Daily Inf.	18.4 cfs				12.9 cfs				13.0 cfs				9.5 cfs			
Storage Change	3.8 A.F.				-72.1 A.F.				586.4 A.F.				181.3 A.F.			

Day	JUNE				JULY				AUGUST				SEPTEMBER			
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2229.9	1995.9	9.3	7.5	2228.3	1918.4	3.2	6.7	2221.5	1607.3	2.6	10.6	2208.3	1089.9	2.4	9.7
2	2229.9	1995.9	9.3	7.5	2228.1	1908.8	3.2	6.7	2221.1	1589.9	2.6	10.6	2207.9	1076.0	2.4	9.6
3	2230.0	2000.8	9.3	9.6	2227.9	1899.2	3.2	6.7	2220.6	1568.4	2.6	10.6	2207.4	1058.8	2.5	9.6
4	2230.0	2000.8	9.3	7.5	2227.8	1894.5	3.2	6.7	2220.2	1551.3	2.6	10.6	2207.0	1045.1	2.5	9.6
5	2230.1	2005.7	9.2	7.5	2227.6	1885.0	3.2	6.7	2219.8	1534.3	2.6	10.5	2206.5	1028.2	2.5	9.5
6	2230.1	2005.7	9.2	7.4	2227.5	1880.2	3.2	6.7	2219.3	1513.2	2.6	10.5	2206.1	1014.8	2.5	9.5
7	2230.2	2010.6	9.2	7.3	2227.3	1870.7	3.2	6.7	2218.9	1496.4	2.6	10.5	2205.7	1001.5	2.5	9.4
8	2230.1	2005.7	9.2	7.3	2227.1	1861.3	3.2	6.7	2218.5	1479.8	2.5	10.4	2205.2	985.0	2.5	9.4
9	2230.1	2005.7	9.2	7.3	2226.9	1851.8	3.2	6.7	2218.1	1463.2	2.5	10.4	2204.8	971.9	2.5	9.3
10	2230.2	2010.6	9.2	7.2	2226.7	1842.5	3.2	6.7	2217.6	1442.7	2.5	10.4	2204.3	955.7	2.5	9.3
11	2230.2	2010.6	6.5	7.2	2226.5	1833.1	3.1	6.7	2217.2	1426.3	2.5	10.4	2203.9	942.8	2.5	9.3
12	2230.3	2015.6	6.5	7.2	2226.3	1823.8	3.1	6.7	2216.8	1410.1	2.5	10.3	2203.4	927.0	2.5	9.2
13	2230.3	2015.6	6.5	7.2	2226.1	1814.4	3.1	6.7	2216.4	1394.0	2.5	10.3	2202.9	911.2	2.5	9.2
14	2230.2	2010.6	6.5	7.1	2226.1	1814.4	3.1	6.5	2216.0	1377.9	2.5	10.3	2202.5	898.7	2.5	9.2
15	2230.1	2005.7	6.5	7.1	2226.2	1819.1	3.1	0	2215.6	1362.1	2.5	10.2	2202.0	883.9	2.5	8.9
16	2230.1	2005.7	6.5	7.0	2226.3	1823.8	3.1	0	2215.2	1346.2	2.5	10.2	2201.6	871.1	2.5	8.9
17	2230.0	2000.8	6.4	7.0	2226.4	1828.4	3.0	0	2214.8	1330.5	2.5	10.2	2201.1	855.9	2.5	8.9
18	2229.9	1995.9	6.4	7.0	2226.5	1833.1	3.0	0	2214.4	1314.9	2.5	10.2	2200.6	840.9	2.5	8.9
19	2229.8	1991.0	6.4	7.0	2226.3	1823.8	2.8	6.7	2214.0	1299.3	2.5	10.2	2200.2	829.0	2.5	8.9
20	2229.7	1986.2	6.4	7.0	2226.0	1809.7	2.8	10.8	2213.6	1284.0	2.5	10.1	2199.8	817.2	2.5	8.9
21	2229.6	1981.3	4.3	6.9	2225.6	1791.3	2.8	10.8	2213.1	1264.8	2.5	10.1	2199.3	802.6	2.5	8.8
22	2229.5	1976.4	4.3	6.9	2225.3	1777.4	2.8	10.8	2212.6	1245.9	2.5	10.1	2198.9	791.0	2.5	8.8
23	2229.4	1971.5	4.2	6.9	2224.9	1759.0	2.8	10.8	2212.2	1230.8	2.5	10.0	2198.4	776.8	2.5	8.8
24	2229.2	1961.8	4.2	6.8	2224.5	1740.8	2.8	10.8	2211.7	1212.2	2.5	10.0	2198.1	768.2	2.6	5.5
25	2229.1	1956.9	4.2	6.8	2224.1	1722.6	2.8	10.6	2211.3	1197.4	2.5	10.0	2198.3	773.9	2.6	0
26	2228.9	1947.3	4.2	6.8	2223.7	1704.6	2.8	10.6	2210.9	1182.7	2.2	9.9	2198.4	776.8	2.6	0
27	2228.8	1942.4	4.2	6.7	2223.3	1686.7	2.8	10.6	2210.4	1164.6	2.2	9.9	2198.2	771.1	2.6	5.4
28	2228.6	1932.8	4.2	6.7	2222.9	1668.8	2.8	10.6	2210.1	1153.7	2.2	9.9	2197.8	759.8	2.6	8.6
29	2228.5	1928.0	4.2	6.7	2222.6	1655.6	2.8	10.6	2209.6	1135.8	2.2	9.8	2197.3	745.8	2.6	8.6
30	2228.4	1923.2	4.2	6.7	2222.2	1637.9	2.8	10.6	2209.2	1121.5	2.2	9.8	2196.9	734.7	2.6	8.6
31					2221.8	1620.4	2.7	10.6	2208.7	1103.9	2.2	9.7				
TOTAL			199.2	215.0			92.9	224.5			75.5	316.7			75.5	248.1
Inf. Ac. Ft.	395.2				184.3				149.8				149.8			
Outf. Ac. Ft.	426.4 + (36.6)				445.2 + (41.8)				629.2 + (38.1)				492.0 + (26.9)			
Max. Mean Daily Inf.	9.3 cfs				3.2 cfs				2.6 cfs				2.6 cfs			
Min. Mean Daily Inf.	4.2 cfs				2.7 cfs				2.2 cfs				2.4 cfs			
Storage Change	-67.8 A.F.				-302.8 A.F.				-515.4 A.F.				-369.1 A.F.			

Max. W.S. Elev.	2232.2	Date	on 11/30/70		Storage 2110.0		Acre-Feet	
Min. W.S. Elev.	2141.0	Date	on various days		Storage 0		Acre-Feet	
Max. Peak Inf.	3970.0	CFS from	2:00 p.m.	on 11/29/70	to 3:00 p.m.		on 11/29/70	
Max. Peak Outf.	311.0	CFS from	8:24 a.m.	on 12/8/70	to 12:15 p.m.		on 12/8/70	
Comments	[Indicates average for period.							
	( ) Indicates evaporation losses.							

DEVIL'S GATE DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started May 1919 - completed June 1920

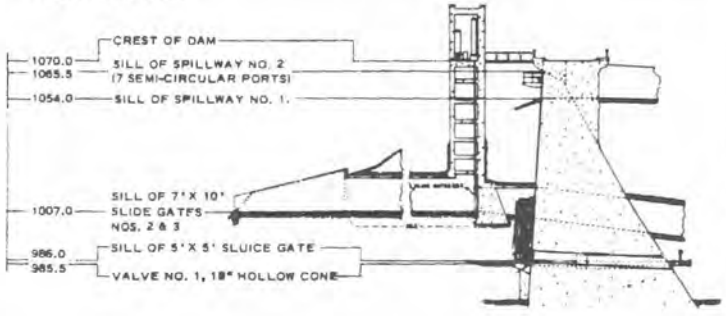
LOCATION -
On Arroyo Seco, northwest of Pasadena

DRAINAGE AREA - 31.9 square miles

CAPACITY - 1,928 acre-feet

SPILLWAY ELEVATION - 1,054.0 feet

cross-section



DEVILS GATE DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1933-34	2938	757	0	0	1	1	3310
1934-35	3843	N.D.	0	N.D.	10	17	1310
1935-36	3457	N.D.	0	86	2	2	939
1936-37	12030	340	0	2818	2	6	852
1937-38	25436	3720	0	17496	3	2	10840
1938-39	3044	200	0	634	12	19	201
1939-40	1350	142	0	745	1	8	859
1940-41	27013	1380	0	24582	2	20	3870
1941-42	689	91	0	443	12	10	479
1942-43	25655	2560	0	23552	1	23	7740
1943-44	8680	1450	0	7905	2	22	2310
1944-45	2341	288	0	2031	11	11	949
1945-46	2994	435	0	1343	12	22	1040
1946-47	4045	285	0	3949	12	25	1280
1947-48	260	32	0	57	3	24	444
1948-49	185	14	0	37	3	10	59
1949-50	318	37	0	81	2	6	237
1950-51	171	18	0	17	1	11	468
1951-52	11508	792	0	11377	1	16	2650
1952-53	563	51	0	194	11	15	823
1953-54	1324	178	0	488	1	25	565
1954-55	651	50	0	154	1	18	334
1955-56	2229	591	0	1339	1	26	1420
1956-57	926	111	0	142	2	23	795
1957-58	9642	447	0	6508	4	3	1020
1958-59	1055	160	0	465	1	6	1280
1959-60	1052	40	0	131	1	11	329
1960-61	1035	131	0	488	11	6	1260
1961-62	7014	970	0	5260	2	11	1840
1962-63	1215	289	0	251	2	9	1290
1963-64	860	81	0	170	1	21	727
1964-65	1721	170	0	246	4	9	755
1965-66	15667	1340	0	13199	11	22	3740
1966-67	16391	934	0	6057	12	6	2130
1967-68	6858	698	0	2233	11	19	1310
1968-69	44817	4220	0	39164	1	25	7910
1969-70	2109	202	0	1311	3	4	534
1970-71	3098	682	0	1894	11	29	1760
1971-72	798	152	0	+	12	24	433

N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

DEVIL'S GATE DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 31.9 SQ. MI.
CAPACITY OF RESERVOIR 2003.3 AC. FT.,
@ SPILLWAY ELEVATION 1064.0 FT.,
as of November, 19 69

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0	995.0	+	[0.1	+	1037.6	551.8	19.0	192.0	1043.4	934.5	0.0	.5	1
2			0	0	995.0	+	0.1	+	1035.2	430.8	41.4	99.0	1043.3	926.6	0.0	.5	2
3			0	0	995.0	+	0.2	+	1035.6	449.8	15.2	5.6	1043.1	910.9	0	.5	3
4			0	0	995.0	+	0.2	+	1035.8	459.3	6.8	1.0	1042.9	895.5	0	.5	4
5			0	0	995.0	+	0.2	+	1035.8	459.3	2.0	1.0	1042.7	880.7	0	.5	5
6			0	0	1003.6	1.3	0.2	+	1035.8	459.3	2.0	1.0	1042.6	873.2	0	.5	6
7			0	0	1003.3	1.2	0.2	+	1035.9	464.0	2.5	.1	1042.4	858.3	0	.5	7
8			0	0	1003.0	1.1	0.2	+	1036.0	468.7	2.6	.1	1042.2	843.5	0	.5	8
9			0	0	1002.7	1.0	0.2	+	1036.6	499.1	15.9	.1	1042.1	836.0	0	.5	9
10			0	0	1002.5	1.0	0.2	.1	1036.5	494.0	1.0	.1	1041.9	821.6	0	.5	10
11			0	0	1002.3	.9	0.2	.1	1036.[illegible]	494.0	0.6	.1	1041.8	814.6	0	.5	11
12			0	0	1002.0	.8	0.2	.1	1036.[illegible]	494.0	0.6	.1	1042.5	865.8	33.3	.5	12
13			0	0	1001.8	.8	0.2	.1	1037.[illegible]	530.2	14.9	.1	1042.5	865.8	7.5	.5	13
14		NO STORAGE	0	0	1001.6	.7	0.2	.1	1037.[illegible]	535.6	3.3	.1	1042.4	858.3	4.5	.5	14
15			0	0	1001.5	.7	0.2	.1	1037.4	541.0	3.3	.1	1042.4	858.3	3.0	.5	15
16			0	0	1001.3	.7	0.2	.1	1036.3	483.9	1.2	20.0	1042.3	850.9	0	.5	16
17			0	0	1001.2	.7	0.2	.1	1035.0	421.3	12.3	41.0	1042.1	836.0	0	.5	17
18			0	0	1001.0	.6	0.2	.1	1039.5	662.0	130.8	5.4	1041.9	821.6	0	.5	18
19			0	0	1000.8	.6	0.2	.1	1038.9	625.5	29.3	44.0	1041.8	814.6	0	.5	19
20			0	0	1000.7	.6	0.2	.1	1039.5	662.0	31.5	4.0	1041.6	800.6	0	.5	20
21			0	0	1000.6	.5	0.2	.1	1043.6	950.2	20.1	56.0	1041.5	793.6	0	.5	21
22			0	0	1000.4	.5	0.2	.1	1044.3	1006.8	35.3	5.0	1041.3	779.5	0	.5	22
23			0	0	1000.3	.5	0.2	.1	1044.5	1023.2	13.4	.1	1041.2	772.5	0	.5	23
24			0	0	1000.2	.5	0.2	.1	1044.6	1031.5	9.2	.1	1041.0	758.5	0	.5	24
25			0	0	1005.4	1.9	0.2	.1	1044.5	1023.2	.8	.1	1040.8	745.4	0	.5	25
26			0	0	1007.6	2.7	0.2	.1	1044.4	1014.9	0	.1	1040.7	738.8	0	.5	26
27			0	0	1007.0	2.5	0.2	.1	1044.3	1006.6	0	.1	1040.5	725.7	0	.5	27
28			0	0	1026.0	103.2	52.2	.1	1044.2	998.3	0	.1	1040.4	719.1	0	.5	28
29			0	0	1046.3	1179.5	682.0	134.0	1044.0	981.7	0	.1	1040.2	706.0	0	.5	29
30			0	0	1043.1	910.9	34.2	165.0	1043.8	965.9	0	.1	1040.1	699.4	0	.5	30
31			0	0					1043.6	950.2	0	.1	1039.9	686.7	0	.5	31
TOTAL			0				773.6	300.9			508.2	476.8			47.3	15.5	
Inf. Ac. Ft.			0				1534.4				1206.3				93.8		
Outf. Ac. Ft.			0				596.8 + (26.8)				945.7 + (221.4)				30.7 + (326.7)		
Max. Mean Daily Inf.			0				682.0 cfs				206.1 cfs				33.3 cfs		
Min. Mean Daily Inf.			0				0.1 cfs				0 cfs				0 cfs		
Storage Change			0				910.8 A.F.				39.3 A.F.				-263.5 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1039.7	674.4	0	2.9	1038.8	619.7	0	.5	1036.7	504.2	0	.5	1033.7	364.4	0	.5	1
2	1039.6	668.2	0	2.9	1038.6	608.1	0	.5	1036.6	499.1	0	.5	1033.6	360.2	0	.5	2
3	1039.5	662.0	0	3.0	1038.5	602.3	0	.5	1036.4	489.0	0	.5	1033.5	356.0	0	.5	3
4	1039.4	655.9	0	3.0	1038.4	596.6	0	.5	1036.3	483.9	0	.5	1033.4	351.9	0	.5	4
5	1039.3	649.7	0	3.0	1038.3	590.8	0	.5	1036.2	478.9	0	.5	1033.3	347.7	0	.5	5
6	1039.2	643.6	0	3.1	1038.1	579.2	0	.5	1036.1	473.8	0	.5	1033.6	360.2	8.4	.5	6
7	1039.0	631.2	0	3.1	1038.0	573.4	0	.5	1035.9	464.0	0	.5	1033.5	356.0	0	.5	7
8	1038.9	625.5	0	0	1037.8	[illegible]2.6	0	.5	1035.8	459.3	0	.5	1033.4	351.9	0	.5	8
9	1038.8	619.7	0	0	1037.7	557.2	0	.5	1035.7	454.5	0	.5	1033.3	347.7	0	.5	9
10	1038.8	619.7	0	0	1037.6	551.8	0	.5	1035.5	445.0	0	.5	1033.2	343.5	0	.5	10
11	1038.8	619.7	0	0	1037.5	546.4	0	.5	1035.4	440.3	0	.5	1033.1	339.4	0	.5	11
12	1038.8	619.7	0	0	1037.4	541.0	0	.5	1035.3	435.6	0	.5	1033.0	335.2	0	.5	12
13	1038.7	613.9	0	0	1039.2	643.6	54.4	.5	1035.2	430.8	0	.5	1032.9	331.3	0	.5	13
14	1038.7	613.9	0	0	1039.1	637.4	0	.5	1035.3	435.6	4.7	.5	1032.8	327.3	0	.5	14
15	1038.7	613.9	0	0	1038.9	625.5	0	.5	1035.2	430.8	0	.5	1032.7	323.4	0	.5	15
16	1039.2	643.6	20.9	5.0	1038.8	619.7	0	.5	1035.1	426.1	0	.5	1032.5	315.6	0	.5	16
17	1040.3	712.5	39.8	4.0	1038.7	613.9	0	.5	1035.1	426.1	0	.5	1032.4	311.7	0	.5	17
18	1040.2	706.0	4.1	3.5	1038.6	608.1	0	.5	1035.0	421.3	0	.5	1032.2	303.8	0	.5	18
19	1040.0	692.8	0.6	3.2	1038.4	596.6	0	.5	1034.9	416.9	0	.5	1032.1	299.9	0	.5	19
20	1039.9	686.7	0	.5	1038.3	590.8	0	.5	1034.8	412.4	0	.5	1032.0	296.0	0	.5	20
21	1039.8	680.5	0	.5	1038.2	585.0	0	.5	1034.7	408.0	0	.5	1031.9	292.3	0	.5	21
22	1039.7	674.4	0	.5	1038.1	579.2	0	.5	1034.6	403.6	0	.5	1031.7	284.9	0	.5	22
23	1039.6	668.2	0	.5	1038.0	573.4	0	.5	1034.5	399.1	0	.5	1031.6	281.2	0	.5	23
24	1039.5	662.0	0	.5	1037.8	562.6	0	.5	1034.4	394.7	0	.5	1031.5	277.5	0	.5	24
25	1039.3	649.7	0	.5	1037.7	557.2	0	.5	1034.3	390.2	0	.5	1031.4	273.8	0	.5	25
26	1039.2	643.6	0	.5	1037.5	546.4	0	.5	1034.2	385.8	0	.5	1031.3	270.2	0	.5	26
27	1039.1	637.4	0	.5	1037.4	541.0	0	.5	1034.1	381.3	0	.5	1031.2	266.5	0	.5	27
28	1039.0	631.2	0	.5	1037.3	535.6	0	.5	1034.0	376.9	0	.5	1031.1	262.8	0	.5	28
29					1037.2	530.2	0	.5	1033.9	372.7	0	.5	1031.0	259.1	0	.5	29
30					1037.1	524.7	0	.5	1033.8	3[illegible].5	0	.5	1030.9	255.6	0	.5	30
31					1036.9	514.3	0	.5					1030.8	252.1	0	.5	31
TOTAL			65.4	41.2			54.4	15.5			4.7	15.0			8.4	15.5	
Inf. Ac. Ft.			129.7				107.9				9.3				16.6		
Outf. Ac. Ft.			81.7 + (103.5)				30.7 + (194.0)				29.8 + (125.4)				30.7 + (102.2)		
Max. Mean Daily Inf.			39.8 cfs				54.4 cfs				4.7 cfs				8.4 cfs		
Min. Mean Daily Inf.			0 cfs				0 cfs				0 cfs				0 cfs		
Storage Change			-55.4 A.F.				-116.9 A.F.				-145.7 A.F.				-116.4 A.F.		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1030.7	248.6	0	+	1019.9	18.0	0	14.0			0	0			0	0	1
2	1030.6	245.1	0	+	995.0	0	0	9.1			•	0			0	0	2
3	1030.5	241.7	0	+	995.0	0	0	0			0	0			0	0	3
4	1030.3	234.7	0	+	995.0	0	0	0			0	0			0	0	4
5	1030.2	231.2	0	+	995.0	0	0	0			0	0			0	0	5
6	1030.1	227.7	0	+	[illegible]	0	0	0			0	0			0	0	6
7	1030.0	224.2	0	+	[illegible]	0	0	0			0	0			0	0	7
8	1029.9	220.9	0	+	[illegible]	0	0	0			0	0			0	•	8
9	1029.8	217.6	0	+	995.0	0	0	0			0	0			0	0	9
10	1029.7	214.3	0	+	995.0	0	0	0			•	0			0	0	10
11	1029.6	211.0	0	+	995.0	0	0	0			0	0			0	0	11
12	1029.5	207.7	0	+	995.0	0	0	0			0	0			0	•	12
13	1029.4	204.4	0	+	995.0	0	0	0			0	0			•	0	13
14	1029.3	201.1	0	+	995.0	0	0	0			0	0			0	0	14
15	1029.2	197.8	0	+	995.0	0	0	0			0	0			0	0	15
16	1029.1	194.5	0	+	995.0	0	0	0		NO STORAGE	0	0		NO STORAGE	0	0	16
17	1029.0	191.2	0	+	995.0	0	0	0			0	0			0	0	17
18	1028.9	188.1	0	+	995.0	0	0	0			0	0			0	0	18
19	1028.7	181.9	0	+	995.0	0	0	0			0	0			•	0	19
20	1028.6	178.8	0	+	995.0	0	0	0			0	0			0	0	20
21	1028.5	175.6	0	+	995.0	0	0	0			0	0			0	0	21
22	1028.4	172.5	0	+	995.0	0	0	0			0	0			0	0	22
23	1028.3	169.4	0	+	995.0	0	0	0			0	0			0	0	23
24	1028.2	166.3	0	+	995.0	0	0	0			0	0			0	0	24
25	1028.0	160.0	0	+	995.0	0	0	0			0	0			0	0	25
26	1027.9	157.1	0	+	995.0	0	0	0			0	0			0	0	26
27	1027.8	154.2	0	+	995.0	0	0	0			0	0			0	0	27
28	1027.0	130.6	0	10.5	995.0	0	0	0			0	0			0	•	28
29	1025.6	93.2	0	17.9	995.0	0	0	0			0	0			0	0	29
30	1023.3	46.2	0	23.0	995.0	0	0	0			0	0			0	0	30
31					995.0	0	0	0			0	0					31
TOTAL			0	51.4			0	23.1			0				0		
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			101.9 + (103.8)				45.8 + (.4)				0				0		
Max. Mean Daily Inf.			0 cfs				0 cfs				0				0		
Min. Mean Daily Inf.			0 cfs				0 cfs				0				0		
Storage Change			-205.9 A.F.				-46.1 A.F.			0	0			0	0		

Max. W.S. Elev. 1046.8 feet on 11/29/70 Storage 1225.2 Acre-Feet

Min. W.S. Elev. 995.0 feet on various days Storage 0 Acre-Feet

Max. Peak Inf. 1762.0 CFS from 10:00 a.m. on 11/29/70 to 12:30 noon on 11/29/70

Max. Peak Outf. 328.0 CFS from 5:48 p.m. on 11/29/70 to 9:39 p.m. on 11/29/70

REMARKS: [Indicates average for period.
( ) Indicates percolation losses.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

DEVIL'S GATE DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 31.9 SQ. MI.
CAPACITY OF RESERVOIR 1,958.3 AC. FT.,
at SPILLWAY ELEVATION 1,064.0 FT.,
as of December, 1971

Day	OCTOBER				NOVEMBER				DECEMBER			JANUARY			[redacted]
	[redacted]	[redacted]	[redacted]	CFS Outflow	Ht.	[redacted]	CFS Inflow	[redacted]	Gage Height	[redacted]	Outflow	Height	[redacted]	CFS Outflow	
1	[redacted]	0	0	0	1014.0	0	0	0	[redacted]	.6 0	0	1041.5	691.4 0	+	1
2	1014.0	0	0	0	1014.0	0	0	0	1015.6	1.5 .5	0	1041.4	684.3 0	+	2
3	[redacted]	0	0	0	[redacted]	[redacted]	0	[redacted]	1015.5	1.3 0	0	1041.2	669.9 0	+	3
4	[redacted]	0	0	0	[redacted]	[redacted]	0	[redacted]	1015.3	1.0 0	0	1041.0	655.6 0	+	4
5	1014.0	0	0	0	[redacted]	0	0	0	1015.1	.8 0	0	1040.9	649.0 0	+	5
6	[redacted]	0	0	0	1014.0	0	0	0	1015.0	[redacted] 0	0	1040.8	642.4 0	+	[redacted]
7	[redacted]	0	0	0	[redacted]	0	0	0	[redacted]	.6 0	0	[redacted]	629.2 [redacted]	+	7
[redacted]	[redacted]	0	0	0	[redacted]	0	0	0	1014.7	.4 0	0	[redacted]	622.6 0	+	[redacted]
[redacted]	[redacted]	0	0	0	[redacted]	0	0	0	[redacted]	.3 0	0	[redacted]	[redacted]	+	[redacted]
10	1014.0	0	0	0	[redacted]	0	0	0	1014.3	.2 0	0	1040.2	602.9 0	+	[redacted]
11	1014.0	0	0	0	[redacted]	0	0	0	[redacted]	.1 [redacted]	0	1040.0	589.7 0	+	11
12	1014.0	0	0	0	[redacted]	9.2	4.9	0	[redacted]	.0 0	0	1039.9	583.8 [redacted]	+	12
13	1014.0	0	0	0	1018.5	7.1	0	0	1014.5	.3 .2	0	1039.8	57[illegible].0 0	+	13
14	1014.0	0	0	0	101[illegible].1	7.3	0	0	1014.3	.2 0	0	[redacted]	572.1 0	+	14
15	1014.0	0	0	0	1017.7	5.1	0	0	1014.2	.1 0	0	1039.5	560.4 0	+	15
16	1014.0	0	0	0	1017.4	4.5	0	0	1014.0	0 [redacted]	0	103[illegible].4	554.5 0	+	16
17	1014.0	0	0	0	1017.2	4.1	0	0	[redacted]	0 [redacted]	0	103[illegible].3	548.7 0	+	17
18	1014.0	0	0	0	1017.0	3.7	0	0	1014.0	0 0	0	103[illegible].1	536.9 0	+	18
19	1014.0	0	0	0	101[illegible]	3.5	0	0	1014.0	0 0	0	103[illegible].0	531.1 0	+	19
20	1014.0	0	0	0	101[illegible].7	3.2	0	0	1014.0	0 0	0	103[illegible].9	52[illegible].0 0	+	20
21	1014.[illegible]	0	0	0	1016.5	2.8	0	0	1014.0	0 0	0	103[illegible].8	520.[illegible] 0	+	21
22	[illegible]4.0	0	0	0	1016.3	2.5	0	0	1024.0	53.7 28.1	+	103[illegible].7	515.8 0	+	22
23	[illegible]4	0	0	0	1016.1	2.2	0	0	1023.[illegible]	50.5 0	+	1038.5	505.6 0	+	23
24	101[illegible].3	6.5	3.5	0	1015.9	1.9	0	0	1034.[illegible]	348.5 152.2	+	103[illegible].4	500.5 0	+	24
25	101[illegible].2	2.4	0	0	101[illegible].8	1.7	0	0	1038.7	515.5 87.6	+	103[illegible].3	495.5 0	+	25
26	1015.[illegible]	1.7	0	0	1015.5	1.5	0	0	1039.2	542.8 17.5	+	103[illegible].2	490.4 0	+	26
27	101[illegible].5	1.3	0	0	1015.4	1.2	0	0	1041.3	677.1 71.8	+	103[illegible].1	485.3 0	+	27
28	1015.1	.8	0	0	1015.3	1.0	0	0	1042.1	734.9 33.6	+	103[illegible].0	480.2 0	+	28
29	1014.[illegible]	.5	0	0	1015.1	.8	0	0	1042.0	727.2 .7	+	1037.8	471.3 0	+	29
30	1014.5	.3	0	0	1015.0	.6	0	0	1041.[illegible]	720.1 0	+	103[illegible]	4[illegible].9 0	+	30
31	1014.0	0	0	0					1041.7	705.0 0	+	103[illegible]	462.5 0	+	31
TOTAL			3.5	0			4.9	0		392.2	+		0	+	
Inf. Ac. Ft.		[illegible]				9.7				777.9					
Outf. Ac. Ft.		0 + (9)				0 + (9.1)				+ + (72.8)			+ + (243.3)		
Max. Mean Daily Inf.		3.5 cfs				4.9 cfs				152.2 cfs			0 cfs		
Min. Mean Daily Inf.		0 cfs				0 cfs				0 cfs			0 cfs		
Storage Change		0 A.F.				.6 A.F.				705 [illegible] A.F.			-243.3 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1037.5	458.0	0	+	1034.5	345.2	0	+	1031.[illegible]	[illegible]	0	+	1028.0	153.0	0	+	1
2	1037.4	453.6	0	+	1034.4	342.0	0	+	1031.0	238.4	0	+	1027.8	147.5	0	+	2
3	1037.3	449.2	0	+	1034.3	338.7	0	+	1030.9	235.5	0	+	1027.7	144.8	0	+	3
4	1037.2	444.7	0	+	1034.2	335.4	0	+	1030.8	232.6	0	+	1027.6	142.1	0	+	4
5	1037.1	440.3	0	+	1034.1	332.2	0	+	1030.7	229.7	0	+	1027.5	139.3	0	+	5
6	1037.0	435.9	0	+	1034.0	328.9	0	+	1030.6	226.8	0	+	1027.4	136.6	0	+	6
7	1036.9	432.0	0	+	1033.9	325.8	0	+	1030.5	223.9	0	+	1027.3	133.8	0	+	7
8	1036.8	428.1	0	+	1033.7	319.6	0	+	1030.4	221.0	0	+	1027.2	131.1	0	+	8
9	1036.6	420.3	0	+	1033.6	316.5	0	+	1030.3	218.2	0	+	1027.0	125.6	0	+	9
10	1036.5	416.4	0	+	1033.4	310.3	0	+	1030.2	215.3	0	+	1026.9	122.9	0	+	10
11	1036.4	412.5	0	+	1033.3	307.1	0	+	1030.1	212.4	0	+	1026.9	122.9	0	+	11
12	1036.3	408.5	0	+	1033.2	304.0	0	+	1030.0	209.5	0	+	1026.7	117.6	0	+	12
13	1036.2	404.6	0	+	1033.1	300.9	0	+	1029.8	203.8	0	+	1026.6	115.0	0	+	13
14	1036.1	400.7	0	+	1033.0	297.8	0	+	1029.7	200.9	0	+	1026.5	112.4	0	+	14
15	1036.0	396.8	0	+	1032.9	294.8	0	+	1029.6	198.1	0	+	1026.4	109.7	0	+	15
16	1035.9	393.3	0	+	1032.8	291.8	0	+	1029.5	195.3	0	+	1026.3	107.1	0	+	16
17	1035.8	389.8	0	+	1032.7	288.8	0	+	1029.4	192.4	0	+	1026.2	104.4	0	+	17
18	1035.7	386.3	0	+	1032.6	285.8	0	+	1029.4	192.4	0	+	1026.1	101.8	0	+	18
19	1035.6	382.7	0	+	1032.5	282.8	0	+	1029.3	189.6	0	+	1026.1	101.8	0	+	19
20	1035.5	379.2	0	+	1032.4	279.8	0	+	1029.2	186.7	0	+	1026.0	99.1	0	+	20
21	1035.4	375.7	0	+	1032.3	276.8	0	+	1029.1	183.9	0	+	1025.9	96.7	0	+	21
22	1035.3	372.2	0	+	1032.2	273.8	0	+	1029.0	181.0	0	+	1025.8	94.2	0	+	22
23	1035.2	368.6	0	+	1032.1	270.8	0	+	1028.9	178.2	0	+	1025.7	91.8	0	+	23
24	1035.1	365.1	0	+	1032.0	267.8	0	+	1028.8	175.4	0	+	1025.6	89.3	0	+	24
25	1035.0	361.6	0	+	1031.9	264.8	0	+	1028.7	172.6	0	+	1025.5	86.8	0	+	25
26	1034.9	358.3	0	+	1031.8	261.9	0	+	1028.6	169.8	0	+	1025.4	84.4	0	+	26
27	1034.8	355.0	0	+	1031.6	256.0	0	+	1028.4	164.2	0	+	1025.3	81.9	0	+	27
28	1034.7	351.8	0	+	1031.5	253.1	0	+	1028.3	161.4	0	+	1025.2	79.5	0	+	28
29	1034.6	348.5	0	+	1031.4	250.1	0	+	1028.2	158.6	0	+	1025.1	77.0	0	+	29
30					1031.2	244.3	0	+	1028.1	155.8	0	+	1025.0	74.5	0	+	30
31					1031.1	241.3	0	+					1024.9	72.4	0	+	31
TOTAL			0	+			0	+			0	+			0	+	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			+ + (114.0)				+ + (107.2)				+ + (85.5)				+ + (83.3)		
Max. Mean Daily Inf.			0 cfs				0 cfs				0 cfs				0 cfs		
Min. Mean Daily Inf.			0 cfs				0 cfs				0 cfs				0 cfs		
Storage Change			-113.9 A.F.				-107.1 A.F.				-85.4 A.F.				-83.3 A.F.		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Height	Acre-Ft. Storage	CFS Inflow	CFS	Height	Acre-Ft. Storage	CFS Inflow	CFS	Gage Height	Acre-Ft. Storage	CFS Inflow		Hght	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1024.8	72.4	0	+	1022.4	30.6	0	+	1017.[illegible]	4.9	0	+		+	0	0	1
2	1024.8	72.4	0	+	1022.4	30.6	0	+	1017.4	4.5	0	+		+	0	0	2
3	1024.7	68.3	0	+	1022.4	30.6	0	+	1017.4	4.5	0	+		+	0	0	3
4	1024.[illegible]	66.2	0	+	1022.3	29.4	0	+	1017.2	4.1	0	+		+	0	0	4
5	1024.5	64.1	0	+	1022.3	29.4	0	+	1017.0	3.7	0	+		+	0	0	5
6	1024.4	62.0	0	+	1022.1	27.1	0	+	101[illegible].7	3.2	0	+		+	0	0	6
7	1024.5	64.1	1.5	+	1022.0	25.9	0	+	101[illegible].5	2.8	0	+		+	0	0	7
8	1024.5	64.1	0	+	1021.9	25.1	0	+	1016.3	2.5	0	+		+	0	0	8
9	1024.4	62.0	0	+	1021.8	24.2	0	+	[illegible]	2.2	0	+		+	0	0	9
10	1024.3	59.9	0	+	1021.7	23.4	0	+	1015.9	1.9	0	+		+	0	0	10
11	1024.2	57.9	0	+	1021.5	21.8	0	+	1015.6	1.5	0	+		+	0	0	11
12	1024.1	55.8	0	+	1021.4	21.0	0	+	1015.4	1.2	0	+		+	0	0	12
13	1024.0	53.7	0	+	1021.3	20.1	0	+	1016.1	2.2	0	+		+	0	0	13
14	1023.9	52.1	0	+	1021.1	18.5	0	+	1015.8	1.7	0	+		+	0	0	14
15	1023.8	50.5	0	+	1020.9	17.1	0	+	1015.6	1.5	0	+		+	0	0	15
16	1023.7	48.9	0	+	1020.[illegible]	16.6	0	+	1015.3	1.0	0	+		+	0	0	16
17	1023.[illegible]	47.3	0	+	1020.6	15.5	0	+	1015.1	.8	0	+		+	0	0	17
18	1023.5	45.7	0	+	1020.[illegible]	14.9	0	+	1014.8	.5	0	+		+	0	0	18
19	1023.4	44.1	0	+	1020.3	13.8	0	+	1014.5	.3	0	+		+	0	0	19
20	1023.3	42.5	0	+	1020.1	12.7	0	+	1014.2	.2	0	+		+	0	0	20
21	1023.3	42.5	0	+	[illegible]	11.8	0	+	1013.[illegible]	+	0	0		+	0	0	21
22	1023.2	40.9	0	+	1019.7	11.1	0	+	1013.8	+	0	0		+	0	0	22
23	1023.1	39.3	0	+	1019.5	10.3	0	+	1013.6	+	0	0		+	0	0	23
24	1023.0	37.7	0	+	[illegible]	9.6	0	+	1013.3	+	0	0		+	0	0	24
25	1022.9	36.5	0	+	1019.1	8.4	0	+	1013.1	+	0	0		+	0	0	25
26	1022.[illegible]	35.3	0	+	[illegible]	7.9	0	+	1013.7	+	0	0		+	0	0	26
27	1022.7	34.2	0	+	1018.6	7.3	0	+	1013.4	+	0	0		+	0	0	27
28	1022.7	34.2	0	+	[illegible]	6.8	0	+	1013.1	+	0	0		+	0	0	28
29	1022.[illegible]	33.0	0	+	1018.2	6.2	0	+	1012.[illegible]	+	0	0		+	0	0	29
30	1022.5	31.8	0	+	1017.[illegible]	5.5	0	+	1012.5	+	0	0		+	0	0	30
31					1017.8	5.3	0	+	1012.8	+	0	0		+	0	0	31
TOTAL			1.5	+			0	+			0	+			0		
Inf. Ac. Ft.			3.2												0		
Outf. Ac. Ft.			(3.[illegible])				+ + (2.5)				+ + (5.3)						
Max. Mean Daily Inf.			1.6								0						
Min. Mean Daily Inf.	[redacted]						0				0						
[redacted]			-40.6				-26.5				-5.3				0		

Max. W.S. Elev. 1042.2 feet on 12/28/71 Storage 742.5 Acre-Feet

Min. W.S. Elev. 986. + feet on Various Days Storage 0 Acre-Feet

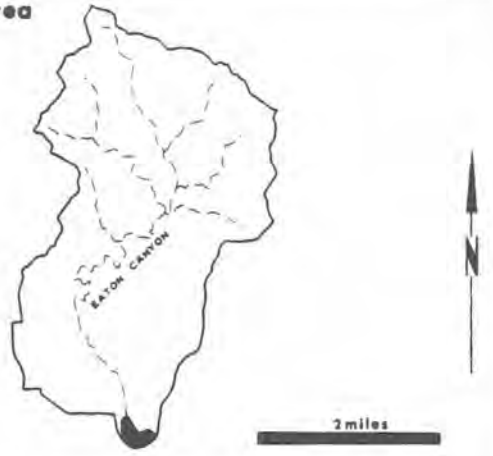
Max. Peak Inf. 433. CFS from 11:00 Noon on 12/24/71 to 7:00 P.M. on 12/24/71

Max. Peak Outf. + CFS from on Various Days on

REMARKS: ( ) Indicates percolation and other losses.

EATON WASH DAM AND RESERVOIR

drainage area



PURPOSE -
Debris Storage and Conservation

DATE CONSTRUCTED -
Started January 1936 - Completed February 1937

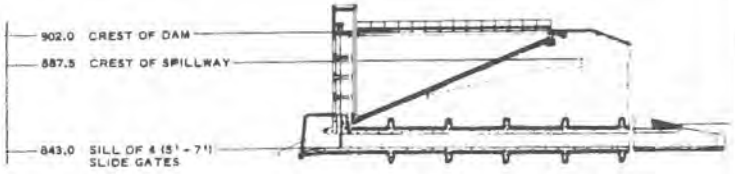
LOCATION -
Eaton Wash, northeast of Pasadena

DRAINAGE AREA - 12.4 square miles

CAPACITY - 879 acre-feet

SPILLWAY ELEVATION - 887.5 feet

cross-section



EATON DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1936-37	3062	112	0	1502			N.D.
1937-38	6993	883	0	5213	3	2	2670
1938-39	340	51	0	84	12	18	169
1939-40	390	31	0	96	1	8	220
1940-41	7323	188	0	6089	2	20	426
1941-42	78	11	0	0	12	10	73
1942-43	7212	498	0	6399	1	23	1700
1943-44	2901	265	0	1970	2	22	371
1944-45	331	52	0	101	11	11	204
1945-46	514	77	0	265	12	23	284
1946-47	746	74	0	507	11	13	286
1947-48	64	11	0	5.0	4	28	90
1948-49	36	4.7	0	1.2	1	20	10
1949-50	188	23	0	61	12	18	88
1950-51	44	3.8	0	7.5	1	11	80
1951-52	2636	151	0	2020	1	16	495
1952-53	145	18	0	0	12	1	225
1953-54	533	56	0	202	1	19	220
1954-55	146	14	0	0	1	18	91
1955-56	330	123	0	151	1	26	422
1956-57	127	20	0	9.2	2	23	138
1957-58	3114	150	0	2248	4	1	443
1958-59	301	46	0	152	1	6	702
1959-60	60	5.8	0	0	1	11	48
1960-61	61	10	0	0	1	24	39
1961-62	1729	322	0	1299	2	11	737
1962-63	177	51	0	19	2	9	198
1963-64	222	38	0	33	1	22	246
1964-65	534	49	0	328	4	9	220
1965-66	5400	415	0	4267	12	29	1520
1966-67	3856	317	0	1907	12	6	595
1967-68	1304	133	0	404	11	19	331
1968-69	20866	1110	0	18644	1	25	2500
1969-70	718	90	0	527	3	5	878
1970-71	809	178	0	581	11	29	457
1971-72	207	42	0	+	12	27	107

N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

EATON WASH DAM

1970-71

DRAINAGE AREA 17.4 SQ. MI.
CAPACITY OF RESERVOIR 878.9 AC. FT.
at SPILLWAY ELEVATION 887.8 FT.
as of December 31 69

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28	853.7	32.7	16.7	0
29	854.2	380.1	178.2	0
30	874.0	373.9	0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change		0		

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	842.0	0	0	0
2	842.0	0	0	0
3	842.0	0	0	0
4	842.0	0	0	0
5	842.0	0	0	0
6	842.0	0	0	0
7	842.0	0	0	0
8	842.0	0	0	0
9	842.0	0	0	0
10	842.0	0	0	0
11	842.0	0	0	0
12	842.0	0	0	0
13	842.0	0	0	0
14	842.0	0	0	0
15	842.0	0	0	0
16	842.0	0	0	0
17	842.0	0	0	0
18	842.0	0	0	0
19	842.0	0	0	0
20	842.0	0	0	0
21	842.0	0	0	0
22	842.0	0	0	0
23	842.0	0	0	0
24	842.0	0	0	0
25	842.0	0	0	0
26	842.0	0	0	0
27	842.0	0	0	0
28	842.0	0	0	0
29	842.0	0	0	0
30	842.0	0	0	0
TOTAL			198.9	0
Inf. Ac. Ft.			386.6	
Outf. Ac. Ft.			0 + (12.7)	
Max. Mean Daily Inf.			178.2 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			373.9 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	873.9	371.9	0	0
2	874.2	382.1	7.6	0
3	874.1	377.0	1.5	0
4	873.8	369.0	0	0
5	873.6	363.8	0	0
6	873.4	358.4	0	0
7	870.3	275.3	0	31.2
8	866.8	181.9	0	53.0
9	857.6	65.9	0	28.0
10	852.7	26.3	0	27.3
11	852.7	26.3	0	0
12	852.7	26.3	0	0
13	852.7	26.3	0	0
14	852.6	25.7	0	0
15	852.5	25.1	0	0
16	852.5	25.1	0	0
17	852.8	26.9	1.1	0
18	858.8	78.4	26.2	0
19	860.5	125.4	24.7	0
20	863.4	138.9	7.9	0
21	868.5	246.6	6.4	0
22	870.8	282.5	15.4	0
23	871.0	292.1	7.1	0
24	871.3	297.7	6.3	0
25	871.4	300.2	3.1	0
26	871.5	302.3	5.9	0
27	871.7	309.9	3.7	0
28	871.7	309.9	0	0
29	868.6	216.4	0	52.0
30	860.9	131.0	0	52.9
31	858.0	69.8	0	22.2
TOTAL			171.4	254.3
Inf. Ac. Ft.			340.0	
Outf. Ac. Ft.			524.2 + (119.8)	
Max. Mean Daily Inf.			61.4 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-304.0 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	858.1	70.9	1.0	0
2	858.3	73.1	1.6	0
3	858.3	73.1	0	0
4	858.3	73.1	0	0
5	858.3	73.1	0	0
6	858.3	73.1	0	0
7	858.3	73.1	0	0
8	858.3	73.1	0	0
9	858.3	73.1	0	0
10	858.3	73.1	0	0
11	858.3	73.1	0	0
12	858.9	74.5	1.9	0
13	859.2	82.9	2.3	0
14	859.3	84.1	1.2	0
15	859.3	84.1	0	0
16	859.3	84.1	0	0
17	859.2	82.9	0	0
18	859.2	82.9	0	0
19	859.2	82.9	0	0
20	859.1	81.7	0	0
21	859.1	81.7	0	0
22	859.1	81.7	0	0
23	859.0	80.6	0	0
24	859.0	80.6	0	0
25	858.9	80.1	0	0
26	858.9	79.5	0	0
27	858.9	79.5	0	0
28	858.8	78.4	0	0
29	858.8	78.4	0	0
30	858.8	78.4	0	0
31	858.8	78.4	0	0
TOTAL			10.0	0
Inf. Ac. Ft.			19.8	
Outf. Ac. Ft.			0 + (11.3)	
Max. Mean Daily Inf.			3.9 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			8.6 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	858.7	77.4	2	2
2	858.7	77.4	0	0
3	858.7	77.4	0	0
4	858.6	76.3	0	0
5	858.6	76.3	0	0
6	858.5	75.2	0	0
7	858.5	75.2	0	0
8	[illegible]	[illegible]	[illegible]	[illegible]
9	858.4	74.1	0	0
10	858.3	73.1	0	0
11	858.2	72.0	0	0
12	858.2	72.0	0	0
13	858.1	70.9	0	0
14	858.0	69.8	0	0
15	858.0	69.8	0	0
16	858.7	77.4	8.4	0
17	860.5	98.4	11.3	0
18	860.4	97.2	0	0
19	860.3	96.0	0	0
20	860.2	94.7	0	0
21	860.2	94.7	0	0
22	860.1	93.4	0	0
23	860.0	92.2	0	0
24	859.9	91.0	0	0
25	859.8	89.9	0	0
26	859.8	89.9	0	0
27	859.7	88.7	0	0
28	859.[illegible]	87.5	0	0
TOTAL			15.7	2
Inf. Ac. Ft.			31.1	
Outf. Ac. Ft.			0 + (22.0)	
Max. Mean Daily Inf.			11.3 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			7.1 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	859.5	86.4	0	0
2	859.4	85.3	0	0
3	859.4	85.2	0	0
4	859.3	84.1	0	0
5	859.2	82.9	0	0
6	859.1	81.7	0	0
7	859.1	81.7	0	0
8	858.9	79.5	0	0
9	858.8	78.4	0	0
10	858.8	78.4	0	0
11	858.7	77.4	0	0
12	858.7	77.4	0	0
13	859.1	81.7	13.1	0
14	859.2	82.9	1.2	0
15	860.8	102.1	0	0
16	860.7	100.9	0	0
17	860.6	99.7	0	0
18	860.5	98.4	0	0
19	860.4	97.2	0	0
20	860.4	97.2	0	0
21	860.3	95.9	0	0
22	860.2	94.7	0	0
23	860.1	93.4	0	0
24	860.1	93.4	0	0
25	860.0	92.2	0	0
26	859.9	91.0	0	0
27	859.8	89.9	0	0
28	859.7	88.7	0	0
29	859.6	87.5	0	0
30	859.5	86.4	0	0
31	859.4	85.2	0	0
TOTAL			14.3	0
Inf. Ac. Ft.			28.4	
Outf. Ac. Ft.			0 + (30.7)	
Max. Mean Daily Inf.			13.1 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-2.3 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	859.3	84.1	0	0
2	859.2	82.9	0	0
3	859.1	81.7	0	0
4	859.0	80.6	0	0
5	858.9	79.5	0	0
6	858.8	78.4	0	0
7	858.7	77.4	0	0
8	858.6	76.3	0	0
9	858.5	75.2	0	0
10	858.4	74.1	0	0
11	858.3	73.1	0	0
12	853.7	32.7	0	17.3
13	849.1	11.3	2.1	11.4
14	846.6	2.8	.8	0
15	846.5	2.7	0	0
16	846.8	3.1	.2	0
17	847.1	3.6	0	0
18	846.9	3.2	0	0
19	846.8	3.1	0	0
20	846.7	2.9	0	0
21	846.7	2.9	0	0
22	846.7	2.9	0	0
23	846.6	2.8	0	0
24	846.5	2.7	0	0
25	846.4	2.5	0	0
26	846.3	2.4	0	0
27	846.3	2.4	0	0
28	846.3	2.4	0	0
29	846.3	2.4	0	0
30	846.2	2.3	0	0
TOTAL			1.2	28.7
Inf. Ac. Ft.			3.4	
Outf. Ac. Ft.			56.9 + (28.4)	
Max. Mean Daily Inf.			.8 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-82.9 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	846.2	2.3	0	0
2	846.2	2.3	0	0
3	846.0	.6	0	0
4	842.0	0	0	0
5	842.0	0	0	0
6	842.0	0	0	0
7	842.0	0	0	0
8	842.0	0	0	0
9	[illegible]	[illegible]	[illegible]	[illegible]
10	842.0	0	0	0
11	842.0	0	0	0
12	842.0	0	0	0
13	842.0	0	0	0
14	842.0	0	0	0
15	842.0	0	0	0
16	842.0	0	0	0
17	842.0	0	0	0
18	842.0	0	0	0
19	842.0	0	0	0
20	842.0	0	0	0
21	842.0	0	0	0
22	842.0	0	0	0
23	842.0	0	0	0
24	842.0	0	0	0
25	842.0	0	0	0
26	842.0	0	0	0
27	842.0	0	0	0
28	842.0	0	0	0
29	842.0	0	0	0
30	842.0	0	0	0
31	842.0	0	0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change		0		

NO STORAGE

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change		0		

NO STORAGE

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change		0		

NO STORAGE

SEPTEMBER

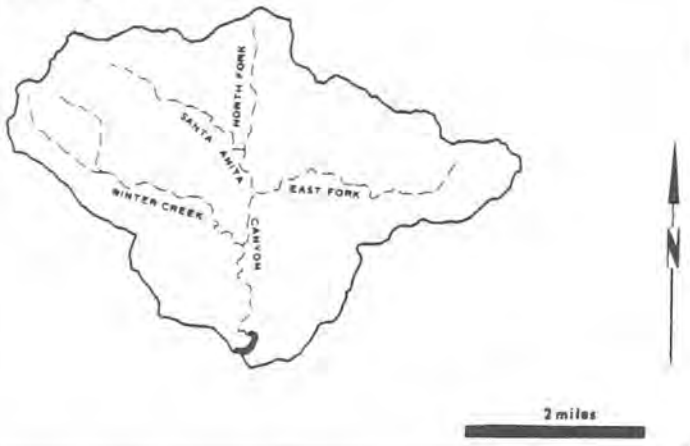
Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change		0		

NO STORAGE

Max. W.S. Elev. 874.2 feet on 12/2/70 Storage 380.0 Acre-Feet
Min. W.S. Elev. 842.0 feet on various days storage 0 Acre-Feet
Max. Rain Inf. 59.8 CFS from 2:00 noon on 12/30/70 to 2:00 p.m. on 12/31/70
Max. Rain Outf. 59.0 CFS from 12:00 noon on 12/31/70 to 2:00 p.m. on 12/31/70

REMARKS: ( ) Indicates percolation losses.

SANTA ANITA DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

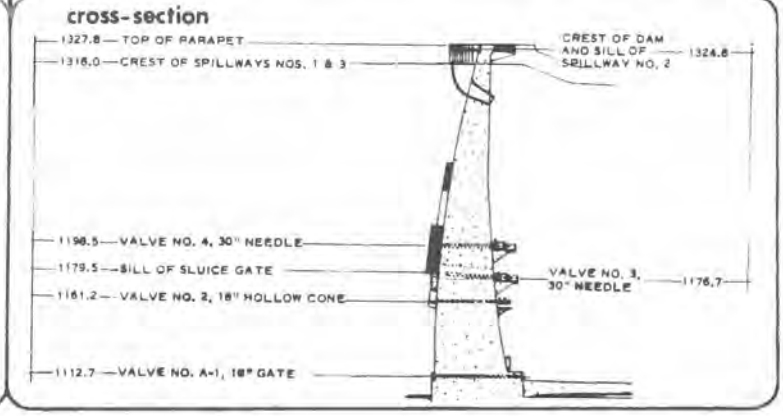
DATE CONSTRUCTED -
Started October 1924 - Completed March 1927

LOCATION - 2.5 miles north of Arcadia

DRAINAGE AREA - 10.8 square miles

CAPACITY - 836 acre-feet

SPILLWAY ELEVATION - 1,316.0 feet



SANTA ANITA DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1926-27	1208	13	0.4	1030			N.D.
1927-28	1009	22	0.1	1162			N.D.
1928-29	1214	30	0	1256			N.D.
1929-30	1276	25	0.1	964			N.D.
1930-31	989	34	0	1155			N.D.
1931-32	4010	236	0.1	3883			N.D.
1932-33	2190	152	0	2022	1	19	390
1933-34	2603	322	0	2622	1	1	800
1934-35	3693	92	0.1	3585	4	8	449
1935-36	2480	84	0	2535	2	12	228
1936-37	8798	192	0	8616	2	6	313
1937-38	16594	1780	1.3	16689	3	2	5140
1938-39	2726	74	0.4	2461	12	19	159
1939-40	2743	62	0.4	2664	1	8	378
1940-41	15225	239	0.4	15235	3	4	300
1941-42	2070	25	0.6	2140	12	29	53
1942-43	19371	1110	0.6	19440	1	23	3100
1943-44	7463	514	1.3	7294	2	22	813
1944-45	4147	101	1.1	4133	11	11	303
1945-46	3426	164	0.8	3360	12	23	492
1946-47	4489	122	0.7	4462	11	20	382
1947-48	1075	14	0.3	1243	4	28	41
1948-49	1031	17	0.2	983	1	20	32
1949-50	1357	30	0.2	1311	12	18	115
1950-51	460	4.5	0.1	497	1	11	10
1951-52	8408	351	0.1	8292	1	16	837
1952-53	1562	20	0.5	1729	12	1	153
1953-54	3302	201	0.4	3412	1	24	1240
1954-55	1432	18	0.3	1437	11	11	173
1955-56	2218	175	0.3	2196	1	26	569
1956-57	1535	36	0.5	1431	2	23	122
1957-58	11696	298	0.7	11715	4	3	618
1958-59	2183	66	0.6	2033	1	6	622
1959-60	954	6.5	0.1	1152	2	1	16
1960-61	527	12	0.1	407	1	26	65
1961-62	6328	682	0.1	6242	2	11	1460

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SANTA ANITA DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN

DRAINAGE AREA 10.8 SQ. MI.
CAPACITY OF RESERVOIR 745.1 AC. FT.
at SPILLWAY ELEVATION 1318.0 FT.
as of FEBRUARY, 19 70

Day	OCTOBER Gage Height	OCTOBER Acre-Ft. Storage	OCTOBER CFS Inflow	OCTOBER CFS Outflow	NOVEMBER Gage Height	NOVEMBER Acre-Ft. Storage	NOVEMBER CFS Inflow	NOVEMBER CFS Outflow	DECEMBER Gage Height	DECEMBER Acre-Ft. Storage	DECEMBER CFS Inflow	DECEMBER CFS Outflow	JANUARY Gage Height	JANUARY Acre-Ft. Storage	JANUARY CFS Inflow	JANUARY CFS Outflow	Day
1	1183.0	0	3.0	3.0	1183.0	0	2.7	2.7	1183.0	0	2.9	2.9	1183.0	0	3.0	3.0	1
2	1183.0	0	3.0	3.0	1183.0	0	2.7	2.7	1183.0	0	2.9	2.9	1183.0	0	3.0	3.0	2
3	1183.0	0	3.0	3.0	1183.0	0	2.6	2.6	1183.0	0	2.8	2.8	1183.0	0	3.0	3.0	3
4	1183.0	0	3.0	3.0	1183.0	0	2.6	2.6	1183.0	0	2.8	2.8	1183.0	0	3.0	3.0	4
5	1183.0	0	3.0	3.0	1183.0	0	2.5	2.5	1183.0	0	2.8	2.8	1183.0	0	3.0	3.0	5
6	1183.0	0	3.0	3.0	1183.0	0	10.0	10.0	1183.0	0	2.8	2.8	1183.0	0	3.0	3.0	6
7	1183.0	0	3.0	3.0	1183.0	0	8.0	8.0	1183.0	0	2.8	2.8	1183.0	0	3.0	3.0	7
8	1183.0	0	3.0	3.0	1183.0	0	7.0	7.0	1183.0	0	2.9	2.9	1183.0	0	3.0	3.0	8
9	1183.0	0	3.0	3.0	1183.0	0	6.0	6.0	1183.0	0	2.9	2.9	1183.0	0	3.0	3.0	9
10	1183.0	0	3.0	3.0	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	10
11	1183.0	0	3.0	3.0	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	11
12	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	12
13	1183.0	0	3.1	3.1	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	13
14	1183.0	0	3.1	3.1	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	5.0	5.0	14
15	1183.0	0	3.1	3.1	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	4.0	4.0	15
16	1183.0	0	3.2	3.2	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	5.0	5.0	16
17	1183.0	0	3.2	3.2	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	5.0	5.0	17
18	1183.0	0	3.2	3.2	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	4.0	4.0	18
19	1183.0	0	3.3	3.3	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	4.0	4.0	19
20	1183.0	0	3.3	3.3	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	3.6	3.6	20
21	1183.0	0	3.4	3.4	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	3.4	3.4	21
22	1183.0	0	3.4	3.4	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	3.2	3.2	22
23	1183.0	0	3.5	3.5	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	3.0	3.0	23
24	1183.0	0	3.4	3.4	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	2.8	2.8	24
25	1183.0	0	3.3	3.3	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	2.6	2.6	25
26	1183.0	0	3.2	3.2	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	2.4	2.4	26
27	1183.0	0	3.1	3.1	1183.0	0	5.0	5.0	1183.0	0	3.0	3.0	1183.0	0	2.2	2.2	27
28	1183.0	0	3.0	3.0	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	2.0	2.0	28
29	1183.0	0	2.9	2.9	1183.0	0	4.0	4.0	1183.0	0	3.0	3.0	1183.0	0	2.0	2.0	29
30	1183.0	0	2.7	2.7	1183.0		3.0	3.0	1183.0	0	3.0	3.0	1183.0	0	2.2	2.2	30
31	1183.0	0	2.7	2.7					1183.0	0	3.0	3.0	1183.0	0	2.4	2.4	31
TOTAL			96.1	96.1			131.1	131.1			91.6	91.5			97.8	97.8	
Inf. Ac. Ft.	190.6				260.0				181.8				193.9				
Outf. Ac. Ft.	190.6 + (.0)				260.0 + (.0)				181.8 + (.0)				193.9 + (.0)				
Max. Mean Daily Inf.	3.5 cfs				10.0 cfs				3.0 cfs				5.0 cfs				
Min. Mean Daily Inf.	2.7 cfs				2.5 cfs				2.8 cfs				2.0 cfs				
Storage Change	0 A.F.				0 A.F.				0 A.F.				0 A.F.				

Day	FEBRUARY Gage Height	FEBRUARY Acre-Ft. Storage	FEBRUARY CFS Inflow	FEBRUARY CFS Outflow	MARCH Gage Height	MARCH Acre-Ft. Storage	MARCH CFS Inflow	MARCH CFS Outflow	APRIL Gage Height	APRIL Acre-Ft. Storage	APRIL CFS Inflow	APRIL CFS Outflow	MAY Gage Height	MAY Acre-Ft. Storage	MAY CFS Inflow	MAY CFS Outflow	Day
1	1183.0	0	2.6	2.6	1274.4	313.5	94.6	55.0	1245.9	121.1	3.6	24.0	1183.0	0	2.5	2.5	1
2	1183.0	0	2.8	2.8	1287.5	435.4	91.4	20.0	1244.7	114.9	3.9	7.0	1183.0	0	2.4	2.4	2
3	1183.0	0	3.0	3.0	1289.2	452.7	28.7	35.0	1244.6	114.4	5.7	6.0	1183.0	0	2.3	2.3	3
4	1183.0	0	3.0	3.0	1288.3	443.5	23.4	28.0	1244.4	113.4	5.5	5.0	1183.0	0	2.2	2.2	4
5	1183.0	0	3.3	3.3	1287.1	432.3	23.9	30.0	1244.2	112.4	4.9	5.0	1183.0	0	2.1	2.1	5
6	1183.0	0	3.3	3.3	1284.4	404.4	17.4	31.0	1243.7	110.0	3.7	4.4	1183.0	0	2.0	2.0	6
7	1183.0	0	3.2	3.2	1280.9	370.9	15.1	32.0	1243.3	108.0	3.3	4.3	1183.0	0	2.0	2.0	7
8	1183.0	0	3.1	3.1	1276.6	333.9	13.3	32.0	1242.8	104.7	2.6	4.0	1183.0	0	2.0	2.0	8
9	1183.0	0	3.0	3.0	1272.2	295.5	13.7	33.0	1242.1	102.4	2.9	4.1	1183.0	0	2.0	2.0	9
10	1183.0	0	20.0	20.0	1268.1	264.3	18.1	34.0	1241.2	98.3	3.7	7.0	1183.0	0	2.0	2.0	10
11	1183.0	0	15.0	15.0	1265.6	244.9	11.2	21.0	1239.8	92.4	4.0	7.0	1183.0	0	2.0	2.0	11
12	1183.0	0	19.9	20.0	1263.0	225.2	11.6	21.0	1238.2	86.2	2.9	6.0	1183.0	0	2.0	2.0	12
13	1183.0	0	5.0	5.0	1260.2	206.6	11.2	21.0	1236.7	81.1	2.4	5.0	1183.0	0	2.0	2.0	13
14	1183.0	0	4.0	4.0	1257.1	186.4	10.7	21.0	1227.4	53.2	3.0	17.0	1183.0	0	2.0	2.0	14
15	1183.0	0	4.0	4.0	1254.2	168.3	11.8	21.0	1204.6	6.6	3.0	20.5	1183.0	0	2.0	2.0	15
16	1183.0	0	4.0	4.0	1253.8	165.6	5.7	7.0	1183.0	0	3.0	6.3	1183.0	0	2.0	2.0	16
17	1191.2	5	4.3	4.0	1255.0	173.2	6.7	3.0	1183.0	0	3.0	3.0	1183.0	0	2.0	2.0	17
18	1205.6	7.5	3.8	.3	1256.0	179.3	5.2	3.0	1183.0	0	3.0	3.0	1183.0	0	2.0	2.0	18
19	1211.0	14.7	3.9	.3	1256.9	185.1	4.9	3.0	1183.0	0	3.0	3.0	1183.0	0	2.0	2.0	19
20	1214.1	20.6	3.0	.3	1257.7	190.3	5.9	2.0	1183.0	0	2.9	2.9	1183.0	0	2.0	2.0	20
21	1216.7	26.3	3.1	.3	1258.4	194.9	4.3	2.0	1183.0	0	2.9	2.9	1183.0	0	2.0	2.0	21
22	1219.0	31.6	3.0	.3	1258.9	198.2	3.7	2.0	1183.0	0	2.8	2.8	1183.0	0	2.0	2.0	22
23	1221.1	36.7	2.9	.3	1259.4	201.5	3.7	2.0	1183.0	0	2.8	2.8	1183.0	0	2.0	2.0	23
24	1223.1	41.8	2.8	.3	1259.9	204.8	3.7	2.0	1183.0	0	2.8	2.8	1183.0	0	2.1	2.1	24
25	1224.9	46.2	2.7	.3	1259.2	198.6	5.6	9.0	1183.0	0	2.8	2.8	1183.0	0	2.1	2.1	25
26	1226.5	50.8	2.5	.3	1257.5	189.0	7.0	12.0	1183.0	0	2.7	2.7	1183.0	0	2.1	2.1	26
27	1228.1	55.2	2.2	.3	1255.6	176.8	5.3	12.0	1183.0	0	2.7	2.7	1183.0	0	2.1	2.1	27
28	1256.4	175.5	75.7	15.0	1254.3	168.7	7.3	12.0	1183.0	0	2.7	2.7	1183.0	0	2.2	2.2	28
29					1253.0	160.8	7.6	11.0	1183.0	0	2.6	2.6	1183.0	0	2.2	2.2	29
30					1251.9	154.1	7.7	11.0	1183.0	0	2.6	2.6	1183.0	0	2.2	2.2	30
31					1249.7	141.6	3.6	10.0					1183.0	0	2.2	2.2	31
TOTAL			199.9	122.5			459.9	477.0			96.2	237.6			64.7	64.7	
Inf. Ac. Ft.	396.6				912.2				190.8				128.3				
Outf. Ac. Ft.	221.1 + (.0)				946.1 + (.0)				332.4 + (.0)				128.3 + (.0)				
Max. Mean Daily Inf.	75.7 cfs				94.6 cfs				5.7 cfs				2.5 cfs				
Min. Mean Daily Inf.	2.5 cfs				3.0 cfs				2.4 cfs				2.0 cfs				
Storage Change	175.5 A.F.				-33.9 A.F.				-141.6 A.F.				0 A.F.				

Day	JUNE Gage Height	JUNE Acre-Ft. Storage	JUNE CFS Inflow	JUNE CFS Outflow	JULY Gage Height	JULY Acre-Ft. Storage	JULY CFS Inflow	JULY CFS Outflow	AUGUST Gage Height	AUGUST Acre-Ft. Storage	AUGUST CFS Inflow	AUGUST CFS Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre-Ft. Storage	SEPTEMBER CFS Inflow	SEPTEMBER CFS Outflow	Day
1	1183.0	0	2.5	2.7	1183.0		2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1
2	1183.0	0	2.3	2.3	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	2
3	1183.0	0	2.3	2.3	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	3
4	1183.0	0	2.3	2.3	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	4
5	1183.0	0	2.3	2.3	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	5
6	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	6
7	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	7
8	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	1.9	1.9	1183.0	0	1.0	1.0	8
9	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	1.8	1.8	1183.0	0	1.0	1.0	9
10	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	1.7	1.7	1183.0	0	1.0	1.0	10
11	1183.0	0	2.5	2.5	1183.0	0	2.0	2.0	1183.0	0	1.6	1.6	1183.0	0	1.0	1.0	11
12	1183.0	0	2.5	2.5	1183.0	0	2.0	2.0	1183.0	0	1.5	1.5	1183.0	0	1.0	1.0	12
13	1183.0	0	2.5	2.5	1183.0	0	2.0	2.0	1183.0	0	1.4	1.4	1183.0	0	1.0	1.0	13
14	1183.0	0	2.5	2.5	1183.0	0	2.0	2.0	1183.0	0	1.3	1.3	1183.0	0	1.0	1.0	14
15	1183.0	0	2.6	2.6	1183.0	0	2.0	2.0	1183.0	0	1.2	1.2	1183.0	0	1.0	1.0	15
16	1183.0	0	2.6	2.6	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	16
17	1183.0	0	2.6	2.6	1183.0	0	2.0	2.0	1183.0	0	1.1	1.1	1183.0	0	1.0	1.0	17
18	1183.0	0	2.4	2.4	1183.0	0	2.0	2.0	1183.0	0	1.1	1.1	1183.0	0	1.0	1.0	18
19	1183.0	0	2.3	2.3	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	19
20	1183.0	0	2.2	2.2	1183.0	0	2.0	2.0	1183.0	0	1.2	1.2	1183.0	0	1.0	1.0	20
21	1183.0	0	2.2	2.2	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	21
22	1183.0	0	2.2	2.2	1183.0	0	2.0	2.0	1183.0	0	1.2	1.2	1183.0	0	1.0	1.0	22
23	1183.0	0	2.2	2.2	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	23
24	1183.0	0	2.2	2.2	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	24
25	1183.0	0	2.1	2.1	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	1183.0	0	1.0	1.0	25
26	1183.0	0	2.1	2.1	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.0	1.0	26
27	1183.0	0	2.1	2.1	1183.0	0	2.0	2.0	1183.0	0	1.1	1.1	1183.0	0	1.0	1.0	27
28	1183.0	0	2.1	2.1	1183.0	0	2.0	2.0	1183.0	0	1.1	1.1	1183.0	0	1.0	1.0	28
29	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.2	1.2	1183.0	0	1.0	1.0	29
30	1183.0	0	2.0	2.0	1183.0	0	2.0	2.0	1183.0	0	1.2	1.2	1183.0	0	1.0	1.0	30
31					1183.0	0	2.0	2.0	1183.0	0	1.2	1.2					31
TOTAL			69.4	69.4			62.0	62.0			42.9	42.9			30.0	30.0	
Inf. Ac. Ft.	137.6				122.9				84.9				59.5				
Outf. Ac. Ft.	137.6 + (.0)				122.9 + (.0)				84.9 + (.0)				59.5 + (.0)				
Max. Mean Daily Inf.	2.6 cfs				2.0 cfs				2.0 cfs				1.0 cfs				
Min. Mean Daily Inf.	2.0 cfs				2.0 cfs				1.0 cfs				1.0 cfs				
Storage Change	0 A.F.				0 A.F.				0 A.F.				0 A.F.				

Max. W.S. Elev. 1289.5 feet on 3/4/70 storage 455.7 Acre-Feet
Min. W.S. Elev. 1183.0 feet on various dates storage Acre-Feet
Max. Peak Inf. [illegible] CFS from 5:00 p.m. on [illegible] to 2:00 p.m. on [illegible]
Max. Peak Outf. [illegible] CFS from 4:00 p.m. on [illegible] to 10:00 p.m. on 3/4/70
REMARKS:

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SANTA ANITA DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 10.8 SQ. MI.
CAPACITY OF RESERVOIR 338.0 AC. FT.,
at SPILLWAY ELEVATION 1316.0 FT.,
as of November, 19 70

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
2	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
3	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
4	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
5	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
6	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
7	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
8	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
9	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
10	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
11	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
12	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
13	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
14	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
15	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
16	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
17	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
18	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
19	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
20	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
21	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
22	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
23	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
24	1180.0	0	1.0	1.0	1180.0	0	1.0	1.0
25	1180.0	0	1.0	1.0	1180.0	0	2.0	2.0
26	1180.0	0	1.0	1.0	1180.0	0	1.5	1.5
27	1180.0	0	1.0	1.0	1180.0	0	1.5	1.5
28	1180.0	0	1.0	1.0	1180.0	0	10.0	10.0
29	1180.0	0	1.0	1.0	1261.5	266.2	184.2	50.0
30	1180.0	0	1.0	1.0	1266.0	301.7	24.9	7.0
31	1180.0	0	1.0	1.0				
TOTAL			31.0	31.0			248.0	96.0
Inf. Ac. Ft.		61.4				492.0		
Outf. Ac. Ft.		61.4 + (.0)				190.4 + (.0)		
Max. Mean Daily Inf.		1.0 cfs				184.2 cfs		
Min. Mean Daily Inf.		1.0 cfs				1.0 cfs		
Storage Change		0 A.F.				301.6 A.F.		

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1267.5	314.1	12.2	6.0	1180.0	0	6.0	6.0
2	1269.2	[illegible]	13.2	6.0	1180.0	0	6.0	6.0
3	1259.8	[illegible]	8.1	5.5	1180.0	0	6.0	6.0
4	1268.2	319.9	7.8	14.6	1180.0	0	6.0	6.0
5	1262.9	276.9	9.3	31.0	1180.0	0	6.0	6.0
6	1257.0	233.5	9.2	31.0	1180.0	0	6.0	6.0
7	1251.0	194.6	11.3	31.0	1180.0	0	6.0	6.0
8	1245.3	161.5	4.3	21.0	1180.0	0	6.0	6.0
9	1240.0	133.5	6.9	21.0	1180.0	0	6.0	6.0
10	1180.0	0	5.6	73.0	1180.0	0	6.0	6.0
11	1180.0	0	3.0	3.0	1180.0	0	4.0	4.0
12	1180.0	0	3.0	3.0	1209.7	29.6	15.0	.1
13	1180.0	0	3.0	3.0	1218.0	50.3	10.5	.1
14	1180.0	0	3.0	3.0	1223.8	66.8	8.4	.1
15	1180.0	0	3.0	3.0	1228.3	82.1	7.8	.1
16	1180.0	0	3.0	3.0	1232.0	96.4	7.3	.1
17	1180.0	0	4.0	4.0	1235.3	110.8	7.4	.1
18	1189.8	2.6	6.3	5.0	1238.4	125.6	7.5	.1
19	1180.0	0	48.7	50.0	1241.3	140.2	7.5	.1
20	1180.0	0	20.0	20.0	1244.1	155.0	7.5	.1
21	1236.7	117.4	60.2	1.0	1246.4	167.6	6.5	.1
22	1246.7	169.3	27.2	1.0	1248.6	180.2	6.5	.1
23	1252.0	200.8	16.9	1.0	1250.7	192.8	6.4	.1
24	1245.6	163.2	1.0	20.0	1252.6	204.6	6.1	.1
25	1224.7	69.7	7.9	55.0	1254.3	215.5	5.6	.1
26	1180.0	0	69.9	105.0	1256.1	227.5	6.1	.1
27	1180.0	0	50.0	50.0	1257.4	236.4	4.6	.1
28	1180.0	0	6.0	6.0	1259.1	248.4	6.1	.1
29	1180.0	0	6.0	6.0	1260.5	258.7	5.3	.1
30	1180.0	0	6.0	6.0	1261.8	268.4	5.0	.1
31	1180.0	0	6.0	6.0	1263.2	279.2	5.6	.1
TOTAL			442.0	594.1			206.7	55.0
Inf. Ac. Ft.		876.7				410.1		
Outf. Ac. Ft.		1178.3 + (.0)				130.9 + (.0)		
Max. Mean Daily Inf.		69.9 cfs				15.0 cfs		
Min. Mean Daily Inf.		1.0 cfs				4.0 cfs		
Storage Change		-301.6 A.F.				279.2 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1264.5	289.6	5.3	.1	1244.2	155.5	4.5	+
2	1262.3	272.2	5.7	14.4	1245.5	162.6	3.6	+
3	1258.3	242.7	6.5	21.0	1246.9	170.4	3.9	+
4	1253.9	212.9	5.0	20.0	1248.4	179.0	4.3	+
5	1252.1	201.4	6.2	12.0	1249.8	187.3	4.2	+
6	1253.7	211.6	5.2	.1	1251.1	195.2	3.9	+
7	1255.1	220.8	4.7	.1	1252.3	202.7	3.8	-
8	1256.4	[illegible]	4.5	.1	1253.5	210.3	3.8	+
9	1257.7	238.5	4.6	.1	1254.7	218.2	3.9	-
10	1259.2	249.1	5.5	.1	1255.9	226.2	4.1	+
11	1260.2	256.4	3.8	.1	1257.0	233.6	3.8	+
12	1261.5	266.2	5.0	.1	1258.2	242.0	4.2	+
13	1262.7	275.4	4.7	.1	1263.0	277.7	17.9	+
14	1263.8	284.0	4.4	.1	1264.7	291.2	6.8	+
15	1264.9	292.8	4.5	.1	1263.1	278.5	6.6	13.0
16	1266.6	306.6	7.1	.1	1257.3	235.7	6.5	28.0
17	1266.6	306.6	14.5	14.5	1249.8	187.3	6.6	31.0
18	1262.0	269.9	13.5	32.0	1245.0	159.9	7.2	21.0
19	1259.5	251.3	6.4	15.8	1246.6	168.7	4.5	+
20	1261.0	262.4	5.7	.1	1248.1	177.3	4.3	+
21	1262.4	273.0	5.5	.1	1249.5	185.5	4.2	+
22	1258.4	243.4	6.1	21.0	1250.5	191.5	3.0	+
23	1250.4	190.9	6.5	33.0	1252.3	202.7	5.6	+
24	1241.3	140.2	6.4	32.0	1248.8	181.4	6.0	16.7
25	1237.1	119.3	4.4	15.0	1242.7	147.5	6.9	24.0
26	1239.1	129.0	5.0	.1	1239.6	131.5	6.9	14.9
27	1240.8	137.6	4.4	.1	1241.4	140.7	4.7	.1
28	1242.5	146.5	4.6	.1	1242.8	148.0	3.8	.1
29					1244.4	156.6	4.4	.1
30					1245.6	163.2	3.4	.1
31					1246.6	168.7	2.9	.1
TOTAL			158.7	225.7			160.3	149.1
Inf. Ac. Ft.		314.8				318.0		
Outf. Ac. Ft.		447.6 + (.0)				295.7 + (.0)		
Max. Mean Daily Inf.		14.5 cfs				17.9 cfs		
Min. Mean Daily Inf.		3.8 cfs				2.9 cfs		
Storage Change		-132.7 A.F.				22.2 A.F.		

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1247.8	175.6	3.3	+	1242.5	146.5	3.7	+
2	1249.0	182.5	3.3	+	1243.7	152.8	3.7	+
3	1250.2	187.7	3.3	+	1244.8	158.8	3.7	+
4	1251.2	195.8	3.2	+	1245.9	164.8	3.7	+
5	1252.1	201.4	3.2	+	1247.0	171.0	3.7	+
6	1253.1	207.8	3.2	+	1248.8	181.4	3.7	+
7	1254.0	213.6	3.2	+	1250.7	192.8	3.7	+
8	1255.0	220.1	3.2	+	1252.0	200.8	3.7	+
9	1256.0	226.8	3.2	+	1253.1	207.8	3.7	+
10	1256.9	233.0	3.2	+	1254.1	214.2	3.7	+
11	1257.8	239.2	3.2	+	1255.1	220.8	2.8	+
12	1258.7	245.6	3.2	+	1256.1	227.5	2.8	+
13	1259.6	252.0	3.2	+	1257.0	233.6	2.8	+
14	1260.5	258.7	3.4	+	1257.8	239.2	2.8	+
15	1261.4	265.4	3.4	+	1258.5	244.1	2.8	+
16	1262.3	272.3	3.5	+	1259.3	249.9	2.8	+
17	1263.4	280.8	4.3	+	1260.0	254.9	2.8	+
18	1264.4	288.8	4.0	+	1260.7	260.1	2.7	+
19	1265.3	296.0	3.7	+	1261.3	264.6	2.7	+
20	1266.2	303.3	3.7	+	1261.9	269.2	2.7	+
21	1267.0	309.9	3.2	+	1262.6	274.6	2.8	+
22	1267.8	316.6	3.1	+	1263.3	280.0	2.7	+
23	1268.5	322.4	3.1	+	1264.0	285.6	2.7	+
24	1269.2	328.4	3.1	+	1264.7	291.2	2.7	+
25	1269.9	334.3	3.1	+	1265.3	296.0	2.7	+
26	1267.2	311.6	3.0	14.5	1265.8	300.1	2.7	+
27	1260.7	260.1	3.0	29.0	1266.4	305.0	2.7	+
28	1253.8	212.3	3.1	27.0	1267.2	311.6	2.7	+
29	1246.0	165.4	3.1	27.0	1267.9	317.4	2.7	+
30	1241.4	140.7	3.1	15.4	1268.6	323.3	2.7	+
31			98.8	112.9	1269.2	328.4	2.7	+
TOTAL			98.8	112.9			94.5	+
Inf. Ac. Ft.		196.0				187.6		
Outf. Ac. Ft.		223.9 + (.0)				+ + (.0)		
Max. Mean Daily Inf.		4.3 cfs				3.7 cfs		
Min. Mean Daily Inf.		3.0 cfs				2.7 cfs		
Storage Change		-28.0 A.F.				187.6 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	[redacted]							0
2	1270.5	338.5	2.7	[redacted]				0
3	1271.1	344.7	2.7	[redacted]			1.7	
4	[illegible]	349.0	2.7	.1	1260.7	260.1	1.7	0
5	1272.2	354.3	2.6	.1	1261.1	263.1	1.7	0
6	1272.7	[illegible]	2.4	.1	1261.4	266.9	[redacted]	
7	1269.3	[illegible]	2.6	18.1	1262.4	[illegible]	[illegible]	+
8	1263.5	[illegible]	2.6	26.0	1262.4	[illegible]	[illegible]	0
9	1257.3	235.7	2.6	26.0	1262.1	271.1	[illegible]	0
10	1250.7	192.8	2.6	24.0	1263.2	279.2	[illegible]	0
11	1246.5	168.2	2.3	15.0	1263.6	282.4	[illegible]	0
12	1247.4	173.3	2.3	+	1259.6	252.0	[illegible]	17.0
13	1248.3	[illegible]	2.3	+	1252.4	[illegible]	[illegible]	26.0
14	[illegible]	[illegible]	2.3	+	1245.3	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	2.3	+	1249.9	[illegible]	1.5	0
16	1250.6	192.1	2.3	+	1250.3	190.3	1.5	0
17	1251.3	196.4	2.3	+	1250.8	193.4	1.5	0
18	1251.9	200.2	2.3	+	1251.3	196.4	1.5	0
19	1252.6	204.6	2.2	+	1251.8	199.5	1.5	0
20	1253.2	208.4	2.2	+	1252.3	202.7	1.5	0
21	[illegible]	212.3	1.9	+	1252.8	205.8	1.4	0
22	[illegible]	215.5	1.3	+	1253.2	[illegible]	1.4	+
23	[redacted]			+	[redacted]			
24	1255.5	223.5	1.9	+	1254.1	214.2	1.4	0
25	1256.1	227.5	1.9	+	1254.5	216.8	1.4	0
26	1256.6	230.9	1.9	+	1254.9	219.5	1.4	0
27	1257.1	234.3	1.9	+	1255.3	222.1	1.3	0
28	1257.7	238.5	1.8	+	1255.7	224.8	1.3	0
29	1258.2	242.0	1.8	+	1256.1	227.5	1.3	0
30	1258.7	245.6	1.8	+	1256.4	229.5	1.3	0
31					1256.8	232.3	1.3	0
TOTAL			67.9	109.7			47.3	34.0
Inf. Ac. Ft.		134.7				93.8		
Outf. Ac. Ft.		217.6 + (.0)				107.1 + (.0)		
Max. Mean Daily Inf.		2.7 cfs				1.7 cfs		
Min. Mean Daily Inf.		1.8 cfs				1.3 cfs		
Storage Change		-82.7 A.F.				-13.2 A.F.		

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	[redacted]				1265.6	[illegible]	1.1	
2	1257.5	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	
3	[illegible]	[illegible]	1.1		[illegible]	333.3	1.0	0
4	1258.1	241.3	1.1	0	1266.4	[illegible]	1.0	
5	[redacted]				1266.6	[illegible]	[illegible]	0
6	[redacted]	245.5	1.1	0	[illegible]	[illegible]	1.0	0
7	1259.0	247.7	1.1	0	1267.0	[illegible]	[illegible]	
8	[illegible]	245.3	[illegible]	+	1267.2	[illegible]	[illegible]	
9	1259.4	252.0	1.1	0	[redacted]	313.2	[illegible]	
10	1259.9	254.2	1.1	0	1267.7	315.7	[illegible]	+
11	1260.2	256.4	1.1	0	1267.9	317.4	1.1	0
12	1260.4	257.9	1.1	0	1268.1	319.1	1.0	0
13	1260.7	260.1	1.1	0	[illegible]	[illegible]	1.1	18.0
14	[illegible]	262.4	1.1		[illegible]	232.5	1.1	28.0
15	[illegible]	[illegible]	1.1	+	[illegible]	[illegible]	1.1	27.0
16	1261.1	264.9	1.1	0	1244.0	133.5	1.1	25.0
17	1261.9	269.2	1.0	0	1234.6	107.6	1.1	14.0
18	1262.2	271.5	1.0	0	1235.2	110.3	1.1	0
19	1262.5	273.8	1.0		[illegible]	112.7	1.1	+
20	1262.7	275.4	1.0	0	1236.2	115.0	1.1	0
21	1263.0	277.7	1.0	0	1236.6	116.9	1.1	0
22	1263.3	[illegible]	1.4	0	1237.1	[illegible]	1.1	0
23	[redacted]		1.0	0	[redacted]	[illegible]	1.1	[illegible]
24	1263.7	[illegible]	1.0	0	1237.9	123.1	1.1	0
25	1264.1	[illegible]	1.0	0	1238.3	125.1	1.1	0
26	1264.3	[illegible]	1.0	0	1238.7	127.0	1.1	0
27	1264.6	290.4	1.0	0	1239.2	129.5	1.0	0
28	1264.8	292.0	1.0	0	1239.6	131.5	1.0	0
29	1265.0	293.6	1.0	0	1240.1	134.1	1.0	0
30	1265.2	295.2	0.9	0	1240.5	136.1	1.0	0
31	1265.4	296.8	0.9	0				
TOTAL			32.5	0			31.0	112.0
Inf. Ac. Ft.		64.5				61.5		
Outf. Ac. Ft.		0 + (.0)				222.2 + (.0)		
Max. Mean Daily Inf.		1.2 cfs				1.1 cfs		
Min. Mean Daily Inf.		0.9 cfs				0.9 cfs		
Storage Change		64.5 A.F.				-160.7 A.F.		

Max. W.S. Elev. 1272.9 feet on 6/7/71 Storage 360.4 Acre-Feet
Min. W.S. Elev. 1180.0 feet on various days Storage 0 Acre-Feet
Max. Peak Inf. 574.0 CFS from 12:00 noon on 11/29/70 to 2:00 p.m. on 11/29/70
Max. Peak Outf. 124.0 CFS from 9:15 a.m. on 12/26/70 to 5:15 p.m. on 12/26/70
REMARKS: [Indicates average for period.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SANTA ANITA DAM

1971-72

DRAINAGE AREA 19.2 SQ. MI.
CAPACITY OF RESERVOIR 936.0 AC. FT.
of SPILLWAY ELEVATION 1218.0 FT.
as of November 1 19 70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1240.9	139.1	1.3	.1
2	1241.3	140.2	1.1	.1
3	1241.7	142.3	1.1	.1
4	1242.0	143.8	1.1	.2
5	1242.4	145.9	1.1	.2
6	1242.7	147.5	1.0	.1
7	1243.0	149.1	1.0	.1
8	1243.3	150.7	1.0	.1
9	1243.6	152.3	1.0	.1
10	1243.9	153.9	1.0	.1
11	1244.2	155.5	1.0	.1
12	1244.5	157.1	1.0	.1
13	1244.8	158.8	1.0	.1
14	1245.1	160.4	1.0	.1
15	1245.4	162.1	1.0	.1
16	1245.7	163.7	1.0	.1
17	1246.2	166.3	1.3	.1
18	1246.6	168.7	1.3	.1
19	1247.0	171.0	1.3	.1
20	1247.4	173.3	1.3	.2
21	1247.8	175.6	1.3	.1
22	1248.1	177.9	1.3	.1
23	1248.4	179.0	1.2	.1
24	1248.7	180.8	1.2	.1
25	1249.1	183.1	1.2	.1
26	1249.5	185.5	1.2	.1
27	1249.9	187.9	1.2	.1
28	1250.3	190.4	1.2	.1
29	1250.7	192.8	1.2	.1
30	1251.0	194.6	1.2	.1
31	1251.4	197.1	1.2	.1
TOTAL			35.3	3.1
Inf. Ac. Ft.			70.0	
Outf. Ac. Ft.			3.1 + (2.9)	
Max. Mean Daily Inf.			1.5 cfs	
Min. Mean Daily Inf.			1.0 cfs	
Storage Change			60.9 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1251.8	199.4	1.2	.1
2	1252.1	201.4	1.2	.1
3	1252.4	203.3	1.2	.1
4	1252.7	205.2	1.2	.1
5	1253.0	207.1	1.2	.1
6	1253.3	209.0	1.2	.1
7	1253.7	211.7	1.2	.1
8	1254.0	213.6	1.2	.1
9	1254.3	215.5	1.2	.1
10	1254.6	217.5	1.1	.1
11	1254.9	219.3	1.1	.1
12	1255.2	221.2	1.1	.1
13	1255.6	223.8	1.0	.1
14	1256.2	228.2	1.0	.1
15	1256.6	230.9	1.4	.1
16	1256.9	233.0	1.4	.1
17	1257.3	235.7	1.4	.1
18	1257.7	238.5	1.4	.1
19	1258.0	240.6	1.4	.1
20	1258.3	242.7	1.3	.1
21	1258.6	244.8	1.3	.1
22	1258.9	247.0	1.3	.1
23	1259.3	249.2	1.3	.1
24	1259.6	251.3	1.3	.1
25	1259.9	253.4	1.3	.1
26	1260.3	255.7	1.3	.1
27	1260.6	257.8	1.3	.1
28	1260.9	259.9	1.3	.1
29	1261.2	262.0	1.3	.1
30	1261.5	264.2	1.3	.1
TOTAL			39.9	3.0
Inf. Ac. Ft.			79.3	
Outf. Ac. Ft.			5.9 + (2.0)	
Max. Mean Daily Inf.			2.8 cfs	
Min. Mean Daily Inf.			1.1 cfs	
Storage Change			71.3 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1262.8	267.5	1.3	.1
2	1262.9	268.6	1.3	.1
3	1263.2	270.7	1.3	.1
4	1263.5	272.8	1.3	.1
5	1263.8	274.9	1.3	.1
6	1264.1	277.0	1.3	.1
7	1264.4	279.1	1.3	.1
8	1264.6	280.8	1.3	.1
9	1264.9	283.0	1.3	.1
10	1265.0	283.6	1.3	.1
11	1265.3	286.0	1.3	.1
12	1265.6	288.2	1.3	.1
13	1265.9	289.8	1.2	.1
14	1266.2	292.0	1.2	.1
15	1266.5	293.6	1.2	.1
16	1266.8	295.7	1.2	.1
17	1267.1	297.3	1.2	.1
18	1267.4	299.4	1.2	.1
19	1267.7	301.0	1.2	.1
20	1268.0	302.5	1.2	.1
21	1268.3	304.6	1.2	.1
22	1268.6	306.2	1.2	.1
23	1268.9	307.8	1.2	.1
24	1269.2	309.4	1.2	.1
25	1269.5	311.0	1.2	.1
26	1269.8	312.6	1.2	.1
27	1270.1	314.2	1.2	.1
28	1270.4	315.8	1.2	.1
29	1270.7	317.4	1.2	.1
30	1271.0	319.0	1.2	.1
31	1271.3	320.5	1.2	.1
TOTAL			38.0	3.0
Inf. Ac. Ft.			75.5	
Outf. Ac. Ft.			5.8 + (2.9)	
Max. Mean Daily Inf.			1.7 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			66.5 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1272.0	321.8	1.2	.1
2	1272.3	323.4	1.2	.1
3	1272.6	324.9	1.2	.1
4	1272.9	326.5	1.2	.1
5	1273.2	328.1	1.2	.1
6	1273.5	329.7	1.2	.1
7	1273.8	331.3	1.2	.1
8	1274.1	332.9	1.2	.1
9	1274.4	334.5	1.2	.1
10	1274.7	336.1	1.2	.1
11	1275.0	337.7	1.2	.1
12	1275.3	339.3	1.2	.1
13	1275.6	340.9	1.2	.1
14	1275.9	342.5	1.2	.1
15	1276.2	344.1	1.2	.1
16	1276.5	345.7	1.2	.1
17	1276.8	347.3	1.2	.1
18	1277.1	348.9	1.2	.1
19	1277.4	350.5	1.2	.1
20	1277.7	352.1	1.2	.1
21	1278.0	353.7	1.2	.1
22	1278.3	355.3	1.2	.1
23	1278.6	356.9	1.2	.1
24	1278.9	358.5	1.2	.1
25	1279.2	360.1	1.2	.1
26	1279.5	361.7	1.2	.1
27	1279.8	363.3	1.2	.1
28	1280.1	364.9	1.2	.1
29	1280.4	366.5	1.2	.1
30	1280.7	368.1	1.2	.1
31	1281.0	369.7	1.2	.1
TOTAL			36.2	3.1
Inf. Ac. Ft.			71.7	
Outf. Ac. Ft.			6.1 + (3.0)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			-33.3 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1281.3	371.3	1.2	.1
2	1281.6	372.9	1.2	.1
3	1281.9	374.5	1.2	.1
4	1282.2	376.1	1.2	.1
5	1282.5	377.7	1.2	.1
6	1282.8	379.3	1.2	.1
7	1283.1	380.9	1.2	.1
8	1283.4	382.5	1.2	.1
9	1283.7	384.1	1.2	.1
10	1284.0	385.7	1.2	.1
11	1284.3	387.3	1.2	.1
12	1284.6	388.9	1.2	.1
13	1284.9	390.5	1.2	.1
14	1285.2	392.1	1.2	.1
15	1285.5	393.7	1.2	.1
16	1285.8	395.3	1.2	.1
17	1286.1	396.9	1.2	.1
18	1286.4	398.5	1.2	.1
19	1286.7	400.1	1.2	.1
20	1287.0	401.7	1.2	.1
21	1287.3	403.3	1.2	.1
22	1287.6	404.9	1.2	.1
23	1287.9	406.5	1.2	.1
24	1288.2	408.1	1.2	.1
25	1288.5	409.7	1.2	.1
26	1288.8	411.3	1.2	.1
27	1289.1	412.9	1.2	.1
28	1289.4	414.5	1.2	.1
TOTAL			33.6	2.8
Inf. Ac. Ft.			66.6	
Outf. Ac. Ft.			5.6 + (2.8)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			-66.0 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1289.6	416.1	1.2	.1
2	1289.8	417.7	1.2	.1
3	1290.1	419.3	1.2	.1
4	1290.4	420.9	1.2	.1
5	1290.7	422.5	1.2	.1
6	1291.0	424.1	1.2	.1
7	1291.3	425.7	1.2	.1
8	1291.6	427.3	1.2	.1
9	1291.9	428.9	1.2	.1
10	1292.2	430.5	1.2	.1
11	1292.5	432.1	1.2	.1
12	1292.8	433.7	1.2	.1
13	1293.1	435.3	1.2	.1
14	1293.4	436.9	1.2	.1
15	1293.7	438.5	1.2	.1
16	1294.0	440.1	1.2	.1
17	1294.3	441.7	1.2	.1
18	1294.6	443.3	1.2	.1
19	1294.9	444.9	1.2	.1
20	1295.2	446.5	1.2	.1
21	1295.5	448.1	1.2	.1
22	1295.8	449.7	1.2	.1
23	1296.1	451.3	1.2	.1
24	1296.4	452.9	1.2	.1
25	1296.7	454.5	1.2	.1
26	1296.9	455.6	1.2	.1
27	1297.2	457.2	1.2	.1
28	1297.5	458.8	1.2	.1
29	1297.8	460.4	1.2	.1
30	1298.1	462.0	1.2	.1
31	1298.4	463.6	1.2	.1
TOTAL			37.2	3.1
Inf. Ac. Ft.			73.8	
Outf. Ac. Ft.			6.1 + (2.9)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			67.6 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1298.7	465.2	1.2	.1
2	1299.0	466.8	1.2	.1
3	1299.3	468.4	1.2	.1
4	1299.6	470.0	1.2	.1
5	1299.9	471.6	1.2	.1
6	1300.2	473.2	1.2	.1
7	1300.5	474.8	1.2	.1
8	1300.8	476.4	1.2	.1
9	1301.1	478.0	1.2	.1
10	1301.4	479.6	1.2	.1
11	1301.7	481.2	1.2	.1
12	1302.0	482.8	1.2	.1
13	1302.3	484.4	1.2	.1
14	1302.6	486.0	1.2	.1
15	1302.9	487.6	1.2	.1
16	1303.2	489.2	1.2	.1
17	1303.5	490.8	1.2	.1
18	1303.8	492.4	1.2	.1
19	1304.1	494.0	1.2	.1
20	1304.4	495.6	1.2	.1
21	1304.7	497.2	1.2	.1
22	1305.0	498.8	1.2	.1
23	1305.3	500.4	1.2	.1
24	1305.6	502.0	1.2	.1
25	1305.9	503.6	1.2	.1
26	1306.2	505.2	1.2	.1
27	1306.5	506.8	1.2	.1
28	1306.8	508.4	1.2	.1
29	1307.1	510.0	1.2	.1
30	1307.4	511.6	1.2	.1
TOTAL			36.0	3.0
Inf. Ac. Ft.			71.5	
Outf. Ac. Ft.			5.9 + (2.9)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			66.5 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1307.7	513.2	1.2	.1
2	1308.0	514.8	1.2	.1
3	1308.3	516.4	1.2	.1
4	1308.6	518.0	1.2	.1
5	1308.9	519.6	1.2	.1
6	1309.2	521.2	1.2	.1
7	1309.5	522.8	1.2	.1
8	1309.8	524.4	1.2	.1
9	1310.1	526.0	1.2	.1
10	1310.4	527.6	1.2	.1
11	1310.7	529.2	1.2	.1
12	1311.0	530.8	1.2	.1
13	1311.3	532.4	1.2	.1
14	1311.6	534.0	1.2	.1
15	1311.9	535.6	1.2	.1
16	1312.2	537.2	1.2	.1
17	1312.5	538.8	1.2	.1
18	1312.8	540.4	1.2	.1
19	1313.1	542.0	1.2	.1
20	1313.4	543.6	1.2	.1
21	1313.7	545.2	1.2	.1
22	1314.0	546.8	1.2	.1
23	1314.3	548.4	1.2	.1
24	1314.6	550.0	1.2	.1
25	1314.9	551.6	1.2	.1
26	1315.2	553.2	1.2	.1
27	1315.5	554.8	1.2	.1
28	1315.8	556.4	1.2	.1
29	1316.1	558.0	1.2	.1
30	1316.4	559.6	1.2	.1
31	1316.7	561.2	1.2	.1
TOTAL			37.2	3.1
Inf. Ac. Ft.			73.8	
Outf. Ac. Ft.			6.1 + (3.0)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			-66.0 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1248.4	284.9	1.0	.1
2	1249.2	286.7	1.0	.1
3	1249.9	287.9	1.0	.2
4	1250.2	289.7	1.0	.1
5	1250.5	291.5	.9	.1
6	1250.7	292.7	.9	.1
7	1250.9	293.9	.9	.1
8	1251.2	295.8	.9	.1
9	1251.5	297.6	.9	.1
10	1251.8	298.8	.9	.1
11	1252.0	300.7	.9	.1
12	1252.3	302.6	.9	.1
13	1252.5	303.8	.9	.1
14	1252.7	305.2	.9	.1
15	1252.9	306.5	.9	.1
16	1253.2	308.4	.9	.1
17	1253.4	309.6	.9	.1
18	1253.6	310.9	.9	.1
19	1253.8	312.2	.9	.1
20	1254.0	313.4	.9	.1
21	1254.2	314.8	.9	.1
22	1254.4	316.1	.8	.1
23	1254.6	317.4	.8	.1
24	1254.8	318.6	.8	.1
25	1255.1	320.8	.8	.1
26	1255.4	322.8	.8	.1
27	1255.6	324.1	.8	.1
28	1255.8	325.4	.8	.1
29	1256.0	326.8	.8	.1
30	1256.2	328.1	.8	.1
31				
TOTAL			26.6	3.0
Inf. Ac. Ft.			52.8	
Outf. Ac. Ft.			6.0 + (2.4)	
Max. Mean Daily Inf.			1.0	
Min. Mean Daily Inf.			.8	
Storage Change			-44.4	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1256.4	329.5	.7	.1
2	1256.6	330.9	.7	.1
3	1256.7	331.5	.7	.1
4	1256.8	332.3	.7	.1
5	1256.9	332.9	.7	.1
6	1257.2	334.0	.7	.1
7	1257.3	334.7	.7	.1
8	1257.4	335.4	.7	.1
9	1257.6	336.6	.7	.1
10	1257.8	337.2	.6	.1
11	1257.9	337.8	.6	.1
12	1258.0	338.2	.6	.1
13	1258.1	338.6	.6	.1
14	1258.2	339.0	.6	.1
15	1258.3	339.4	.6	.1
16	1258.4	339.8	.6	.1
17	1258.5	340.1	.6	.1
18	1258.6	340.8	.6	.1
19	1258.7	341.5	.6	.1
20	1258.8	342.0	.6	.1
21	1258.9	342.6	.6	.1
22	1259.0	343.1	.6	.1
23	1259.2	343.7	.6	.1
24	1259.3	344.1	.6	.1
25	1259.6	344.8	.6	.1
26	1259.7	345.5	.6	.1
27	1259.8	345.9	.6	.1
28	1259.9	346.2	.6	.1
29	1260.0	346.9	.6	.1
30	1260.1	347.6	.6	.1
31	1260.2	348.4	.6	.1
TOTAL			18.6	3.1
Inf. Ac. Ft.			38.9	
Outf. Ac. Ft.			5.1 + (4.4)	
Max. Mean Daily Inf.			.7	
Min. Mean Daily Inf.			.6	
Storage Change			+28.3	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1260.3	349.1	.6	.1
2	1260.4	349.9	.6	.1
3	1260.4	349.9	.6	.1
4	1260.5	350.6	.6	.1
5	1260.7	351.1	.6	.1
6	1260.8	351.8	.6	.1
7	1260.8	351.8	.6	.1
8	1260.9	352.4	.6	.1
9	1261.0	352.9	.6	.1
10	1261.0	352.9	.6	.1
11	1261.1	353.5	.6	.1
12	1261.2	354.0	.6	.1
13	1261.3	354.6	.6	.1
14	1261.4	355.3	.6	.1
15	1261.5	355.8	.6	.1
16	1261.6	356.3	.6	.1
17	1261.7	356.8	.6	.1
18	1261.8	357.3	.6	.1
19	1261.9	357.8	.6	.1
20	1262.0	358.3	.6	.1
21	1262.1	358.8	.6	.1
22	1262.2	359.3	.6	.1
23	1262.3	359.8	.6	.1
24	1262.4	360.3	.6	.1
25	1262.5	360.8	.6	.1
26	1262.6	361.3	.6	.1
27	1262.7	361.8	.6	.1
28	1262.8	362.3	.6	.1
29	1262.9	362.8	.6	.1
30	1263.0	363.3	.6	.1
31	1263.1	363.8	.6	.2
TOTAL			17.9	3.1
Inf. Ac. Ft.			35.5	
Outf. Ac. Ft.			6.1 + (4.2)	
Max. Mean Daily Inf.			.6	
Min. Mean Daily Inf.			.5	
Storage Change			+25.2	

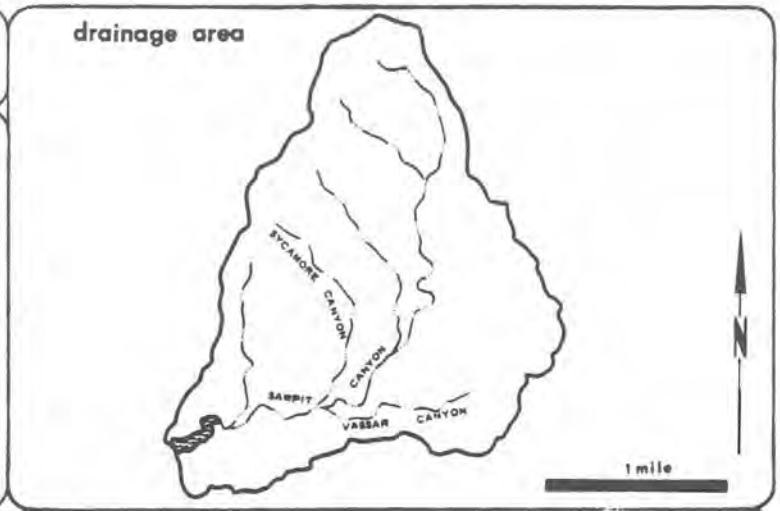
SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1263.2	364.3	.6	.1
2	1263.3	364.8	.6	.1
3	1263.4	365.3	.6	.1
4	1263.5	365.8	.6	.1
5	1263.6	366.3	.6	.1
6	1263.7	366.8	.6	.1
7	1263.8	367.3	.6	.1
8	1263.9	367.8	.6	.1
9	1264.0	368.3	.6	.1
10	1264.1	368.8	.6	.1
11	1264.2	369.3	.6	.1
12	1264.3	369.8	.6	.1
13	1264.4	370.3	.6	.1
14	1264.5	370.8	.6	.1
15	1264.6	371.3	.6	.1
16	1264.7	371.8	.6	.1
17	1264.8	372.3	.6	.1
18	1264.9	372.8	.6	.1
19	1265.0	373.3	.6	.1
20	1265.1	373.8	.6	.1
21	1265.2	374.3	.6	.1
22	1265.3	374.8	.6	.1
23	1265.4	375.3	.6	.1
24	1265.5	375.8	.6	.1
25	1265.6	376.3	.6	.1
26	1265.7	376.8	.6	.1
27	1265.8	377.3	.6	.1
28	1265.9	377.8	.6	.1
29	1266.0	378.3	.6	.1
30	1266.1	378.8	.6	.2
TOTAL			17.8	3.0
Inf. Ac. Ft.			35.3	
Outf. Ac. Ft.			6.0 + (4.1)	
Max. Mean Daily Inf.			.6	
Min. Mean Daily Inf.			.5	
Storage Change			-111.2	

Max. W.S. Elev.	1272.2	Feet	on	12/29/71	Storage	318.6	Acre-Feet
Min. W.S. Elev.	1240.5	Feet	on	10/1/71	Storage	139.0	Acre-Feet
Max. Peak Inf.	99.0	CFS from	2100 P.M.	12/24/71	to	2400 P.M.	on 12/25/71
Max. Peak Outf.	37.0	CFS from	0100 A.M.	3/23/72	to	12:30 Noon	on 3/23/72

REMARKS: ( ) Indicates average for period.
[ ] Indicates evaporation losses.

SAWPIT DAM AND RESERVOIR



PURPOSE -
Flood Control and Conservation

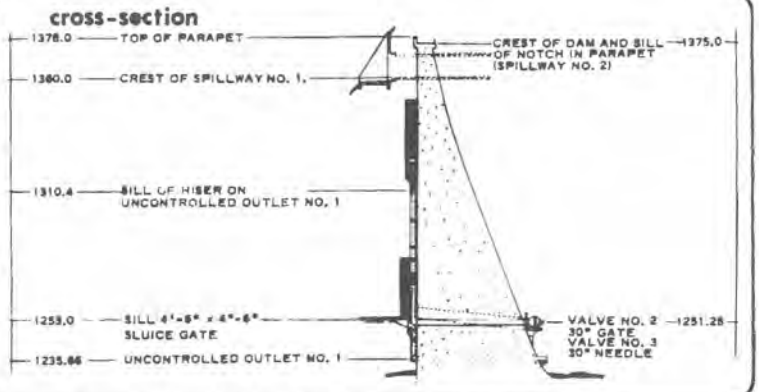
DATE CONSTRUCTED -
Started March 1926 - Completed June 1927

LOCATION - 2.0 miles north of Monrovia

DRAINAGE AREA - 3.2 square miles

CAPACITY - 391 acre-feet

SPILLWAY ELEVATION - 1,360.0 feet



SAWPIT DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1927-28	26	N.D.	0	39			N.D.
1928-29	96	5.3	0	108			N.D.
1929-30	219	7.9	0	208			N.D.
1930-31	97	3.9	0	68			N.D.
1931-32	710	56	0	726	2	9	76
1932-33	184	8.6	0	185			N.D.
1933-34	468	106	0	457	1	1	240
1934-35	548	36	0	540	4	8	168
1935-36	574	22	0	574	2	11	72
1936-37	1434	36	0	1401			N.D.
1937-38	2909	384	0	2868	3	2	1070
1938-39	232	17	0	170			N.D.
1939-40	264	11	0	308	1	8	39
1940-41	2180	63	0	2195	3	4	109
1941-42	107	3.7	0	39	12	29	4.8
1942-43	2966	162	0	2950	1	23	520
1943-44	747	73	0	743	2	22	138
1944-45	316	16	0	319	11	11	59
1945-46	254	24	0	250	12	23	85
1946-47	362	23	0	361	11	20	77
1947-48	23	0.3	0	5.1	4	28	2.9
1948-49	42	0.4	0	32	3	10	0.9
1949-50	86	21	0	77	12	18	7.9
1950-51	32	0.8	0	32	1	11	2.4
1951-52	1112	60	0	1092	1	16	226
1952-53	88	3.2	0	82	12	1	34
1953-54	274	14	0	263	1	24	105
1954-55	142	4.3	0	139	11	11	73
1955-56	204	37	+	210	1	26	48
1956-57	80	0.8	0	65	2	23	8.1
1957-58	1371	46	0	1368	4	3	112
1958-59	815	36	0.1	804	1	6	1600
1959-60	201	4.8	+	163	4	27	70
1960-61	111	1.7	0	144	11	5	12
1961-62	1269	122	0.1	1236	2	11	282
1962-63	256	12	0.1	256	2	9	77
1963-64	271	3.7	0	294	1	21	10
1964-65	405	9.7	0.1	355	4	9	27
1965-66	2224	87	0	2218	12	29	423
1966-67	3985	157	1.1	3980	12	6	307
1967-68	1510	12	0.8	1510	11	19	32
1968-69	7555	635	0.9	9498	1	25	1060
1969-70	1496	36	0.5	1407	2	28	187
1970-71	733	21	0.4	733	11	29	70
1971-72	521	5.6	0.3	521	12	24	16

N.D. = NOT DETERMINED
+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1969-70

DRAINAGE AREA 3.34 SQ. MI.
CAPACITY OF RESERVOIR 291.0 AC. FT.
@ SPILLWAY ELEVATION 1,280.0 FT.
as of NOVEMBER, 19 69

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1259.0	0	2.0	2.0
2	1259.0	0	2.0	2.0
3	1259.0	0	2.1	2.1
4	1259.0	0	2.0	2.0
5	1259.0	0	1.9	1.9
6	1259.0	0	1.8	1.8
7	1259.0	0	1.7	1.7
8	1259.0	0	1.6	1.6
9	1259.0	0	1.6	1.6
10	1259.0	0	1.6	1.6
11	1259.0	0	1.7	1.7
12	1259.0	0	1.8	1.8
13	1259.0	0	1.9	1.9
14	1259.0	0	2.0	2.0
15	1259.0	0	2.0	2.0
16	1259.0	0	2.0	2.0
17	1259.0	0	2.0	2.0
18	1259.0	0	2.0	2.0
19	1259.0	0	2.0	2.0
20	1259.0	0	2.0	2.0
21	1259.0	0	2.0	2.0
22	1259.0	0	2.0	2.0
23	1259.0	0	2.0	2.0
24	1259.0	0	2.0	2.0
25	1259.0	0	2.0	2.0
26	1259.0	0	2.0	2.0
27	1259.0	0	2.0	2.0
28	1259.0	0	2.0	2.0
29	1259.0	0	2.0	2.0
30	1259.0	0	2.0	2.0
31	1259.0	0	2.0	2.0
TOTAL			62.9	62.9
Inf. Ac. Ft.			118.8	
Outf. Ac. Ft.			118.8 + (.0)	
Max. Mean Daily Inf.			2.2 cfs	
Min. Mean Daily Inf.			1.6 cfs	
Storage Change			0 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1259.0	0	2.0	2.0
2	1259.0	0	2.0	2.0
3	1259.0	0	2.0	2.0
4	1259.0	0	2.0	2.0
5	1259.0	0	2.0	2.0
6	1259.2	7.1	7.6	5.6
7	1259.3	10.7	4.7	4.7
8	1259.1	12.4	3.4	3.4
9	1259.2	14.1	3.4	3.4
10	1259.9	33.4	2.8	2.8
11	1261.8	37.4	5.1	5.1
12	1263.8	41.8	6.7	6.7
13	1266.4	47.9	9.1	9.1
14	1268.4	52.8	7.6	7.6
15	1269.7	56.0	5.8	5.8
16	1270.4	61.4	3.8	3.8
17	1269.9	67.8	3.0	3.0
18	1269.4	72.4	2.9	2.9
19	1268.9	77.4	2.6	2.6
20	1268.3	82.4	2.6	2.6
21	1269.6	86.6	3.8	3.8
22	1270.4	89.5	2.2	2.2
23	1270.4	89.5	2.0	2.0
24	1270.4	89.5	1.2	1.2
25	1270.4	89.5	1.4	1.4
26	1270.4	89.5	1.5	1.5
27	1270.4	89.5	1.5	1.5
28	1270.4	89.5	1.5	1.5
29	1270.4	89.5	1.5	1.5
30	1270.4	89.5	1.6	1.6
TOTAL			73.1	70.2
Inf. Ac. Ft.			145.0	
Outf. Ac. Ft.			55.5 + (.0)	
Max. Mean Daily Inf.			7.6 cfs	
Min. Mean Daily Inf.			1.0 cfs	
Storage Change			89.5 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1270.4	89.5	1.8	1.8
2	1270.4	89.5	1.6	1.6
3	1270.4	89.5	1.5	1.5
4	1270.4	89.5	1.4	1.4
5	1270.4	89.5	1.4	1.4
6	1270.4	89.5	1.5	1.5
7	1270.4	89.5	1.6	1.6
8	1270.4	89.5	1.6	1.6
9	1270.4	89.5	1.6	1.6
10	1270.4	89.5	1.7	1.7
11	1270.4	89.5	1.8	1.8
12	1270.4	89.5	1.8	1.8
13	1270.4	89.5	1.8	1.8
14	1270.4	89.5	1.8	1.8
15	1270.4	89.5	1.8	1.8
16	1270.4	89.5	1.8	1.8
17	1270.4	89.5	1.8	1.8
18	1270.4	89.5	1.8	1.8
19	1270.4	89.5	1.8	1.8
20	1270.4	89.5	1.8	1.8
21	1270.4	89.5	1.8	1.8
22	1270.4	89.5	1.8	1.8
23	1270.4	89.5	1.8	1.8
24	1270.4	89.5	1.8	1.8
25	1270.4	89.5	1.8	1.8
26	1270.4	89.5	1.8	1.8
27	1270.4	89.5	1.8	1.8
28	1270.4	89.5	1.8	1.8
29	1270.4	89.5	1.8	1.8
30	1270.4	89.5	1.8	1.8
31	1270.4	89.5	1.8	1.8
TOTAL			53.7	53.7
Inf. Ac. Ft.			106.5	
Outf. Ac. Ft.			106.5 + (.0)	
Max. Mean Daily Inf.			2.0 cfs	
Min. Mean Daily Inf.			1.4 cfs	
Storage Change			0 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	2.1	2.1
2	1310.4	89.5	2.1	2.1
3	1310.4	89.5	2.2	2.2
4	1310.4	89.5	2.1	2.1
5	1310.4	89.5	2.1	2.1
6	1310.4	89.5	2.1	2.1
7	1310.4	89.5	2.1	2.1
8	1310.4	89.5	2.2	2.2
9	1310.4	89.5	2.2	2.2
10	1310.4	89.5	2.3	2.3
11	1310.4	89.5	2.2	2.2
12	1310.4	89.5	2.2	2.2
13	1310.4	89.5	2.2	2.2
14	1310.4	89.5	2.2	2.2
15	1310.4	89.5	2.2	2.2
16	1310.4	89.5	2.2	2.2
17	1310.4	89.5	2.2	2.2
18	1310.4	89.5	2.1	2.1
19	1310.4	89.5	2.1	2.1
20	1310.4	89.5	2.1	2.1
21	1310.4	89.5	2.0	2.0
22	1310.4	89.5	2.0	2.0
23	1310.4	89.5	2.0	2.0
24	1310.4	89.5	2.0	2.0
25	1310.4	89.5	2.0	2.0
26	1310.4	89.5	2.1	2.1
27	1310.4	89.6	2.1	2.1
28	1310.4	89.5	2.2	2.2
29	1310.4	89.5	2.2	2.2
30	1310.4	89.5	2.1	2.1
31	1310.4	89.5	2.0	2.0
TOTAL			67.3	67.3
Inf. Ac. Ft.			133.4	
Outf. Ac. Ft.			133.4 + (.0)	
Max. Mean Daily Inf.			2.5 cfs	
Min. Mean Daily Inf.			2.0 cfs	
Storage Change			0 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.9	1.9
2	1310.4	89.5	1.8	1.8
3	1310.4	89.5	1.7	1.7
4	1310.4	89.5	1.6	1.6
5	1310.4	89.5	1.5	1.5
6	1310.4	89.5	1.4	1.4
7	1310.4	89.5	1.4	1.4
8	1310.4	89.5	1.4	1.4
9	1310.4	89.5	1.5	1.5
10	1310.4	89.7	3.5	3.4
11	1310.5	90.2	6.2	5.1
12	1310.7	91.3	5.3	5.3
13	1310.9	92.5	5.1	5.1
14	1310.8	92.0	2.7	2.7
15	1310.4	89.5	2.3	2.3
16	1310.4	89.5	2.3	2.3
17	1310.4	89.5	2.1	2.1
18	1310.4	89.5	2.1	2.1
19	1310.4	89.5	1.9	1.9
20	1310.4	89.5	1.9	1.9
21	1310.4	89.5	1.9	1.9
22	1310.4	89.5	1.9	1.9
23	1310.4	89.5	1.7	1.7
24	1310.4	89.5	1.7	1.7
25	1310.4	89.5	1.7	1.7
26	1310.4	89.5	1.4	1.4
27	1310.4	89.5	1.4	1.4
28	1311.5	136.2	35.2	12.0
29				
30				
31				
TOTAL			100.2	76.7
Inf. Ac. Ft.			198.7	
Outf. Ac. Ft.			152.1 + (.0)	
Max. Mean Daily Inf.			35.5 cfs	
Min. Mean Daily Inf.			1.4 cfs	
Storage Change			46.6 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1318.5	122.4	21.0	4.0
2	1316.2	111.4	9.2	3.2
3	1313.4	98.4	7.2	3.2
4	1311.7	93.3	12.0	3.2
5	1310.7	90.4	12.2	3.2
6	1310.6	90.3	8.9	3.2
7	1310.6	90.3	10.0	10.0
8	1310.5	89.9	7.3	7.3
9	1310.5	90.3	7.6	7.6
10	1310.5	89.9	4.7	4.7
11	1310.5	89.9	4.2	4.2
12	1310.5	89.9	4.0	4.0
13	1310.5	89.9	3.8	3.8
14	1310.5	89.9	3.4	3.4
15	1310.5	89.9	3.6	3.6
16	1310.5	89.9	3.4	3.4
17	1310.5	89.9	3.4	3.4
18	1310.5	89.9	3.4	3.4
19	1310.5	89.9	3.4	3.4
20	1310.5	89.9	3.4	3.4
21	1310.5	89.9	3.4	3.4
22	1310.5	89.9	3.4	3.4
23	1310.5	89.9	3.4	3.4
24	1310.5	89.9	3.3	3.3
25	1310.5	89.9	3.2	3.2
26	1310.5	89.9	3.2	3.2
27	1310.4	89.5	3.0	3.0
28	1310.4	89.5	3.0	3.0
29	1310.4	89.5	3.0	3.0
30	1310.4	89.5	3.0	3.0
31	1310.4	89.5	3.0	3.0
TOTAL			191.2	214.8
Inf. Ac. Ft.			379.4	
Outf. Ac. Ft.			426.0 + (.2)	
Max. Mean Daily Inf.			76.5 cfs	
Min. Mean Daily Inf.			2.8 cfs	
Storage Change			-46.6 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	3.2	3.2
2	1310.4	89.5	3.2	3.2
3	1310.4	89.5	3.2	3.2
4	1310.4	89.5	3.2	3.2
5	1310.4	89.5	3.2	3.2
6	1310.4	89.5	3.0	3.0
7	1310.4	89.5	3.0	3.0
8	1310.4	89.5	3.0	3.0
9	1310.4	89.5	3.0	3.0
10	1310.4	89.5	3.0	3.0
11	1310.4	89.5	3.0	3.0
12	1310.4	89.5	2.9	2.9
13	1310.4	89.5	2.9	2.9
14	1310.4	89.5	2.9	2.9
15	1310.4	89.5	2.7	2.7
16	1310.4	89.5	2.6	2.6
17	1310.4	89.5	2.6	2.6
18	1310.4	89.5	2.5	2.5
19	1310.4	89.5	2.5	2.5
20	1310.4	89.5	2.1	2.1
21	1310.4	89.5	2.1	2.1
22	1310.4	89.5	2.0	2.0
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.8	1.8
30	1310.4	89.5	1.8	1.8
TOTAL			76.3	76.3
Inf. Ac. Ft.			151.4	
Outf. Ac. Ft.			151.3 + (.0)	
Max. Mean Daily Inf.			3.2 cfs	
Min. Mean Daily Inf.			1.8 cfs	
Storage Change			0 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	3.2	3.2
2	1314.4	[illegible]	[illegible]	3.2
3	1316.4	[illegible]	[illegible]	3.5
4	1310.4	89.5	3.5	3.5
5	1310.4	89.5	3.2	3.2
6	1310.4	89.5	3.1	3.1
7	1310.4	89.5	3.0	3.0
8	1310.4	89.5	3.0	3.0
9	1310.4	89.5	3.0	3.0
10	1311.3	91.4	3.4	3.4
11	1310.9	90.2	3.0	3.0
12	1310.4	89.5	2.5	2.5
13	1310.4	89.5	2.4	2.4
14	1310.4	89.5	2.4	2.4
15	1310.4	89.5	2.4	2.4
16	1310.4	89.5	2.6	2.6
17	1310.4	89.5	2.6	2.6
18	1310.4	89.5	2.5	2.5
19	1310.4	89.5	2.3	2.3
20	1310.4	89.5	2.3	2.3
21	1310.4	89.5	2.1	2.1
22	1310.4	89.5	2.0	2.0
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.8	1.8
30	1310.4	89.5	1.8	1.8
31	1310.4	89.5	1.8	1.8
TOTAL			80.4	80.4
Inf. Ac. Ft.			160.1	
Outf. Ac. Ft.			160.1 + (.0)	
Max. Mean Daily Inf.			3.6 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			0 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.9	1.9
2	1310.4	89.5	1.9	1.9
3	1310.4	89.5	1.9	1.9
4	1310.4	89.5	1.9	1.9
5	1310.4	89.5	1.9	1.9
6	1310.4	89.5	1.9	1.9
7	1310.4	89.5	1.9	1.9
8	1310.4	89.5	1.9	1.9
9	1310.4	89.5	1.9	1.9
10	1310.4	89.5	1.9	1.9
11	1310.4	89.5	1.9	1.9
12	1310.4	89.5	1.9	1.9
13	1310.4	89.5	1.9	1.9
14	1310.4	89.5	1.9	1.9
15	1310.4	89.5	1.9	1.9
16	1310.4	89.5	1.9	1.9
17	1310.4	89.5	1.9	1.9
18	1310.4	89.5	1.9	1.9
19	1310.4	89.5	1.9	1.9
20	1310.4	89.5	1.9	1.9
21	1310.4	89.5	1.9	1.9
22	1310.4	89.5	1.9	1.9
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.9	1.9
30	1310.4	89.5	1.9	1.9
TOTAL			57.0	57.0
Inf. Ac. Ft.			113.0	
Outf. Ac. Ft.			113.0 + (.0)	
Max. Mean Daily Inf.			1.9 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			0 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.9	1.9
2	1310.4	89.5	1.9	1.9
3	1310.4	89.5	1.9	1.9
4	1310.4	89.5	1.9	1.9
5	1310.4	89.5	1.9	1.9
6	1310.4	89.5	1.9	1.9
7	1310.4	89.5	1.9	1.9
8	1310.4	89.5	1.9	1.9
9	1310.4	89.5	1.9	1.9
10	1310.4	89.5	1.9	1.9
11	1310.4	89.5	1.9	1.9
12	1310.4	89.5	1.9	1.9
13	1310.4	89.5	1.9	1.9
14	1310.4	89.5	1.9	1.9
15	1310.4	89.5	1.9	1.9
16	1310.4	89.5	1.9	1.9
17	1310.4	89.5	1.9	1.9
18	1310.4	89.5	1.9	1.9
19	1310.4	89.5	1.9	1.9
20	1310.4	89.5	1.9	1.9
21	1310.4	89.5	1.9	1.9
22	1310.4	89.5	1.9	1.9
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.9	1.9
30	1310.4	89.5	1.9	1.9
31	1310.4	89.5	1.9	1.9
TOTAL			58.9	58.9
Inf. Ac. Ft.			116.8	
Outf. Ac. Ft.			116.8 + (.0)	
Max. Mean Daily Inf.			1.9 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			0 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.9	1.9
2	1310.4	89.5	1.9	1.9
3	1310.4	89.5	1.9	1.9
4	1310.4	89.5	1.9	1.9
5	1310.4	89.5	1.9	1.9
6	1310.4	89.5	1.9	1.9
7	1310.4	89.5	1.9	1.9
8	1310.4	89.5	1.9	1.9
9	1310.4	89.5	1.9	1.9
10	1310.4	89.5	1.9	1.9
11	1310.4	89.5	1.9	1.9
12	1310.4	89.5	1.9	1.9
13	1310.4	89.5	1.9	1.9
14	1310.4	89.5	1.9	1.9
15	1310.4	89.5	1.9	1.9
16	1310.4	89.5	1.9	1.9
17	1310.4	89.5	1.9	1.9
18	1310.4	89.5	1.9	1.9
19	1310.4	89.5	1.9	1.9
20	1310.4	89.5	1.9	1.9
21	1310.4	89.5	1.9	1.9
22	1310.4	89.5	1.9	1.9
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.9	1.9
30	1310.4	89.5	1.9	1.9
31	1310.4	89.5	1.9	1.9
TOTAL			58.9	58.9
Inf. Ac. Ft.			116.8	
Outf. Ac. Ft.			116.8 + (.0)	
Max. Mean Daily Inf.			1.9 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			0 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.9	1.9
2	1310.4	89.5	1.9	1.9
3	1310.4	89.5	1.9	1.9
4	1310.4	89.5	1.9	1.9
5	1310.4	89.5	1.9	1.9
6	1310.4	89.5	1.9	1.9
7	1310.4	89.5	1.9	1.9
8	1310.4	89.5	1.9	1.9
9	1310.4	89.5	1.9	1.9
10	1310.4	89.5	1.9	1.9
11	1310.4	89.5	1.9	1.9
12	1310.4	89.5	1.9	1.9
13	1310.4	89.5	1.9	1.9
14	1310.4	89.5	1.9	1.9
15	1310.4	89.5	1.9	1.9
16	1310.4	89.5	1.9	1.9
17	1310.4	89.5	1.9	1.9
18	1310.4	89.5	1.9	1.9
19	1310.4	89.5	1.9	1.9
20	1310.4	89.5	1.9	1.9
21	1310.4	89.5	1.9	1.9
22	1310.4	89.5	1.9	1.9
23	1310.4	89.5	1.9	1.9
24	1310.4	89.5	1.9	1.9
25	1310.4	89.5	1.9	1.9
26	1310.4	89.5	1.9	1.9
27	1310.4	89.5	1.9	1.9
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.9	1.9
30	1310.4	89.5	1.9	1.9
TOTAL			56.9	56.9
Inf. Ac. Ft.			112.7	
Outf. Ac. Ft.			112.7 + (.0)	
Max. Mean Daily Inf.			1.9 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			0 A.F.	

Max. W.S. Elev. 1322.1 feet on 3/1/70 Storage 139.0 Acre-Feet
Min. W.S. Elev. 1259.0 feet on VARIOUS DATES Storage 0 Acre-Feet
Max. Peak Inf. 1377 CFS from 4:00 p.m. on 2/28/70 to 4:00 p.m. on 3/1/70
Max. Peak Outf. 71 CFS from 12:45 p.m. on 2/28/70 to 2:09 p.m. on 2/28/70

REMARKS: M Indicates average for period

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1970-71

DRAINAGE AREA 3.34 SQ. MI.
CAPACITY OF RESERVOIR 391.0 AC. FT..
SPILLWAY ELEVATION 1340.0 FT..
as of November 1, 19 69

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.5	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.5	.5
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.5
30	1310.4	89.5	.5	.5
31	1310.4	89.5	.5	.5
TOTAL			15.5	15.5
Inf. Ac. Ft.			30.7	
Outf. Ac. Ft.			30.7 + (.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.5	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.5	.5
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.7	.7
28	1310.8	91.0	2.6	1.9
29	1310.8	91.0	21.0	21.0
30	1310.5	89.9	2.7	3.2
TOTAL			39.9	39.8
Inf. Ac. Ft.			79.3	
Outf. Ac. Ft.			78.9 + (.0)	
Max. Mean Daily Inf.			21.0 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			.3 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.5	89.9	2.0	2.0
2	1310.5	89.9	2.6	2.6
3	1310.4	89.5	1.7	1.7
4	1310.4	89.5	.8	.8
5	1310.4	89.5	.6	.6
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.4	.4
8	1310.4	89.5	.4	.4
9	1310.4	89.5	.6	.6
10	1310.4	89.5	.4	.4
11	1310.4	89.5	.4	.4
12	1310.4	89.5	.4	.4
13	1310.4	89.5	.4	.4
14	1310.4	89.5	.4	.4
15	1310.4	89.5	.4	.4
16	1310.4	89.5	1.3	1.3
17	1310.4	89.5	.4	.4
18	1310.8	91.0	2.3	1.6
19	1310.6	90.3	4.1	4.5
20	1310.5	89.9	2.6	2.8
21	1310.7	90.6	11.2	10.9
22	1310.6	90.3	4.6	4.7
23	1310.5	89.9	3.2	3.4
24	1310.5	89.9	2.7	2.7
25	1310.5	89.9	2.4	2.4
26	1310.4	89.5	2.1	2.1
27	1310.4	89.5	2.1	2.1
28	1310.4	89.5	1.9	1.9
29	1310.4	89.5	1.8	1.8
30	1310.4	89.5	1.7	1.7
31	1310.4	89.5	1.6	1.6
TOTAL			58.1	58.3
Inf. Ac. Ft.			115.2	
Outf. Ac. Ft.			115.6 + (.0)	
Max. Mean Daily Inf.			11.2 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			-.3 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.7	1.7
2	1310.4	89.5	1.7	1.7
3	1310.4	89.5	1.7	1.7
4	1310.4	89.5	1.7	1.7
5	1310.4	89.5	1.7	1.7
6	1310.4	89.5	1.7	1.7
7	1310.4	89.5	1.7	1.7
8	1310.4	89.5	1.7	1.7
9	1310.4	89.5	1.7	1.7
10	1310.4	89.5	1.7	1.7
11	1310.4	89.5	1.7	1.7
12	1310.4	89.5	2.4	2.4
13	1310.4	89.5	1.9	1.9
14	1310.4	89.5	1.8	1.8
15	1310.4	89.5	1.8	1.8
16	1310.4	89.5	1.7	1.7
17	1310.4	89.5	1.6	1.6
18	1310.4	89.5	1.6	1.6
19	1310.4	89.5	1.6	1.6
20	1310.4	89.5	1.6	1.6
21	1310.4	89.5	1.6	1.6
22	1310.4	89.5	1.6	1.6
23	1310.4	89.5	1.6	1.6
24	1310.4	89.5	1.6	1.6
25	1310.4	89.5	1.6	1.6
26	1310.4	89.5	1.6	1.6
27	1310.4	89.5	1.6	1.6
28	1310.4	89.5	1.6	1.6
29	1310.4	89.5	1.6	1.6
30	1310.4	89.5	1.6	1.6
31	1310.4	89.5	1.6	1.6
TOTAL			52.4	52.4
Inf. Ac. Ft.			103.9	
Outf. Ac. Ft.			103.9 + (.0)	
Max. Mean Daily Inf.			2.4 cfs	
Min. Mean Daily Inf.			1.6 cfs	
Storage Change			0 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.5	1.5
2	1310.4	89.5	1.5	1.5
3	1310.4	89.5	1.5	1.5
4	1310.4	89.5	1.5	1.5
5	1310.4	89.5	1.5	1.5
6	1310.4	89.5	1.5	1.5
7	1310.4	89.5	1.4	1.4
8	1310.4	89.5	1.4	1.4
9	1310.4	89.5	1.4	1.4
10	1310.4	89.5	1.4	1.4
11	1310.4	89.5	1.4	1.4
12	1310.4	89.5	1.4	1.4
13	1310.4	89.5	1.4	1.4
14	1310.4	89.5	1.4	1.4
15	1310.4	89.5	1.4	1.4
16	1310.5	89.9	1.8	1.7
17	1310.4	89.5	2.2	2.4
18	1310.4	89.5	1.8	1.8
19	1310.4	89.5	1.7	1.7
20	1310.4	89.5	1.6	1.6
21	1310.4	89.5	1.5	1.5
22	1310.4	89.5	1.5	1.5
23	1310.4	89.5	1.5	1.5
24	1310.4	89.5	1.4	1.4
25	1310.4	89.5	1.4	1.4
26	1310.4	89.5	1.4	1.4
27	1310.4	89.5	1.4	1.4
28	1310.4	89.5	1.4	1.4
TOTAL			42.2	42.3
Inf. Ac. Ft.			83.9	
Outf. Ac. Ft.			83.9 + (.0)	
Max. Mean Daily Inf.			2.2 cfs	
Min. Mean Daily Inf.			1.4 cfs	
Storage Change			0 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.4	1.4
2	1310.4	89.5	1.4	1.4
3	1310.4	89.5	1.4	1.4
4	1310.4	89.5	1.4	1.4
5	1310.4	89.5	1.4	1.4
6	1310.4	89.5	1.4	1.4
7	1310.4	89.5	1.4	1.4
8	1310.4	89.5	1.4	1.4
9	1310.4	89.5	1.4	1.4
10	1310.4	89.5	1.4	1.4
11	1310.4	89.5	1.4	1.4
12	1310.4	89.5	1.4	1.4
13	1310.4	89.5	3.0	3.0
14	1310.4	89.5	1.7	1.7
15	1310.4	89.5	1.6	1.6
16	1310.4	89.5	1.5	1.5
17	1310.4	89.5	1.5	1.5
18	1310.4	89.5	1.4	1.4
19	1310.4	89.5	1.4	1.4
20	1310.4	89.5	1.4	1.4
21	1310.4	89.5	1.4	1.4
22	1310.4	89.5	1.3	1.3
23	1310.4	89.5	1.3	1.3
24	1310.4	89.5	1.3	1.3
25	1310.4	89.5	1.3	1.3
26	1310.4	89.5	1.3	1.3
27	1310.4	89.5	1.3	1.3
28	1310.4	89.5	1.3	1.3
29	1310.4	89.5	1.3	1.3
30	1310.4	89.5	1.3	1.3
31	1310.4	89.5	1.3	1.3
TOTAL			44.7	44.7
Inf. Ac. Ft.			88.6	
Outf. Ac. Ft.			88.6 + (.0)	
Max. Mean Daily Inf.			3.0 cfs	
Min. Mean Daily Inf.			1.3 cfs	
Storage Change			0 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.3	1.3
2	1310.4	89.5	1.3	1.3
3	1310.4	89.5	1.3	1.3
4	1310.4	89.5	1.3	1.3
5	1310.4	89.5	1.3	1.3
6	1310.4	89.5	1.2	1.2
7	1310.4	89.5	1.2	1.2
8	1310.4	89.5	1.2	1.2
9	1310.4	89.5	1.2	1.2
10	1310.4	89.5	1.2	1.2
11	1310.4	89.5	1.1	1.1
12	1310.4	89.5	1.1	1.1
13	1310.4	89.5	1.1	1.1
14	1310.4	89.5	1.1	1.1
15	1310.4	89.5	1.1	1.1
16	1310.4	89.5	1.0	1.0
17	1310.4	89.5	1.0	1.0
18	1310.4	89.5	1.0	1.0
19	1310.4	89.5	1.0	1.0
20	1310.4	89.5	1.0	1.0
21	1310.4	89.5	1.0	1.0
22	1310.4	89.5	1.0	1.0
23	1310.4	89.5	1.0	1.0
24	1310.4	89.5	1.0	1.0
25	1310.4	89.5	1.0	1.0
26	1310.4	89.5	1.0	1.0
27	1310.4	89.5	1.0	1.0
28	1310.4	89.5	1.0	1.0
29	1310.4	89.5	1.0	1.0
30	1310.4	89.5	1.0	1.0
TOTAL			33.0	33.0
Inf. Ac. Ft.			65.4	
Outf. Ac. Ft.			65.4 + (.0)	
Max. Mean Daily Inf.			1.3 cfs	
Min. Mean Daily Inf.			1.0 cfs	
Storage Change			0 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	1.0	1.0
2	1310.4	89.5	1.0	1.0
3	1310.4	89.5	1.0	1.0
4	1310.4	89.5	1.0	1.0
5	1310.4	89.5	1.0	1.0
6	1310.4	89.5	.9	.9
7	1310.4	89.5	.9	.9
8	1310.4	89.5	.9	.9
9	1310.4	89.5	.9	.9
10	1310.4	89.5	.9	.9
11	1310.4	89.5	.9	.9
12	1310.4	89.5	.8	.8
13	1310.4	89.5	.8	.8
14	1310.4	89.5	.8	.8
15	1310.4	89.5	.8	.8
16	1310.4	89.5	.7	.7
17	1310.4	89.5	.7	.7
18	1310.4	89.5	.7	.7
19	1310.4	89.5	.7	.7
20	1310.4	89.5	.7	.7
21	1310.4	89.5	.6	.6
22	1310.4	89.5	.6	.6
23	1310.4	89.5	.6	.6
24	1310.4	89.5	.6	.6
25	1310.4	89.5	.6	.6
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.5
30	1310.4	89.5	.5	.5
31	1310.4	89.5	.5	.5
TOTAL			23.0	23.0
Inf. Ac. Ft.			45.6	
Outf. Ac. Ft.			45.6 + (.0)	
Max. Mean Daily Inf.			1.0 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.5	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.4	.4
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.4
30	1310.4	89.5	.5	.5
31				
TOTAL			15.0	15.0
Inf. Ac. Ft.			29.7	
Outf. Ac. Ft.			29.7 + (.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.5	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.5	.5
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.5
30	1310.4	89.5	.5	.5
31	1310.4	89.5	.5	.5
TOTAL			15.5	15.5
Inf. Ac. Ft.			30.7	
Outf. Ac. Ft.			30.7 + (.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	.5	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.5	.5
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.5
30	1310.4	89.5	.5	.5
31	1310.4	89.5	.5	.5
TOTAL			15.5	15.5
Inf. Ac. Ft.			30.7	
Outf. Ac. Ft.			30.7 + (.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1310.4	89.5	.5	.5
2	1310.4	89.5	.5	.5
3	1310.4	89.5	.5	.5
4	1310.4	89.5	.5	.5
5	1310.4	89.5	.5	.5
6	1310.4	89.5	.5	.5
7	1310.4	89.5	[illegible]	.5
8	1310.4	89.5	.5	.5
9	1310.4	89.5	.5	.5
10	1310.4	89.5	.5	.5
11	1310.4	89.5	.5	.5
12	1310.4	89.5	.5	.5
13	1310.4	89.5	.5	.5
14	1310.4	89.5	.5	.5
15	1310.4	89.5	.5	.5
16	1310.4	89.5	.5	.5
17	1310.4	89.5	.5	.5
18	1310.4	89.5	.5	.5
19	1310.4	89.5	.5	.5
20	1310.4	89.5	.5	.5
21	1310.4	89.5	.5	.5
22	1310.4	89.5	.5	.5
23	1310.4	89.5	.5	.5
24	1310.4	89.5	.5	.5
25	1310.4	89.5	.5	.5
26	1310.4	89.5	.5	.5
27	1310.4	89.5	.5	.5
28	1310.4	89.5	.5	.5
29	1310.4	89.5	.5	.5
30	1310.4	89.5	.5	.5
TOTAL			15.0	15.0
Inf. Ac. Ft.			29.7	
Outf. Ac. Ft.			29.7 + (.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			0 A.F.	

Max. W.S. Elev. 1313.5 feet on 11/29/70 Storage 101.2 Acre-Feet
Min. W.S. Elev. 1310.4 feet on various days Storage 89.5 Acre-Feet
Max. Rate Inf. 76.5 CFS from 12:00 noon on 11/29/70 to 2:00 p.m. on 11/29/70
Max. Outf. Outf. 48.0 CFS from 3:15 p.m. on 11/29/70 to 5:00 p.m. on 11/29/70

REMARKS:

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAWPIT DAM

1971-72

DRAINAGE AREA 3.24 SQ. MI.
CAPACITY OF RESERVOIR 391.0 AC. FT.
SPILLWAY ELEVATION 1380.0 FT.
as of November 1, 1971

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1310.4	89.5	.5	.5	1310.4	89.5	.5	.6	1310.4	89.5	1.1	1.1	1310.4	89.5	1.2	1.2	1
2	1310.4	89.5	.5	.5	1310.4	89.5	.6	.6	1310.4	89.5	1.1	1.1	1310.4	89.5	1.0	1.0	2
3	1310.4	89.5	.5	.5	1310.4	89.5	.5	.5	1310.4	89.5	1.1	1.1	1310.4	89.5	1.0	1.0	3
4	1310.4	89.5	.5	.5	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	1.0	1.0	4
5	1310.4	89.5	.5	.5	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	.9	.9	5
6	1310.4	89.5	.5	.5	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	.9	.9	6
7	1310.4	89.5	.5	.5	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	.9	.9	7
8	1310.4	89.5	.5	.5	1310.4	89.5	.6	.6	1310.4	89.5	1.0	1.0	1310.4	89.5	.9	.9	8
9	1310.4	89.5	.5	.5	1310.4	89.5	.6	.6	1310.4	89.5	1.0	1.0	1310.4	89.5	.9	.9	9
10	1310.4	89.5	.5	.5	1310.4	89.5	.6	.6	1310.4	89.5	1.0	1.0	1310.4	89.5	1.2	1.2	10
11	1310.4	89.5	.5	.5	1310.4	89.5	.8	.8	1310.4	89.5	1.1	1.1	1310.4	89.5	1.1	1.1	11
12	1310.4	89.5	.5	.5	1310.4	89.5	1.3	1.3	1310.4	89.5	1.1	1.1	1310.4	89.5	.7	.7	12
13	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	13
14	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	14
15	1310.4	89.5	.5	.5	1310.4	89.5	1.0	1.0	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	15
16	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	16
17	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	17
18	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.1	1.1	1310.4	89.5	.7	.7	18
19	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.1	1.1	1310.4	89.5	.7	.7	19
20	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	20
21	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	21
22	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.8	1.8	1310.4	89.5	.7	.7	22
23	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.4	89.5	1.6	1.6	1310.4	89.5	.7	.7	23
24	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.5	90.4	5.6	5.7	1310.4	89.5	.7	.7	24
25	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.7	90.6	4.1	2.9	1310.4	89.5	.7	.7	25
26	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.5	89.9	1.8	2.2	1310.4	89.5	.7	.7	26
27	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.7	90.6	3.9	3.2	1310.4	89.5	.7	.7	27
28	1310.4	89.5	.5	.5	1310.4	89.5	.9	.9	1310.6	90.3	2.1	2.3	1310.4	89.5	.7	.7	28
29	1310.4	89.5	.5	.6	1310.4	89.5	1.0	1.0	1310.4	89.5	1.7	1.7	1310.4	89.5	.7	.7	29
30	1310.4	89.5	.6	.6	1310.4	89.5	1.0	1.0	1310.4	89.5	1.4	1.4	1310.4	89.5	.7	.7	30
31	1310.4	89.5	.6	.6					1310.4	89.5	1.2	1.2	1310.4	89.5	.7	.7	31
TOTAL			15.8	15.8			24.2	24.2			46.9	46.9			24.8	24.8	
Inf. Ac. Ft.			31.3				47.9				93.0				49.1		
Outf. Ac. Ft.			31.3 + (0)				47.9 + (0)				93.0 + (0)				49.1 + (0)		
Max. Mean Daily Inf.			.6 cfs				1.2 cfs				5.6 cfs				1.1 cfs		
Min. Mean Daily Inf.			.5 cfs				.5 cfs				1.0 cfs				.7 cfs		
Storage Change			0 A.F.				0 A.F.				0 A.F.				0 A.F.		

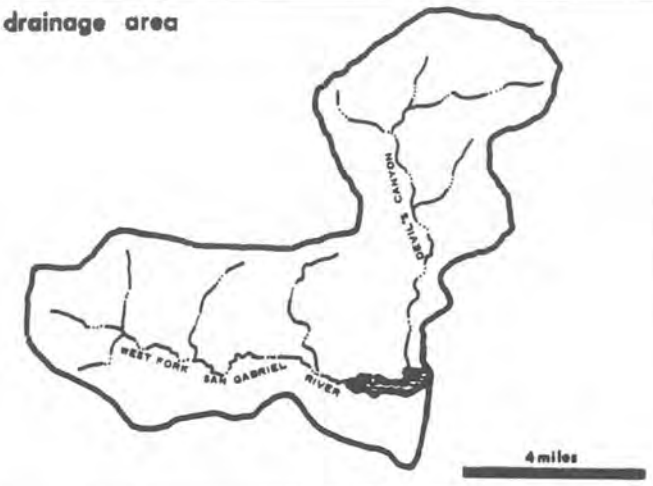
Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.7	.7	1
2	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.7	.7	2
3	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.7	.7	3
4	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	4
5	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	5
6	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	6
7	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	7
8	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	8
9	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	9
10	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	10
11	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	11
12	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	12
13	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.9	.9	1310.4	89.5	.6	.6	13
14	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	14
15	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	15
16	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	16
17	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	17
18	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	18
19	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	19
20	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	20
21	1310.4	89.5	.7	.7	1310.4	89.5	.8	.8	1310.4	89.5	.8	.8	1310.4	89.5	.6	.6	21
22	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	22
23	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	23
24	1310.4	89.5	.8	.8	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	24
25	1310.4	89.5	.8	.8	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	25
26	1310.4	89.5	.9	.9	1310.4	89.5	.8	.8	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	26
27	1310.4	89.5	.8	.8	1310.4	89.5	.8	.8	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	27
28	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	28
29	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	29
30					1310.4	89.5	.7	.7					1310.4	89.5	.6	.6	30
31					1310.4	89.5	.7	.7					1310.4	89.5	.6	.6	31
TOTAL			20.8	20.8			21.5	21.5			24.3	24.3			18.9	18.9	
Inf. Ac. Ft.			41.2				43.6				48.1				37.5		
Outf. Ac. Ft.			41.2 + (0)				43.6 + (0)				48.1 + (0)				37.5 + (.0)		
Max. Mean Daily Inf.			.2 cfs				.8 cfs				.9 cfs				.7 cfs		
Min. Mean Daily Inf.			.7 cfs				.6 cfs				.7 cfs				.6 cfs		
Storage Change			0 A.F.				0 cfs				0 A.F.				0 A.F.		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	[illegible]	.3	.3	1310.4	89.5	.6	.6	1
2	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.6	.6	2
3	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.6	.6	3
4	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.6	.6	4
5	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.6	.6	5
6	1310.4	89.5	.6	.6	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	6
7	1310.4	89.5	.6	.6	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	7
8	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	8
9	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	9
10	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	10
11	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	11
12	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	12
13	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	13
14	1310.4	89.5	.7	.7	1310.4	89.5	.6	.6	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	14
15	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	15
16	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	16
17	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	17
18	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.5	.5	18
19	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	19
20	1310.4	89.5	.7	.7	1310.4	89.5	.5	.5	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	20
21	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	21
22	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	22
23	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	23
24	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	24
25	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	25
26	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	26
27	1310.4	89.5	.7	.7	1310.4	89.5	.4	.4	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	27
28	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	28
29	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	29
30	1310.4	89.5	.7	.7	1310.4	89.5	.3	.3	1310.4	89.5	.3	.3	1310.4	89.5	.4	.4	30
31	[redacted]				1310.4	89.5	.3	.3	1310.4	89.5	.4	.4					31
TOTAL			20.3	20.3			15.0	15.0			15.0	15.0			14.3	14.3	
Inf. Ac. Ft.			40.3				31.7				29.8				28.4		
Outf. Ac. Ft.			40.3				31.7				29.8				28.4		
Max. Mean Daily Inf.			.7				.7				.6				.6		
Min. Mean Daily Inf.			.6				.3				.3				.5		
Storage Change			0				0				0				0		

Max. H.W. Elev. 1311.0 feet on 12/24/71 Storage 91.7 Acre-Feet
Min. H.W. El. 1310.4 feet on Various Days Storage 89.5 Acre-Feet
Max. Outf. Inf. 18.5 CFS from 12:00 Noon on 12/24/71 to 4:00 P.M. on 12/24/71
Max. Outf. Outf. 14.4 CFS from 11:45 A.M. on 12/24/71 to 2:45 P.M. on 12/24/71
Remarks

COGSWELL DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control, Conservation, and Recreation

DATE CONSTRUCTED -
Started March 1932 - Completed April 1934

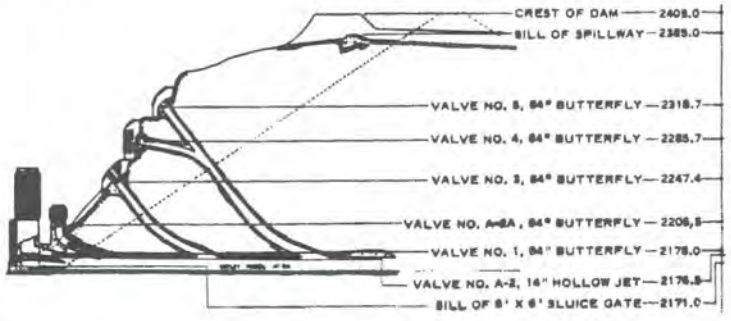
LOCATION - 22.0 miles north of Azusa

DRAINAGE AREA - 39.2 square miles

CAPACITY - 9,339 acre-feet

SPILLWAY ELEVATION - 2,385.0 feet

cross-section



COGSWELL DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1934-35	3517	54	0.1	3517			N.D.
1935-36	7154	265	0	7138			N.D.
1936-37	32986	943	0.1	32996	2	14	1240
1937-38	60336	7990	1.4	58799	3	2	24710
1938-39	11560	673	0.9	11369	9	25	1360
1939-40	9634	309	0.8	9569	1	8	2020
1940-41	61270	1400	0.5	59951	2	20	1640
1941-42	6080	108	0.3	7331	12	10	294
1942-43	54700	2320	0.7	53703	1	23	15000
1943-44	38150	2860	1.4	37460	2	22	4650
1944-45	11887	424	1.4	10385	11	11	1600
1945-46	14711	1260	0.8	16377	3	30	2790
1946-47	20135	1030	0.1	20135	12	25	2290
1947-48	3103	86	0.3	3032	4	29	262
1948-49	2911	32	0.3	2765	1	20	65
1949-50	3778	99	0.4	3536	12	18	239
1950-51	887	9.6	0.3	568	4	29	24
1951-52	33783	1260	0.3	25439	1	16	2640
1952-53	4410	70	0.8	12345	12	1	254
1953-54	8004	412	0.3	7500	1	24	1030
1954-55	3941	51	0.3	3165	4	30	176
1955-56	4070	419	0.1	3564	1	28	1040
1956-57	3421	225	0.2	3757	1	13	685
1957-58	36476	1460	0	34530	4	3	3710
1958-59	4904	340	0.4	6205	1	6	1760
1959-60	1935	27	0.5	2006	1	10	65
1960-61	1106	36	0.4	572	1	26	116
1961-62	25497	3480	0.3	23255	2	11	7010
1962-63	3220	153	0.6	4783	2	9	1017
1963-64	2587	89	0.4	2647	4	1	276
1964-65	5037	266	0.3	4159	4	9	479
1967-68	9569	338	0.6	12713	11	19	893
1965-66	41747	2040	0.3	42170	12	29	9220
1966-67	40504	1860	0.6	32757	12	6	4650
1968-69	95676	6380	0.1	90488	1	25	15700
1969-70	10222	410	1.0	13859	2	28	1020
1970-71	10822	1030	0.8	11683	11	29	2930
1971-72	4009	297	0.4	4557	12	24	798

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT OF DAY SHOWN.

DRAINAGE AREA 19.2 SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.
at SPILLWAY ELEVATION 2,385.0 FT.,
as of MARCH, 1969

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2370.1	7355.8	7.5	22.0	2362.2	6365.1	7.7	21.0
2	2369.8	7320.8	5.2	22.0	2361.9	6337.8	8.0	21.0
3	2369.5	7291.1	5.8	22.0	2361.7	6308.5	7.2	21.0
4	2369.3	7208.9	6.8	22.0	2361.4	6280.2	7.5	21.0
5	2369.0	7175.7	7.3	22.0	2361.2	6252.0	7.6	21.0
6	2368.7	7143.6	6.7	22.0	2361.5	6295.9	39.2	22.0
7	2368.5	7108.6	5.4	22.0	2361.4	6279.6	19.5	25.0
8	2368.2	7073.7	5.8	22.0	2360.6	6186.0	31.3	75.0
9	2367.9	7043.3	8.0	22.0	2359.5	6087.5	18.4	72.0
10	2367.6	7009.4	6.8	23.0	2358.4	5987.2	15.4	73.0
11	2367.3	6973.0	6.3	23.0	2357.3	5878.3	15.8	74.0
12	2367.1	6940.3	8.3	23.0	2356.2	5706.7	13.5	74.0
13	2366.8	6907.8	8.3	23.0	2355.1	5589.8	15.7	74.0
14	2366.6	6880.3	8.3	20.0	2353.9	5471.6	14.8	74.0
15	2366.3	6851.5	7.3	21.0	2352.8	5354.3	15.9	74.0
16	2366.1	6820.3	6.3	21.0	2351.6	5237.1	15.4	74.0
17	2365.8	6792.9	7.8	21.0	2350.6	5135.5	17.4	58.0
18	2365.6	6764.4	8.0	21.0	2349.3	5015.6	18.1	75.0
19	2365.4	6734.8	7.5	21.0	2348.1	4896.4	17.5	77.0
20	2365.1	6702.7	6.5	21.0	2346.8	4779.0	18.8	77.0
21	2364.9	6675.6	5.8	21.0	2345.5	4661.4	18.4	77.0
22	2364.6	6648.6	5.6	21.0	2344.2	4543.1	18.2	77.0
23	2364.4	6621.7	8.4	21.0	2342.8	4426.1	17.8	77.0
24	2364.2	6593.5	7.7	21.0	2341.5	4309.2	17.7	76.0
25	2363.9	6566.6	8.2	21.0	2341.1	4274.3	10.1	27.2
26	2363.7	6539.8	7.8	21.0	2341.2	4283.6	9.0	3.5
27	2363.5	6512.2	8.3	21.0	2341.3	4292.2	8.5	3.5
28	2363.2	6484.4	7.9	21.0	2341.4	4299.0	7.7	3.3
29	2363.0	6454.3	7.0	21.0	2341.5	4307.5	8.3	3.3
30	2362.7	6425.5	6.6	21.0	2341.5	4313.5	6.8	3.5
31	2362.4	6393.7	7.0	21.0				
TOTAL			228.8	667.0			442.2	[illegible]
Inf. Ac. Ft.	453.8				877.2			
Outf. Ac. Ft.	1322.9 + (25.3)				3519.8 + (37.1)			
Max. Mean Daily Inf.	8.8 cfs				39.2 cfs			
Min. Mean Daily Inf.	5.2 cfs				6.8 cfs			
Storage Change	-944.4 A.F.				-2,080.2 A.F.			

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2341.6	4320.3	7.6	3.7	2344.4	4563.5	6.7	3.1
2	2341.7	4327.1	7.5	3.7	2344.5	4571.5	7.7	3.1
3	2341.8	4338.2	9.6	3.7	2344.6	4578.5	3.9	3.1
4	2341.9	4345.9	6.0	3.7	2344.7	4585.6	7.1	3.1
5	2342.0	4356.7	7.5	3.7	2344.7	4591.8	6.6	3.3
6	2342.1	4363.0	9.1	3.5	2344.8	4598.9	7.3	3.3
7	2342.2	4369.1	7.0	3.5	2344.9	4604.2	6.8	3.5
8	2342.3	4380.3	9.4	3.3	2344.9	4610.4	7.2	3.5
9	2342.4	4390.7	5.9	3.3	2345.1	4624.6	10.8	3.7
10	2342.5	4397.6	7.4	3.3	2345.4	4656.0	19.6	3.7
11	2342.6	4405.3	7.3	3.1	2345.7	4674.8	13.1	3.5
12	2342.7	4414.0	7.8	3.1	2345.7	4678.4	11.7	9.8
13	2342.8	4422.6	8.0	3.1	2345.6	4671.2	7.0	10.2
14	2342.9	4429.5	7.1	3.1	2345.5	4664.1	5.7	10.2
15	2343.0	4436.4	7.1	3.1	2345.5	4657.8	7.2	10.2
16	2343.0	4444.2	8.2	3.7	2345.5	4660.5	11.9	17.5
17	2343.1	4452.1	7.9	3.5	2345.5	4661.4	11.4	10.9
18	2343.2	4460.0	7.8	3.5	2345.5	4659.6	10.3	10.9
19	2343.3	4467.0	7.3	3.5	2345.4	4654.2	9.2	11.7
20	2343.4	4473.9	7.2	3.5	2345.4	4654.2	9.7	9.3
21	2343.5	4482.7	8.2	3.5	2345.5	4661.4	9.5	5.6
22	2343.6	4491.4	8.2	3.5	2345.6	4672.1	10.8	5.1
23	2343.7	4498.4	7.3	3.5	2345.7	4681.1	9.5	4.7
24	2343.8	4507.1	8.1	3.5	2345.8	4689.	8.6	4.4
25	2343.9	4515.0	7.7	3.5	2345.9	4698.1	9.2	4.4
26	2343.9	4522.9	7.7	3.3	2346.0	4707.1	8.9	4.0
27	2344.0	4530.8	8.0	3.3	2346.1	4716.2	9.0	4.0
28	2344.1	4537.0	7.1	3.1	2346.2	4724.4	8.3	3.8
29	2344.2	4541.4	6.3	3.1	2346.2	4735.2	5.5	3.7
30	2344.3	4549.3	7.8	3.1	2346.4	4738.1	10.4	3.7
31	2344.3	4557.3	7.5	3.1	2346.4	4743.5	6.9	3.7
TOTAL			241.2	104.9			281.5	177.2
Inf. Ac. Ft.	478.4				558.5			
Outf. Ac. Ft.	208.0 + (26.5)				351.4 + (26.8)			
Max. Mean Daily Inf.	9.6 cfs				19.6 cfs			
Min. Mean Daily Inf.	6.3 cfs				5.5 cfs			
Storage Change	243.8 A.F.				186.2 A.F.			

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2346.5	4749.9	7.3	3.5	2352.5	6070.8	409.6	232.0
2	2346.6	4756.3	7.6	3.3	2358.6	5971.1	281.9	358.0
3	2346.6	4760.8	6.2	3.3	2355.1	5597.2	135.8	376.0
4	2346.7	4765.4	5.9	3.3	2351.7	5249.9	197.1	380.0
5	2346.7	4770.8	6.5	3.3	2352.0	5271.8	102.4	91.0
6	2346.8	4776.3	6.6	3.3	2351.2	5192.4	99.5	131.0
7	2346.8	4781.8	6.5	3.3	2350.0	5079.9	74.8	131.0
8	2346.9	4786.3	6.3	3.3	2348.8	4965.1	69.7	127.0
9	2347.1	4806.5	14.6	4.2	2347.4	4836.6	57.2	125.0
10	2353.5	5226.1	219.9	8.4	2345.8	4689.2	52.1	123.0
11	2352.3	5303.9	124.5	85.0	2344.9	4606.8	45.1	86.0
12	2351.2	5195.4	51.5	106.0	2344.5	4575.0	41.3	57.0
13	2350.4	5115.0	35.0	75.0	2344.1	4539.6	39.5	57.0
14	2349.7	5054.0	27.6	58.0	2343.7	4504.5	39.9	57.0
15	2349.0	4984.0	23.2	58.0	2343.3	4468.7	39.7	57.0
16	2348.2	4912.4	21.0	57.0	2342.9	4428.7	36.5	56.0
17	2347.5	4844.5	18.4	52.0	2342.5	4395.9	35.4	51.0
18	2347.0	4799.1	14.6	37.0	2342.5	4350.2	34.8	57.0
19	2347.0	4799.3	12.3	12.9	2341.3	4293.0	28.9	57.0
20	2347.0	4799.1	12.8	10.5	2340.6	4235.5	28.8	57.0
21	2347.0	4801.0	12.0	10.5	2339.9	4173.3	25.3	56.0
22	2347.1	4803.7	12.4	10.5	2339.1	4111.8	25.8	56.0
23	2347.1	4803.7	11.0	10.5	2338.3	4046.9	24.0	56.0
24	2347.1	4806.5	9.4	7.5	2337.5	3981.2	23.6	56.0
25	2347.2	4817.6	15.3	4.2	2336.7	3916.2	23.8	56.0
26	2347.3	4827.8	10.0	4.2	2335.9	3851.2	23.6	56.0
27	2347.5	4840.7	11.1	4.2	2335.1	3787.1	24.6	56.0
28	2354.4	5520.2	365.6	23.0	2334.2	3718.9	22.2	56.0
29					2333.3	3650.6	21.0	55.0
30					2332.4	3585.2	[illegible]	55.0
31					2332.0	3555.7	21.7	34.0
TOTAL			1069.3	665.1			3009.7	[illegible]
Inf. Ac. Ft.	2120.9				5996.2			
Outf. Ac. Ft.	1319.2 + (25.1)				5914.7 + (56.1)			
Max. Mean Daily Inf.	365.6 cfs				409.0 cfs			
Min. Mean Daily Inf.	5.9 cfs				21.0 cfs			
Storage Change	776.5 A.F.				-1966.5 A.F.			

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2332.4	3583.2	16.3	3.5	2337.2	3953.7	9.7	4.9
2	2332.6	3604.3	15.2	3.8	2337.2	3957.2	7.3	4.9
3	2332.9	3623.3	14.8	4.6	2337.4	3967.5	11.3	5.1
4	2333.1	3640.1	14.7	5.3	2337.5	3975.5	10.	5.1
5	2333.3	3655.0	13.5	5.3	2337.5	3982.0	9.1	5.1
6	2333.4	3669.2	13.2	5.3	2337.6	3989.3	9.6	5.1
7	2333.7	3682.7	12.7	5.3	2337.7	3994.9	8.6	5.1
8	2333.9	3697.6	13.6	5.6	2337.8	4002.2	9.4	5.1
9	2334.1	3712.7	13.9	5.6	2337.9	4009.4	9.4	5.1
10	2334.3	3726.5	13.2	5.6	2338.0	4015.9	8.9	5.1
11	2334.5	3739.5	12.8	5.6	2338.0	4020.7	8.2	5.1
12	2334.6	3751.8	12.1	5.3	2338.1	4026.5	8.5	4.9
13	2334.8	3764.8	12.5	5.3	2338.1	4031.4	8.1	4.9
14	2334.9	3774.7	11.9	5.1	2338.2	4037.1	8.6	4.9
15	2335.2	3794.9	11.9	5.1	2338.3	4040.4	7.6	4.9
16	2335.3	3801.9	11.9	5.1	2338.3	4042.9	7.3	4.9
17	2335.4	3814.4	12.0	5.1	2338.3	4044.5	6.7	4.7
18	2335.6	3827.7	12.0	4.9	2338.3	4046.1	6.6	4.7
19	2335.7	3839.5	11.7	5.3	2338.3	4047.8	6.4	4.8
20	2335.9	3848.8	10.8	5.6	2338.3	4049.4	6.4	4.6
21	2336.0	3860.6	11.9	5.6	2338.4	4051.0	6.4	4.6
22	2336.2	3871.7	11.9	5.8	2338.4	4052.7	6.4	4.6
23	2336.3	3880.4	10.9	5.8	2338.4	4053.5	5.8	4.6
24	2336.4	3893.1	12.9	5.8	2338.4	4055.1	6.3	4.7
25	2336.5	3900.3	10.2	5.8	2338.5	4056.8	6.3	4.7
26	2336.6	3909.0	10.5	5.6	2338.5	4058.4	6.3	4.9
27	2336.7	3917.0	10.1	5.6	2338.5	4060.1	6.3	4.9
28	2336.9	3927.3	11.2	5.3	2338.5	4061.7	6.0	4.9
29	2337.0	3936.8	10.6	5.1	2338.6	4065.8	7.4	4.9
30	2337.1	3945.7	10.1	4.9	2338.6	4067.4	6.5	4.9
31					2338.6	4068.2	6.3	4.9
TOTAL			371.0	157.9			238.6	151.4
Inf. Ac. Ft.	735.9				473.3			
Outf. Ac. Ft.	313.1 + (36.2)				300.2 + (50.4)			
Max. Mean Daily Inf.	16.3 cfs				11.3 cfs			
Min. Mean Daily Inf.	10.1 cfs				5.8 cfs			
Storage Change	386.0 A.F.				122.5 A.F.			

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2338.6	4068.2	5.0	4.9	2337.5	3975.5	3.5	4.9
2	2338.6	4067.4	5.8	4.9	2337.4	3969.1	2.0	4.9
3	2338.6	4065.0	4.8	4.9	2337.3	3960.8	2.4	4.9
4	2338.5	4063.3	4.8	4.9	2337.2	3954.6	3.1	4.9
5	2338.5	4061.7	4.9	4.9	2337.1	3947.3	2.5	4.9
6	2338.5	4060.1	4.9	4.9	2337.0	3940.0	2.4	4.9
7	2338.5	4058.4	4.9	4.9	2336.9	3932.9	2.3	4.9
8	2338.5	4056.8	4.8	4.9	2336.8	3925.7	2.4	4.9
9	2338.4	4055.1	4.6	4.7	2336.7	3917.8	1.9	4.9
10	2338.4	4053.5	4.6	4.7	2336.6	3909.8	1.0	4.9
11	2338.4	4051.9	4.5	4.7	2336.5	3901.9	1.9	4.9
12	2338.4	4050.2	4.5	4.7	2336.4	3893.9	1.9	4.9
13	2338.4	4050.2	5.2	4.7	2336.3	3886.0	2.1	4.9
14	2338.4	4048.6	4.8	4.9	2336.2	3877.2	2.0	5.1
15	2338.3	4046.9	4.8	4.9	2336.1	3868.5	2.0	5.1
16	2338.3	4046.1	5.1	4.9	2336.0	3859.8	2.1	4.9
17	2338.3	4045.3	5.6	5.1	2335.9	3851.2	2.2	4.9
18	2338.3	4043.7	5.2	5.1	2335.8	3842.6	1.9	4.9
19	2338.3	4040.4	4.3	5.1	2335.7	3833.2	1.3	4.9
20	2338.2	4037.9	5.8	5.1	2335.6	3824.6	1.7	4.9
21	2338.2	4033.0	3.8	5.1	2335.4	3815.2	1.4	4.9
22	2338.1	4028.1	3.7	5.1	2335.3	3805.9	1.2	4.9
23	2338.0	4023.2	4.1	5.1	2335.2	3796.5	1.6	4.9
24	2338.0	4016.7	3.1	5.1	2335.1	3786.3	1.1	4.9
25	2337.9	4011.9	3.8	5.1	2334.9	3776.3	1.0	4.9
26	2337.8	4006.2	3.5	5.2	2334.8	3766.3	1.3	5.1
27	2337.7	3998.1	2.2	5.1	2334.7	3756.4	1.3	5.1
28	2337.7	3992.5	3.4	5.1	2334.6	3747.2	1.2	5.1
29	2337.6	3986.0	2.9	5.1	2334.4	3738.0	1.2	5.1
30	2337.5	3980.4	3.2	4.6	2334.3	3728.8	1.7	5.1
31					2334.2	3718.9	1.7	5.1
TOTAL			132.6	148.6			60.0	[illegible]
Inf. Ac. Ft.	263.2				119.0			
Outf. Ac. Ft.	294.7 + (56.3)				307.6 + ([illegible])			
Max. Mean Daily Inf.	6.0 cfs				3.6 cfs			
Min. Mean Daily Inf.	2.2 cfs				1.0 cfs			
Storage Change	-87.8 A.F.				-261.5 A.F.			

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2334.1	3708.9	1.4	5.1	2330.0	3416.1	[1.3	5.1
2	2333.9	3699.1	1.4	5.1	2329.8	3405.0	1.3	5.1
3	2333.8	3690.2	1.8	5.1	2329.7	3393.2	1.1	5.1
4	2333.7	3680.4	1.3	5.1	2329.5	3382.8	1.2	5.1
5	2333.5	3670.7	1.3	5.1	2329.4	3373.2	1.2	5.1
6	2333.4	3660.3	1.0	5.1	2329.2	3363.5	1.2	4.9
7	2333.3	3649.8	1.2	5.1	2329.1	3353.8	1.2	5.1
8	2333.1	3640.1	1.5	5.1	2329.0	3344.8	1.2	5.1
9	2333.0	3630.4	1.4	5.1	2328.8	3335.9	1.2	5.1
10	2332.9	3620.9	1.5	5.1	2328.7	3327.1	1.2	5.1
11	2332.8	3611.4	1.5	5.1	2328.6	3318.2	1.2	5.1
12	2332.6	3602.0	1.2	5.1	2328.4	3308.6	1.2	5.1
13	2332.5	3592.5	1.2	5.1	2328.3	3299.2	1.2	5.1
14	2332.4	3583.7	1.6	5.1	2328.2	3290.2	1.2	5.1
15	2332.2	3574.5	1.3	5.1	2328.0	3280.6	1.2	5.1
16	2332.1	3565.5	1.6	5.1	2327.9	3271.2	1.2	5.1
17	2332.0	3556.1	1.0	4.9	2327.8	3261.8	1.2	5.1
18	2331.9	3546.8	1.0	4.9	2327.6	3253.0	1.2	5.1
19	2331.7	3537.5	1.1	4.9	2327.5	3242.9	1.2	5.1
20	2331.6	3528.3	1.1	4.9	2327.3	3234.2	1.2	5.1
21	2331.5	3519.0	1.1	4.9	2327.2	3224.7	1.2	5.1
22	2331.3	3509.0	1.0	4.9	2327.1	3216.0	1.2	4.9
23	2331.2	3499.0	1.0	4.9	2326.9	3206.6	1.2	4.9
24	2331.1	3489.8	1.5	5.1	2326.8	3197.4	1.2	4.7
25	2330.9	3480.6	1.5	5.1	2326.6	3187.4	1.2	4.7
26	2330.8	3471.5	1.5	5.1	2326.5	3178.1	1.1	4.7
27	2330.7	3462.4	1.4	5.1	2326.4	3169.5	1.1	4.7
28	2330.5	3453.9	1.8	5.1	2326.3	3160.8	1.1	4.7
29	2330.4	3445.5	1.8	5.1	2326.1	3150.9	1.1	4.7
30	2330.3	3436.4	1.7	5.1	2326.0	3141.6	1.1	4.7
31	2330.2	3427.3	1.8	5.1				
TOTAL			42.5	[illegible]			35.8	143.2
Inf. Ac. Ft.	84.3				71.1			
Outf. Ac. Ft.	310.8 + (65.0)				296.7 + (60.0)			
Max. Mean Daily Inf.	1.8 cfs				1.3 cfs			
Min. Mean Daily Inf.	1.3 cfs				1.1 cfs			
Storage Change	-295.5 A.F.				-285.6 A.F.			

Max. W.S. Elev.	2370.1	feet	on 10/1/69	storage 7336.8	Acre-Feet
Min. W.S. Elev.	2326.0	feet	on 9/30/70	storage 3141.6	Acre-Feet
Max. Peak Inf.	1018	cfs from 4:00 p.m.	on 2/28/70	to [illegible]	on [illegible]
Max. Peak Outf.	376	cfs from 10:00 p.m.	on [illegible]	to [illegible]	on [illegible]
REMARKS:	[indicates average for period				
	( ) indicates evaporation losses				

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

EATON WASH DAM

1969-70

DRAINAGE AREA 13.4 SQ. MI.
CAPACITY OF RESERVOIR 867.8 AC. FT..
at SPILLWAY ELEVATION 867.8 FT..
as of December, 19 69

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT OF DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0	842.0	0	0	0			0	0	842.0	0	0	0	1
2			0	0	842.0	0	0	0			0	0	842.0	0	0	0	2
3			0	0	842.0	0	0	0			0	0	842.0	0	0	0	3
4			0	0	842.0	0	0	0			0	0	842.0	0	0	0	4
5			0	0	842.0	0	0	0			0	0	842.0	0	0	0	5
6			0	0	842.0	0	15.0	15.0			0	0	842.0	0	0	0	6
7			0	0	842.0	0	2.0	2.0			0	0	842.0	0	0	0	7
8			0	0	842.0	0	0	0			0	0	842.0	0	0	0	8
9			0	0	842.0	0	0	0			0	0	843.0	.2	.1	0	9
10			0	0	842.0	0	0	0			0	0	844.9	3.2	3.5	0	10
11			0	0	842.0	0	0	0			0	0	847.2	7.8	.4	0	11
12			0	0	842.0	0	0	0			0	0	847.0	7.7	0	0	12
13			0	0	842.0	0	0	0			0	0	846.7	7.9	0	0	13
14			0	0	842.0	0	0	0			0	0	846.9	7.2	.4	0	14
15			0	0	842.0	0	0	0			0	0	847.2	7.8	.4	0	15
16			0	0	842.0	0	0	0			0	0	849.8	11.8	4.2	0	16
17			0	0	842.0	0	0	0			0	0	849.5	10.7	0	0	17
18			0	0	842.0	0	0	0			0	0	849.2	9.5	0	0	18
19			0	0	842.0	0	0	0			0	0	849.0	8.8	0	0	19
20			0	0	842.0	0	0	0			0	0	848.7	7.8	0	0	20
21			0	0	842.0	0	0	0			0	0	848.5	7.2	0	0	21
22			0	0	842.0	0	0	0			0	0	848.2	6.7	0	0	22
23			0	0	842.0	0	0	0			0	0	848.1	6.0	0	0	23
24			0	0	842.0	0	0	0			0	0	847.8	5.2	0	0	24
25			0	0	842.0	0	0	0			0	0	847.7	4.9	0	0	25
26			0	0	842.0	0	0	0			0	0	847.4	4.4	0	0	26
27			0	0	842.0	0	0	0			0	0	847.4	4.3	0	0	27
28			0	0	842.0	0	0	0			0	0	847.2	3.8	0	0	28
29			0	0	842.0	0	0	0			0	0	847.1	3.6	0	0	29
30			0	0	842.0	0	0	0			0	0	846.9	3.2	0	0	30
31			0	0							0	0	846.8	3.1	0	0	31
TOTAL			0	0			17.0	17.0			0	0			5.7	0	
Inf. Ac. Ft.			0				33.7				0				13.3		
Outf. Ac. Ft.			0				33.7 + (.0)				0				0 + (10.2)		
Max. Mean Daily Inf.			0				15.0 cfs				0				4.2 cfs		
Min. Mean Daily Inf.			0				0 cfs				0				0 cfs		
Storage Change	0						0 A.F.		0						3.3 A.F.		

Day	FEBRUARY						APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	845.6	2.8	0	0	873.9	371.0	89.8	6.8			0	0			0	0	1
2	845.5	2.7	0	0	875.6	424.4	57.8	0			0	0			0	0	2
3	846.3	2.4	0	0	876.9	437.4	12.6	0			0	0			0	0	3
4	846.2	2.3	0	0	877.8	448.6	37.5	0			0	0			0	0	4
5	846.0	2.0	0	0	876.8	424.3	15.0	26.0			0	0			0	0	5
6	845.9	1.9	0	0	874.9	401.8	7.2	33.0			0	0			0	0	6
7	845.8	1.9	0	0	874.8	398.7	4.9	0			0	0			0	0	7
8	845.7	1.8	0	0	874.7	395.6	4.9	0			0	0			0	0	8
9	853.0	28.1	13.7	0	872.2	322.9	0	31.0			0	0			0	0	9
10	859.3	84.1	29.7	0	868.0	223.3	0	48.0			0	0			0	0	10
11	860.2	94.7	6.9	0	863.1	134.2	0	41.0			0	0			0	0	11
12	860.0	92.2	.3	0	859.1	81.7	0	27.0			0	0			0	0	12
13	860.7	88.7	0	0	859.0	80.6	0	0			0	0			0	0	13
14	859.4	85.2	0	0	858.9	79.5	0	0			0	0			0	0	14
15	859.1	84.7	0	0	858.9	79.5	0	0			0	0			0	0	15
16	858.8	78.4	0	0	858.9	79.5	0	0			0	0			0	0	16
17	858.5	77.2	0	0	858.8	78.4	0	0			0	0			0	0	17
18	858.2	76.0	0	0	858.8	78.4	0	0			0	0			0	0	18
19	857.9	68.8	0	0	855.2	43.9	0	17.3			0	0			0	0	19
20	857.7	66.8	0	0	844.1	.7	0	22.0			0	0			0	0	20
21	857.5	64.9	0	0	844.1	.7	0	0			0	0			0	0	21
22	857.4	63.9	0	0	844.1	.7	0	0			0	0			0	0	22
23	857.2	61.9	0	0	844.1	.7	0	0			0	0			0	0	23
24	857.0	59.9	0	0	844.1	.7	0	0			0	0			0	0	24
25	856.8	58.0	0	0	844.1	.7	0	0			0	0			0	0	25
26	856.7	57.1	0	0	844.1	.7	0	0			0	0			0	0	26
27	856.4	56.1	0	0	844.1	.7	0	0			0	0			0	0	27
28	867.7	217.1	83.0	0	844.1	.7	0	0			0	0			0	0	28
29					844.1	.7	0	0			0	0			0	0	29
30					847.2	3.8	1.7	0			0	0			0	0	30
31					842.0	.0	0	1.9			0	0			0	0	31
TOTAL			133.5	0			204.7	248.7			0	0			0	0	
Inf. Ac. Ft.			665.0				406.0										
Outf. Ac. Ft.			0 + (51.0)				491.3 + (129.8)								0		
Max. Mean Daily Inf.			73.0 cfs				7.8 cfs								0		
Min. Mean Daily Inf.			0 cfs				0 cfs				0						
Storage Change			214.0 A.F.				-217.1 A.F.		0				0				

Day	JUNE				JULY								SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0			0	0			0	0	14
15			0	0			0	0			0	0			0	0	15
16			0	0			0	0			0	0			0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31			0	0			0	0			0	0			0	0	31
TOTAL			0	0			0	0			0	0			0	0	
Inf. Ac. Ft.																	
Outf. Ac. Ft.											0						
Max. Mean Daily Inf.			0								0						
Min. Mean Daily Inf.			0				0								0		
Storage Change	0	0					0		0								

Max. W.S. Elev.	878.2	Feet	on 3/5/70	Storage 512.6	Acre-Feet	
Min. W.S. Elev.	849.0	Feet	on Various Days	Storage 0	Acre-Feet	
Max. Peak Inf.	316	CFS from 11:00 P.M.	on 1/28/70	to 12:00 P.M.	on 2/28/70	
Max. Peak Outf.	50	CFS from 11:30 P.M.	on 3/5/70	to 4:00 P.M.	on 3/6/70	

REMARKS:

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

EATON WASH DAM

1971-72

DRAINAGE AREA 12.4 SQ. MI.
CAPACITY OF RESERVOIR 279.9 AC. FT.
at SPILLWAY ELEVATION 877.8 FT.
as of December, 19 69

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER Gage Height	Ft.	CFS Inflow	CFS Outflow	NOVEMBER Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow		JANUARY Gage Ht.	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1		NO STORAGE	0	0		NO STORAGE	0	0	[illegible]	[illegible]	0	0	864.5	156.8	0	0	1
2			0	0			0	0	[illegible]	[illegible]	0	0	864.3	153.4	0	0	2
3			0	0			0	0	[illegible]	[illegible]	0	0	864.0	148.3	0	0	3
4			0	0			0	0	842.0	.2	0	0	863.8	145.2	0	0	4
5			0	0			0	0	842.0	.2	0	0	863.6	142.1	0	0	5
6			0	0			0	0	842.0	.2	0	0	863.4	138.9	0	0	6
7			0	0			0	0	842.0	.2	0	0	863.2	135.8	0	0	7
8			0	0			0	0	842.0	.2	0	0	863.0	132.6	0	0	8
9			0	0			0	0	842.0	.2	0	0	862.7	128.3	0	0	9
10			0	0			0	0	842.0	.2	0	0	862.5	125.4	0	0	10
11			0	0			0	0	842.0	.2	0	0	862.3	122.6	0	0	11
12			0	0			0	0	842.0	.2	0	0	862.2	121.0	0	0	12
13			0	0			0	0	842.0	.2	0	0	862.0	118.1	0	0	13
14			0	0			0	0	842.0	.2	0	0	861.8	115.4	0	0	14
15			0	0			0	0	842.0	.2	0	0	861.6	112.7	0	0	15
16			0	0			0	0	842.0	.2	0	0	861.4	110.0	0	0	16
17			0	0			0	0	842.0	.2	0	0	861.2	107.3	0	0	17
18			0	0			0	0	842.0	.2	0	0	861.0	104.6	0	0	18
19			0	0			0	0	842.0	.2	0	0	860.9	103.4	0	0	19
20			0	0			0	0	843.7	.5	.2	0	860.7	100.9	0	0	20
21			0	0			0	0	847.3	4.8	1.7	0	860.6	99.7	0	0	21
22			0	0			0	0	849.1	9.2	2.9	0	860.4	97.2	0	0	22
23			0	0			0	0	848.4	6.7	0	0	860.3	95.9	0	0	23
24			0	0			0	0	857.5	56.4	41.7	0	860.1	93.4	0	0	24
25			0	0			0	0	861.3	108.7	13.0	0	859.9	91.0	0	0	25
26			0	0			0	0	862.2	121.0	8.7	0	859.8	89.7	0	0	26
27			0	0			0	0	865.3	170.7	28.0	0	859.6	87.5	0	0	27
28			0	0			0	0	865.7	177.9	6.6	0	859.5	86.4	0	0	28
29			0	0			0	0	865.4	172.5	0	0	859.3	84.1	0	0	29
30			0	0			0	0	865.1	167.0	0	0	859.1	81.7	0	0	30
31			0	0			0	0	864.8	161.8	0	0	859.0	80.6	0	0	31
TOTAL			0	0			0	0			103.5	0			0	0	
Inf. Ac. Ft.			0								205.4				0		
Outf. Ac. Ft.			0				0				0 + (43.6)				0 + (61.2)		
Max. Mean Daily Inf.			0				0				41.7 cfs				0 cfs		
Min. Mean Daily Inf.			0				0				0 cfs				0 cfs		
Storage Change			0				0				161.8 A.F.				-81.2 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	858.9	78.5	0	0	854.3	37.0	0	0	849.4	10.7	0	0	845.[illegible]	1.7	0	0	1
2	858.6	76.3	0	0	854.1	35.5	0	0	849.2	9.5	0	0	842.0	0	0	.1	2
3	858.5	75.2	0	0	853.9	34.0	0	0	849.1	9.2	0	0	842.0	0	0	0	3
4	858.4	74.1	0	0	853.7	32.7	0	0	848.9	8.8	0	0	842.0	0	0	0	4
5	858.2	73.1	0	0	853.6	32.0	0	0	848.8	8.2	0	0	842.0	0	0	0	5
6	858.1	70.9	0	0	853.4	30.7	0	0	848.6	7.5	0	0	842.0	0	0	0	6
7	857.9	68.8	0	0	853.3	30.0	0	0	848.5	7.2	0	0	842.0	0	0	0	7
8	857.7	66.8	0	0	853.1	28.7	0	0	848.3	6.6	0	0	842.0	0	0	0	8
9	857.6	65.9	0	0	853.0	28.1	0	0	848.1	6.0	0	0	842.0	0	0	0	9
10	857.5	64.9	0	0	852.8	26.9	0	0	848.0	5.7	0	0	842.0	0	0	0	10
11	857.3	62.9	0	0	852.7	26.3	0	0	847.8	5.2	0	0	842.0	0	0	0	11
12	857.1	60.9	0	0	852.5	25.1	0	0	847.7	4.9	0	0	842.0	0	0	0	12
13	856.9	[illegible]	0	0	852.3	23.9	0	0	847.6	4.7	0	0	842.0	0	0	0	13
14	856.8	[illegible]	0	0	852.2	23.3	0	0	847.4	4.3	0	0	842.0	0	0	0	14
15	856.7	57.1	0	0	852.1	22.7	0	0	847.3	4.0	0	0	842.0	0	0	0	15
16	856.5	55.3	0	0	851.9	21.6	0	0	847.2	3.8	0	0	842.0	0	0	0	16
17	856.3	53.[illegible]	0	0	851.7	20.6	0	0	847.3	3.9	0	0	842.0	0	0	0	17
18	856.1	51.6	0	0	851.6	20.1	0	0	847.4	4.3	.6	0	842.0	0	0	0	18
19	855.9	49.8	0	0	851.4	19.1	0	0	847.5	4.5	.2	0	842.0	0	0	0	19
20	855.8	49.0	0	0	851.3	18.5	0	0	847.3	4.0	0	0	842.0	0	0	0	20
21	855.7	48.1	0	0	851.1	17.5	0	0	847.2	3.8	0	0	842.0	0	0	0	21
22	855.5	46.4	0	0	851.0	17.0	0	0	847.0	3.3	0	0	842.0	0	0	0	22
23	855.4	45.6	0	0	850.8	16.1	0	0	846.9	3.2	0	0	842.0	0	0	0	23
24	855.2	43.9	0	0	850.6	15.2	0	0	846.8	3.1	0	0	842.0	0	0	0	24
25	855.0	42.2	0	0	850.5	14.8	0	0	846.6	2.8	0	0	842.0	0	0	0	25
26	854.9	41.5	0	0	850.3	13.9	0	0	846.5	2.7	0	0	842.0	0	0	0	26
27	854.7	40.0	0	0	850.2	13.4	0	0	846.4	2.5	0	0	842.0	0	0	0	27
28	854.6	39.2	0	0	850.0	12.6	0	0	846.2	2.3	0	0	842.0	0	0	0	28
29	854.4	37.7	0	0	849.8	11.9	0	0	846.1	2.1	0	0	842.0	0	0	0	29
30			0	0	849.7	11.4	0	0	846.0	2.0	0	0	842.0	0	0	0	30
31			0	0	849.5	10.7	0	0					842.0	0	0	0	31
TOTAL			0	0			0	0			.8	0			0	.1	
Inf. Ac. Ft.			0				0	0			1.6				0		
Outf. Ac. Ft.			0 + (42.9)				0 + (27.0)				0 + (10.3)				.2 + (1.8)		
Max. Mean Daily Inf.			0 cfs				0 cfs				.5 cfs				0 cfs		
Min. Mean Daily Inf.			0 cfs				0 cfs				-.2 cfs				0 cfs		
Storage Change			-42.8 A.F.				-27.0 A.F.				-8.6 A.F.				-3.1 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	1
2	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	2
3	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	3
4	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	4
5	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	5
6	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	6
7	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	7
8	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	8
9	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	9
10	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	10
11	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	11
12	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	12
13	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	13
14	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	14
15	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	15
16	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	16
17	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	17
18	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	18
19	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	19
20	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	20
21	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	21
22	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	22
23	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	23
24	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	24
25	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	25
26	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	26
27	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	27
28	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	28
29	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	29
30	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0	30
31	842.0	0	0	0	842.0	0	0	0	842.0	0	0	0					31
TOTAL			0				0	0	842.0		0	0			0		
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			0				0				0				0		

Max. W.S. Elev. 865.7 feet on 12/28/71 Storage 177.9 Acre-Feet

Min. W.S. Elev. 842.0 feet on Various Days Storage 0 Acre-Feet

Max. Peak Inf. 12[illegible]. CFS from 8:00 A.M. on 12/27/71 to 10:00 A.M. on 12/27/71

Max. Peak Outf. .5 CFS from 8:00 A.M. on 5/2/72 to 2:00 P.M. on 5/2/72

REMARKS: ( ) Indicates percolation and other losses.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 39.3 SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.
at SPILLWAY ELEVATION 2385.0 FT.,
as of March, 19 58

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2325.8	3130.5	1.0	4.7	2321.8	2874.3	1.1	4.2	2326.7	3188.7	65.9	82.0	2320.3	2788.2	49.9	44.0	1
2	2325.7	3122.0	1.0	4.7	2322.5	2797.8	2.0	40.0	2325.9	3137.0	54.2	80.0	2320.6	2800.8	50.4	44.0	2
3	2325.5	3113.5	1.0	4.7	2318.3	2671.1	5.5	68.0	2324.7	3057.5	36.2	76.0	2320.5	2799.0	43.3	44.0	3
4	2325.4	3105.0	1.0	4.7	2316.1	2551.0	5.5	66.0	2323.3	2972.4	29.3	72.0	2320.3	2787.0	38.2	44.0	4
5	2325.3	3096.5	1.0	4.7	2311.9	2336.1	5.5	111.0	2321.9	2883.5	25.4	70.0	2320.1	2775.6	35.6	41.0	5
6	2325.1	3087.9	1.0	4.7	2306.7	2087.5	5.5	132.0	2320.4	2791.8	22.1	68.0	2319.8	2753.8	33.5	44.0	6
7	2325.0	3079.4	1.0	4.7	2301.6	1850.5	5.5	127.0	2318.8	2699.3	20.6	67.0	2319.3	2728.1	31.2	44.0	7
8	2324.9	3071.0	1.0	4.7	2296.5	1627.0	5.5	119.0	2317.2	2611.7	20.9	65.0	2318.8	2699.3	29.8	44.0	8
9	2324.7	3062.7	1.0	4.7	2291.6	1423.6	5.5	110.0	2315.8	2534.8	24.4	63.0	2318.3	[illegible]	29.3	44.0	9
10	2324.6	3054.9	1.0	4.7	[illegible]	1276.1	5.5	79.0	2314.3	2457.8	[illegible]	60.0	2317.7	2638.9	27.5	43.0	10
11	2324.5	3045.9	0.9	4.7	2284.8	1171.5	5.5	58.0	2312.7	2378.8	19.4	59.0	2317.2	2607.3	27.2	43.0	11
12	2324.4	3037.5	0.9	4.7	2282.7	1096.6	5.4	40.0	2311.2	2301.1	18.0	57.0	2317.1	2603.0	40.9	43.0	12
13	2324.2	3029.1	0.9	4.7	2282.5	1089.8	2.2	4.9	2309.6	2224.0	17.3	56.0	2316.9	2595.4	39.3	43.0	13
14	2324.1	3020.1	0.9	4.7	2282.3	1084.0	2.2	4.9	2308.1	2155.1	18.4	53.0	2316.6	2578.0	34.4	43.0	14
15	2323.9	3011.1	0.9	4.7	2282.1	1077.9	2.2	4.9	2307.7	2133.1	15.0	26.0	2316.2	2556.3	32.2	43.0	15
16	2323.8	3002.2	0.9	4.7	2281.9	1072.2	2.2	4.9	2307.8	2136.5	15.4	13.6	2315.8	2532.8	31.3	43.0	16
17	2323.7	2994.0	0.9	4.7	2281.8	1066.1	2.2	4.9	2308.2	2159.4	25.3	13.6	2315.7	2527.6	40.5	43.0	17
18	2323.5	2985.7	0.9	4.7	2281.6	1059.7	2.2	4.9	2308.8	2185.4	27.1	14.0	2316.1	2552.6	50.8	38.0	18
19	2323.4	2977.4	0.9	4.6	2281.4	1054.0	2.2	4.9	2309.9	2239.1	41.9	14.8	2316.5	2569.5	50.7	42.0	19
20	2323.3	2969.2	0.9	4.4	2281.2	1047.9	2.2	4.9	2310.8	[illegible]	37.4	14.2	2316.7	2580.1	47.5	42.0	20
21	2323.2	2960.9	0.9	4.4	2281.0	1041.9	2.1	4.9	2316.2	[illegible]	157.5	21.0	2316.7	2582.7	43.4	42.0	21
22	2323.0	2953.3	0.9	4.4	2280.9	1035.8	2.1	4.7	2318.5	2679.6	79.7	17.2	2316.6	2576.9	39.2	42.0	22
23	2322.9	2947.0	0.8	4.4	2280.7	1030.2	2.1	4.7	2319.9	2760.8	57.4	16.4	2316.3	2562.1	34.6	42.0	23
24	2322.8	2937.7	0.8	4.4	2280.5	1024.8	2.1	4.7	2320.4	2793.0	49.4	33.0	2315.9	2541.6	32.9	43.0	24
25	2322.7	2929.6	0.8	4.4	2280.4	1020.5	2.1	4.6	2320.5	2794.8	46.0	45.0	2315.5	2517.3	30.9	43.0	25
26	2322.5	2921.5	0.8	4.4	2280.3	1015.8	2.1	4.6	2320.4	2793.0	44.2	45.0	2314.8	2485.8	27.4	43.0	26
27	2322.4	2913.3	0.8	4.4	2280.1	1011.2	2.1	4.6	2320.4	2791.2	44.2	45.0	2314.3	2458.3	29.5	43.0	27
28	2322.3	2905.2	0.8	4.4	2281.3	1051.0	24.8	4.7	2320.3	2787.0	43.0	45.0	2313.6	2424.9	26.4	43.0	28
29	2322.1	2897.7	0.8	4.2	2325.2	3091.2	1033.5	4.9	2320.2	2779.8	41.6	45.0	2312.9	2389.3	25.1	43.0	29
30	2322.0	2889.6	0.8	4.2	2327.2	3221.4	149.8	94.0	2320.1	2773.8	42.1	45.0	2312.2	2352.5	24.6	43.0	30
31	2321.9	2881.7	0.8	4.2					2320.2	2776.8	46.7	45.0	2311.4	2314.4	22.9	42.0	31
TOTAL			28.0	141.4			1298.4	1119.8			1207.3	1426.8			1100.4	1328.0	
Inf. Ac. Ft.			55.5				2575.3				2394.6				2182.6		
Outf. Ac. Ft.			280.5 + (35.1)				2221.1 + (14.5)				2830.0 + (9.3)				2634.0 + (10.9)		
Max. Mean Daily Inf.			1.0 cfs				1033.5 cfs				157.5 cfs				50.8 cfs		
Min. Mean Daily Inf.			0.8 cfs				1.1 cfs				15.0 cfs				22.9 cfs		
Storage Change			-259.9 A.F.				339.7 A.F.				-444.6 A.F.				-462.3 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2310.5	2272.2	20.3	42.0	2321.6	2865.7	14.7	2.8	2331.2	3499.0	10.7	3.3	2335.4	[illegible]	8.1	3.5	1
2	2310.5	2267.3	19.6	22.0	2322.0	2887.8	14.2	2.8	2331.4	3511.2	[illegible]	3.3	2335.5	[illegible]	3.0	3.5	2
3	2310.8	2284.0	19.0	10.5	2322.4	2911.5	15.1	2.8	2331.5	3521.5	[redacted]	[redacted]	[redacted]	3826.2	8.7	3.5	3
4	2311.1	2299.1	18.4	10.5	2322.7	2932.7	13.8	2.8	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	3834.8	8.2	3.5	4
5	2311.4	2313.4	17.3	10.5	2323.1	2954.4	14.0	2.8	[illegible]	3542.5	[illegible]	3.3	[illegible]	3844.9	7.9	3.5	5
6	2311.7	2324.7	17.3	10.5	2323.4	2975.5	13.7	2.8	2331.9	3552.5	9.2	3.3	2336.0	3859.0	10.8	3.5	6
7	[illegible]	[illegible]	16.5	10.5	2323.7	[illegible]	13.1	3.0	2332.1	3562.6	9.1	3.3	2336.1	3865.3		3.5	7
8	2312.1	[illegible]	16.2	[illegible]	2324.0	3014.3	13.5	3.0	2332.2	[redacted]	[redacted]	[redacted]	[redacted]	3879.6	9.1	3.5	8
9	2312.4	[illegible]	[illegible]	[illegible]	2324.3	[illegible]	13.7	3.0	2332.4	3584.5	9.2	3.5	2336.4	3888.4	8.2	3.5	9
10	[redacted]	[redacted]	16.0	9.9	2324.6	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	3.7	2336.5	3899.5	9.3	3.5	10
11	[illegible]	[illegible]	16.3	[illegible]	[illegible]	[illegible]	12.7	3.0	[illegible]	3604.1	[illegible]	3.5	[illegible]	[illegible]	[illegible]	3.3	11
12	2313.1	2395.3	[illegible]	9.9	2325.2	3093.2	12.7	3.0	[illegible]	3612.9	[illegible]	3.3	2336.7	[illegible]	[illegible]	3.3	12
13	2313.3	2407.3	16.3	[illegible]	2326.1	3145.5	31.7	3.0	[illegible]	3622.4	8.7	3.3	2336.8	3925.7	7.7	3.3	13
14	2313.5	2417.4	15.3	9.9	2326.5	3171.1	17.7	3.0	2333.1	3634.9	10.2	3.5	[illegible]	3932.9	7.4	3.3	14
15	2313.7	2428.0	15.4	9.9	2326.9	3202.6	15.7	3.0	2333.2	3645.3	9.3	3.5	2337.0	3939.2	7.1	3.3	15
16	2314.2	2451.7	21.5	9.4	2327.2	3225.4	14.9	3.0	2333.3	3655.0	8.9	3.7	2337.1	3944.9	6.9	3.3	16
17	2315.4	2516.2	39.6	7.1	2327.5	3246.3	14.0	3.0	2333.5	3670.7	11.9	3.8	2337.1	3949.7	6.5	3.3	17
18	2316.2	2558.4	24.2	2.8	2327.9	3268.5	14.6	3.0	2333.7	3683.4	10.9	3.7	2337.2	3953.7	6.3	3.1	18
19	2316.9	2595.4	21.5	2.8	2328.1	3286.8	12.8	3.0	2333.9	3694.6	9.9	3.7	2337.2	3957.0	5.9	3.1	19
20	2317.5	2627.5	19.6	2.8	2328.4	3304.5	12.4	3.0	2334.0	3705.1	9.3	3.7	2337.3	3960.2	5.9	3.1	20
21	2318.1	2657.1	18.1	2.8	2328.7	3323.0	12.7	3.0	2334.1	3715.8	9.8	3.7	2337.3	3964.2	5.8	3.1	21
22	2318.6	[illegible]	18.0	3.0	2328.9	3340.7	12.5	3.0	2334.3	3726.5	9.5	3.5	2337.4	3968.3	5.7	3.1	22
23	2319.1	2715.3	17.9	3.0	2329.2	3357.2	11.7	3.0	2334.4	3736.5	8.9	3.5	2337.4	3973.1	6.3	3.1	23
24	2319.6	2742.7	17.1	3.0	2329.4	3374.5	12.0	3.0	2334.5	3746.4	8.8	3.5	2337.6	3983.6	6.4	3.1	24
25	2320.0	2769.0	16.4	3.0	2329.7	3392.5	12.3	3.0	2334.7	3755.6	8.4	3.5	2337.6	3987.6	5.9	3.1	25
26	2320.4	2794.2	16.1	3.0	2329.9	3408.5	11.3	3.0	2334.8	3765.6	8.9	3.5	2337.7	3991.7	5.8	3.1	26
27	2320.9	2818.8	15.8	3.0	2330.1	3425.9	11.9	3.0	2334.9	3774.7	8.6	3.5	2337.7	3995.7	5.9	3.1	27
28	2321.3	2843.1	15.5	2.8	2330.4	3442.7	12.1	3.0	2335.0	3784.0	8.6	3.5	2337.8	4000.6	6.2	3.1	28
29					2330.6	3458.9	11.9	3.1	2335.2	3793.4	8.7	3.5	2337.8	4007.0	6.8	3.1	29
30					2330.8	3472.9	11.1	3.3	2335.3	3801.2	8.0	3.5	2337.9	4013.5	6.8	3.1	30
31					2331.0	3486.2	[illegible]	3.3					2337.9	4013.5	6.8	3.1	31
TOTAL			518.1	244.5			428.7	92.5			280.8	104.7			227.9	101.3	
Inf. Ac. Ft.			1027.6				850.4				557.0				452.0		
Outf. Ac. Ft.			485.0 + (13.9)				183.5 + (23.8)				207.7 + (34.3)				200.9 + (38.9)		
Max. Mean Daily Inf.			39.6 cfs				31.7 cfs				11.9 cfs				10.8 cfs		
Min. Mean Daily Inf.			15.3 cfs				10.5 cfs				8.0 cfs				5.7 cfs		
Storage Change			528.6 A.F.				643.1 A.F.				314.9 A.F.				212.3 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	[illegible]	4016.7	5.4	3.3	2338.3	4042.9	2.7	3.7	2333.3	3649.8	2.2	16.4	2319.2	2722.9	2.3	15.5	1
2	[illegible]	4020.7	5.8	3.3	2338.2	4039.6	2.7	3.7	2332.9	3619.5	2.2	16.4	2318.7	2693.7	2.3	16.0	2
3	[illegible]	4025.7	6.1	3.3	2338.2	4035.5	2.7	3.7	2332.4	3589.6	2.1	16.4	2318.2	2663.8	2.3	16.0	3
4	[illegible]	4030.6	6.4	3.3	2338.2	4032.2	2.7	3.7	2332.0	3559.7	2.1	16.4	2317.7	2634.6	2.3	16.0	4
5	[illegible]	4034.7	6.0	3.3	2338.1	4028.9	2.7	3.7	2331.6	3529.6	2.1	16.4	2317.1	2605.7	2.3	16.0	5
6	[illegible]	4037.9	5.6	3.3	2338.1	[illegible]	2.7	3.7	2331.2	3494.0	2.1	16.4	2316.6	2578.5	2.3	16.4	6
7	[illegible]	4041.2	5.6	3.3	2338.0	4020.7	2.7	3.7	2330.7	3467.3	2.1	16.4	2316.1	2548.9	2.4	16.4	7
8	[illegible]	4044.5	5.6	3.3	2338.0	4016.7	2.7	3.7	2330.3	3437.1	2.1	16.4	[illegible]	2521.9	2.4	16.4	8
9	[illegible]	4048.6	5.7	3.3	[illegible]	4011.9	2.7	3.7	[illegible]	3406.4	2.1	16.4	[illegible]	2494.0	2.4	16.4	9
10	[illegible]	4052.7	5.6	3.3	[illegible]	[illegible]	2.7	3.7	[illegible]	3377.3	2.1	16.4	2314.5	2466.0	2.4	16.4	10
11	[illegible]	[illegible]	5.2	3.3	[illegible]	[illegible]	2.3	3.7	2329.0	[illegible]	2.3	16.4	[illegible]	2437.0	3.2	16.4	11
12	[illegible]	4059.2	5.6	3.3	2337.7	3991.7	2.3	6.5	2328.6	3318.9	2.3	16.4	2313.3	2407.8	3.2	16.4	12
13	[illegible]	4062.5	5.6	3.3	2337.5	3977.1	2.3	8.2	2328.1	3288.2	2.3	16.4	2312.8	2381.3	3.2	16.4	13
14	[illegible]	4065.0	5.4	3.3	2337.3	3963.4	2.3	8.1	2327.7	3258.4	2.3	16.4	2312.2	2354.4	3.2	15.6	14
15	[illegible]	4066.6	5.4	3.5	2337.1	3948.1	2.3	8.8	2327.3	3229.4	2.3	16.4	2311.7	2326.7	3.2	16.8	15
16	[illegible]	4067.4	4.8	3.5	2336.9	3933.7	2.3	8.8	2326.8	3200.0	2.3	16.4	2311.1	2298.2	3.2	17.2	16
17	[illegible]	4067.4	4.4	3.5	2336.8	3919.4	2.3	8.8	2326.4	3171.4	2.3	16.4	2310.5	2270.3	3.2	17.2	17
18	[illegible]	[illegible]	4.4	3.5	2336.6	3905.1	2.3	8.8	2326.0	3143.6	2.4	16.4	2310.0	2242.9	3.2	17.2	18
19	[illegible]	[illegible]	4.4	3.5	2336.4	3889.2	2.2	8.8	2325.5	3112.8	2.4	16.4	[illegible]	2212.9	3.2	17.2	19
20	[illegible]	[illegible]	4.0	3.5	2336.2	3874.1	2.2	8.8	2325.1	3082.7	2.4	16.4	[illegible]	2183.9	3.1	17.2	20
21	[illegible]	[illegible]	4.1	3.5	2336.0	3859.0	2.1	8.8	2324.6	3055.6	1.5	16.4	[illegible]	2155.1	3.6	17.2	21
22	[illegible]	[illegible]	4.0	3.5	2335.8	3844.1	2.1	8.8	2324.2	3026.5	1.5	16.4	2307.6	2127.4	3.6	17.2	22
23	[illegible]	[illegible]	4.1	3.5	2335.6	3829.3	2.1	8.8	2323.7	2995.9	1.5	16.4	[illegible]	2097.4	3.6	17.2	23
24	[illegible]	[illegible]	4.0	3.5	2335.4	3813.7	2.1	8.8	2323.3	2967.9	1.5	15.3	2306.4	2070.0	3.6	17.2	24
25	[illegible]	[illegible]	3.1	3.5	2335.2	3797.3	2.1	8.8	2322.8	2937.1	1.5	15.2	[illegible]	2041.8	3.6	17.2	25
26	[illegible]	[illegible]	2.3	3.5	2335.0	3781.6	2.1	8.8	2322.3	2905.2	1.5	15.2	[illegible]	2014.1	3.7	17.2	26
27	[illegible]	[illegible]	2.8	3.7	2334.8	3766.3	2.1	8.8	2321.8	2874.9	1.5	15.6	[illegible]	1986.7	3.7	17.2	27
28	[illegible]	[illegible]	3.1	3.7	2334.6	3750.2	2.1	8.8	2321.3	2843.7	1.4	15.6	[illegible]	1958.8	3.7	17.2	28
29	[illegible]	[illegible]	3.2	3.7	2334.4	3734.9	2.0	8.8	2320.8	2814.0	1.4	15.6	[illegible]	1931.7	3.7	17.2	29
30	[illegible]	[illegible]	3.7	3.7	2334.1	3711.2	2.0	14.1	2320.3	2783.4	1.4	15.6	[illegible]	1905.1	3.7	17.2	30
31					2333.7	3680.4	2.0	16.4	2319.7	2752.6	1.4	15.6					31
TOTAL			141.4	103.0			72.6	226.0			60.6	500.9			92.0	501.2	
Inf. Ac. Ft.			280.5				144.0				120.2				182.5		
Outf. Ac. Ft.			204.3 + (43.4)				448.3 + (61.5)				993.5 + (54.5)				994.1 + (35.9)		
Max. Mean Daily Inf.			6.4 cfs				2.7 cfs				2.4 cfs				3.7 cfs		
Min. Mean Daily Inf.			2.3 cfs				2.0 cfs				1.4 cfs				2.3 cfs		
Storage Change			32.7 A.F.				-365.7 A.F.				-927.8 A.F.				-847.5 A.F.		

Max. W.S. Elev. 1313.5 feet on 11/29/70 Storage 101.2 Acre-Feet
Min. W.S. Elev. 1310.4 feet on various days Storage 89.5 Acre-Feet
Max. Peak Inf. 70.5 CFS from 12:00 noon on 11/29/70 to 3:00 p.m. on 11/29/70
Max. Peak Outf. 48.0 CFS from 3:15 p.m. on 11/29/70 to 5:00 p.m. on 11/29/70

REMARKS: [Indicates average for period.
( ) Indicates evaporation losses.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG TUJUNGA DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN

DRAINAGE AREA 82.1 SQ. MI.
CAPACITY OF RESERVOIR 4,472.5 AC. FT.,
@ SPILLWAY ELEVATION 2,290.0 FT.,
as of FEBRUARY, 1970

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS
1	2149.0	0	9.9	9.9
2	2149.0	0	9.9	9.9
3	2149.0	0	9.9	9.9
4	2149.0	0	9.8	9.8
5	2149.0	0	9.8	9.8
6	2149.0	0	9.8	9.8
7	2149.0	0	9.7	9.7
8	2149.0	0	9.7	9.7
9	2149.0	0	9.7	9.7
10	2149.0	0	9.7	9.7
11	2149.0	0	9.8	9.8
12	2149.0	0	9.9	9.9
13	2149.0	0	10.0	10.0
14	2149.0	0	10.2	10.2
15	2149.0	0	10.4	10.4
16	2149.0	0	10.5	10.5
17	2149.0	0	10.5	10.5
18	2149.0	0	10.6	10.6
19	2149.0	0	10.7	10.7
20	2149.0	0	10.8	10.8
21	2149.0	0	10.8	10.8
22	2149.0	0	10.9	10.9
23	2149.0	0	10.9	10.9
24	2149.0	0	10.7	10.7
25	2149.0	0	10.5	10.5
26	2149.0	0	10.3	10.3
27	2149.0	0	10.1	10.1
28	2149.0	0	9.9	9.9
29	2149.0	0	9.7	9.7
30	2149.0	0	9.6	9.6
31	2149.0	0	9.8	9.8
TOTAL			314.5	314.5
Inf. Ac. Ft.	623.8			
Outf. Ac. Ft.	[illegible]3.8 + ( )			
Max. Mean Daily Inf.	10.9 cfs			
Min. Mean Daily Inf.	9.6 cfs			
Storage Change	0 A.F.			

NOVEMBER

Day	Height	Acre-Ft. Storage	CFS Inflow	CFS
1	2149.0	0	10.[illegible]	[illegible]
2	2149.0	0	10.[illegible]	10.0
3	2149.0	0	10.0	10.0
4	2149.0	0	10.[illegible]	10.[illegible]
5	2149.0	0	10.[illegible]	10.[illegible]
6	2149.0	0	12.[illegible]	12.1
7	2149.0	0	33.[illegible]	33.0
8	2149.0	0	30.[illegible]	30.0
9	2149.0	0	[illegible]	[illegible]
10	2149.0	0	24.[illegible]	[illegible]
11	2149.0	0	20.2	20.0
12	2149.0	0	17.[illegible]	17.0
13	2149.0	0	13.[illegible]	13.7
14	2149.0	0	13.[illegible]	13.7
15	2149.0	0	13.[illegible]	13.7
16	2149.0	0	13.[illegible]	13.7
17	2149.0	0	13.[illegible]	13.8
18	2149.0	0	13.[illegible]	13.8
19	2149.0	0	13.[illegible]	13.8
20	2149.0	0	13.[illegible]	13.8
21	2149.0	0	13.[illegible]	13.8
22	2149.0	0	13.[illegible]	13.8
23	2149.0	0	13.9	13.9
24	2149.0	0	14.[illegible]	14.0
25	2149.0	0	14.[illegible]	14.0
26	2149.0	0	[illegible]	14.0
27	2149.0	0	[illegible]	14.0
28	2149.0	0	[illegible]	14.0
29	2149.0	0	[illegible]	14.0
30	2149.0	0	[illegible]	14.0
31				
TOTAL			[illegible]	452.6
Inf. Ac. Ft.	[illegible]			
Outf. Ac. Ft.	[illegible] + (.0)			
Max. Mean Daily Inf.	[illegible] cfs			
Min. Mean Daily Inf.	[illegible] cfs			
Storage Change	[illegible] A.F.			

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS
1	2149.0	0	14.1	14.1
2	2149.0	0	14.2	14.2
3	2149.0	0	14.2	14.2
4	2149.0	0	14.2	14.2
5	2149.0	0	14.0	14.0
6	2149.0	0	13.8	13.8
7	2149.0	0	13.6	13.6
8	2149.0	0	13.4	13.4
9	2149.0	0	13.2	13.2
10	2149.0	0	13.0	13.0
11	2149.0	0	12.9	12.9
12	2149.0	0	13.1	13.1
13	2149.0	0	13.3	13.3
14	2149.0	0	13.5	13.5
15	2149.0	0	13.7	13.7
16	2149.0	0	13.9	13.9
17	2149.0	0	14.1	14.1
18	2149.0	0	14.4	14.4
19	2149.0	0	14.2	14.2
20	2149.0	0	14.0	14.0
21	2149.0	0	13.8	13.8
22	2149.0	0	13.7	13.7
23	2149.0	0	13.6	13.6
24	2149.0	0	13.6	13.6
25	2149.0	0	13.5	13.5
26	2149.0	0	13.5	13.5
27	2149.0	0	13.6	13.6
28	2149.0	0	13.7	13.7
29	2149.0	0	13.8	13.8
30	2149.0	0	13.9	13.9
31	2149.0	0	14.0	14.0
TOTAL			425.5	425.5
Inf. Ac. Ft.	843.9			
Outf. Ac. Ft.	843.[illegible] ( )			
Max. Mean Daily Inf.	14.4 cfs			
Min. Mean Daily Inf.	12.[illegible] cfs			
Storage Change	0 A.F.			

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	14.1	14.1
2	2149.0	0	14.3	14.3
3	2149.0	0	14.1	14.1
4	2149.0	0	13.9	13.9
5	2149.0	0	13.7	13.7
6	2149.0	0	13.5	13.5
7	2149.0	0	13.2	13.2
8	2149.0	0	12.9	12.9
9	2149.0	0	13.9	13.9
10	2149.0	0	14.9	14.9
11	2149.0	0	15.9	15.9
12	2149.0	0	16.9	16.9
13	2149.0	0	16.5	16.5
14	2149.0	0	16.1	16.1
15	2149.0	0	15.7	15.7
16	2149.0	0	21.4	21.4
17	2149.0	0	20.0	20.0
18	2149.0	0	18.0	18.0
19	2149.0	0	15.8	15.8
20	2149.0	0	15.6	15.5
21	2149.0	0	15.3	15.3
22	2149.0	0	15.0	15.0
23	2149.0	0	14.8	14.8
24	2149.0	0	14.5	14.5
25	2149.0	0	14.2	14.2
26	2149.0	0	13.9	13.9
27	2149.0	0	13.6	13.6
28	2149.0	0	13.3	13.3
29	2149.0	0	13.0	13.0
30	2149.0	0	13.0	13.0
31	2149.0	0	13.0	13.0
TOTAL			474.0	474.0
Inf. Ac. Ft.	920.3			
Outf. Ac. Ft.	[illegible] ( )			
Max. Mean Daily Inf.	21.4 cfs			
Min. Mean Daily Inf.	12.9 cfs			
Storage Change	0 A.F.			

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	12.8	12.8
2	2149.0	0	12.6	12.6
3	2149.0	0	12.4	12.4
4	2149.0	0	12.2	12.2
5	2149.0	0	12.1	12.1
6	2149.0	0	10.0	10.0
7	2168.1	31.4	15.9	0
8	2175.9	77.8	23.5	0
9	2181.9	134.7	28.7	0
10	2191.[illegible]	260.6	98.5	35.0
11	2188.6	220.7	131.9	152.0
12	2189.5	234.1	43.8	37.0
13	2192.9	288.6	33.2	5.7
14	2194.2	311.1	23.9	12.5
15	2195.1	327.1	20.7	12.5
16	2195.7	338.1	18.1	12.5
17	2196.2	347.4	17.4	12.6
18	2196.7	356.8	17.7	12.7
19	2197.0	362.5	15.9	12.8
20	2197.2	366.[illegible]	15.1	12.9
21	2197.4	370.3	15.1	13.0
22	2197.6	374.2	15.2	13.1
23	2197.8	378.1	14.3	12.2
24	2198.0	382.0	15.4	13.3
25	2198.1	384.0	14.5	13.4
26	2198.1	384.0	13.7	13.6
27	2198.2	386.1	14.7	13.6
28	2214.7	777.1	225.2	28.0
29				
30				
31				
TOTAL			904.5	510.5
Inf. Ac. Ft.	1794.2			
Outf. Ac. Ft.	1012.5 + (4.5)			
Max. Mean Daily Inf.	225.2 cfs			
Min. Mean Daily Inf.	10.0 cfs			
Storage Change	777.1 A.F.			

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2230.4	1374.6	[illegible]	131.0
2	2236.5	1479.6	[illegible]	13[illegible]
3	2236.3	1471.3	[illegible]	[illegible]
4	2234.5	1402.9	[illegible]	151.0
5	2233.2	1354.4	[illegible]	133.0
6	2232.8	1339.7	[illegible]	110.0
7	2232.0	1310.8	[illegible]	109.0
8	2230.5	1252.0	[illegible]	108.0
9	2228.2	1179.8	[illegible]	107.0
10	2225.7	1098.4	[illegible]	106.0
11	2222.7	1005.3	96.2	105.0
12	2219.3	905.0	[illegible].6	103.0
13	2217.3	848.4	[illegible].6	86.0
14	2216.6	828.9	50.4	70.0
15	2215.8	806.9	[illegible]	60.0
16	2215.0	785.2	[illegible]	50.0
17	2214.0	768.4	[illegible].7	41.0
18	2213.1	734.6	[illegible].4	41.0
19	2212.3	713.8	[illegible].8	41.0
20	2211.3	688.1	[illegible]	40.0
21	2210.4	665.2	[illegible].7	39.0
22	2209.4	640.2	[illegible].6	39.0
23	2208.2	610.6	[illegible]	38.0
24	2207.0	581.6	[illegible].6	38.0
25	2205.7	550.9	[illegible]	37.0
26	2204.4	520.7	[illegible].0	37.0
27	2203.1	491.1	[illegible].4	37.0
28	2201.7	460.0	[illegible].5	36.0
29	2200.3	429.6	[illegible].9	36.0
30	2199.0	402.3	[illegible].3	36.0
31	2197.9	380.1	[illegible].9	36.0
TOTAL			[illegible]8.0	2263.0
Inf. Ac. Ft.	[illegible]1.8			
Outf. Ac. Ft.	[illegible]8.5 + (10.3)			
Max. Mean Daily Inf.	[illegible]71.7 cfs			
Min. Mean Daily Inf.	[illegible].5 cfs			
Storage Change	-[illegible].0 A.F.			

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2196.6	354.9	23.5	36.0
2	2194.3	323.5	22.3	36.0
3	2193.9	305.8	22.3	32.0
4	2192.2	276.9	18.7	33.0
5	2190.7	252.6	[16.4	33.0
6	2190.2	244.8	16.4	26.0
7	2190.0	241.7	16.4	19.0
8	2189.8	238.6	16.4	18.1
9	2189.7	237.1	16.4	18.1
10	2189.5	234.1	16.4	18.1
11	2189.2	229.6	16.4	18.1
12	2188.9	225.1	16.4	18.1
13	2178.9	103.3	16.4	82.0
14	2149.0	0	16.4	52.0
15	2149.0	0	16.0	16.0
16	2149.0	0	16.0	16.0
17	2149.0	0	16.0	15.0
18	2149.0	0	15.9	15.9
19	2149.0	0	15.8	15.8
20	2149.0	0	15.8	15.8
21	2149.0	0	15.7	15.7
22	2149.0	0	15.6	15.6
23	2149.0	0	15.6	15.6
24	2149.0	0	15.6	15.6
25	2149.0	0	15.6	15.6
26	2149.0	0	15.6	15.6
27	2149.0	0	15.6	15.6
28	2149.0	0	15.3	15.3
29	2149.0	0	15.0	15.0
30	2149.0	0	14.6	14.6
31				
TOTAL			498.4	688.2
Inf. Ac. Ft.	988.6			
Outf. Ac. Ft.	1366.0 + (3.8)			
Max. Mean Daily Inf.	23.5 cfs			
Min. Mean Daily Inf.	14.6 cfs			
Storage Change	-380.0 A.F.			

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	14.3	14.3
2	2149.0	0	14.0	14.0
3	2149.0	0	13.6	13.6
4	2149.0	0	13.2	13.2
5	2149.0	0	12.8	12.8
6	2149.0	0	12.4	12.4
7	2149.0	0	12.1	12.1
8	2149.0	0	12.0	12.0
9	2149.0	0	11.8	11.8
10	2149.0	0	11.7	11.7
11	2149.0	0	11.5	11.5
12	2149.0	0	11.4	11.4
13	2149.0	0	11.2	11.2
14	2149.0	0	11.1	11.1
15	2149.0	0	10.9	10.9
16	2149.0	0	10.8	10.8
17	2149.0	0	10.6	10.6
18	2149.0	0	10.5	10.5
19	2149.0	0	10.3	10.3
20	2149.0	0	10.1	10.1
21	2149.0	0	10.0	10.0
22	2149.0	0	10.0	10.0
23	2149.0	0	10.0	10.0
24	2149.0	0	10.0	10.0
25	2149.0	0	10.1	10.1
26	2149.0	0	10.1	10.1
27	2149.0	0	10.1	10.1
28	2149.0	0	10.1	10.1
29	2149.0	0	10.0	10.0
30	2149.0	0	9.6	9.6
31	2149.0	0	9.2	9.2
TOTAL			345.5	345.5
Inf. Ac. Ft.	685.2			
Outf. Ac. Ft.	685.2 + (.0)			
Max. Mean Daily Inf.	14.3 cfs			
Min. Mean Daily Inf.	9.2 cfs			
Storage Change	0 A.F.			

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	8.6	8.6
2	2149.0	0	8.0	8.0
3	2149.0	0	7.4	7.4
4	2149.0	0	7.4	7.4
5	2149.0	0	7.4	7.4
6	2149.0	0	7.4	7.4
7	2149.0	0	7.5	7.5
8	2149.0	0	7.5	7.5
9	2149.0	0	7.6	7.6
10	2149.0	0	7.6	7.6
11	2149.0	0	7.6	7.6
12	2149.0	0	7.6	7.6
13	2149.0	0	7.5	7.5
14	2149.0	0	7.4	7.4
15	2149.0	0	7.4	7.4
16	2149.0	0	7.3	7.3
17	2149.0	0	7.2	7.2
18	2149.0	0	7.2	7.2
19	2149.0	0	6.8	6.8
20	2149.0	0	6.4	6.4
21	2149.0	0	6.0	6.0
22	2149.0	0	5.6	5.6
23	2149.0	0	5.2	5.2
24	2149.0	0	4.8	4.8
25	2149.0	0	4.4	4.4
26	2149.0	0	4.3	4.3
27	2149.0	0	4.2	4.2
28	2149.0	0	4.1	4.1
29	2149.0	0	4.0	4.0
30	2149.0	0	4.0	4.0
31				
TOTAL			195.4	195.4
Inf. Ac. Ft.	387.5			
Outf. Ac. Ft.	387.5 + (.0)			
Max. Mean Daily Inf.	8.6 cfs			
Min. Mean Daily Inf.	4.0 cfs			
Storage Change	0 A.F.			

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	3.9	3.9
2	2149.0	0	3.8	3.8
3	2149.0	0	3.7	3.7
4	2149.0	0	3.6	3.6
5	2149.0	0	3.5	3.5
6	2149.0	0	3.4	3.4
7	2149.0	0	3.2	3.2
8	2149.0	0	3.0	3.0
9	2149.0	0	2.8	2.8
10	2149.0	0	2.8	2.8
11	2149.0	0	2.7	2.7
12	2149.0	0	2.7	2.7
13	2149.0	0	2.6	2.6
14	2149.0	0	2.5	2.5
15	2149.0	0	2.5	2.5
16	2149.0	0	2.4	2.4
17	2149.0	0	2.3	2.3
18	2149.0	0	2.2	2.2
19	2149.0	0	2.1	2.1
20	2149.0	0	2.0	2.0
21	2149.0	0	2.0	2.0
22	2149.0	0	2.1	2.1
23	2149.0	0	2.1	2.1
24	2149.0	0	2.1	2.1
25	2149.0	0	2.2	2.2
26	2149.0	0	2.3	2.3
27	2149.0	0	2.4	2.4
28	2149.0	0	2.4	2.5
29	2149.0	0	2.5	2.5
30	2149.0	0	2.6	2.6
31	2149.0	0	2.5	2.5
TOTAL			83.0	83.0
Inf. Ac. Ft.	164.6			
Outf. Ac. Ft.	164.6 + (.0)			
Max. Mean Daily Inf.	3.9 cfs			
Min. Mean Daily Inf.	2.0 cfs			
Storage Change	0 A.F.			

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	2.3	2.3
2	2149.0	0	2.2	2.2
3	2149.0	0	2.0	2.0
4	2149.0	0	1.9	1.9
5	2149.0	0	1.7	1.7
6	2149.0	0	1.6	1.6
7	2149.0	0	1.6	1.6
8	2149.0	0	1.6	1.6
9	2149.0	0	1.7	1.7
10	2149.0	0	1.7	1.7
11	2149.0	0	1.7	1.7
12	2149.0	0	1.8	1.8
13	2149.0	0	1.8	1.8
14	2149.0	0	1.8	1.8
15	2149.0	0	1.8	1.8
16	2149.0	0	1.9	1.9
17	2149.0	0	1.9	1.9
18	2149.0	0	2.0	2.0
19	2149.0	0	2.0	2.0
20	2149.0	0	2.0	2.0
21	2149.0	0	2.0	2.0
22	2149.0	0	1.9	1.9
23	2149.0	0	1.9	1.9
24	2149.0	0	1.8	1.8
25	2149.0	0	1.8	1.8
26	2149.0	0	1.7	1.7
27	2149.0	0	1.7	1.7
28	2149.0	0	1.7	1.7
29	2149.0	0	1.7	1.7
30	2149.0	0	1.7	1.7
31	2149.0	0	1.7	1.7
TOTAL			56.6	56.6
Inf. Ac. Ft.	112.2			
Outf. Ac. Ft.	112.2 + (.0)			
Max. Mean Daily Inf.	2.3 cfs			
Min. Mean Daily Inf.	1.6 cfs			
Storage Change	0 A.F.			

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2149.0	0	1.7	1.7
2	2149.0	0	1.7	1.7
3	2149.0	0	1.7	1.7
4	2149.0	0	1.7	1.7
5	2149.0	0	1.7	1.7
6	2149.0	0	1.7	1.7
7	2149.0	0	1.7	1.7
8	2149.0	0	1.7	1.7
9	2149.0	0	1.7	1.7
10	2149.0	0	1.7	1.7
11	2149.0	0	1.8	1.8
12	2149.0	0	1.8	1.8
13	2149.0	0	1.8	1.8
14	2149.0	0	1.8	1.8
15	2149.0	0	1.8	1.8
16	2149.0	0	1.8	1.8
17	2149.0	0	1.8	1.8
18	2149.0	0	1.8	1.8
19	2149.0	0	1.8	1.8
20	2149.0	0	1.8	1.8
21	2149.0	0	1.8	1.8
22	2149.0	0	1.8	1.8
23	2149.0	0	1.8	1.8
24	2149.0	0	1.8	1.8
25	2149.0	0	1.8	1.8
26	2149.0	0	1.7	1.7
27	2149.0	0	1.7	1.7
28	2149.0	0	1.6	1.6
29	2149.0	0	1.6	1.6
30	2149.0	0	1.5	1.5
31				
TOTAL			52.1	52.1
Inf. Ac. Ft.	103.3			
Outf. Ac. Ft.	103.3 + (.0)			
Max. Mean Daily Inf.	1.8 cfs			
Min. Mean Daily Inf.	1.5 cfs			
Storage Change	0 A.F.			

Max. W.S. Elev.	2236.7 feet	on 3/3/70	Storage 1,487.4 Acre-Feet		
Min. W.S. Elev.	2149.0 feet	on various days	Storage Acre-Feet		
Max. Peak Inf.	613	CFS from 2:00 a.m.	on 3/[illegible]	to [illegible]:00 a.m.	on 3/1/70
Max. Peak Outf.	191	CFS from 8:00 a.m.	on 4/[illegible]	to 10:00 a.m.	on 4/13/70
REMARKS:	[indicates average for period				
	( ) indicates evaporation loss				

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

DEVIL'S GATE DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 31.9 SQ. MI.
CAPACITY OF RESERVOIR 2,003.3 AC. FT.
@ SPILLWAY ELEVATION 1,064.0 FT.
as of NOVEMBER 19 70

Day	T'RES Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	[illegible]5.0	0	-	+	1001.[illegible]	.8	+	0	1022.7	38.0	+	0	1017.3	10.8	-	0	1
2	[illegible]5.0	0	+	+	1002.0	.8	+	0	1022.6	37.1	+	0	1017.2	10.6	+	0	2
3	995.0	0	+	+	1[illegible]2.0	.8	+	0	1022.5	36.0	+	0	1017.1	10.4	+	0	3
4	[illegible].0	+	+	+	1002.0	.8	+	0	1022.4	34.9	+	0	1017.0	10.2	+	0	4
5	99[illegible].0	+	+	+	1002.0	.8	+	0	1022.3	33.9	+	0	1016.9	10.0	+	0	5
6	997.5	.1	+	+	1024.2	61.4	31.6	0	1022.2	32.[illegible]	+	0	1016.7	9.7	+	0	6
7	[illegible].0	.1	+	+	1025.5	90.7	16.1	0	1022.0	30.6	+	0	1016.6	9.6	+	0	7
8	998.3	.2	+	+	1025.3	85.7	+	0	1022.0	30.6	-	0	1016.5	9.4	-	0	8
9	998.6	.2	+	+	1025.2	83.2	+	0	1021.[illegible]	29.9	+	0	1020.0	18.4	4.9	0	9
10	998.9	.2	+	+	1025.0	78.2	+	0	1021.8	29.1	+	0	1022.4	34.9	8.8	0	10
11	999.2	.3	+	+	1024.[illegible]	76.1	+	0	1021.6	27.7	+	0	1022.7	38.2	7.3	0	11
12	999.4	.3	+	+	1024.8	74.0	+	0	1021.5	26.9	+	0	1022.6	37.1	+	0	12
13	999.6	.3	+	+	1024.[illegible]	69.8	+	0	1021.3	25.5	+	0	1022.5	36.0	+	0	13
14	999.8	.4	+	+	1024.5	67.7	-	0	1021.1	24.0	+	0	1023.1	43.1	4.3	0	14
15	1000.0	.4	+	+	1024.4	65.6	+	0	1020.9	22.8	+	0	1023.1	43.1	.8	0	15
16	1000.2	.5	+	+	1024.3	63.5	+	0	1020.7	21.6	+	0	1025.5	90.7	25.5	0	16
17	1000.4	.5	+	-	1024.2	61.4	-	0	1020.5	20.8	+	0	1025.4	88.2	+	0	17
18	1000.[illegible]	.5	+	+	1024.1	59.3	+	0	1020.3	19.9	+	0	1025.4	88.2	+	0	18
19	1000.8	.6	+	+	1023.[illegible]	55.6	+	0	1020.1	18.9	+	0	1025.3	85.7	+	0	19
20	1000.[illegible]	.6	+	+	1023.8	54.0	+	0	1019.9	18.0	+	0	1025.2	83.2	+	0	20
21	1001.0	.6	+	+	1923.7	52.5	+	0	1019.7	17.3	-	0	1025.2	83.2	+	0	21
22	1001.2	.7	+	+	1023.7	52.5	+	0	101[illegible].4	16.3	+	0	1025.1	80.7	+	0	22
23	1001.[illegible]	.7	+	+	1023.[illegible]	50.9	+	0	1019.1	15.2	-	0	1025.1	80.7	+	0	23
24	1001.3	.7	+	+	1023.4	47.8	+	0	101[illegible]	14.4	+	0	1025.[illegible]	78.2	+	0	24
25	1001.3	.7	+	+	1023.3	46.2	+	0	1018.4	13.3	+	0	1024.9	76.1	-	0	25
26	1001.3	.7	+	+	1023.2	44.6	+	0	101[illegible].1	12.5	+	0	1024.[illegible]	76.1	+	0	26
27	1001.4	.7	+	+	1023.1	43.1	+	0	1017.9	12.0	+	0	1024.8	74.0	+	0	27
28	1001.5	.7	.1	+	1023.0	41.5	+	0	1017.[illegible]	11.6	+	0	1024.[illegible]	74.0	+	0	28
29	1001.6	.7	.1	+	[illegible]	40.4	+		1017.7	11.6	+	0	1024.7	71.9	+	0	29
30	1001.6	.7	.1	+	1022.8	39.3	+	0	1017.[illegible]	11.4	+	0	1024.[illegible]	69.8	+	0	30
31	1001.9	.8	.1	+					1017.4	[illegible]	+	0	1024.[illegible]	69.8	-	0	31
TOTAL			.4	-			47.7	0			+	0			46.6	0	
Inf. Ac. Ft.			+				94.6				+				92.4		
Outf. Ac. Ft.			+ + [illegible].0)				0 + (56.1)				0 + (28.3)				0 + (33.7)		
Max. Mean Daily Inf.			0.1 cfs				31.6 cfs				+ cfs				25.5 cfs		
Min. Mean Daily Inf.			+ cfs				+ cfs				+ cfs				+ cfs		
Storage Change			.8 A.F.				38.5 A.F.				-28.3 A.F.				58.7 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow		MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1024.5	67.7	+	0	1037.7	557.2	196.3	237.0	1036.0	468.7	+	0	1032.6	319.5	+	0	1
2	1024.4	65.6	+	0	1036.8	509.2	152.5	174.0	1036.0	468.7	-	0	1032.5	315.6	+	0	2
3	1024.4	65.6	+	0	1037.[illegible]	551.8	24.2	[illegible]	1035.8	459.3	-	0	1032.4	311.7	+	0	3
4	1024.3	63.5	+	0	104[illegible].0	692.8	124.7	52.0	1035.7	454.5	-	0	1032.3	307.7	+	0	4
5	1024.3	63.5	+	0	1038.4	596.6	73.4	119.0	1035.6	449.8	-	0	1032.1	299.9	+	0	5
6	1024.2	61.4	+	0	103[illegible].2	643.6	27.0	[illegible]	1035.5	445.0	-	0	1032.1	299.9	+	0	6
7	1024.1	59.3	+	0	103[illegible].1	637.4	+	0	1035.4	440.3	+	0	1031.9	292.1	+	0	7
8	1024.1	59.3	+	0	1[illegible]3[illegible].0	631.2	+	0	1035.3	435.6	-	0	1031.8	288.6	+	0	8
9	1025.[illegible]	83.[illegible]	13.3	0	1938.9	625.5	+	0	1035.2	430.8	-	0	1031.7	284.9	+	0	9
10	1033.2	343.5	133.3	0	1038.8	619.7	+	0	1035.1	426.1	-	0	1031.6	281.2	+	0	10
11	1034.1	381.3	21.6	0	1038.7	613.9	+	0	1035.0	421.3	-	0	1031.5	277.5	+	0	11
12	1034.0	376.9	-	0	1038.5	602.3	+	0	1034.9	416.9	-	0	1031.4	273.8	-	0	12
13	1033.8	368.5	+	0	1038.3	590.8	+	0	1034.7	408.0	+	0	1031.3	270.2	-	0	13
14	1033.[illegible]	368.5	-	0	1038.2	585.0	+	0	1034.6	403.6	+	0	1031.2	266.5	+	0	14
15	1033.7	364.4	+	0	1038.0	573.4	+	0	1034.5	399.1	+	0	1031.1	262.8	+	0	15
16	1033.5	35[illegible].0	+	0	1037.9	56[illegible].0	+	0	1034.4	394.7	+	0	1031.0	259.1	+	0	16
17	1033.4	351.9	+	0	1037.[illegible]	562.6	+	0	1034.2	385.8	+	0	103[illegible]	255.6	+	0	17
18	1033.3	347.7	+	0	1037.[illegible]	551.8	+	0	1034.1	381.3	+	0	103[illegible]	252.1	+	0	18
19	1033.2	343.5	+	0	103[illegible].5	546.4	+	0	1034.0	376.9	+	0	103[illegible].7	248.6	+	0	19
20	1033.0	335.2	+	0	103[illegible].4	541.0	+	0	1033.9	372.7	+	0	1030.6	245.1	+	0	20
21	1033.0	335.2	+	0	1037.2	530.2	+	0	1033.[illegible]	368.5	+	0	103[illegible].5	241.7	+	0	21
22	1032.9	331.3	+	0	1037.1	524.7	+	0	1033.[illegible]	360.2	+	0	103[illegible].4	238.2	+	0	22
23	1032.[illegible]	327.3	+	0	1037.0	519.3	+	0	1033.5	356.0	+	0	1030.3	234.7	+	0	23
24	1032.7	323.4	+	0	1036.9	514.3	+	0	1033.4	351.9	+	0	103[illegible].2	231.2	+	0	24
25	1032.6	319.5	+	0	1036.7	504.2	+	0	1033.2	343.5	+	0	103[illegible].1	227.7	+	0	25
26	1032.5	315.6	+	0	103[illegible].6	499.1	+	0	1033.1	339.4	+	0	1030.0	224.2	+	0	26
27	1032.4	311.7	+	0	1036.5	494.0	+	0	1033.0	335.2	+	0	1029.9	220.9	+	0	27
28	103[illegible].2	643.6	[illegible]52.3	32.0	103[illegible].4	484.0	+	0	1032.[illegible]	331.3	+	0	102[illegible]	217.6	+	0	28
29					1036.2	478.9	+	0	1032.[illegible]	327.3	+	0	1029.7	214.3	+	0	29
30					1036.2	478.9	-	0	1032.7	323.4	-	0	1029.6	211.0	+	0	30
31					1036.1	473.8	+	0					1029.6	211.0	+	0	31
TOTAL			370.5	32.0			598.1	590.0			+	0			+	0	
Inf. Ac. Ft.			735				1186.3				-				+		
Outf. Ac. Ft.			3.5 [illegible]				5[illegible]4 + ([illegible]5.[illegible])				0 + (150.3)				0 + (112.4)		
Max. Mean Daily Inf.			202.3 cfs				196.3 cfs				+ cfs				+ cfs		
Min. Mean Daily Inf.			+ cfs				+ cfs				+ cfs				+ cfs		
Storage Change			5[illegible].7 A.F.				169.[illegible] A.F.				-150.3 A.F.				-112.3 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1029.5	207.7	+	0	1026.7	122.4	0	0			0	0			0	0	1
2	1029.4	204.4	+	0	1026.6	119.7	0	0			0	0			0	0	2
3	1029.3	201.2	+	0	1026.3	111.4	0	[illegible].7			0	0			0	0	3
4	1029.2	197.8	+	0	1025.8	[illegible].2	0	3.7			0	0			0	0	4
5	1029.1	194.5	+	0	1025.4	88.2	0	[illegible]			0	0			0	0	5
6	1029.0	191.2	+	0	1024.9	76.1	0	4.9			0	0			0	0	6
7	1028.9	188.1	+	0	1024.4	65.6	0	[illegible]			0	0			0	0	7
8	1028.8	185.0	+	0	1024.0	57.2	0	[illegible]			0	0			0	0	8
9	1028.7	181.9	+	0	1023.6	50.2	0	[illegible]			0	0			0	0	9
10	1028.6	178.8	+	0	1023.2	44.6	0	[illegible]			0	0			0	0	10
11	1028.5	175.6	+	0	1022.8	39.3	0	[illegible]			0	0			0	0	11
12	1028.4	172.5	+	0	1022.3	33.9	0	[illegible]			0	0			0	0	12
13	1028.3	169.4	+	0	1021.5	26.9	0	[illegible]			0	0			0	0	13
14	1028.3	169.4	+	0	1019.4	16.3	0	[illegible]			0	0			0	0	14
15	1028.2	166.3	+	0	995.0	0	0	[illegible]		NO STORAGE	0	0		NO STORAGE	0	0	15
16	1028.1	163.2	+	0	995.0	0	0	0			0	0			0	0	16
17	1028.0	160.0	+	0	995.0	0	0	0			0	0			0	0	17
18	1027.9	157.1	+	0	995.0	0	0	0			0	0			0	0	18
19	1027.8	154.2	+	0	995.0	0	0	0			0	0			0	0	19
20	1027.8	154.2	+	0	995.0	0	0	0			0	0			0	0	20
21	1027.7	151.2	+	0	995.0	0	0	0			0	0			0	0	21
22	1027.6	148.3	+	0	995.0	0	0	0			0	0			0	0	22
23	1027.5	145.3	+	0	995.0	0	0	0			0	0			0	0	23
24	1027.4	142.4	+	0	995.0	0	0	0			0	0			0	0	24
25	1027.3	139.5	+	0	995.0	0	0	0			0	0			0	0	25
26	1027.2	136.5	+	0	995.0	0	0	0			0	0			0	0	26
27	1027.1	133.6	+	0	995.0	0	0	0			0	0			0	0	27
28	1027.0	130.6	+	0	995.0	0	0	0			0	0			0	0	28
29	1026.9	127.9	+	0	995.0	0	0	0			0	0			0	0	29
30	1026.8	125.1	+	0	995.0	0	0	0			0	0			0	0	30
31					995.0		0	0			0	0			0	0	31
TOTAL			+	0			0	49.2			0				0		
Inf. Ac. Ft.			+				0				0				0		
Outf. Ac. Ft.			0 + (85.8)				97.5 + (27.6)				0				0		
Max. Mean Daily Inf.			+ cfs				0 cfs				0				0		
Min. Mean Daily Inf.			+ cfs				0 cfs				0				0		
Storage Change			-85.8 A.F.				-125.1 A.F.				0				0		

Max. W.S. Elev. 1040.0 feet on 3/4/70 Storage 6[illegible].8 Acre-Feet
Min. W.S. Elev. 995.0 feet on various days Storage 0 Acre-Feet
Max. Peak Inf. 534 CFS from 5:00 p.m. on 3/4/70 to 9:00 p.m. on 3/4/70
Max. Peak Outf. 418 CFS from 9:30 p.m. on 3/4/70 to 10:00 p.m. on 3/4/70
REMARKS: ( ) Indicates percolation losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

COGSWELL DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 39.3 SQ. MI.
CAPACITY OF RESERVOIR 9338.8 AC. FT.
@ SPILLWAY ELEVATION 2385.2 FT
as of March, 19 69

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2302.2	1874.7	2.6	17.2	2280.0	1006.9	1.6	2.5	2276.7	902.7	2.3	3.0	2315.7	2528.6	24.4	29.0	1
2	2301.6	1852.3	2.6	17.2	[illegible]	1002.0	1.6	3.7	2276.6	901.5	2.5	3.0	2315.5	2520.4	24.9	29.0	2
3	2301.1	1827.4	2.6	16.8	2279.6	995.5	1.6	4.0	2276.7	904.5	3.0	3.0	2315.3	2509.5	23.6	29.0	3
4	2300.5	[illegible]	2.6	16.8	[illegible]	[illegible]	1.6	3.8	2276.6	[illegible]	3.0	3.0	2315.1	[illegible]	21.3	[illegible]	4
5	2299.9	[illegible]	[illegible]	[illegible]	2279.3	984.0	[redacted]	3.3	[illegible]	900.0	2.7	3.0	2314.7	2476.7	19.3	29.0	5
6	2299.3	[illegible]	2.6	16.8	2279.1	979.4		3.1	2276.6	899.1	2.4	2.7	2314.3	2457.3	18.4	28.0	6
7	2298.7	1715.5	2.6	18.5	2279.0	974.2		3.3	2276.5	898.2	2.3	2.7	2313.8	2434.5	16.7	28.0	7
8	2297.9	[illegible]	2.6	19.9	2278.8	969.8		3.0	2276.5	897.0	2.1	2.5	2313.4	2411.4	16.5	[illegible]	8
9	2297.2	1659.1	2.6	19.9	2278.7	964.7		3.0	2276.5	896.7	2.1	2.2	2312.9	2387.3	16.0	28.0	9
10	2296.4	1621.9	2.5	19.9	2278.5	959.6		3.0	2276.5	897.3	2.1	1.7	2312.4	[illegible]	14.9	28.0	10
11	[illegible]	[illegible]	2.5	19.5	2278.4	957.1		3.0	2276.5	[illegible]	2.1	1.7	[illegible]	[illegible]	15.1	[illegible]	11
12	[illegible]	1555.9	2.5	19.4	2278.4	954.9	1.5	3.5	[illegible]	899.1	2.3	1.6	2311.4	2312.0	13.5	24.0	12
13	2294.0	1522.8	2.5	19.4	2278.3	951.4	1.5	3.1	2276.6	901.5	2.9	1.6	2310.8	2283.0	13.5	24.0	13
14	2293.2	1490.2	2.5	19.4	2278.1	947.6	1.5	3.1	2276.7	903.3	2.5	1.5	2310.6	2272.7	12.2	17.2	14
15	2292.4	1457.5	2.5	19.4	2278.0	944.1	1.5	3.7	2276.7	904.2	2.0	1.5	2310.8	2282.5	12.0	6.9	15
16	2291.6	1425.1	2.5	19.4	2277.9	939.1	1.5	3.5	2276.8	905.1	2.0	1.5	2311.0	2292.7	12.0	6.7	16
17	2290.8	1392.0	2.5	19.4	2277.8	935.4	1.5	3.1	2276.8	906.0	2.1	1.5	2311.1	2300.1	10.6	6.7	17
18	[illegible]	1362.3	2.5	16.7	2277.6	932.0	1.5	3.0	2276.8	907.2	2.2	1.5	2311.3	2309.5	11.0	6.2	18
19	[illegible]	1329.2	2.5	16.8	2277.5	928.6	1.5	3.0	2276.9	908.4	2.3	1.6	2311.5	2318.9	10.5	5.6	19
20	[illegible]	1296.3	2.5	16.8	2277.4	924.9	1.5	3.0	2276.9	909.9	2.4	1.6	2311.7	2327.7	9.7	5.1	20
21	2287.3	1261.7	2.5	16.8	2277.3	922.2	1.5	3.0	2277.0	912.0	2.9	1.7	2311.9	2336.6	9.7	4.9	21
22	2286.4	1228.7	2.5	16.8	2277.3	920.0	1.5	3.0	2279.2	981.1	36.8	[illegible]	2312.0	2345.0	9.2	4.9	22
23	2285.5	[illegible]	2.5	16.8	2277.2	917.8	1.5	3.0	2279.7	997.7	10.3	1.9	2312.2	[illegible]	9.2	4.9	23
24	2284.7	[illegible]	2.5	17.2	2277.1	915.7	1.5	3.0	2295.5	[illegible]	[illegible]	2.5	2312.4	[illegible]	8.6	4.3	24
25	[illegible]	[illegible]	2.5	17.2	2277.0	913.5	1.5	3.0	[illegible]	[illegible]	[illegible]	3.7	2312.5	[illegible]	8.2	4.9	25
26	2282.8	1101.7	2.5	17.2	2277.0	911.4	1.5	3.0	2309.4	2213.9	131.2	3.0	2312.6	2372.4	8.1	4.9	26
27	2281.9	1070.2	2.5	17.2	2276.9	909.3	1.5	3.0	2311.7	2329.7	61.2	2.8	2312.7	2377.8	7.9	4.9	27
28	2281.0	1039.5	2.5	16.8	2276.8	907.2	1.5	3.0	2313.3	2405.8	41.7	3.0	2312.8	2383.3	7.8	4.9	28
29	2280.5	1023.5	2.5	9.2	2276.8	905.7	1.5	3.0	2314.7	2478.7	39.5	2.8	2312.9	2389.3	7.7	4.4	29
30	2280.3	1015.8	2.5	2.7	2276.7	904.2	1.5	3.0	2315.3	2509.5	18.5	2.8	2313.1	2395.3	7.6	3.8	30
31	2280.1	1011.5	2.5	2.7					2315.9	2538.0	24.9	10.4	2313.2	[illegible]	7.9	3.8	31
TOTAL			78.4	517.0			46.0	94.7			905.1	78.1			410.2	471.6	
Inf. Ac. Ft.	155.5				91.2				1795.2				813.6				
Outf. Ac. Ft.	1025.4 + (23.7)				187.8 + (10.7)				154.9 + (6.7)				935.4 + (12.3)				
Max. Mean Daily Inf.	2.6 cfs				1.6 cfs				297.2 cfs				24.9 cfs				
Min. Mean Daily Inf.	2.5 cfs				1.5 cfs				2.0 cfs				7.6 cfs				
Storage Change	-893.6 A.F.				-107.3 A.F.				1633.7 A.F.				-134.1 A.F.				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2313.3	2409.9	7.4	3.8	2316.1	2549.4	4.7	3.0	2317.2	2606.8	3.2	2.5	2316.9	2594.9	2.0	2.2	1
2	2313.5	2415.9	7.4	3.8	2316.1	2551.0	4.7	3.0	2317.2	2607.3	3.2	2.7	2316.9	2593.3	2.0	2.2	2
3	2313.6	2421.4	7.4	3.8	2316.2	2554.7	4.7	2.8	2317.2	2607.3	3.2	2.7	2316.9	2591.7	2.0	2.2	3
4	2313.7	2428.0	7.4	3.8	2316.3	2558.9	4.6	2.8	2317.2	2607.9	3.2	2.7	2316.8	2589.6	2.0	2.2	4
5	2313.9	2437.5	7.3	3.8	2316.3	2563.2	4.6	2.8	2317.2	2607.9	3.1	2.7	2316.8	2588.0	2.0	2.2	5
6	2314.0	2444.1	7.3	3.8	2316.4	2566.3	4.6	3.7	2317.2	2608.4	3.1	2.7	2316.8	[illegible]	2.0	2.2	6
7	2314.2	2452.7	7.3	3.8	2316.5	2570.0	4.6	2.5	2317.2	2608.4	3.1	2.7	2316.7	2584.9	2.0	2.2	7
8	2314.3	2459.9	7.3	3.7	2316.5	2572.7	4.6	2.5	2317.2	2607.9	3.1	2.7	2316.7	2583.8	2.0	2.2	8
9	2314.5	2466.5	7.3	3.5	2316.6	2575.3	4.6	2.5	2317.2	2607.3	3.1	2.7	2316.7	2582.2	2.0	2.2	9
10	2314.6	2472.1	7.3	3.5	2316.6	2576.9	4.6	2.7	2317.2	2606.8	3.1	2.7	2316.7	2580.6	1.9	2.2	10
11	2314.7	2477.7	6.1	3.3	2316.6	2579.0	4.1	2.7	2317.2	2606.8	2.8	2.5	2316.6	2578.5	1.8	2.2	11
12	2314.8	2483.8	6.1	3.3	2316.7	2581.7	4.1	2.7	2317.2	2606.8	2.8	2.5	2316.6	2576.4	1.8	2.2	12
13	2314.9	2489.4	6.1	3.3	2316.7	2584.3	4.1	2.7	2317.2	2606.8	2.8	2.5	2316.5	2572.7	1.8	2.2	13
14	2314.9	2488.9	6.1	4.9	2316.8		4.1	2.7	2317.2	2606.8	2.7	2.5	2316.5	2569.5	1.8	2.2	14
15	2314.9	2490.4	6.1	4.7	2316.8		4.1	2.7	2317.1	2605.7	2.7	2.5	2316.4	2565.8	1.8	2.2	15
16	2315.0	2494.0	6.1	3.8	2316.9	2591.2	4.1	2.7	2317.1	2604.1	2.7	2.5	2316.3	2563.7	1.8	2.2	16
17	2315.1	2499.2	6.1	3.8	2316.9	2592.3	4.1	2.7	2317.1	2603.0	2.7	2.5	2316.3	2561.6	1.8	2.2	17
18	2315.2	2502.3	6.1	3.7	2316.9	2593.3	4.0	2.7	2317.1	2604.6	3.6	2.5	2316.3	2559.5	1.8	2.2	18
19	2315.3	2507.4	6.0	3.5	2316.9	2594.9	4.0	2.8	2317.1	2605.2	3.3	2.5	2316.2	2558.4	1.8	2.2	19
20	2315.4	2512.6	6.0	3.7	2317.0	2596.5	4.0	2.8	2317.1	2605.7	3.3	2.5	2316.2	2556.8	1.8	2.3	20
21	2315.5	2517.3	5.7	3.7	2317.0	2598.1	3.6	2.8	2317.1	2605.2	2.5	2.3	2316.2	2555.2	1.7	2.3	21
22	2315.5	2521.9	5.7	3.5	2317.0	2599.2	3.6	2.8	2317.1	2604.1	2.5	2.3	2316.2	2553.6	1.7	2.3	22
23	2315.6	2526.1	5.7	3.7	2317.0	2600.2	3.6	2.8	2317.1	2603.0	2.5	2.3	2316.1	2552.6	1.7	2.3	23
24	2315.7	[illegible]	5.7	3.7	2317.1	2601.3	3.6	2.8	2317.1	2602.4	2.5	2.3	2316.1	2550.5	1.7	2.3	24
25	2315.8	2532.8	5.7	3.5	2317.1	2602.4	3.6	2.8	2317.1	2601.3	2.5	2.3	2316.0	2547.3	1.7	2.3	25
26	2315.8	2535.9	5.7	3.5	2317.1	2603.5	3.6	2.8	2317.0	2600.2	2.4	2.3	2316.0	2545.2	1.7	2.3	26
27	2315.9	[illegible]	5.7	3.3	2317.1	[illegible]	3.6	2.8	2317.0	2599.2	2.4	2.3	2315.9	2542.6	1.6	2.3	27
28	2315.9	2542.6	5.7	3.3	2317.1	[illegible]	3.6	2.7	2317.0	2598.1	2.4	2.3	2315.9	2540.0	1.6	2.3	28
29	2316.0	2546.2	5.6	3.1	2317.1	[illegible]	3.5	2.7	2317.0	2597.2	2.4	2.3	2315.8	2536.9	1.6	2.3	29
30					2317.1	[illegible]	3.5	2.7	2317.0	2596.0	2.4	2.2	2315.8	2533.8	1.6	2.3	30
31					2317.1	[illegible]	3.5	2.5					2315.7	2531.7	1.6	2.3	31
TOTAL			185.4	106.6			126.3	84.7			85.3	74.7			56.1	69.4	
Inf. Ac. Ft.	367.7				250.6				169.3				111.3				
Outf. Ac. Ft.	211.4 + (13.9)				167.9 + (22.6)				148.1 + (31.4)				137.7 + (37.9)				
Max. Mean Daily Inf.	7.4 cfs				4.7 cfs				3.2 cfs				2.0 cfs				
Min. Mean Daily Inf.	5.6 cfs				3.5 cfs				2.4 cfs				1.6 cfs				
Storage Change	142.4 A.F.				60.0 A.F.				-10.2 A.F.				-64.2 A.F.				

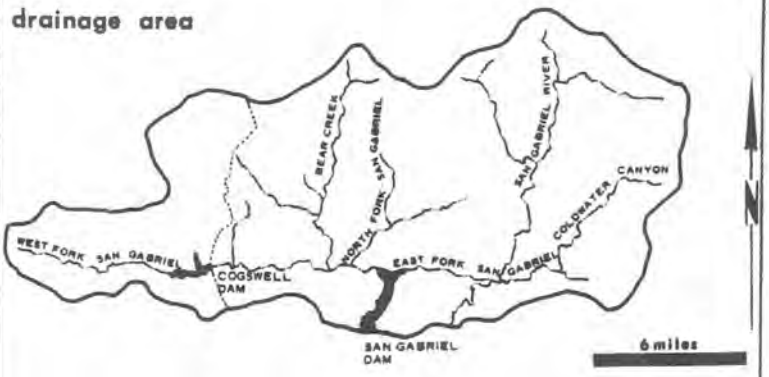
Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	2315.7	[illegible]	1.5	2.3	2313.7	2425.5	1.3	2.7	2310.8	[illegible]	1.1	[illegible]	[illegible]	1344.2	[illegible]	21.0	1
2	2315.6	[illegible]	1.5	2.3	2313.6	[illegible]	1.3	2.7	2310.8	[illegible]	1.1	2.8	[illegible]	[illegible]	.8	21.0	2
3	2315.6	[illegible]	1.5	2.3	2313.5	2417.0	1.3	2.7	2310.7	2276.5	1.1	2.8	[illegible]	[illegible]	[illegible]	21.0	3
4	2315.5	[illegible]	1.5	2.3	2313.4	[illegible]	1.3	2.7	[illegible]	2271.6	1.1	2.8	[illegible]	[illegible]	.8	21.0	4
5	2315.5	[illegible]	1.5	2.3	2313.3	[illegible]	1.2	2.8	2310.4	2266.2	1.1	2.8	[illegible]	[illegible]	[illegible]	[illegible]	5
6	2315.4	2516.1	1.5	2.3	2313.2	[illegible]	1.2	2.8	2310.3	2261.3	1.1	2.8	2283.9	1144.3	[illegible]	21.0	6
7	2315.4	2513.0	1.5	2.3	2313.1	2399.5	1.2	2.8	2310.2	2256.4	1.1	2.8	2283.5	1123.9	.5	[illegible]	7
8	2315.3	2509.4	1.5	2.3	2313.0	2395.0	1.2	2.8	2310.1	2251.5	1.1	2.8	2283.4	1121.5	.5	[illegible]	8
9	2315.2	2506.3	1.5	2.3	2313.0	2390.3	1.2	2.8	2309.8	2233.2	1.1	9.9	2283.3	1118.8	.5	[illegible]	9
10	2315.2	[illegible]	1.5	2.3	[illegible]	2385.8	1.2	2.8	2308.9	2193.5	1.1	21.0	2283.2	1115.7	.5	[illegible]	10
11	2315.1	2500.6	1.4	2.3	2312.8	2381.3	1.2	2.8	[illegible]	2154.1	1.0	21.0	2283.1	1112.6	.5	1.4	11
12	2315.1	2496.5	1.3	2.3	2312.7	2376.3	1.2	2.8	2307.3	2116.9	1.0	21.0	2283.0	[illegible]	.5	1.6	12
13	2315.0	[illegible]	1.3	2.3	2312.6	[illegible]	1.2	2.8	[illegible]	2077.5	1.0	21.0	2282.9	1104.1	.5	1.5	13
14	2314.9	[illegible]	1.3	2.3	2312.5	2367.3	1.2	2.8	[illegible]	2041.3	1.0	[illegible]	[illegible]	[illegible]	.5	1.5	14
15	[illegible]	[illegible]	1.3	2.5	2312.4	[illegible]	1.2	2.8	[illegible]	2002.4	[illegible]	[illegible]	[illegible]	[illegible]	.5	1.5	15
16	2314.8	[illegible]	1.3	2.5	2312.3	[illegible]	1.2	2.8	[illegible]	1964.8	1.0	21.0	2282.7	1097.2	.5	1.5	16
17	2314.7	2479.0	1.3	2.5	[illegible]	[illegible]	1.2	2.8	[illegible]	[illegible]	1.0	[illegible]	[illegible]	[illegible]	[illegible]	1.5	17
18	2314.6	2474.9	1.3	2.5	2312.1	2349.3	1.2	2.8	2302.5	1892.3	1.0	17.7	2282.5	1090.4	.4	1.5	18
19	2314.6	2471.3	1.3	2.5	2312.0	2344.8	1.2	2.8	2301.7	1853.2	1.0	19.4	2282.4	[illegible]	.4	1.5	19
20	2314.5	2467.7	1.3	2.5	2312.0	2340.5	1.2	2.8	2300.8	1814.4	1.0	19.4	2282.3	1084.3	.4	1.5	20
21	2314.4	2464.1	1.3	2.5	2311.9	2336.1	1.2	2.8	2299.9	1774.7	1.0	19.4	2282.2	1081.9	.6	1.5	21
22	2314.4	2460.5	1.3	2.7	[illegible]	2331.7	1.2	[illegible]	[illegible]	1735.4	1.0	19.4	2282.2	1079.5	.6	1.5	22
23	2314.3	[illegible]	1.3	2.7	2311.7	2327.3	1.2	[illegible]	[illegible]	[illegible]	1.0	19.4	2282.1	1077.5	.6	1.5	23
24	2314.2	2453.3	1.3	2.7	2311.6	2322.9	1.2	[illegible]	2297.2	[illegible]	1.0	[illegible]	2282.0	1075.1	[illegible]	1.5	24
25	2314.1	[illegible]	1.2	2.7	[illegible]	2318.5	1.2	[illegible]	[illegible]	[illegible]	1.0	19.4	[illegible]	1072.8	[illegible]	1.5	25
26	2314.1	2445.1	1.3	2.7	2311.4	2314.1	1.2	[illegible]	2295.4	1581.3	1.0	[illegible]	[illegible]	[illegible]	.5	1.5	26
27	2314.0	2441.5	1.3	2.7	2311.3	2309.2	1.2	2.8	2294.5	1544.2	1.0	19.4	[illegible]	1068.4	.6	1.5	27
28	2313.9	2437.5	1.3	2.7	2311.2	2304.8	1.2	2.8	2293.6	1505.6	1.0	19.4	[illegible]	1065.0	.6	1.4	28
29	2313.8	2433.5	1.3	2.7	2311.1	2299.9	1.2	2.8	2292.5	1462.2	1.0	19.4	2281.7	1063.0	.6	1.4	29
30	2313.7	2429.5	1.3	2.7	2311.0	2296.0	1.2	2.8	2291.6	1425.1	1.0	19.6	2281.6	1060.6	.7	1.4	30
31					2310.9	2259.7	1.2	2.8	2290.6	1385.0	1.0	21.0					31
TOTAL			41.1	74.0			37.6	86.4			[illegible]	[illegible]			17.5	170.0	
Inf. Ac. Ft.	81.5				74.6				63.5				34.7				
Outf. Ac. Ft.	146.8 + (36.9)				171.4 + (43.0)				933.2 + (34.9)				337.2 + (21.8)				
Max. Mean Daily Inf.	1.5				1.3				1.1				.8				
Min. Mean Daily Inf.	1.3				1.2				1.0				.4				
Storage Change	-102.2				-139.8				-904.7				-324.4				

Max. W.S. Elev. 2317.2 feet on 4/5-7/72 Storage 2608.4 Acre-Feet
Min. W.S. Elev. 2276.5 feet on 12/9/71 Storage 896.7 Acre-Feet
Max. Peak Inf. 798.0 CFS from 12:00 Noon on 12/24/71 to 2:05 P.M. on 12/24/71
Max. Peak Outf. 29.0 CFS from 1:30 P.M. on 12/31/71 to 12:00 Midnite on 1/5/72

REMARKS: [Indicates average for period.
( ) Indicates evaporation losses.

SAN GABRIEL DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started December 1932 - Completed July 1939

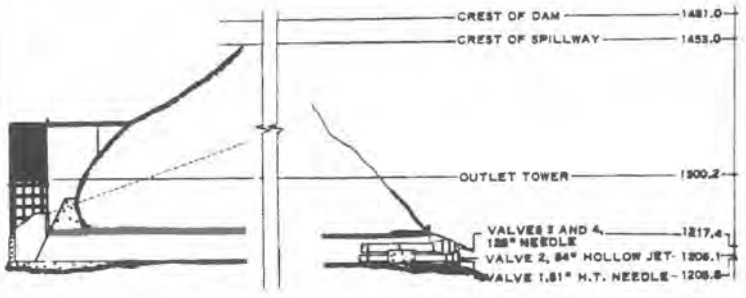
LOCATION -
San Gabriel Canyon, 7.5 miles north of Azusa

DRAINAGE AREA - 163.5 square miles (uncontrolled)
39.2 square miles (controlled)
Total 202.7 square miles
(includes Cogswell drainage)

CAPACITY - 41,549 acre-feet

SPILLWAY ELEVATION - 1,453 feet

cross-section



SAN GABRIEL DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1937-38	339155	30720	37	332893	3	2	89320
1938-39	67231	1330	23	61655	12	19	2780
1939-40	58554	757	18	63386	1	8	2270
1940-41	306801	3940	20	305515	2	20	5780
1941-42	50285	297	20	49759	12	29	468
1942-43	271286	17180	20	267085	1	23	46000
1943-44	184923	5710	43	184622	2	22	9860
1944-45	91961	1300	28	90131	11	11	6440
1945-46	99531	2980	28	89502	12	21	5760
1946-47	107688	3340	18	104088	12	26	6520
1947-48	29259	257	9.9	37794	4	29	506
1948-49	24728	94	11	21546	1	20	120
1949-50	27797	266	9.5	27736	12	19	448
1950-51	10169	54	3.0	13002	1	11	174
1951-52	159048	3340	3.9	118918	1	16	6130
1952-53	41270	375	7.5	77961	12	1	544
1953-54	60515	1280	8.3	56517	1	25	2940
1954-55	39159	171	18	37304	4	30	313
1955-56	35215	950	14	38127	1	26	2250
1956-57	37210	1090	15	35069	1	13	2850
1957-58	230745	4270	21	229610	4	3	6900
1958-59	43762	1030	14	43100	1	6	3080
1959-60	19474	112	5.0	19258	4	28	168
1960-61	12041	122	2.2	12698	11	5	634
1961-62	116890	6350	3.4	112380	2	11	13960
1962-63	25930	512	6.2	24587	2	9	2440
1963-64	24009	287	5.2	22601	4	1	504
1964-65	36281	396	5.5	34427	4	9	1070
1965-66	220689	9030	12	217503	12	29	27180
1966-67	224903	6700	30	224538	12	6	12420
1967-68	66761	697	26	68771	11	19	1620
1968-69	527883	28020	24	524874	1	25	44400
1969-70	66842	1250	26	66688	2	28	2550
1970-71	60375	2120	29	55358	11	29	6400
1971-72	34908	975	14	38192	12	25	1390

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 202.7 SQ. MI.
CAPACITY OF RESERVOIR 37,822 AC. FT.
@ SPILLWAY ELEVATION 1,433.0 FT.
as of OCTOBER 1969

Day	OCTOBER Gage Height	OCTOBER Acre-Ft. Storage	OCTOBER CFS Inflow	OCTOBER CFS Outflow	NOVEMBER Gage Height	NOVEMBER Acre-Ft. Storage	NOVEMBER CFS Inflow	NOVEMBER CFS Outflow	DECEMBER Gage Height	DECEMBER Acre-Ft. Storage	DECEMBER CFS Inflow	DECEMBER CFS Outflow	JANUARY Gage Height	JANUARY Acre-Ft. Storage	JANUARY CFS Inflow	JANUARY CFS Outflow	Day
1	1259.0	0	82.8	82.8	1286.9	166.0	52.1	0	1321.9	1830.5	62.7	63.0	1323.9	1985.6	50.6	47.8	1
2	1259.0	0	81.7	81.7	1293.0	279.4	57.4	0	1321.9	1833.5	56.1	54.2	1324.0	1993.3	[illegible]	47.8	2
3	1259.0	0	81.7	81.7	1298.0	365.7	43.9	0	1322.0	1840.2	57.9	54.0	1324.0	1998.0	50.7	47.8	3
4	1259.0	0	81.7	81.7	[illegible]	508.0	57.2	0	1322.1	1847.0	59.0	54.0	1324.1	2003.7	[illegible]	[illegible]	4
5	1259.0	0	80.7	80.7	[illegible]	636.2	59.1		1322.2	1856.5	59.4	53.4	1324.1	2007.0	49.9	47.8	5
6	1259.0	0	79.7	79.7	1306.7	821.0	52.4	.2	1322.3	1865.3	56.9	53.1	1324.2	2012.2	49.9	47.8	6
7	1259.0	0	79.2	79.2	1311.8	1122.9	152.8	2.3	1322.4	1875.3	58.5	52.8	1324.2	2013.3	50.4	47.8	7
8	1259.0	0	78.2	78.2	1315.7	1387.6	129.2	.3	1322.4	1873.0	59.0	59.8	1324.2	2013.5	49.7	46.9	8
9	1259.0	0	78.2	78.2	1320.1	1711.3	158.7	.4	1322.2	1855.4	58.5	67.3	1324.3	2017.5	53.0	51.0	9
10	1259.0	0	80.7	80.7	1321.8	[illegible]	103.5	35.4	1321.9	1836.5	58.5	67.7	[illegible]	2083.3	84.7	51.0	10
11	1259.0	0	79.2	79.2	1322.4	1873.2	137.7	115.1	1321.7	1820.8	60.5	68.0	1325.4	2114.6	66.4	51.0	11
12	1259.0	0	80.2	80.2	1322.7	1895.8	135.4	123.8	1321.6	1814.1	57.4	60.5	1325.7	2135.8	63.8	51.0	12
13	1259.0	0	80.2	80.2	1322.6	1887.5	141.2	144.9	1321.7	1816.4	57.5	56.0	1326.0	2164.3	63.5	51.0	13
14	1259.0	0	78.8	78.8	1322.2	1857.0	137.4	152.4	1321.7	1816.4	56.6	56.0	1326.4	2193.2	65.6	51.0	14
15	[illegible]	0	[illegible]	[illegible]	1321.9	[illegible]	132.5	152.4	[illegible]	[illegible]	55.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
16	1259.0	0	80.7	80.7	1321.5	1805.9	140.0	152.4	1321.8	1825.3	55.8	49.9	1327.3	2277.2	75.4	51.0	16
17	1259.0	0	80.7	80.7	1321.2	1785.0	130.6	140.7	1322.0	1839.5	54.4	46.9	1327.9	2325.4	76.1	51.0	17
18	1259.0	0	79.2	79.2	1321.4	1794.0	130.8	125.9	1322.2	1854.7	54.9	47.1	1328.3	2367.5	71.8	51.0	18
19	[illegible]	0	78.2	78.2	1321.6	1811.1	131.2	121.9	1322.3	1866.9	54.1	47.2	1328.7	2400.6	67.3	51.0	19
20	[illegible]	0	75.8	75.8	1321.8	1827.5	133.6	121.2	1322.5	1878.3	53.6	47.8	1329.0	2432.9	67.8	51.0	20
21	1259.0	0	76.8	76.8	1322.0	1842.5	129.9	121.9	1322.7	1892.0	54.9	47.5	1329.2	2450.9	60.2	51.0	21
22	1259.0	0	76.8	76.8	1322.2	1853.1	127.9	121.9	1322.8	1905.0	54.2	47.7	1329.4	2466.0	58.9	51.0	22
23	1259.0	0	75.8	75.8	1322.3	1863.1	128.3	122.7	1323.0	1917.2	53.9	47.6	1329.5	2479.3	57.9	51.0	23
24	1259.0	0	76.8	76.8	1322.4	1869.9	126.8	122.7	1323.1	1928.9	53.6	47.5	1329.6	2487.8	55.4	51.0	24
25	1259.0	0	75.8	75.8	1322.7	1892.8	103.7	91.5	1323.3	1940.7	53.9	47.7	1329.7	2496.3	55.6	51.0	25
26	1259.0	0	76.1	76.1	1322.7	1898.1	63.7	60.4	1323.4	1951.7	53.6	47.8	1329.8	2504.8	55.6	51.0	26
27	1259.0	0	76.1	76.1	1322.6	1888.2	60.7	64.8	1323.6	1961.9	53.9	47.8	1329.9	2510.5	54.1	51.0	27
28	1259.0	0	75.3	75.3	1322.3	1867.6	57.9	67.4	1323.7	1968.9	52.4	47.8	1329.9	2517.1	55.1	51.0	28
29	1259.0	0	73.2	73.2	1322.1	1848.6	58.7	67.7	1323.7	1972.9	50.7	47.7	1330.0	2519.9	53.3	51.0	29
30	1259.0	0	73.2	73.2	1321.9	1832.0	60.4	68.2	1323.8	[illegible]	51.4	47.7	1330.0	2522.8	50.5	51.0	30
31	1276.3	93.0	72.4	40.6					1323.8	[illegible]	50.7	47.7	1330.0	2523.7	51.9	51.0	31
TOTAL			2426.6	2394.8			3207.3	2302.3			1729.5	1640.[illegible]			1838.9	1557.5	
Inf. Ac. Ft.	4813.1				6361.6				3430.5				3647.4				
Outf. Ac. Ft.	4750.0 + (.0)				4566.6 - (26.1)				3253.2 + (25.4)				3089.2 + (18.3)				
Max. Mean Daily Inf.	82.8 cfs				159.8 cfs				62.7 cfs				84.7 cfs				
Min. Mean Daily Inf.	72.4 cfs				43.9 cfs				50.7 cfs				50.7 cfs				
Storage Change	63.0 A.F.				1769.0 A.F.				151.8 A.F.				539.8 A.F.				

Day	FEBRUARY Gage Height	FEBRUARY Acre-Ft. Storage	FEBRUARY CFS Inflow	FEBRUARY CFS Outflow	MARCH Gage Height	MARCH Acre-Ft. Storage	MARCH CFS Inflow	MARCH CFS Outflow	APRIL Gage Height	APRIL Acre-Ft. Storage	APRIL CFS Inflow	APRIL CFS Outflow	MAY Gage Height	MAY Acre-Ft. Storage	MAY CFS Inflow	MAY CFS Outflow	Day
1	1330.0	2522.8	50.9	51.0	1345.4	4343.1	1251.4	1290.1	1310.6	1253.0	106.8	218.1	1259.0	0	80.1	80.1	1
2	1330.0	2519.9	50.4	51.0	1351.5	5235.7	1216.7	766.7	1308.8	[illegible]	115.5	170.7	1259.0	0	[illegible]	[illegible]	2
3	1330.0	2518.0	50.5	51.0	1352.9	5302.3	743.6	664.2	1308.2	[illegible]	117.3	134.9	1259.0	0	79.0	79.0	3
4	1329.9	2516.1	50.4	51.0	1354.2	5586.8	699.3	600.0	1307.9	891.8	115.1	122.5	1259.0	0	80.3	80.3	4
5	1329.9	2514.2	50.5	51.0	1354.3	5595.7	485.0	479.7	1307.5	867.1	109.7	121.5	1259.0	0	81.7	81.7	5
6	1329.9	2511.8	50.3	51.0	1354.3	5607.7	433.9	427.1	1306.4	801.6	108.3	140.8	1259.0	0	84.0	84.0	6
7	1329.8	2507.6	49.9	51.0	1353.4	5462.7	427.7	500.0	1304.8	719.4	108.7	149.9	1259.0	0	85.4	85.4	7
8	1329.8	2503.8	49.9	51.0	1352.2	5289.1	412.9	500.0	1303.7	667.0	110.9	137.0	1259.0	0	83.0	83.0	8
9	[illegible]	2517.1	58.3	51.0	1354.8	[illegible]	403.1	500.0	1303.6	661.8	108.9	111.1	1259.0	0	82.0	82.0	9
10	1334.4	2871.2	245.2	16.3	1345.1	[illegible]	374.1	[illegible]	[illegible]	681.[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]	[illegible]	10
11	1337.2	3291.9	373.4	211.5	1347.0	4553.5	345.7	493.3	1304.4	699.5	111.2	101.3	1259.0	0	82.0	82.0	11
12	1337.1	3281.2	302.1	307.5	1343.7	4112.5	261.7	483.3	1304.6	707.5	106.1	101.7	1259.0	0	81.1	81.1	12
13	1335.8	3133.7	158.1	232.3	1340.3	3671.0	258.2	480.0	1304.7	714.9	108.3	104.2	1259.0	0	80.2	80.2	13
14	1335.4	3090.5	190.8	212.0	1336.8	3243.7	[illegible]	470.1	1304.5	704.5	106.9	111.7	1259.0	0	77.9	77.9	14
15	1334.2	2955.8	144.9	212.0	1333.1	2838.6	256.8	460.1	1299.6	492.9	102.8	209.2	1259.0	0	75.9	75.9	15
16	1332.3	2750.2	69.0	372.2	1330.7	[illegible]	247.0	370.1	1291.7	249.7	107.8	230.3	1259.0	0	73.3	73.3	16
17	1334.0	2932.6	182.6	89.9	1330.5	2568.4	198.4	260.1	1259.0	0	104.4	230.3	1259.0	0	71.4	71.4	17
18	1335.0	3039.5	116.3	61.2	1330.2	2543.1	243.1	255.1	1259.0	0	100.0	100.0	1259.0	0	70.2	70.2	18
19	1335.4	3091.7	77.8	49.9	1329.7	2491.6	224.9	250.1	1259.0	0	97.3	97.3	1259.0	0	68.8	68.8	19
20	1335.8	3138.0	64.1	49.9	[illegible]	2420.9	215.2	254.1	1259.0	0	96.2	96.2	1259.0	0	[illegible]	[illegible]	20
21	1336.1	3164.5	64.9	49.9	1327.9	2324.6	202.3	250.1	1259.0	0	100.5	100.5	1259.0	0	[illegible]	[illegible]	21
22	1336.3	3191.3	64.1	49.9	1326.7	2219.9	198.1	250.1	1259.0	0	97.9	97.9	1259.0	0	66.9	66.9	22
23	1336.6	3220.4	65.2	49.8	1325.4	2107.9	194.4	250.1	1259.0	0	91.0	91.0	1259.0	0	66.3	66.3	23
24	1336.8	3244.9	62.9	49.8	1324.0	1998.0	195.1	250.1	1259.0	0	91.0	91.0	1259.0	0	66.3	66.3	24
25	1336.8	3254.2	55.5	49.8	1322.6	1889.0	192.6	247.1	1259.0	0	88.7	88.7	1259.0	0	67.5	67.5	25
26	1336.9	3263.5	55.4	49.8	1321.4	1794.0	195.4	243.1	1259.0	0	87.4	87.4	1259.0	0	68.1	68.1	26
27	1337.0	3270.5	53.6	49.8	1320.0	1694.0	190.4	240.1	1259.0	0	94.2	94.2	1259.0	0	68.7	68.7	27
28	1346.0	4419.9	629.3	49.8	1318.4	1578.7	180.3	238.1	1259.0	0	89.6	89.6	1259.0	0	71.0	71.0	28
29					1316.8	1464.9	178.0	235.1	[illegible]		85.8	[illegible]	1259.0	0	68.7	68.7	29
30					1315.7	1392.4	193.9	230.1	1259.0		83.6	83.6	1259.0	0	66.3	66.3	30
31					1314.0	1275.1	171.3	230.1					1259.0	0	63.8	63.8	31
TOTAL			3445.2	2472.1			11096.8	12664.2			3062.1	3677.9			2309.5	2309.5	
Inf. Ac. Ft.	6833.5				22010.2				6073.6				4580.8				
Outf. Ac. Ft.	4903.3 + (33.9)				25119.0 - (36.0)				7334.6 - (14.1)				4580.8 + (.0)				
Max. Mean Daily Inf.	629.3 cfs				1251.4 cfs				117.8				85.4 cfs				
Min. Mean Daily Inf.	49.9 cfs				171.3 cfs				83.6 cfs				63.8 cfs				
Storage Change	1896.2 A.F.				-3144.8 A.F.				-1275.0 A.F.				0 A.F.				

Day	JUNE Gage Height	JUNE Acre-Ft. Storage	JUNE CFS Inflow	JUNE CFS Outflow	JULY Gage Height	JULY Acre-Ft. Storage	JULY CFS Inflow	JULY CFS Outflow	AUGUST Gage Height	AUGUST Acre-Ft. Storage	AUGUST CFS Inflow	AUGUST CFS Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre-Ft. Storage	SEPTEMBER CFS Inflow	SEPTEMBER CFS Outflow	Day
1	1259.0	0	59.7	59.7	1259.0	0	39.8	39.8	1259.0	0	34.8	34.8	1259.0	-	26.5	26.5	1
2	1259.0	0	58.7	58.7	1259.0	0	[illegible]	[illegible]	1259.0		34.5	34.5	1259.0	-	[illegible]	[illegible]	2
3	1259.0	0	57.[illegible]	57.[illegible]	1259.0	0	40.8	40.8	1259.0	0	[redacted]	[redacted]	1259.0	-	27.8	27.8	3
4	1259.0	0	57.0	57.0	1259.0	0	40.4	40.4	1259.0	0	[redacted]	[redacted]	1259.0	-	27.7	27.7	4
5	1259.0	0	55.2	55.2	1259.0	0	40.7	40.7	1259.0	0	[redacted]	[redacted]	1259.0	-	27.5	27.5	5
6	1259.0	0	54.2	54.2	1259.0	0	40.5	40.5	1259.0	0	32.4	32.4	1259.0	-	27.1	27.1	6
7	1259.0	0	54.2	54.2	1259.0	0	39.7	39.7	1259.0	0	32.3	32.3	1259.0	-	27.0	27.0	7
8	1259.0	0	53.7	53.7	1259.0	0	40.7	40.7	1259.0	0	31.7	31.7	1259.0	-	26.8	26.8	8
9	1259.0	0	56.0	56.0	1259.0	0	39.9	39.9	1259.0	0	31.6	31.6	1259.0	-	27.0	27.0	9
10	1259.0	0	59.4	59.4	1259.0	0	39.1	39.1	1259.0	0	31.3	31.3	1259.0	-	[illegible]	[redacted]	10
11	1259.0	0	57.2	57.2	1259.0		38.5	38.5	1259.0	0	31.2	31.2	1259.0	-	26.2	[illegible]	11
12	1259.0	0	57.2	57.2	1259.0	0	37.8	37.8	1259.0	0	30.8	30.8	1259.0	-	[illegible]	[illegible]	12
13	1259.0	0	59.4	59.4	1259.0	0	37.6	37.6	1259.0	0	32.8	32.8	1259.0	-	30.9	30.9	13
14	1259.0	0	58.3	58.3	1259.0	0	37.7	37.7	1259.0	0	33.5	33.5	1259.0	-	31.2	31.2	14
15	1259.0	0	56.6	56.6	1259.0	0	37.5	37.5	1259.0	0	32.6	32.6	1259.0	-	30.9	30.9	15
16	1259.0	0	55.6	55.5	1259.0	0	36.8	36.8	1259.0	0	33.3	33.3	1259.0	-	[illegible]	[illegible]	16
17	1259.0	0	54.9	54.9	1259.0	0	36.3	36.3	1259.0	0	41.9	41.9	1259.0	-	30.5	[redacted]	17
18	1259.0	0	52.7	52.7	1259.0	0	35.7	35.7	1259.0	0	36.2	36.2	1259.0	-	30.5	30.5	18
19	1259.0	0	51.5	51.5	1259.0	0	35.2	35.2	1259.0	0	33.5	33.5	1259.0	-	30.5	30.5	19
20	1259.0	0	49.5	49.5	1259.0	0	34.8	34.8	1259.0	0	33.0	[illegible]	1259.0	-	30.9	30.9	20
21	1259.0	0	48.6	48.6	1259.0	0	34.6	34.6	1259.0	0	32.6	32.6	1259.0	-	30.5	30.5	21
22	1259.0	0	45.9	45.9	1259.0	0	34.4	34.4	1259.0	0	32.1	32.1	1259.0	-	29.6	[illegible]	22
23	1259.0	0	44.8	44.8	1259.0		34.1	34.1	1259.0	0	31.7	31.7	1259.0	-	30.2	30.2	23
24	1259.0	0	44.0	44.0	1259.0	0	34.3	34.3	1259.0	0	31.0	31.0	1259.0	-	30.8	30.8	24
25	1259.0	0	44.0	44.0	1259.0	0	34.5	34.5	1259.0	0	[illegible]	[illegible]	1259.0	-	[illegible]	34.7	25
26	1259.0	0	42.5	42.5	1259.0	0	34.1	34.1	1259.0	0	[illegible]	[illegible]	1259.0	-	30.0	30.0	26
27	1259.0	0	42.1	42.1	1259.0		34.5	34.5	1259.0	0	30.4	30.4	1259.0	-	29.8	29.8	27
28	1259.0	0	42.1	42.1	1259.0	0	34.6	34.6	1259.0	0	[illegible]	[illegible]	1259.0	-	28.5	28.5	28
29	1259.4	0	41.3	41.3	1259.0	0	[illegible]	[illegible]	1259.0	0	29.8	29.8	1259.0	-	28.8	28.8	29
30	1259.0	0	40.8	40.8	1259.0	0	34.8	34.8	1259.0	0	29.5	29.5	1259.0	-	29.1	29.1	30
31					1259.0	0	34.5	34.5	1259.0	0	29.3	29.3					31
TOTAL			1554.7	1554.7			1149.0	1149.0			1005.0	1005.[illegible]			874.8	874.8	
Inf. Ac. Ft.	3083.7				2279.0				1993.3				1735.1				
Outf. Ac. Ft.	3083.7 + (.0)				2279.0 + (.0)				1993.3 + (.0)				1735.1 + (.0)				
Max. Mean Daily Inf.	59.7 cfs				40.8 cfs				41.9 cfs				31.3 cfs				
Min. Mean Daily Inf.	40.8 cfs				34.1 cfs				2[illegible].3 cfs				26.2 cfs				
Storage Change	0 A.F.				0 A.F.				0 A.F.				0 A.F.				

Max. W.S. Elev. 1354.8 feet on 3/6/70 Storage 5676.3 Acre-Feet

Min. W.S. Elev. 1259.0 feet on various days Storage Acre-Feet

Max. peak Inf. 2545 CFS from 4:00 p.m. on 2/28/70 to 5:00 p.m. on 2/28/70

Max. peak Outf. 1420 CFS from 8:00 a.m. on 3/1/70 to [illegible] on 3/[illegible]/70

REMARKS: ( ) indicates evaporation losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT OF DAY SHOWN.

DRAINAGE AREA 203.7 SQ. MI.
CAPACITY OF RESERVOIR 51,248.1 AC. FT.
at SPILLWAY ELEVATION 1,481.0 FT.
as of October, 19 70

Day	October Gage Height	October Acre-Ft. Storage	October CFS Inflow	October CFS Outflow	November Gage Height	November Acre-Ft. Storage	November CFS Inflow	November CFS Outflow	December Gage Height	December Acre-Ft. Storage	December CFS Inflow	December CFS Outflow	January Gage Height	January Acre-Ft. Storage	January CFS Inflow	January CFS Outflow	Day
1	1254.0	0	29.4	29.4	1254.0	0	31.6	31.6	1355.1	7056.3	250.2	30.0	1344.0	5222.2	206.7	449.3	1
2	1254.0	0	29.4	29.4	1270.0	39.3	50.6	31.5	1356.3	7277.8	165.3	53.3	1341.3	4809.8	231.2	433.3	2
3	1254.0	0	29.4	29.4	1280.9	157.1	94.9	31.5	1357.1	7418.7	133.6	91.8	1338.2	4351.8	211.5	441.6	3
4	1254.0	0	30.5	30.5	1290.6	270.3	91.6	31.5	1357.4	7465.2	170.7	146.6	1336.1	4049.8	200.5	352.3	4
5	1254.0	0	31.4	31.4	[illegible]	431.7	[illegible]	[illegible]	1358.0	[illegible]	[illegible]	101.0	[illegible]	4035.5	[illegible]	[illegible]	5
6	1254.0	0	31.4	31.4	1301.5	663.9	162.8	12.8	1358.6	7700.4	160.6	101.0	1336.0	4042.5	176.3	182.3	6
7	1254.0	0	31.2	31.2	1305.3	889.2	155.8	31.5	1359.0	7782.5	142.8	100.7	1335.9	4024.0	172.3	181.0	7
8	1254.0	0	31.7	31.7	1308.3	1046.2	150.6	29.5	1359.5	7887.7	142.5	99.7	1335.7	3998.4	169.9	182.3	8
9	1254.0	0	31.8	31.8	1310.8	1247.2	136.6	29.5	1360.0	7970.5	150.9	99.0	1335.5	3965.5	166.5	182.7	9
10	1254.0	0	32.1	32.1	1312.7	1396.0	117.3	29.6	1360.4	8045.4	130.4	100.4	1335.2	3921.3	159.3	181.3	10
11	1254.0	0	31.7	31.7	1313.6	1488.4	84.8	29.7	1360.7	8104.5	131.3	100.4	1335.5	3958.4	160.7	136.4	11
12	1254.0	0	31.1	31.1	1314.6	1577.2	78.5	29.7	1361.0	8153.6	131.7	100.7	1337.5	4231.4	202.3	69.0	12
13	1254.0	0	30.8	30.8	1314.6	1576.3	33.5	32.9	1361.3	8223.2	130.5	100.0	1338.7	4433.5	172.3	70.5	13
14	1254.0	0	32.3	32.3	1314.7	1565.4	30.8	35.3	1361.5	8257.1	[illegible]	99.6	1339.7	4500.8	158.3	[illegible]	14
15	1254.0	0	32.7	32.7	1314.5	1558.5	30.9	35.3	1361.6	[illegible]	[illegible]	99.6	1339.2	4526.1	148.8	150.9	15
16	1254.0	0	33.0	33.0	1314.5	1549.1	30.8	32.6	1361.0	8171.5	98.8	153.1	1339.5	4614.0	154.5	150.9	16
17	1254.0	0	31.4	31.4	1314.5	1549.1	31.9	31.0	1360.4	8049.3	137.3	198.3	1339.8	4680.3	169.6	150.9	17
18	1254.0	0	30.8	30.8	1314.5	1549.1	31.7	31.0	1360.1	7994.1	144.2	172.0	1340.2	4848.0	201.4	150.9	18
19	1254.0	0	31.5	31.5	1314.5	1549.1	31.3	30.7	1361.3	8221.3	233.9	119.0	1341.2	4886.8	211.7	150.8	19
20	1254.0	0	31.8	31.8	1314.5	1549.1	31.2	30.7	1361.8	8326.8	[illegible]	118.6	1342.4	4975.3	[illegible]	150.8	20
21	1254.0	0	31.7	31.7	1314.5	1550.9	31.9	30.7	1366.6	9297.7	608.1	118.6	1343.3	5125.5	227.7	151.8	21
22	1254.0	0	32.1	32.1	1314.5	1552.7	32.3	30.7	1368.2	9649.6	297.6	119.3	1344.2	5250.9	216.9	152.1	22
23	1254.0	0	32.2	32.2	1314.5	1553.6	32.0	30.7	1367.6	9591.3	220.0	284.2	1344.8	5345.4	201.0	152.8	23
24	1254.0	0	32.2	32.2	1314.4	1546.3	30.0	33.2	1365.9	9153.8	216.9	401.6	1345.3	5421.8	192.7	153.5	24
25	1254.0	0	32.6	32.6	1314.4	1543.6	29.9	30.8	1364.1	8796.6	221.9	401.0	1345.7	5488.6	182.2	153.5	25
26	1254.0	0	32.6	32.6	1314.6	1561.7	40.6	31.0	1361.7	8304.9	209.3	457.6	1346.0	5528.5	176.8	153.5	26
27	1254.0	0	32.3	32.3	1314.7	1567.2	33.9	31.0	1358.9	7751.3	[illegible]	496.3	1346.2	5560.1	170.8	153.5	27
28	1254.0	0	31.9	31.9	1315.5	1628.1	62.0	31.3	1355.9	7201.5	209.8	491.7	1346.3	5585.5	168.1	154.0	28
29	1254.0	0	31.9	31.9	1347.5	4770.3	2121.9	33.5	1352.9	6667.6	[illegible]	471.8	1346.2	5560.1	180.1	171.6	29
30	1254.0	0	31.8	31.8	1352.2	6563.0	430.6	35.6	1350.0	6182.0	210.9	455.0	1345.5	5453.2	173.6	226.3	30
31	1254.0	0	31.7	31.7					1347.1	5711.0	216.3	453.0	1344.8	5348.5	174.3	226.3	31
TOTAL			981.4	981.4			5379.8	817.6			5905.4	6309.9			5771.0	5938.3	
Inf. Ac. Ft.	1946.6				4687.2				11709.2				11446.6				
Outf. Ac. Ft.	1946.6 + (.0)				1621.7 + (27.8)*				12515.5 + (35.7)				11766.5 + (42.5)				
Max. Mean Daily Inf.	33.2 cfs				2121.9 cfs				608.1 cfs				235.1 cfs				
Min. Mean Daily Inf.	29.4 cfs				29.9 cfs				98.8 cfs				154.3 cfs				
Storage Change	0 A.F.				6552.9 A.F.				-842.0 A.F.				-362.4 A.F.				

Day	February Gage Height	February Acre-Ft. Storage	February CFS Inflow	February CFS Outflow	March Gage Height	March Acre-Ft. Storage	March CFS Inflow	March CFS Outflow	April Gage Height	April Acre-Ft. Storage	April CFS Inflow	April CFS Outflow	May Gage Height	May Acre-Ft. Storage	May CFS Inflow	May CFS Outflow	Day
1	1344.0	5227.6	155.4	216.1	1348.0	5850.6	79.2	75.4	1347.8	5828.1	70.1	73.4	1345.3	5421.8	56.5	69.1	1
2	1343.2	5098.5	150.7	217.5	1348.0	5855.4	79.2	75.4	1347.7	5813.7	67.6	73.4	1345.1	5398.3	58.2	68.2	2
3	1342.0	4915.9	126.9	215.1	1348.0	5855.4	76.6	75.6	1347.6	5794.4	66.4	73.7	1345.0	5379.5	[illegible]	68.8	3
4	1340.7	4723.5	115.5	211.6	1348.0	5855.4	76.3	75.6	1347.5	5775.2	66.7	73.9	1345.1	5388.9	59.7	54.5	4
5	1340.3	4666.7	114.1	141.2	1348.0	5855.4	76.8	75.8	1347.4	5752.7	64.6	73.9	1345.5	5431.2	61.9	40.2	5
6	1340.8	4739.8	108.7	72.3	1348.0	5849.0	73.9	75.6	1347.3	5736.6	65.0	71.6	1345.7	5492.4	71.7	40.2	6
7	1341.2	4802.3	104.7	72.3	1347.9	5842.6	73.8	75.6	1347.2	5727.0	66.6	70.3	1346.0	5541.1	64.8	40.2	7
8	1341.6	4860.6	102.6	72.3	1347.9	5834.5	72.4	75.6	1347.1	5717.4	66.8	70.3	1346.3	5587.1	63.9	40.2	8
9	1342.0	4914.4	100.7	72.3	1347.8	5828.1	73.3	75.6	1347.1	5706.1	65.9	70.3	1346.6	5625.1	59.9	40.2	9
10	1342.3	4971.8	102.7	72.3	1347.8	[illegible]	[illegible]	75.4	1347.0	[illegible]	[illegible]	70.3	1346.8	5658.4	55.0	40.2	10
11	1342.7	5023.1	99.5	72.3	1347.8	5816.5	72.6	75.4	1346.9	5680.6	65.4	70.3	1347.0	5694.9	56.3	40.2	11
12	1343.0	5077.6	101.3	72.6	1347.7	5813.7	74.9	75.4	1346.8	5664.5	[illegible]	70.2	1347.2	5722.2	54.9	40.2	12
13	1343.4	5125.1	98.1	72.6	1348.4	5925.2	133.0	75.0	1346.7	5653.7	65.7	70.2	1347.3	5747.9	54.2	40.2	13
14	1343.7	5175.5	98.7	72.6	1348.6	5944.7	86.2	75.4	1346.7	5650.5	69.4	70.2	1347.5	5778.4	56.8	40.2	14
15	1344.0	5226.1	98.5	72.6	1348.6	5952.8	80.4	75.4	1346.7	5645.7	68.4	69.9	1347.7	5804.0	54.4	40.4	15
16	1344.5	5302.0	112.1	72.6	1348.6	5949.6	75.3	75.4	1346.6	5636.2	65.3	69.6	1347.8	5828.1	54.5	40.6	16
17	1345.5	5464.2	134.7	72.6	1348.6	5946.3	74.8	75.4	1346.7	5642.1	78.6	69.5	1348.0	5847.4	53.5	40.6	17
18	1346.0	5536.3	109.6	72.5	1348.5	5941.4	74.3	75.4	1346.8	5658.4	74.5	69.5	1348.0	5861.9	50.6	40.6	18
19	1346.4	5598.2	104.3	72.3	1348.5	5933.3	72.7	75.4	1346.7	5647.3	64.3	69.5	1348.1	5874.9	49.3	40.6	19
20	1346.7	5644.1	96.6	72.3	1348.4	5923.6	71.4	75.4	1346.7	5639.4	[illegible]	69.4	1348.2	5887.9	48.8	40.6	20
21	1346.9	5677.5	89.9	72.3	1348.4	5913.8	71.5	75.4	1346.6	5625.1	63.3	69.5	1348.3	5905.7	50.9	40.6	21
22	1347.1	5706.1	90.2	75.4	1348.3	5900.9	69.9	75.4	1346.5	5610.8	63.2	69.5	1348.5	5930.1	53.9	40.6	22
23	1347.2	5731.8	89.4	75.4	1348.2	5887.9	69.5	75.4	1346.3	5583.9	64.4	76.9	1348.6	5949.6	51.8	40.6	23
24	1347.3	5747.9	84.6	75.4	1348.2	5879.8	71.9	75.5	1346.2	5566.4	61.3	69.3	1348.7	5964.2	49.7	40.6	24
25	1347.7	5813.7	86.5	75.6	1348.1	5873.3	72.7	75.9	1346.1	[illegible]	[illegible]	69.3	1348.7	5975.5	47.4	40.3	25
26	1347.8	5828.1	84.2	75.4	1348.1	5868.4	73.8	75.6	1346.0	5539.5	63.9	69.3	1348.8	5986.9	47.3	40.3	26
27	1347.9	5836.1	80.4	75.4	1348.1	5865.1	74.4	75.6	1345.9	5519.1	60.2	69.3	1349.0	6012.9	54.3	40.3	27
28	1347.9	5845.8	81.3	75.4	1348.0	5860.3	75.1	75.6	1345.7	5495.5	58.0	69.1	1349.2	6044.0	57.0	40.4	28
29					1348.0	5852.2	72.8	74.9	1345.6	5470.4	57.5	69.1	1349.3	6072.0	55.0	40.4	29
30					1347.9	5845.8	72.1	74.5	1345.4	5448.5	59.2	69.1	1349.5	6096.6	53.2	40.4	30
31					1347.9	5839.4	72.1	75.8					1349.6	6113.0	49.9	40.4	31
TOTAL			2942.1	2585.9			2366.8	2336.5			1959.9	2119.9			1722.1	1351.6	
Inf. Ac. Ft.	5835.6				4694.1				3887.4				3415.7				
Outf. Ac. Ft.	5287.7 + (50.6)				4634.4 + (66.0)				4204.8 + (73.4)				2680.9 + (70.4)				
Max. Mean Daily Inf.	155.4 cfs				133.0 cfs				78.6 cfs				71.7 cfs				
Min. Mean Daily Inf.	80.4 cfs				69.5 cfs				57.5 cfs				47.3 cfs				
Storage Change	497.2 A.F.				-6.4 A.F.				-390.8 A.F.				664.5 A.F.				

Day	June Gage Height	June Acre-Ft. Storage	June CFS Inflow	June CFS Outflow	July Gage Height	July Acre-Ft. Storage	July CFS Inflow	July CFS Outflow	August Gage Height	August Acre-Ft. Storage	August CFS Inflow	August CFS Outflow	September Gage Height	September Acre-Ft. Storage	September CFS Inflow	September CFS Outflow	Day
1	1349.7	6126.2	49.5	41.7	1349.0	6017.8	34.6	45.7	[illegible]	5181.7	[illegible]	44.6	1339.6	4566.9	[illegible]	45.2	1
2	1349.7	6139.3	48.2	40.4	1348.9	5995.0	35.8	45.3	1343.6	5164.8	[illegible]	44.6	1339.5	4544.9	35.4	45.1	2
3	1349.9	6157.4	50.6	40.4	1348.7	5970.7	34.9	45.3	1343.5	5144.9	[illegible]	44.6	1339.3	4521.4	35.6	46.1	3
4	1349.9	6163.9	45.1	40.6	1348.5	5943.1	33.2	45.3	1343.4	[illegible]	[illegible]	44.6	1339.1	4494.9	34.2	46.1	4
5	1350.0	[illegible]	[illegible]	40.7	[illegible]	[illegible]	[illegible]	45.3	[illegible]	[illegible]	[illegible]	[illegible]	1338.9	4467.0	33.9	46.1	5
6	1350.0	6180.4	45.5	40.8	1348.2	[illegible]	[illegible]	45.3	1343.2	5099.0	[illegible]	[illegible]	1338.8	4440.8	34.0	46.1	6
7	1350.0	6183.7	44.9	42.1	1348.0	5855.6	34.0	45.3	1343.0	5074.5	[illegible]	45.0	1338.6	4419.9	[illegible]	46.1	7
8	1350.1	6192.0	47.5	42.1	1347.8	5826.1	[illegible]	45.3	1342.9	5058.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.1	8
9	1350.1	6200.3	47.0	42.1	1347.7	5799.2	33.3	45.3	1342.7	5032.2	30.0	44.2	[illegible]	4370.0	[illegible]	46.1	9
10	1350.2	6213.6	49.4	42.1	1347.4	5765.5	[illegible]	45.2	1342.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46.1	10
11	1350.2	6221.9	47.2	42.1	1347.2	5730.2	30.4	45.2	1342.5	4991.4	30.3	44.2	1337.8	4306.7	34.9	46.1	11
12	1350.3	6228.6	45.6	40.8	1347.0	5694.9	29.8	45.0	1342.3	4970.3	[illegible]	44.2	1337.6	4274.8	[illegible]	46.1	12
13	1350.3	6233.6	45.0	40.8	1346.8	5667.9	33.9	45.0	1342.2	4952.1	[illegible]	44.2	1337.4	4243.0	35.0	46.1	13
14	1350.3	6231.9	42.3	40.8	1346.7	5641.0	31.2	45.0	1342.1	4934.0	36.9	44.2	[illegible]	4205.3	31.0	46.1	14
15	[illegible]	6225.9	[illegible]	42.1	[illegible]	[illegible]	[illegible]	45.0	1342.0	[illegible]	[illegible]	44.2	1336.9	4175.9	[illegible]	46.1	15
16	1350.2	6218.6	39.9	42.1	1346.4	5595.0	[illegible]	45.0	1341.9	4898.0	[illegible]	44.2	1336.7	4143.5	31.4	46.1	16
17	1350.2	6210.3	39.9	42.1	1346.2	5571.2	34.5	45.0	1341.7	4880.0	[illegible]	44.2	1336.6	4120.3	35.7	46.1	17
18	1350.1	6203.6	39.5	40.8	1346.1	5549.0	35.6	45.0	1341.6	4860.6	36.1	44.2	1336.4	4092.9	33.2	46.1	18
19	1350.1	6195.3	38.5	40.8	1345.9	5525.8	35.9	45.0	1341.5	4842.7	36.7	44.2	1336.1	4061.3	32.6	46.1	19
20	1350.0	6182.0	36.2	40.8	1345.8	5498.7	33.7	45.0	1341.4	[illegible]	36.0	44.2	1335.9	4026.9	[illegible]	46.1	20
21	1349.9	6170.5	38.6	42.1	1345.6	5472.0	33.5	45.0	1341.2	4803.8	36.0	44.2	1335.7	4001.2	31.4	46.1	21
22	1349.8	6155.7	36.6	42.1	1345.4	5443.8	[illegible]	45.0	1341.1	4784.4	36.0	44.2	1335.5	3972.7	31.4	46.1	22
23	1349.8	6140.9	35.4	40.8	1345.3	5420.3	[illegible]	45.0	1341.0	4763.5	35.0	44.2	1335.3	[illegible]	[illegible]	46.1	23
24	1349.7	6124.5	35.2	42.1	1345.1	5392.0	32.5	45.0	1340.8	4741.3	[illegible]	44.2	1335.1	3925.6	[illegible]	46.1	24
25	1349.6	6111.4	37.3	42.1	1344.9	5360.9	31.2	45.0	1340.7	[illegible]	35.6	44.2	1334.9	3878.8	[illegible]	46.1	25
26	1349.4	6094.9	33.9	40.8	1344.7	5333.0	32.7	45.0	1340.6	4704.3	[illegible]	44.2	1334.7	3849.2	32.1	46.1	26
27	1349.3	6081.8	[illegible]	40.8	1344.5	5305.1	32.7	45.0	1340.4	[illegible]	[illegible]	44.2	1334.5	3821.1	33.2	46.1	27
28	1349.3	6067.0	36.1	42.1	1344.3	5275.7	31.9	45.0	1340.2	4658.4	[illegible]	44.2	1334.2	3791.5	32.8	46.1	28
29	1349.2	6053.9	37.3	42.1	1344.1	5244.7	[illegible]	44.6	1340.1	[illegible]	[illegible]	[illegible]	1334.0	3765.4	[illegible]	46.1	29
30	1349.1	6039.1	36.6	42.2	1344.0	5216.9	[illegible]	44.6	1340.0	4615.5	[illegible]	44.1	1333.9	3737.1	34.0	46.1	30
31					1343.8	5200.0	38.0	44.6	1339.8	4596.3	[illegible]	[illegible]					31
TOTAL			1253.1	1243.4			1032.8	1395.5			[illegible]	1371.4			999.7	1384.3	
Inf. Ac. Ft.	2485.5				2048.5				2235.6				1982.9				
Outf. Ac. Ft.	2466.2 + (93.2)				2767.9 + (119.6)				2720.1 + (119.2)				2745.7 + (96.4)				
Max. Mean Daily Inf.	50.6 cfs				38.0 cfs				39.5 cfs				36.8 cfs				
Min. Mean Daily Inf.	33.9 cfs				29.8 cfs				33.5 cfs				30.1 cfs				
Storage Change	-73.9 A.F.				-839.0 A.F.				-803.6 A.F.				-859.2 A.F.				

Max. W.S. Elev. 1368.6 feet on 12/22/70 Storage 9731.8 Acre-Feet

Min. W.S. Elev. 1254.0 feet on various days Storage 0 Acre-Feet

Max. Peak Inf. 6400 CFS from 12:00 noon on 11/29/70 to 2:00 p.m. on 11/29/70

Max. Peak Outf. 300 CFS from 10:00 a.m. on 12/25/70 to 4:00 p.m. on 12/25/70

Remarks: ( ) Indicates evaporation and other losses.
* There was a loss of 484.8 acre-feet due to bank storage and percolation.
Inflow for November 1 to 12, inclusive, is based on streamflow recorder stations F3-R and F48-R.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN GABRIEL DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 202.7 SQ. MI.
CAPACITY OF RESERVOIR 41,549 AC. FT.
at SPILLWAY ELEVATION 1,482.0 FT.
as of October, 1970

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1333.7	3709.7	33.9	46.2	1328.0	2987.9	25.5	30.7
2	1333.4	3679.4	32.3	46.2	1328.1	2994.0	26.1	21.9
3	1333.2	3647.8	31.7	46.2	1328.1	2998.8	25.7	21.9
4	1333.0	3616.4	32.1	46.2	1328.2	3004.9	26.0	21.9
5	1332.7	3565.7	32.6	46.2	1328.1	3001.5	24.9	25.7
6	1332.5	3552.4	31.7	46.2	1328.1	3002.5	23.2	21.9
7	1332.3	3520.5	32.0	46.2	1328.1	3003.7	23.3	21.9
8	1332.0	3488.5	31.8	46.2	1328.2	3004.9	23.3	21.9
9	1331.8	3461.4	34.6	46.2	1328.2	3007.3	24.1	21.9
10	1331.6	3432.9	34.0	46.2	1328.2	3009.8	23.9	21.9
11	1331.4	3405.8	34.4	46.2	1328.2	3011.0	22.9	21.9
12	1331.2	3379.9	34.5	46.0	1328.3	3028.0	31.5	22.0
13	1331.0	3354.2	33.5	45.4	1328.5	3041.3	29.1	22.2
14	1330.8	3328.9	33.4	45.4	1328.5	3051.0	27.7	22.2
15	1330.6	3308.9	34.0	45.4	1328.6	3059.5	27.1	22.2
16	1330.5	3291.1	39.6	45.4	1328.7	3069.2	27.9	22.2
17	1330.4	3278.4	39.8	45.4	1328.7	3075.3	26.0	22.0
18	1330.2	3258.3	36.3	45.4	1328.8	3082.6	26.3	22.0
19	1330.0	3236.8	35.8	45.4	1328.8	3086.2	25.1	22.0
20	1329.9	3221.9	38.9	45.4	1328.9	3089.8	24.6	22.0
21	1329.8	3200.8	36.2	45.4	1328.9	3094.7	25.1	22.0
22	1329.6	3181.0	36.6	45.4	1328.9	3097.1	23.9	22.0
23	1329.4	3157.5	34.2	45.4	1329.0	3104.4	26.7	22.3
24	1329.3	3146.4	40.8	45.4	1329.0	3105.6	24.0	22.6
25	1329.2	3136.5	41.1	45.4	1329.0	3110.5	25.6	22.6
26	1329.1	3120.4	37.7	45.4	1329.0	3113.0	24.3	22.6
27	1329.0	3105.6	38.1	45.4	1329.1	3114.2	23.9	22.6
28	1328.9	3091.1	39.2	45.4	1329.1	3121.7	26.6	22.6
29	1328.7	3074.1	39.2	45.4	1329.2	3126.6	25.2	22.6
30	1328.4	3040.1	29.2	45.4	1329.2	3130.3	25.0	22.6
31	1328.1	3000.0	26.2	45.4				
TOTAL			1084.2	1416.8			764.3	676.8
Inf. Ac. Ft.	2150.5				1516.0			
Outf. Ac. Ft.	2810.1 + (77.4)				1342.4 + (43.3)			
Max. Mean Daily Inf.	41.1 cfs				31.5 cfs			
Min. Mean Daily Inf.	26.2 cfs				22.1 cfs			
Storage Change	-737.0 A.F.				130.2 A.F.			

DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1329.2	3134.0	25.5	22.6	1372.5	10617.7	161.4	81.2	1
1329.2	3137.7	24.7	22.6	1373.1	10765.2	152.6	77.2	2
1329.3	3145.2	26.9	22.6	1373.5	10847.4	163.9	121.4	3
1329.3	3148.9	25.5	22.6	1373.3	10808.7	164.8	143.1	4
1329.4	3152.6	25.1	22.6	1372.3	10554.4	168.7	293.9	5
1329.4	3157.5	25.7	22.6	1370.8	10214.8	160.4	332.4	6
1329.5	3165.0	27.7	22.6	1369.6	9940.3	161.4	298.8	7
1329.5	3167.4	24.8	22.5	1368.0	9597.8	160.0	331.8	8
1329.5	3169.9	24.1	22.5	1366.3	9232.9	164.2	347.5	9
1329.5	3174.8	25.5	22.5	1364.5	8861.9	159.4	345.4	10
1329.6	3177.3	24.4	22.5	1362.6	8477.1	159.9	352.9	11
1329.6	3182.3	25.2	22.5	1360.3	8035.5	137.0	358.8	12
1329.7	3192.2	28.3	22.5	1358.2	7620.1	154.4	358.8	13
1329.7	3197.1	25.4	22.5	1356.0	7208.7	139.7	350.3	14
1329.8	3203.3	26.0	22.5	1353.5	6766.3	130.5	352.4	15
1329.8	3205.8	24.3	22.5	1350.8	6306.8	118.3	349.1	16
1329.8	3209.5	25.0	22.5	1349.9	6168.9	102.0	170.9	17
1329.9	3213.2	24.8	22.5	1350.2	6216.9	89.4	64.8	18
1329.9	3215.7	24.4	22.5	1350.4	6251.9	83.5	65.5	19
1329.9	3219.4	24.8	22.5	1350.6	6285.1	83.0	65.5	20
1330.0	3225.6	25.7	22.5	1350.8	6311.8	79.4	65.5	21
1331.1	3373.5	98.1	22.5	1350.9	6338.4	79.5	65.5	22
1331.8	3465.2	69.1	22.5	1351.1	6360.2	77.0	65.5	23
1344.8	5353.2	974.9	23.1	1351.2	6375.3	77.1	68.5	24
1354.8	6999.5	840.9	9.0	1351.2	6382.1	74.1	70.3	25
1361.4	8237.2	625.7	.8	1351.3	6392.2	75.9	70.3	26
1365.2	9011.4	391.7	.8	1351.3	6400.6	75.3	70.3	27
1367.5	9495.8	245.5	.8	1351.3	6402.3	72.2	70.3	28
1369.5	9924.3	217.5	.8	1351.3	6400.6	70.2	70.3	29
1370.9	10244.3	163.0	.8	1351.3	6395.6	68.7	70.3	30
1371.8	10459.7	146.8	37.3	1351.2	6385.5	66.1	70.3	31
		4306.8	591.6			3629.9	5668.8	
8542.4				7199.8				
1173.4 + (39.6)				11224.0 + (49.9)				
974.9 cfs				168.7 cfs				
24.1 cfs				66.1 cfs				
7329.3 A.F.				-4074.2 A.F.				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1351.2	6375.3	65.7	70.3	1346.8	5666.4	51.2	50.4
2	1351.1	6360.2	63.6	70.3	1346.8	5661.6	49.0	50.4
3	1351.0	6348.4	65.4	70.3	1346.8	5656.8	49.2	50.4
4	1350.9	6333.4	63.3	70.3	1346.7	5648.9	47.5	50.4
5	1350.9	6326.7	67.3	70.3	1346.7	5642.6	48.5	50.4
6	1350.8	6316.7	65.7	70.3	1346.6	5634.6	47.0	50.3
7	1350.7	6298.4	61.9	70.3	1346.6	5631.5	49.4	50.3
8	1350.2	6215.3	60.1	101.4	1346.6	5631.5	51.0	50.3
9	1349.2	6042.4	58.7	145.0	1346.6	5625.1	48.4	50.2
10	1348.6	5947.9	58.0	104.7	1346.5	5615.6	46.4	50.2
11	1348.5	5930.1	62.3	70.3	1346.5	5610.8	48.7	50.1
12	1348.3	5902.5	57.2	69.9	1346.4	5601.3	45.9	50.0
13	1348.1	5874.9	56.4	69.2	1346.4	5593.4	47.1	50.0
14	1348.0	5849.0	56.8	69.2	1346.3	5582.3	45.5	50.0
15	1347.9	5836.1	57.8	63.6	1346.2	5571.2	45.5	50.0
16	1347.8	5828.1	57.4	60.3	1346.1	5558.5	44.9	50.0
17	1347.8	5816.9	55.7	60.3	1346.0	5541.1	42.0	50.0
18	1347.7	5802.4	53.9	60.3	1345.9	5526.9	43.5	50.0
19	3147.6	5788.0	54.4	60.3	1345.8	5511.2	42.9	50.0
20	1347.5	5771.9	53.2	60.3	1345.8	5500.2	43.3	47.8
21	1347.4	5757.5	53.4	60.0	1345.7	5490.8	41.7	45.5
22	1347.3	5744.3	52.4	57.5	1345.7	5483.0	42.4	45.5
23	1347.2	5727.0	53.0	62.3	1345.6	5475.1	42.4	45.2
24	1347.2	5719.0	52.3	55.4	1345.6	5457.3	42.7	45.2
25	1347.1	5711.0	52.2	55.4	1345.5	5456.3	40.5	45.2
26	1347.0	5701.3	51.2	55.4	1345.4	5448.5	42.0	45.2
27	1347.0	5687.0	49.3	55.4	1345.4	5439.1	41.8	45.2
28	1346.9	5674.3	49.7	55.4	1345.3	5429.7	41.7	45.2
29	1346.8	5666.4	48.7	52.3	1345.3	5420.3	41.6	45.2
30					1345.2	5412.4	42.1	44.7
31					1345.2	5403.0	41.5	44.7
TOTAL			1656.8	1996.0			1397.2	1498.0
Inf. Ac. Ft.	3286.3				2771.3			
Outf. Ac. Ft.	3959.0 + (46.4)				2971.2 + (63.4)			
Max. Mean Daily Inf.	57.3 cfs				51.2 cfs			
Min. Mean Daily Inf.	48.7 cfs				40.5 cfs			
Storage Change	-719.1 A.F.				-263.3 A.F.			

APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1345.1	5388.9	38.7	44.7	1325.2	2660.8	32.9	35.3	1
1345.0	5371.8	37.2	44.7	1325.2	2659.6	33.4	32.9	2
1344.9	5356.3	37.7	44.7	1325.3	2666.5	34.5	30.3	3
1344.8	5354.7	40.4	40.0	1325.3	2673.4	34.7	30.3	4
1344.4	5285.0	39.6	73.8	1325.4	2678.0	33.4	30.3	5
1343.4	5131.2	42.0	118.4	1325.4	2686.1	34.9	30.3	6
1342.4	4976.3	40.5	117.5	1325.5	2693.0	34.5	30.3	7
1341.4	4823.3	41.6	117.5	1325.5	2701.0	35.2	30.3	8
1340.3	4668.7	40.7	117.5	1325.6	2706.8	34.2	30.3	9
1339.3	4522.8	44.9	117.5	1325.7	2711.4	34.2	31.3	10
1338.3	4369.3	41.8	118.6	1325.7	2712.5	32.3	30.3	11
1337.2	4208.2	38.9	119.1	1324.6	2586.8	25.4	87.2	12
1336.0	4042.6	39.7	121.3	1322.8	2384.2	20.8	121.0	13
1334.8	3870.4	36.1	121.0	1320.9	2181.8	20.6	121.0	14
1333.6	3700.0	36.4	120.8	1319.0	1986.4	22.9	120.5	15
1332.3	3525.8	34.1	120.6	1317.1	1797.5	25.5	119.8	16
1331.0	3360.5	38.1	120.6	1315.1	1607.4	22.9	117.9	17
1329.8	3210.7	45.5	120.6	1313.1	1430.7	28.7	117.1	18
1328.7	3068.0	49.0	120.3	1312.5	1382.2	38.4	62.5	19
1327.4	2911.6	41.7	119.7	1312.8	1400.1	39.9	30.4	20
1326.0	2755.2	42.7	120.3	1312.9	1410.6	36.3	30.4	21
1325.2	2660.8	38.7	85.2	1312.3	1363.5	31.7	55.0	22
1325.3	2665.4	38.8	35.6	1311.9	1329.1	31.6	48.4	23
1325.3	2673.4	40.5	35.6	1311.9	1328.3	31.6	31.5	24
1325.4	2680.3	40.2	35.6	1311.9	1327.5	31.5	31.5	25
1325.4	2681.5	37.8	35.6	1310.6	1232.4	28.3	75.7	26
1325.4	2679.2	35.6	35.3	1308.1	1052.1	30.7	121.0	27
1325.4	2675.7	34.6	35.3	1305.1	851.4	16.2	116.6	28
1325.3	2672.3	34.6	35.3	1301.7	669.5	23.6	114.8	29
1325.3	2667.7	33.9	35.3	1297.8	501.3	28.9	113.3	30
				1293.1	336.2	28.2	111.1	31
		1182.1	2528.0			937.7	2088.6	
2344.6				1859.9				
5014.2 + (65.8)				4142.6 + (48.6)				
49.0 cfs				39.9 cfs				
33.9 cfs				16.2 cfs				
-2735.3 A.F.				-2331.4 A.F.				

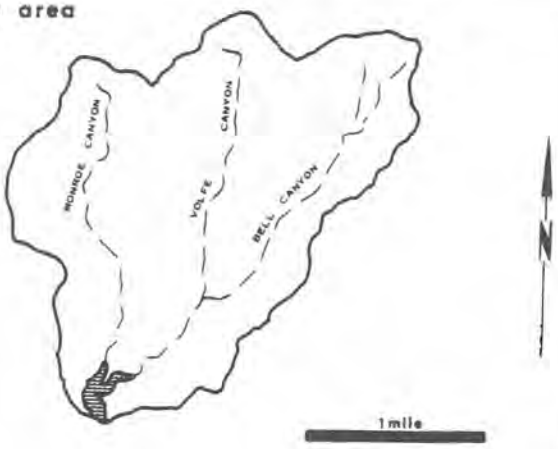
Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	[illegible]	284.1	[redacted]	[illegible]	1275.7	225.1	[illegible]	.5
2	[redacted]	[redacted]	[redacted]	30.2	1286.7	261.4	[illegible]	.5
3	1291.0	[illegible]	25.2	29.1	1297.7	296.7	[illegible]	.5
4	1290.5	237.0	25.4	9.7	[illegible]	331.8	17.7	.5
5	[illegible]	225.5	26.2	31.7	1253.5	208.1	[illegible]	[illegible]
6	[illegible]	[illegible]	25.7	[illegible]	1254.0	13.5	17.7	115.5
7	[illegible]	[illegible]	26.6	31.4	1254.0	13.5	17.7	17.7
8	[illegible]	242.7	26.3	30.6	1254.0	13.5	17.5	17.5
9	1290.9	195.2	26.3	30.0	1254.0	[redacted]	17.2	17.2
10	1290.9	182.1	[illegible]	32.1	1254.0	[redacted]	17.2	17.2
11	[illegible]	[illegible]	25.1	31.3	1254.0	[redacted]	17.2	17.2
12	1290.2	155.7	24.9	31.4	1254.0	13.5	17.2	17.2
13	[illegible]	[illegible]	24.5	32.1	1254.0	0	17.3	24.1
14	[illegible]	124.4	24.3	32.1	1254.0	0	17.2	17.2
15	[illegible]	107.7	24.5	32.2	1254.0	[illegible]	17.2	17.2
16	[illegible]	[illegible]	24.5	28.1	1254.0	0	17.2	17.2
17	[illegible]	[redacted]	[redacted]	[redacted]	[redacted]	0	[redacted]	[redacted]
18	[illegible]	[illegible]	24.5	26.9	1254.0	0	16.3	16.3
19	[illegible]	85.9	24.0	27.2	1254.0	0	[illegible]	[illegible]
20	1287.7	[illegible]	24.2	21.3	1254.0	[redacted]	[redacted]	[redacted]
21	[illegible]	[illegible]	[redacted]	[illegible]	1254.0	[illegible]	15.5	15.5
22	[illegible]	103.3	[redacted]	22.9	1254.0	0	15.5	15.5
23	[illegible]	98.4	[redacted]	27.9	1254.0	0	15.4	15.4
24	[illegible]	87.3	[redacted]	24.3	1254.0	0	15.3	15.3
25	1287.1	72.1	[illegible]	29.3	1254.0	0	15.1	15.1
26	[illegible]	65.3	20.5	24.0	1254.0	0	14.7	14.7
27	1289.4	84.7	[illegible]	10.0	1254.0	0	14.5	14.5
28	1291.6	121.2	[illegible]	.5	1254.0	0	14.5	14.5
29	1293.2	[redacted]	[redacted]	[redacted]	[redacted]	[illegible]	14.5	14.5
30	[illegible]	[illegible]	[redacted]	[redacted]	[redacted]	[redacted]	14.5	14.5
31					1254.0	0	14.5	14.5
TOTAL			719.4	786.2			512.0	605.7
Inf. Ac. Ft.	1426.9				1015.5			
Outf. Ac. Ft.	1559.4 + (12.5)				1201.4 + (5.4)			
Max. Mean Daily Inf.	25.9				18.8			
Min. Mean Daily Inf.	13.4				14.5			
Storage Change	[illegible]				-191.2			

AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1254.0	0	[illegible]	14.6	1254.0	0	[redacted]	[redacted]	1
1254.0	0	15.0	[illegible]	[redacted]	[redacted]	[redacted]	[redacted]	2
1254.0	0	15.4	15.4	1254.0	0	[redacted]	[redacted]	3
1254.0	0	[redacted]	[redacted]	[redacted]	[illegible]	32.9	32.9	4
1254.0	0	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	5
1254.0	0	15.5	15.5	1254.0	0	33.0	33.0	6
1254.0	0	15.6	15.6	1254.0	0	30.2	30.2	7
1254.0	0	15.4	15.4	1254.0	0	[redacted]	[redacted]	8
1254.0	0	15.1	15.1	1254.0	0	[illegible]	[illegible]	9
1254.0	0	28.6	28.6	1254.0	0	17.5	[illegible]	10
1254.0	0	34.0	30.0	1254.0	0	[redacted]	[redacted]	11
1254.0	0	34.9	34.9	1254.0	0	[redacted]	[redacted]	12
1254.0	0	32.1	32.1	1254.0	0	16.1	16.1	13
1254.0	0	27.1	27.1	1254.0	0	[redacted]	[redacted]	14
1254.0	0	31.2	31.2	1254.0	0	[redacted]	[redacted]	15
1254.0	0	31.2	31.2	1254.0	0	15.7	15.7	16
[redacted]	[redacted]	[redacted]	31.3	1254.0	0	[illegible]	[illegible]	17
1254.0	0	25.8	[illegible]	1254.0	[illegible]	[redacted]	[illegible]	18
1254.0	0	[illegible]	[redacted]	[redacted]	[redacted]	15.4	15.4	19
1254.0		32.3	[illegible]	1254.0	0	15.1	15.1	20
1254.0	0	30.7	[illegible]	1254.0	0	[illegible]	[illegible]	21
1254.0	0	[illegible]	30.7	1254.0	0	14.5	14.5	22
1254.0	0	[illegible]	[illegible]	1254.0	0	14.4	14.4	23
1254.0	0	32.2	32.2	1254.0		14.3	14.3	24
1254.0	0	32.2	[illegible]	1254.0	0	14.5	14.5	25
1254.0	0	33.6	33.6	1254.0	0	14.5	14.5	26
1254.0	0	33.6	33.6	1254.0	0	14.5	14.5	27
1254.0	0	32.2	32.2	1254.0	0	14.5	14.5	28
1254.0	0	32.2	32.2	1254.0	0	14.2	14.2	29
1254.0	0	32.2	32.2	1254.0	0	14.1	14.1	30
1254.0	0	32.2	32.2					31
		824.9	824.9			[illegible]	[illegible]	
1636.2				1158.3				
1636.2				1158.3				
33.6				34.3				
14.6				14.1				
0				0				

Max. W.S. Elev.	1373.5 feet	on 1/3-4/72	Storage 10847.3	Acre-Feet
Min. W.S. Elev.	1254.0 feet	on Various Days	Storage 0	Acre-Feet
Max. Peak Inf.	1390.0 CFS from 10:00 P.M.	on 12/25/71	to 12:00 Midnite	on 12/25/71
Max. Peak Outf.	441.4 CFS from [illegible] A.M.	on 1/11/72	to 4:00 P.M.	on 1/11/72
REMARKS:	( ) Indicates evaporation losses.			

BIG DALTON DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started December 1927 - Completed August 1929

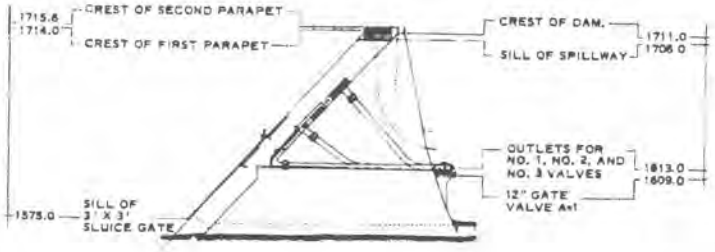
LOCATION -
Big Dalton Canyon, 4.0 miles northeast of Glendora

DRAINAGE AREA - 4.5 square miles

CAPACITY - 963 acre-feet

SPILLWAY ELEVATION - 1,706.0 feet

cross-section



BIG DALTON DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1929-30	52	3.2	0	52			N.D.
1930-31	41	2.0	0	41	4	26	3.0
1931-32	690	54	0	688	2	9	86
1932-33	79	5.2	0	81	1	20	12
1933-34	448	93	0	448	1	1	227
1934-35	593	21	0	575	4	8	49
1935-36	360	12	0	370	2	11	72
1936-37	1879	51	0	1868	2	6	98
1937-38	3271	415	0	3192	3	2	1320
1938-39	280	4.3	0	288	1	5	26
1939-40	232	4.0	0	236	1	8	29
1940-41	2767	56	+	2748	3	4	88
1941-42	209	2.3	0	233	3	14	6.0
1942-43	3143	160	0.1	3110	1	23	595
1943-44	1087	109	+	1085	2	22	226
1944-45	734	19	0	729	11	11	47
1945-46	525	40	0	509	12	23	148
1946-47	492	16	0	512	11	20	56
1947-48	58	0.7	0	7.7	4	28	9.7
1948-49	94	0.8	0	113	12	17	3.3
1949-50	142	2.0	0	130	2	6	3.5
1950-51	27	2.1	+	14	1	11	4.8
1951-52	1626	73	0	1577	1	16	154
1952-53	120	1.4	+	68	12	1	4.8
1953-54	346	13	0	359	1	25	53
1954-55	87	0.9	+	5.0	1	18	2.4
1955-56	190	14	+	213	1	26	56
1956-57	76	0.9	+	27	1	13	1.8
1957-58	2104	97	0	2052	4	3	169
1958-59	160	6.4	+	133	2	16	26
1959-60	54	0.6	+	11	4	27	4.8
1960-61	187	18	0	1510	11	5	462
1961-62	1222	63	0	933	12	2	1130
1962-63	248	20	0.1	159	2	9	92
1963-64	165	2.8	0	300	3	22	30
1964-65	380	18	0	15	4	9	73
1965-66	2210	113	0	2013	11	22	489
1966-67	4787	292	0.1	4790	12	6	685
1967-68	771	15	0.1	681	11	19	56
1968-69	13251	1210	0	12995	1	25	1540
1969-70	728	15	0.1	610	2	28	91
1970-71	856	22	0.1	1100	12	21	38
1971-72	217	10.1	+	+	12	27	11

N.D. = NOT DETERMINED
\+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG DALTON DAM

1969-70

DRAINAGE AREA 4.48 SQ. MI.
CAPACITY OF RESERVOIR 452.0 AC. FT.
at SPILLWAY ELEVATION 1,796.0 FT.
as of MARCH 1, 1969

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1684.7	179.7	1.2	1.5
2	1684.6	178.8	1.0	1.5
3	1684.5	177.9	1.0	1.5
4	1684.3	176.1	1.0	1.5
5	1684.2	175.3	1.0	1.4
6	1684.0	173.5	1.0	1.5
7	1683.9	172.6	0.9	1.4
8	1683.8	171.7	0.9	1.4
9	1683.7	170.9	0.9	1.4
10	1683.6	170.0	0.9	1.4
11	1683.4	168.2	0.9	1.4
12	1683.3	167.4	0.9	1.4
13	1683.1	165.6	0.9	1.4
14	1683.0	164.8	0.9	1.4
15	1682.9	163.9	0.8	1.5
16	1682.8	163.1	0.8	1.1
17	1682.7	162.2	0.8	1.1
18	1682.5	160.5	0.8	0
19	1682.4	159.7	0.8	0
20	1682.3	158.8	0.8	0
21	1682.2	158.0	0.8	0
22	1682.1	157.1	0.8	0
23	1682.0	156.3	0.8	0
24	1681.9	155.4	0.8	0
25	1681.8	154.6	0.8	0
26	1681.7	153.7	0.8	0
27	1681.6	152.9	0.8	0
28	1681.5	152.0	0.8	0
29	1681.4	151.2	0.8	0
30	1681.3	150.3	0.8	0
31	1681.2	149.5	0.8	0
TOTAL			26.7	20.9
Inf. Ac. Ft.			43.0	
Outf. Ac. Ft.			41.5 + (3.6)	
Max. Mean Daily Inf.			1.0 cfs	
Min. Mean Daily Inf.			0.7 cfs	
Storage Change			8.0 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1683.9	190.5	0.7	0
2	1684.0	191.4	0.7	0
3	1684.1	192.3	0.7	0
4	1684.3	194.1	0.7	0
5	1684.4	195.0	0.7	0
6	1687.0	200.5	2.9	.1
7	1687.4	204.2	2.0	.1
8	1687.8	207.9	2.0	.1
9	1688.1	210.7	1.5	.1
10	1688.3	212.6	1.4	.1
11	1688.6	215.4	1.6	.1
12	1689.4	224.2	0.8	5.7
13	1689.1	183.3	0.8	10.4
14	1689.8	183.0	0.8	10.0
15	1690.6	144.4	0.8	9.7
16	1678.4	126.3	0.8	8.4
17	1677.3	117.6	0.8	5.3
18	1677.2	116.8	0.8	1.3
19	1677.2	116.8	0.8	1.3
20	1677.2	116.8	0.8	1.3
21	1677.1	116.0	0.8	1.3
22	1677.0	115.2	0.8	1.3
23	1677.0	115.2	0.8	1.3
24	1676.9	114.4	0.8	1.3
25	1676.7	112.9	0.7	1.3
26	1676.8	113.6	0.7	.7
27	1676.9	114.4	0.7	0
28	1677.2	116.8	0.7	0
29	1677.4	118.4	0.7	0
30	1677.7	120.7	0.7	.1
TOTAL			29.2	62.3
Inf. Ac. Ft.			57.9	
Outf. Ac. Ft.			123.6 + (2.2)	
Max. Mean Daily Inf.			2.9 cfs	
Min. Mean Daily Inf.			0.7 cfs	
Storage Change			-67.9 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1677.9	128.0	0.7	0
2	1678.1	129.6	0.7	0
3	1678.3	131.2	0.7	0
4	1678.5	132.8	0.7	0
5	1678.7	134.4	0.7	0
6	1678.9	136.0	0.7	0
7	1679.1	137.6	0.7	0
8	1679.3	139.2	0.7	0
9	1679.5	140.9	0.7	0
10	1679.7	142.5	0.8	.1
11	1679.9	144.1	0.8	0
12	1680.1	145.8	0.8	0
13	1680.3	147.4	0.8	.2
14	1680.5	149.1	0.8	0
15	1680.7	150.7	0.8	1
16	1680.8	151.5	0.8	0
17	1681.0	153.2	0.8	0
18	1681.2	154.9	0.8	0
19	1681.3	155.7	0.8	0
20	1681.5	157.4	0.8	.1
21	1681.6	158.2	0.8	0
22	1681.8	159.9	0.8	0
23	1681.9	160.7	0.8	0
24	1682.1	162.4	0.8	0
25	1682.3	164.1	0.8	.1
26	1682.5	165.8	0.8	0
27	1682.7	167.6	0.8	0
28	1682.8	168.4	0.8	0
29	1682.9	169.2	0.8	0
30	1683.0	170.1	0.8	.1
31	1683.1	170.9	0.8	0
TOTAL			23.9	.8
Inf. Ac. Ft.			47.4	
Outf. Ac. Ft.			1.2 + (1.8)	
Max. Mean Daily Inf.			0.8 cfs	
Min. Mean Daily Inf.			0.7 cfs	
Storage Change			44.5 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1683.2	171.8	0.7	0
2	1683.4	172.7	0.7	0
3	1683.5	173.5	0.7	0
4	1683.6	174.4	0.6	0
5	1683.7	175.3	0.6	.1
6	1683.9	177.1	0.6	0
7	1684.0	177.8	0.6	0
8	1684.2	179.6	0.6	0
9	1684.3	180.4	0.6	0
10	1684.5	182.0	1.4	0
11	1684.7	183.8	1.0	.1
12	1684.9	185.5	.9	0
13	1685.1	186.3	.9	0
14	1685.2	187.2	.9	0
15	1685.4	188.0	.9	0
16	1685.5	188.9	.9	.1
17	1685.7	189.7	1.0	0
18	1685.9	191.4	.9	0
19	1686.0	192.3	.9	0
20	1686.1	193.1	0.9	0
21	1686.3	194.0	0.9	0
22	1686.5	194.8	0.9	0
23	1686.7	195.7	0.9	0
24	1686.9	196.5	0.9	0
25	1687.1	197.4	0.9	0
26	1687.3	198.2	0.9	0
27	1687.4	199.0	0.9	0
28	1687.6	199.9	0.9	0
29	1687.7	200.7	0.9	0
30	1687.9	201.6	0.9	0
31	1688.1	202.4	0.9	0
TOTAL			25.6	.8
Inf. Ac. Ft.			50.8	
Outf. Ac. Ft.			1.2 + (1.2)	
Max. Mean Daily Inf.			1.8 cfs	
Min. Mean Daily Inf.			0.6 cfs	
Storage Change			48.3 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1688.7	221.2	0.5	0
2	1688.6	220.2	0.5	.3
3	1688.5	219.3	0.5	1.2
4	1688.3	217.4	0.5	1.2
5	1688.2	216.5	0.5	1.2
6	1688.1	214.7	0.5	1.2
7	1687.9	213.8	0.5	1.2
8	1687.7	211.8	0.5	1.2
9	1687.7	211.8	1.2	1.2
10	1687.7	221.2	6.1	1.4
11	1689.0	224.0	2.8	1.4
12	1689.0	224.0	1.4	1.4
13	1689.0	224.0	1.4	1.4
14	1689.0	224.0	1.4	1.4
15	1688.9	223.1	0.9	1.4
16	1688.9	223.1	0.9	1.4
17	1688.8	222.1	0.9	1.4
18	1688.8	222.1	0.9	1.4
19	1688.7	221.2	0.9	1.2
20	1688.5	219.3	0.9	1.3
21	1688.4	218.3	0.9	1.3
22	1688.2	216.5	0.9	1.3
23	1688.1	215.5	0.9	1.3
24	1688.0	214.6	0.9	1.3
25	1687.9	213.6	0.9	1.3
26	1687.8	212.7	0.9	1.2
27	1687.7	211.8	0.8	1.2
28	1690.2	235.7	14.6	2.5
TOTAL			44.5	39.2
Inf. Ac. Ft.			88.3	
Outf. Ac. Ft.			69.8 + (2.0)	
Max. Mean Daily Inf.			14.6 cfs	
Min. Mean Daily Inf.			0.5 cfs	
Storage Change			16.4 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1692.1	197.2	8.6	28.0
2	1691.8	185.7	13.6	19.4
3	1691.9	177.8	8.4	12.3
4	1693.8	177.0	11.5	11.9
5	1684.3	181.3	11.1	8.9
6	1684.5	183.0	6.5	5.6
7	1684.3	181.3	4.6	5.4
8	1684.0	178.7	4.1	5.4
9	1683.6	175.2	3.5	5.2
10	1683.1	170.9	2.9	5.0
11	1682.6	166.7	2.9	5.0
12	1682.1	160.7	2.8	5.2
13	1681.8	159.9	2.8	3.5
14	1682.2	163.3	2.1	0
15	1682.7	167.5	2.1	.1
16	1683.2	171.8	2.1	0
17	1683.8	177.0	2.1	0
18	1684.2	180.4	2.0	0
19	1684.6	183.9	2.0	0
20	1685.0	187.4	2.0	.1
21	1685.4	191.0	1.8	0
22	1685.7	193.6	1.6	0
23	1686.0	196.3	1.6	0
24	1686.4	199.9	1.8	0
25	1686.7	202.6	1.6	.1
26	1687.1	206.3	1.6	0
27	1687.4	209.0	1.5	0
28	1687.7	211.8	1.5	0
29	1688.0	214.6	1.5	0
30	1688.4	218.3	2.0	.1
31	1688.7	221.2	1.4	0
TOTAL			115.2	121.6
Inf. Ac. Ft.			228.5	
Outf. Ac. Ft.			241.2 + (1.8)	
Max. Mean Daily Inf.			13.6 cfs	
Min. Mean Daily Inf.			1.4 cfs	
Storage Change			-14.5 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1689.0	224.0	1.3	0
2	1689.3	226.9	1.3	0
3	1689.5	228.9	1.3	0
4	1689.7	230.8	1.2	0
5	1690.0	233.7	1.2	.1
6	1689.5	228.9	1.2	2.5
7	1688.6	220.2	1.2	3.4
8	1687.7	211.8	1.2	3.0
9	1686.9	204.4	1.2	3.2
10	1686.1	197.2	1.2	3.5
11	1685.6	192.7	1.2	3.7
12	1685.6	192.7	1.2	3.7
13	1684.0	178.7	1.2	3.7
14	1683.4	173.5	1.2	3.7
15	1682.9	169.2	1.2	3.6
16	1682.4	164.0	1.2	3.5
17	1681.9	160.7	1.2	3.5
18	1681.3	155.7	1.2	3.5
19	1680.7	150.7	1.2	3.5
20	1680.7	150.7	1.2	1.4
21	1680.9	152.4	1.2	.1
22	1681.2	154.9	1.2	0
23	1681.5	157.4	1.2	0
24	1681.7	159.1	1.2	0
25	1681.9	160.7	1.2	0
26	1682.2	163.3	1.2	0
27	1682.5	165.8	1.1	0
28	1682.7	167.5	1.1	0
29	1682.9	169.2	1.1	.1
TOTAL			36.0	60.8
Inf. Ac. Ft.			71.4	
Outf. Ac. Ft.			120.6 + (2.8)	
Max. Mean Daily Inf.			1.3 cfs	
Min. Mean Daily Inf.			1.1 cfs	
Storage Change			-51.9 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1683.1	170.9	0.9	0
2	1683.3	172.7	0.9	0
3	1683.5	174.4	0.9	0
4	1683.7	176.1	0.9	0
5	1683.9	177.8	0.9	.1
6	1684.1	179.6	0.9	0
7	1684.3	181.3	0.9	0
8	1684.5	183.0	0.9	0
9	1684.7	184.8	0.8	0
10	1684.8	185.7	0.8	.1
11	1684.9	186.5	0.8	0
12	1685.2	189.2	0.8	0
13	1685.4	191.0	0.8	0
14	1685.6	192.7	0.8	.1
15	1685.7	193.6	0.7	0
16	1685.8	194.5	0.7	0
17	1685.9	195.4	0.7	.1
18	1686.1	197.2	0.7	0
19	1686.2	198.1	0.7	.1
20	1686.3	199.0	0.7	0
21	1686.4	199.8	0.7	.1
22	1686.5	200.7	0.7	.1
23	1686.6	201.5	0.7	.1
24	1686.7	202.4	0.7	.1
25	1686.8	203.3	0.7	.1
26	1687.0	205.1	0.7	.1
27	1687.1	206.0	0.6	.1
28	1687.3	208.1	0.6	.1
29	1687.4	209.0	0.6	.1
30	1687.5	209.9	0.6	.1
31			0.6	0
TOTAL			23.7	1.5
Inf. Ac. Ft.			47.0	
Outf. Ac. Ft.			3.0 + (3.4)	
Max. Mean Daily Inf.			0.9 cfs	
Min. Mean Daily Inf.			0.6 cfs	
Storage Change			40.7 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1687.4	210.9	0.5	0
2	1687.7	211.8	0.6	.1
3	1687.8	212.7	0.6	0
4	1687	212.6	0.6	.1
5	1687	214.6	0.6	0
6	1688.1	215.5	0.6	1
7	1688.2	216.5	0.6	0
8	1688.3	217.4	0.6	.1
9	1688.4	218.3	0.6	.1
10	1688.5	219.3	0.6	.1
11	1688.7	221.2	0.6	.1
12	1688.8	222.1	0.6	.1
13	1688.9	223.1	0.6	.1
14	1689.0	224.0	0.6	.1
15	1689.1	224.9	0.6	.1
16	1689.2	226.0	0.6	.1
17	1689.3	226.9	0.6	.1
18	1689.4	227.9	0.6	.1
19	1689.5	228.9	0.6	.1
20	1689.6	229.8	0.6	.1
21	1689.7	230.8	0.6	.1
22	1689.8	231.8	0.6	.1
23	1689.8	231.8	0.6	.1
24	1689.9	232.8	0.6	.1
25	1690.0	233.7	0.6	.1
26	1690.1	234.7	0.6	.1
27	1690.1	234.7	0.6	.1
28	1690.2	235.7	0.6	.1
29	1690.2	235.7	0.6	0
30	1690.3	236.7	0.6	.1
31				
TOTAL			18.0	3.5
Inf. Ac. Ft.			35.7	
Outf. Ac. Ft.			3.0 + (4.0)	
Max. Mean Daily Inf.			3.6 cfs	
Min. Mean Daily Inf.			2.6 cfs	
Storage Change			86.7 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1690.3	236.7	[redacted]	
2	1690.4	237.7	0.5	.1
3	1690.4	237.7	0.4	0
4	1690.5	238.8	0.4	.1
5	1690.5	238.8	0.4	0
6	1690.6	239.8	0.4	.1
7	1690.6	239.8	0.4	.1
8	1690.7	240.8	0.4	.1
9	1690.7	240.8	0.4	.1
10	1690.8	241.8	0.4	.1
11	1690.8	241.8	0.4	.1
12	1690.9	242.8	0.4	0
13	1690.9	242.8	0.4	.1
14	1691.0	243.8	0.4	0
15	1691.0	243.8	0.4	.1
16	1691.1	244.8	0.3	0
17	1691.1	244.8	0.3	.1
18	1691.1	244.8	0.3	0
19	1691.2	245.9	0.3	.1
20	1691.2	245.9	0.3	0
21	1691.3	246.9	0.3	.1
22	1691.3	246.9	0.3	0
23	1691.3	246.9	0.3	0
24	1691.4	247.9	0.3	.1
25	1691.4	247.9	0.3	0
26	1691.4	247.9	0.3	0
27	1691.4	247.9	0.3	0
28	1691.5	249.0	0.3	0
29	1691.5	249.0	0.3	0
30	1691.5	249.0	0.3	0
31	1691.5	249.0	0.2	.1
TOTAL			10.9	1.6
Inf. Ac. Ft.			21.6	
Outf. Ac. Ft.			3.2 + (6.1)	
Max. Mean Daily Inf.			0.5 cfs	
Min. Mean Daily Inf.			0.2 cfs	
Storage Change			12.2 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1691.6	250.0	0.3	0
2	1691.6	250.0	0.3	0
3	1691.7	251.1	0.3	0
4	1691.7	251.1	0.3	0
5	1691.8	252.1	0.3	0
6	1691.8	252.1	0.3	0
7	1691.8	252.1	0.3	0
8	1691.8	252.1	0.3	0
9	1691.8	252.1	0.2	0
10	1691.8	252.1	0.2	0
11	1691.8	252.1	0.2	0
12	1691.9	253.2	0.2	0
13	1691.9	253.2	0.2	0
14	1691.9	253.2	0.2	0
15	1692.0	254.2	0.2	0
16	1692.0	254.2	0.2	0
17	1692.0	254.2	0.2	0
18	1692.0	254.2	0.2	0
19	1692.0	254.2	0.2	0
20	1692.0	254.2	0.2	0
21	1692.1	255.3	0.2	0
22	1692.1	255.3	0.2	0
23	1692.1	255.3	0.2	0
24	1692.1	255.3	0.2	0
25	1692.2	256.4	0.2	0
26	1692.2	256.4	0.2	0
27	1692.2	256.4	0.2	0
28	1692.2	256.4	0.2	0
29	1692.3	257.5	0.2	0
30	1692.3	257.5	0.2	0
31				
TOTAL			7.3	0
Inf. Ac. Ft.			14.5	
Outf. Ac. Ft.			0 + (6.0)	
Max. Mean Daily Inf.			0.3 cfs	
Min. Mean Daily Inf.			0.2 cfs	
Storage Change			8.4 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1692.4	257.5	0.2	0
2	1692.4	258.4	0.2	0
3	1692.4	258.6	0.2	0
4	1692.4	258.6	0.2	0
5	1692.4	258.6	0.2	0
6	1692.4	258.6	0.2	0
7	1692.4	258.6	0.1	0
8	1692.4	258.6	0.1	0
9	1692.4	258.6	0.1	0
10	1692.4	258.6	0.1	0
11	1692.4	258.6	0.2	0
12	1692.4	258.6	0.2	0
13	1692.4	258.6	0.2	0
14	1692.5	259.7	0.2	0
15	1692.5	259.7	0.2	0
16	1692.5	259.7	0.2	0
17	1692.5	259.7	0.2	0
18	1692.6	260.8	0.2	0
19	1692.6	260.8	0.2	0
20	1692.6	260.8	0.2	0
21	1692.6	260.8	0.2	0
22	1692.6	260.8	0.2	0
23	1692.6	260.8	0.2	0
24	1692.7	261.9	0.2	0
25	1692.7	261.9	0.2	0
26	1692.7	261.9	0.2	0
27	1692.7	261.9	0.2	0
28	1692.7	261.9	0.2	0
29	1692.7	261.9	0.2	0
30	1692.8	262.9	0.1	0
TOTAL			5.8	0
Inf. Ac. Ft.			11.5	
Outf. Ac. Ft.			0 + (6.0)	
Max. Mean Daily Inf.			0.3 cfs	
Min. Mean Daily Inf.			0.1 cfs	
Storage Change			5.4 A.F.	

Max. W.S. Elev. 1692.8 feet on 9/30/70 Storage 262.9 Acre-Feet
Min. W.S. Elev. 1676.7 feet on 11/26/69 Storage 112.8 Acre-Feet
Max. Peak Inf. 91 CFS from 11:00 p.m. on 2/28/70 to 12:00 mid. on
Max. Peak Outf. 14 CFS from 2:00 p.m. on 3/1/70 to 2:45 p.m. on 3/1/70

REMARKS: [indicates average for period
( ) indicates evaporation losses

5.6 acre-feet gain in December due to storages table change. Revised survey of December 1969 indicates capacity at spillway elevation to be 461.3 acre-feet.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG DALTON DAM

1970-71

DRAINAGE AREA 4.48 SQ. MI.
CAPACITY OF RESERVOIR 681.8 AC. FT.
at SPILLWAY ELEVATION 1706.0 FT.,
as of December, 19 69.

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1692.8	262.9	0.2	0
2	1692.8	262.9	0.2	0
3	1692.8	262.9	0.2	0
4	1692.8	262.9	0.2	0
5	1692.8	262.9	0.2	0
6	1692.8	262.9	0.2	0
7	1692.9	264.0	0.2	0
8	1692.9	264.0	0.2	0
9	1692.9	264.0	0.2	0
10	1693.0	265.1	0.2	0
11	1693.0	265.1	0.2	0
12	1693.0	265.1	0.2	0
13	1693.0	265.1	0.2	0
14	1693.0	265.1	0.2	0
15	1693.1	266.3	0.2	0
16	1693.1	266.3	0.2	0
17	1693.1	266.3	0.2	0
18	1693.2	267.4	0.2	0
19	1693.2	267.4	0.2	0
20	1693.2	267.4	0.2	.1
21	1693.2	267.4	0.2	.1
22	1693.2	267.4	0.2	.1
23	1693.3	268.6	0.2	.1
24	1693.3	268.6	0.2	.1
25	1693.4	269.8	0.3	.1
26	1693.4	268.6	0.3	.1
27	1693.4	269.8	0.3	.1
28	1693.4	269.8	0.3	.1
29	1693.4	269.8	0.3	.1
30	1693.5	270.9	0.3	0
31	1693.5	270.9	0.3	0
TOTAL			6.9	1.0
Inf. Ac. Ft.			13.8	
Outf. Ac. Ft.			2.9 + (3.8)	
Max. Mean Daily Inf.			0.3 cfs	
Min. Mean Daily Inf.			0.2 cfs	
Storage Change			8.0 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1693.5	270.9	0.3	0
2	1693.6	272.1	0.3	0
3	1693.6	272.1	0.3	0
4	1693.7	273.2	0.3	0
5	1693.7	273.2	0.3	0
6	1693.7	273.2	0.3	0
7	1693.7	273.2	0.3	0
8	1693.7	273.2	0.3	0
9	1693.7	273.2	0.3	0
10	1693.8	274.4	0.3	0
11	1693.8	274.4	0.3	0
12	1693.8	274.4	0.3	0
13	1693.8	274.4	0.3	0
14	1693.9	275.5	0.3	0
15	1693.9	275.5	0.3	.1
16	1693.9	275.5	0.3	.1
17	1694.0	276.7	0.3	.1
18	1694.0	276.7	0.3	.1
19	1694.0	276.7	0.3	.1
20	1694.0	276.7	0.3	.1
21	1694.0	276.7	0.3	.1
22	1694.0	276.7	0.3	.1
23	1694.1	277.9	0.2	.1
24	1694.1	277.9	0.2	.1
25	1694.1	277.9	0.2	.1
26	1694.2	279.1	0.2	.1
27	1694.3	280.4	0.2	.1
28	1694.6	284.1	2.2	.3
29	1695.2	291.6	10.0	5.2
30	1691.6	250.0	1.1	22.0
31				
TOTAL			20.8	29.8
Inf. Ac. Ft.			41.2	
Outf. Ac. Ft.			59.1 + (3.0)	
Max. Mean Daily Inf.			10.0 cfs	
Min. Mean Daily Inf.			0.2 cfs	
Storage Change			-20.8 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1687.3	208.1	0.8	22.0
2	1685.3	190.1	1.1	10.2
3	1685.7	193.6	1.9	.1
4	1686.0	196.3	0.9	.1
5	1686.1	197.2	0.9	0
6	1686.4	199.9	0.9	0
7	1686.5	200.8	0.9	0
8	1686.7	202.6	0.9	0
9	1687.0	205.3	0.9	0
10	1687.2	207.1	0.9	0
11	1687.3	208.1	0.8	0
12	1687.4	209.0	0.8	.1
13	1687.5	209.9	0.8	.1
14	1687.7	211.8	1.1	.1
15	1687.9	213.6	1.1	.1
16	1688.2	216.5	1.1	.1
17	1688.5	219.4	1.1	.1
18	1688.7	221.2	1.0	.1
19	1689.7	230.8	4.9	.1
20	1690.4	237.7	3.5	.3
21	1691.2	267.4	21.8	6.8
22	1693.5	288.6	8.0	7.4
23	1694.1	277.9	5.2	.5
24	1694.8	286.5	4.7	.3
25	1695.2	291.6	2.9	.3
26	1695.6	296.8	2.9	.3
27	1696.0	302.0	2.9	.3
28	1696.3	306.1	3.4	.3
29	1696.3	306.1	2.7	5.4
30	1695.0	289.0	2.6	8.0
31	1694.2	279.1	2.6	8.0
TOTAL			86.4	71.1
Inf. Ac. Ft.			171.4	
Outf. Ac. Ft.			141.0 + (1.3)	
Max. Mean Daily Inf.			21.8 cfs	
Min. Mean Daily Inf.			0.8 cfs	
Storage Change			29.1 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1693.5	288.6	2.0	8.0
2	1692.5	257.5	2.0	8.0
3	1691.4	247.9	2.0	8.0
4	1691.0	243.8	2.0	4.4
5	1690.6	239.8	2.0	3.5
6	1690.3	236.7	2.1	3.5
7	1689.9	232.8	2.1	3.5
8	1689.7	230.8	2.1	2.8
9	1689.6	229.8	2.1	2.6
10	1689.6	229.8	2.1	1.7
11	1689.6	229.8	2.2	1.7
12	1690.0	233.7	2.2	1.7
13	1690.3	236.7	2.2	1.7
14	1690.3	236.7	2.2	1.7
15	1690.4	237.7	2.2	1.7
16	1690.4	237.7	2.2	1.7
17	1690.4	237.7	2.2	1.7
18	1690.5	238.8	2.2	1.7
19	1690.5	238.8	2.1	1.7
20	1690.5	238.8	2.1	1.7
21	1690.4	237.7	1.6	1.7
22	1690.5	238.8	1.6	1.7
23	1690.5	238.8	1.5	1.7
24	1690.5	238.8	1.6	1.7
25	1690.4	237.7	1.6	1.7
26	1690.4	237.7	1.6	1.7
27	1690.4	237.7	1.6	1.7
28	1690.4	237.7	1.6	1.7
29	1690.5	238.8	1.6	1.7
30	1690.3	236.7	1.6	1.7
31	1690.2	235.7	1.2	1.7
TOTAL			59.8	80.7
Inf. Ac. Ft.			118.7	
Outf. Ac. Ft.			160.0 + (2.0)	
Max. Mean Daily Inf.			2.2 cfs	
Min. Mean Daily Inf.			1.5 cfs	
Storage Change			-43.4 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1690.1	234.7	1.4	1.7
2	1690.0	233.7	1.4	1.7
3	1689.9	232.8	1.4	1.7
4	1689.9	232.8	1.3	1.7
5	1689.9	232.8	1.3	1.7
6	1689.8	231.8	1.3	1.7
7	1689.7	230.8	1.3	1.7
8	1689.6	229.8	1.3	1.7
9	1689.5	228.9	1.3	1.7
10	1689.4	227.9	1.3	1.7
11	1689.4	227.9	1.6	1.7
12	1689.3	226.9	1.6	1.7
13	1689.3	226.9	1.6	1.7
14	1689.3	226.9	1.6	1.7
15	1689.2	226.0	1.6	1.7
16	1689.1	225.0	1.5	1.8
17	1689.1	225.0	1.5	1.8
18	1689.0	224.0	1.5	1.8
19	1689.0	224.0	1.5	1.8
20	1689.1	225.0	1.2	1.8
21	1689.1	225.0	1.2	1.8
22	1689.1	225.0	1.2	1.8
23	1689.1	225.0	1.2	1.8
24	1689.1	225.0	1.2	.1
25	1689.1	225.0	1.2	.1
26	1689.2	226.0	1.1	.1
27	1689.4	227.9	1.1	.1
28	1689.6	229.8	1.1	.1
TOTAL			37.8	39.9
Inf. Ac. Ft.			75.1	
Outf. Ac. Ft.			79.1 + (1.9)	
Max. Mean Daily Inf.			1.6 cfs	
Min. Mean Daily Inf.			1.1 cfs	
Storage Change			-5.8 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1689.8	231.8	1.0	.1
2	1690.0	233.7	1.0	.1
3	1690.2	235.7	1.0	.1
4	1690.4	237.7	1.0	.1
5	1690.5	238.8	0.9	.1
6	1690.7	240.8	0.9	.1
7	1690.8	241.8	0.9	.1
8	1691.0	243.8	0.9	.1
9	1691.1	244.8	0.9	.1
10	1691.2	245.9	0.9	.1
11	1691.4	247.9	1.2	0
12	1691.6	250.0	1.2	0
13	1691.8	252.1	1.2	.1
14	1692.0	254.2	1.2	.1
15	1692.3	257.4	1.2	.1
16	1692.5	259.7	1.2	.1
17	1692.7	261.9	1.2	.1
18	1692.9	264.0	1.2	.1
19	1693.0	265.1	1.2	.1
20	1693.2	267.4	1.2	.1
21	1693.3	268.6	0.8	.1
22	1693.5	270.9	0.7	.1
23	1693.6	272.1	0.7	0
24	1693.7	273.2	0.7	0
25	1693.8	274.4	0.7	0
26	1693.9	275.5	0.7	0
27	1694.0	276.7	0.7	0
28	1694.1	277.9	0.7	0
29	1694.2	279.1	0.7	0
30	1694.3	280.4	0.7	0
31	1694.4	281.5	0.7	0
TOTAL			29.2	1.9
Inf. Ac. Ft.			58.0	
Outf. Ac. Ft.			3.7 + (2.5)	
Max. Mean Daily Inf.			1.2 cfs	
Min. Mean Daily Inf.			0.7 cfs	
Storage Change			51.7 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1694.5	282.8	0.6	0
2	1694.5	282.8	0.6	.1
3	1694.6	284.1	0.6	.1
4	1694.7	285.3	0.6	.1
5	1694.8	286.5	0.6	.1
6	1694.9	287.8	0.6	.1
7	1695.0	289.0	0.6	.1
8	1695.0	289.0	0.6	.1
9	1695.1	290.3	0.5	.1
10	1695.1	290.3	0.5	.1
11	1695.2	291.6	0.5	.1
12	1695.2	291.6	0.5	.1
13	1695.3	292.9	0.5	.1
14	1695.3	292.9	0.5	.1
15	1695.4	294.2	0.5	0
16	1695.4	294.2	0.5	0
17	1695.4	294.2	0.5	0
18	1695.5	295.5	0.5	0
19	1694.5	280.4	0.5	8.1
20	1692.3	257.5	2.0	14.0
21	1689.1	225.0	2.0	13.0
22	1687.8	212.7	2.0	13.0
23	1685.2	189.2	2.0	13.0
24	1682.7	167.5	2.0	13.0
25	1680.1	145.8	2.0	12.0
26	1672.9	89.7	2.0	11.0
27	1670.8	74.5	2.0	11.0
28	1667.9	54.5	2.0	11.7
TOTAL			32.3	145.1
Inf. Ac. Ft.			64.1	
Outf. Ac. Ft.			287.8 + (3.4)	
Max. Mean Daily Inf.			2.0 cfs	
Min. Mean Daily Inf.			0.5 cfs	
Storage Change			-227.1 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1662.1		2.0	12.2
2	1658.0	0	2.0	12.2
3	1658.0	0	2.0	
4				
5				
6				
7				
8				
9				
10				
11	1658.0	0	2.0	2.0
12	1658.0	0	2.0	2.0
13	1658.0	0	2.0	2.0
14	1658.0	0	2.0	2.0
15	1658.0	0	2.0	2.0
16	1658.0	0	2.0	2.0
17	1658.0	0	2.0	2.0
18	1658.0	0	2.0	2.0
19	1658.0	0	2.0	2.0
20	1658.0	0	2.0	2.0
21	1658.0	0	2.0	2.0
22	1658.0	0	2.0	2.0
23	1658.0	0	2.0	2.0
24	1658.0	0	2.0	2.0
25	1658.0	0	2.0	2.0
26	1658.0	0	2.0	2.0
27	1658.0	0	2.0	2.0
28	1658.0	0	2.0	2.0
29	1658.0	0	2.0	2.0
30	1658.0	0	2.0	2.0
31				
TOTAL			50.0	50.0
Inf. Ac. Ft.			119.0	
Outf. Ac. Ft.			119.0 + (.0)	
Max. Mean Daily Inf.			2.0 cfs	
Min. Mean Daily Inf.			2.0 cfs	
Storage Change			0 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1658.0	0	2.0	2.0
2	1658.0	0	2.0	2.0
3	1658.0	0	2.0	2.0
4	1658.0	0	2.0	2.0
5	1658.0	0	2.0	2.0
6	1658.0	0	2.0	2.0
7	1658.0	0	2.0	2.0
8	1658.0	0	2.0	2.0
9	1658.0	0	2.0	2.0
10	1658.0	0	2.0	2.0
11	1658.0	0	2.0	2.0
12	1658.0	0	2.0	2.0
13	1658.0	0	2.0	2.0
14	1658.0	0	2.0	2.0
15	1658.0	0	2.0	2.0
16	1658.0	0	2.0	2.0
17	1658.0	0	2.0	2.0
18	1658.0	0	2.0	2.0
19	1658.0	0	2.0	2.0
20	1658.0	0	2.0	2.0
21	1658.0	0	2.0	2.0
22	1658.0	0	2.0	2.0
23	1658.0	0	2.0	2.0
24	1658.0	0	2.0	2.0
25	1658.0	0	2.0	2.0
26	1658.0	0	2.0	2.0
27	1658.0	0	2.0	2.0
28	1658.0	0	2.0	2.0
29	1658.0	0	2.0	2.0
30	1658.0	0	2.0	2.0
TOTAL			60.0	60.0
Inf. Ac. Ft.			119.0	
Outf. Ac. Ft.			119.0 + (.0)	
Max. Mean Daily Inf.			2.0 cfs	
Min. Mean Daily Inf.			2.0 cfs	
Storage Change			0 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1656.0	0	1.0	1.0
2	1656.0	0	1.0	1.0
3	1656.0	0	1.0	1.0
4	1656.0	0	1.0	1.0
5	1656.0	0	1.0	1.0
6	1656.0	0	.8	.8
7	1656.0	0	.8	.8
8	1656.0	0	.8	.8
9	1656.0	0	.8	.8
10	1656.0	0	.8	.8
11	1656.0	0	.7	.7
12	1656.0	0	.7	.7
13	1656.0	0	.6	.6
14	1656.0	0	.6	.6
15	1656.0	0	.6	.6
16	1656.0	0	.5	.5
17	1656.0	0	.5	.5
18	1656.0	0	.5	.5
19	1656.0	0	.4	.4
20	1656.0	0	.4	.4
21	1656.0	0	.4	.4
22	1656.0	0	.4	.4
23	1656.0	0	.4	.4
24	1656.0	0	.4	.4
25	1656.0	0	.4	.4
26	1656.0	0	.4	.4
27	1656.0	0	.4	.4
28	1656.0	0	.4	.4
29	1656.0	0	.4	.4
30	1656.0	0	.4	.4
31	1656.0	0	.4	.4
TOTAL			18.9	18.9
Inf. Ac. Ft.			37.4	
Outf. Ac. Ft.			37.4 + (.0)	
Max. Mean Daily Inf.			1.0 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			0 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1656.0	0	.4	.4
2	1656.0	0	.4	.4
3	1656.0	0	.4	.4
4	1656.0	0	.4	.4
5	1656.0	0	.3	.3
6	1656.0	0	.3	.3
7	1656.0	0	.3	.3
8	1656.0	0	.3	.3
9	1656.0	0	.3	.3
10	1656.0	0	.2	.2
11	1656.0	0	.2	.2
12	1656.0	0	.2	.2
13	1656.0	0	.2	.2
14	1656.0	0	.2	.2
15	1656.0	0	.2	.2
16	1656.0	0	.3	.3
17	1656.0	0	.3	.3
18	1656.0	0	.3	.3
19	1656.0	0	.3	.3
20	1656.0	0	.4	.4
21	1656.0	0	.4	.4
22	1656.0	0	.4	.4
23	1656.0	0	.4	.4
24	1656.0	0	.4	.4
25	1656.0	0	.4	.4
26	1656.0	0	.4	.4
27	1656.0	0	.4	.4
28	1656.0	0	.4	.4
29	1656.0	0	.4	.4
30	1656.0	0	.4	.4
31	1656.0	0	.4	.4
TOTAL			10.3	10.3
Inf. Ac. Ft.			20.4	
Outf. Ac. Ft.			20.4 + (.0)	
Max. Mean Daily Inf.			.4 cfs	
Min. Mean Daily Inf.			.2 cfs	
Storage Change			0 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1656.0	0	.4	.4
2	1656.0	0	.4	.4
3	1656.0	0	.4	.4
4	1656.0	0	.4	.4
5	1656.0	0	.4	.4
6	1656.0	0	.4	.4
7	1656.0	0	.4	.4
8	1655.0	0	.3	.3
9	1655.0	0	.3	.3
10	1656.0	0	.3	.3
11	1656.0	0	.2	.2
12	1656.0	0	.2	.2
13	1656.0	0	.2	.2
14	1656.0	0	.1	.1
15	1656.0	0	.1	.1
16	1656.0	0	.1	.1
17	1656.0	0	.1	.1
18	1656.0	0	.1	.1
19	1656.0	0	.1	.1
20	1656.0	0	.1	.1
21	1656.0	0	.2	.2
22	1656.0	0	.2	.2
23	1656.0	0	.2	.2
24	1656.0	0	.2	.2
25	1656.0	0	.2	.2
26	1656.0	0	.2	.2
27	1656.0	0	.2	.2
28	1656.0	0	.2	.2
29	1656.0	0	.2	.2
30	1656.0	0	.2	.2
31				
TOTAL			6.9	6.9
Inf. Ac. Ft.			13.6	
Outf. Ac. Ft.			13.6 + (.0)	
Max. Mean Daily Inf.			.4 cfs	
Min. Mean Daily Inf.			.1 cfs	
Storage Change			0 A.F.	

Max. W.S. Elev. 1696.3 feet on 12/28-29/70 Storage 306.1 Acre-Feet
Min. W.S. Elev. 1656.0 feet on various days Storage 0 Acre-Feet
Max. Week Inf. 4.5 CFS from 9:00 A.M. on 12/21 to 9:00 A.M. on 12/21/71
Max. Week Outf. 4.7 CFS from 9:31 A.M. on 5/2/71 to 10:00 A.M. on 5/2/71

REMARKS: [ ] indicates average for period
( ) indicates evaporation losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG DALTON DAM

1971-72

DRAINAGE AREA 4.49 SQ. MI.
CAPACITY OF RESERVOIR 980.4 AC. FT.,
at SPILLWAY ELEVATION 1708.0 FT.,
as of January 1, 19 72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0	1617.0	0	+	+	1646.5	84.2	2.2	0	1
2			0	0			0	0	1617.0	0	-	+	1645.9	85.4	1.2	0	2
3			0	0			0	0	1617.0	0	+	=	1646.3	87.7	1.2	0	3
4			0	0			0	0	1617.0	0	+	+	1646.7	90.1	1.2	0	4
5			0	0			0	0	1617.0	0	=	+	1647.0	91.3	.9	0	5
6			0	0			0	0	1617.0	0	+	+	1647.3	93.7	.9	0	6
7			0	0			0	0	1617.0	0	+	+	1647.6	95.5	.8	0	7
8			0	0			0	0	1617.0	0	+	+	1647.9	97.4	.8	0	8
9			0	0			0	0	1617.0	0	+	+	1648.2	98.0	.8	0	9
10			0	0			0	0	1617.0	0	+	+	1648.3	99.9	.8	0	10
11			0	0			0	0	1617.0	0	+	+	1648.5	101.2	.7	0	11
12			0	0			0	0	1617.0	0	+	+	1648.8	103.6	.7	0	12
13			0	0			0	0	1617.0	0	+	+	1649.0	104.5	.7	0	13
14			0	0			0	0	1617.0	+	+	+	1649.2	105.8	.7	0	14
15			0	0			0	0	1617.0	+	+	0	1649.4	107.2	.7	0	15
16			0	0			0	0	1617.0	+	+	0	1649.6	108.5	.7	0	16
17			0	0			0	0	1617.0	+	+	0	1649.8	109.9	.7	0	17
18			0	0			0	0	1617.0	+	+	0	1649.9	110.6	.7	0	18
19			0	0			0	0	1617.0	+	+	0	1650.1	112.0	.7	0	19
20			0	0			0	0	1617.0	+	+	0	1650.3	113.4	.7	0	20
21			0	0			0	0	1617.0	+	+	0	1650.4	114.1	.6	0	21
22			0	0			0	0	1617.0	+	+	0	1650.6	115.6	.6	0	22
23			0	0			0	0	1621.5	2.6	1.3	0	1650.7	116.3	.6	0	23
24			0	0			0	0	1625.0	7.9	2.7	0	1650.9	117.7	.6	0	24
25			0	0			0	0	1630.6	20.9	6.6	0	1651.1	119.2	.6	0	25
26			0	0			0	0	1636.0	38.4	8.8	0	1651.3	120.7	.6	0	26
27			0	0			0	0	1640.7	58.4	10.1	0	1651.4	121.4	.5	0	27
28			0	0			0	0	1642.1	65.2	3.4	0	1651.5	122.2	.5	0	28
29			0	0			0	0	1643.2	70.8	2.8	0	1651.7	123.7	.5	0	29
30			0	0			0	0	1644.0	75.0	2.2	0	1651.8	124.4	.5	0	30
31			0	0			0	0	1644.7	78.7	1.3	0	1651.9	125.2	.5	0	31
TOTAL			0	0			0	0			39.7	+			24.0	0	
Inf. Ac. Ft.			0				0				78.7				47.6		
Outf. Ac. Ft.			0				0				2.7 + (.1)				0 + (1.1)		
Max. Mean Daily Inf.			0				0				10.1 cfs				2.2 cfs		
Min. Mean Daily Inf.			0				0				0 cfs				.5 cfs		
Storage Change			0				0				78.7 A.F.				46.4 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1652.1	126.7	.6	0	1655.1	151.0	.4	0	1657.2	169.6	.3	0	1658.3	179.8	.2	0	1
2	1652.2	127.5	.6	0	1655.2	151.9	.4	0	1657.2	169.6	.3	0	1658.3	179.8	.2	0	2
3	1652.3	128.3	.6	0	1655.3	152.7	.4	0	1657.3	170.5	.2	0	1658.3	179.8	.2	0	3
4	1652.5	129.8	.5	0	1655.4	153.6	.4	0	1657.3	170.5	.2	0	1658.3	179.8	.2	0	4
5	1652.6	130.5	.5	0	1655.5	154.5	.4	0	1657.4	171.4	.2	0	1658.4	180.8	.2	0	5
6	1652.7	131.4	.5	0	1655.5	154.5	.4	0	1657.4	171.4	.2	0	1658.4	180.8	.2	0	6
7	1652.8	132.2	.5	0	1655.6	155.3	.4	0	1657.4	171.4	.2	0	1658.4	180.8	.2	0	7
8	1652.9	132.9	.5	0	1655.6	155.3	.4	0	1657.4	171.4	.2	0	1658.4	180.8	.2	0	8
9	1653.2	134.5	.5	0	1655.7	156.2	.4	0	1657.5	172.4	.2	0	1658.5	181.8	.2	0	9
10	1653.2	135.3	.5	0	1655.8	157.1	.4	0	1657.5	172.4	.2	0	1658.5	181.8	.2	0	10
11	1653.3	136.1	.5	0	1655.9	157.9	.4	0	1657.6	173.3	.2	0	1658.5	181.8	.2	0	11
12	1653.4	136.9	.5	0	1655.9	157.9	.4	0	1657.6	173.3	.2	0	1658.5	181.8	.2	0	12
13	1653.5	137.8	.5	0	1656.0	158.8	.4	0	1657.7	174.2	.2	0	1658.5	181.7	.2	0	13
14	1653.6	138.6	.5	0	1656.1	159.7	.4	0	1657.7	174.2	.2	0	1658.6	182.7	.2	0	14
15	1653.7	139.4	.5	0	1656.2	160.6	.4	0	1657.7	174.2	.2	0	1658.6	182.7	.2	0	15
16	1653.9	141.0	.5	0	1656.2	160.6	.3	0	1657.8	175.1	.2	0	1658.6	182.7	.2	0	16
17	1654.0	141.8	.5	0	1656.3	161.5	.3	0	1657.8	175.1	.2	0	1658.6	182.7	.2	0	17
18	1654.1	142.6	.5	0	1656.3	161.5	.3	0	1657.9	176.1	.5	0	1658.7	183.7	.2	0	18
19	1654.2	143.5	.5	0	1656.4	162.4	.3	0	1658.0	177.0	.4	0	1658.7	183.7	.2	0	19
20	1654.3	144.3	.4	0	1656.5	163.3	.3	0	1658.0	177.0	.2	0	1658.7	183.7	.2	0	20
21	1654.4	145.1	.4	0	1656.6	164.2	.3	0	1658.0	177.0	.2	0	1658.7	183.7	.2	0	21
22	1654.4	145.1	.4	0	1656.6	164.2	.3	0	1658.0	177.0	.2	0	1658.8	184.6	.2	0	22
23	1654.5	146.0	.4	0	1656.7	165.1	.3	0	1658.0	177.0	.2	0	1658.8	184.6	.2	0	23
24	1654.6	146.8	.4	0	1656.8	166.0	.3	0	1658.0	177.0	.2	0	1658.8	184.6	.2	0	24
25	1654.7	147.6	.4	0	1656.8	166.0	.3	0	1658.2	178.9	.2	0	1658.8	184.6	.2	0	25
26	1654.8	148.5	.3	0	1656.8	166.0	.3	0	1658.2	178.9	.2	0	1658.9	185.6	.2	0	26
27	1654.8	148.5	.3	0	1656.9	166.9	.3	0	1658.2	178.9	.2	0	1658.9	185.6	.1	0	27
28	1654.9	149.3	.3	0	1657.0	167.8	.3	0	1658.2	179.8	.2	0	1658.9	185.6	.1	0	28
29	1655.0	150.2	.3	0	1657.2	167.8	.3	0	1658.2	179.8	.2	0	1658.9	185.6	.1	0	29
30					1657.1	168.7	.3	0	1658.3	179.8	.2	0	1659.0	186.5	.1	0	30
31					1657.2	169.6	.3	0					1659.0	186.5	.1	0	31
TOTAL			13.4	0			10.8	0			6.7	0			5.7	0	
Inf. Ac. Ft.			26.6				21.5				13.4				11.4		
Outf. Ac. Ft.			0 + (1.6)				0 + (2.1)				0 + (3.2)				0 + (4.7)		
Max. Mean Daily Inf.			.6 cfs				.4 cfs				.5 cfs				.2 cfs		
Min. Mean Daily Inf.			.3 cfs				.3 cfs				.2 cfs				.1 cfs		
Storage Change			24.9 A.F.				19.4 A.F.				10.2 A.F.				0.6 A.F.		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1659.0	186.5	.1	0	1658.8	184.6		0	1
2	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1659.0	186.5	.1	0	1658.8	184.6		0	2
3	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1659.0	186.5	.1	0	1658.8	184.6		0	3
4	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1659.0	186.5	.1	0	1658.8	184.6		0	4
5	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1659.0	186.5	.1	0	1658.8	184.6		0	5
6	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	6
7	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	7
8	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	8
9	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	9
10	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	10
11	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	11
12	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	12
13	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	13
14	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	14
15	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	15
16	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	16
17	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	.1	0	1658.8	184.6		0	17
18	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	+	0	1658.8	184.6		0	18
19	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	+	0	1658.8	184.6		0	19
20	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.9	185.5	=	0	1658.8	184.6		0	20
21	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.8	184.6	-	0	1658.8	184.6		0	21
22	1659.1	187.5	.1	0	1659.1	187.5	.1	0	1658.8	184.6	=	0	1658.8	184.6		0	22
23	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.8	184.6	+	0	1658.8	184.6		0	23
24	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.8	184.6	+	0	1658.8	184.6		0	24
25	1659.0	186.5	.1	0	1659.1	187.5	.1	0	1658.8	184.6	+	0	1658.8	184.6		0	25
26	1659.0	186.5	+	0	1659.1	187.5	.1	0	1658.8	184.6	+	0	1658.8	184.6		0	26
27	1659.1	187.5	+	0	1659.1	187.5	.1	0	1658.8	184.6	+	0	1658.8	184.6		0	27
28	1659.1	187.5	+	0	1659.0	186.5	+	0	1658.8	184.6	+	0	1658.8	184.6		0	28
29	1659.1	187.5	+	0	1659.0	186.5	+	0	1658.8	184.6	+	0	1658.8	184.5		0	29
30	1659.2	187.5	+	0	1659.0	186.5	+	0	1658.8	184.6	+	0	1658.8	184.4		0	30
31					1659.0	186.5	+	0	1658.8	184.6	+	0					31
TOTAL			2.5	0			2.7	0			1.7	0			1.8	0	
Inf. Ac. Ft.			5.0				5.4				3.4				3.6		
Outf. Ac. Ft.			0 + (4.0)				0 + (6.4)				0 + (5.4)				0 + (3.6)		
Max. Mean Daily Inf.			.1				.1				.1				.1		
Min. Mean Daily Inf.			+				+				+				+		
Storage Change			-1.0				-1.0				-1.9				0		

Max. W.S. Elev. 1659.1 feet on Various Days Storage 187.5 Acre-Feet
Min. W.S. Elev. 1617.0 feet on Various Days Storage 0 Acre-Feet
Max. Peak Inf. 10.9 CFS from 12:00 Noon on 12/27/71 at 4:00 P.M. on 12/27/71
Max. Peak Outf. + CFS from ---- on Various Days at ---- on ----

REMARKS: [ ] Indicates average for period.
( ) Indicates evaporation losses.
Elevations for 12/22 - 12/25 estimated. Storage pool did not reach gage boards for recorder stilling well until 12/27/71.

SAN DIMAS DAM
AND RESERVOIR

drainage area

PURPOSE - Flood Control and Conservation

DATE CONSTRUCTED -
Started November 1920 - Completed September 1922

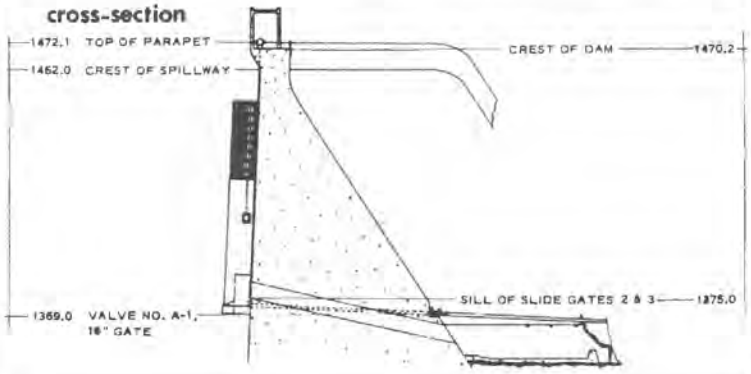
LOCATION – 3.0 miles northeast of San Dimas

DRAINAGE AREA - 16.2 square miles

CAPACITY - 1,515 acre-feet

SPILLWAY ELEVATION - 1,462.0 feet

cross-section



SAN DIMAS DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1928-29	N.D.	N.D.	0	N.D.			N.D.
1929-30	591	28	0	573			N.D.
1930-31	585	23	0	466			N.D.
1931-32	2502	162	0	2496			N.D.
1932-33	652	50	0	648			N.D.
1933-34	1351	229	0	1357	1	1	422
1934-35	1753	60	0	1682	4	8	145
1935-36	1094	35	0	1136	2	11	155
1936-37	6316	154	0	6126	2	6	296
1937-38	12492	1600	0.4	12494	3	2	4920
1938-39	2165	43	0.2	2024	1	5	80
1939-40	1532	60	0	1600	1	8	302
1940-41	9645	131	0.1	9240	3	4	235
1941-42	1603	16	0.2	1855	12	10	29
1942-43	9271	573	0.5	9095	1	23	1700
1943-44	5348	398	0.1	5423	2	22	785
1944-45	3747	97	0.9	3811	11	11	375
1945-46	2560	149	0.1	2368	12	23	519
1946-47	2705	100	0.1	2982	11	20	340
1947-48	720	10	0	706	2	5	15
1948-49	728	11	0.1	694	1	20	19
1949-50	734	25	0.1	750	12	18	65
1950-51	300	5.3	0.1	301	4	29	16
1951-52	4864	208	0.1	4593	1	16	453
1952-53	822	9.8	0.1	1092	12	1	25
1953-54	1514	97	0.1	1501	1	25	327
1954-55	561	11	0.1	526	1	18	27
1955-56	736	98	0.1	767	1	26	362
1956-57	452	12	0.1	433	1	13	41
1957-58	6786	299	0	6503	4	3	753
1958-59	931	37	0.1	1239	2	16	189
1959-60	408	6.7	0.1	455	2	8	11
1960-61	468	31	0.1	250	11	5	397
1961-62	3206	224	*	2664	11	20	2520
1962-63	1001	81	0.1	1108	2	9	440
1963-64	680	20	0.1	711	1	22	121
1964-65	1118	53	0	1175	4	9	232
1965-66	6494	305	0.2	6326	12	29	1010
1966-67	12352	674	0	11598	12	6	1720
1967-68	3148	80	0.1	3058	11	19	414
1968-69	28645	1710	0.7	28808	1	25	3620
1969-70	4314	71	0.7	4736	3	1	114
1970-71	2465	70	0.5	2125	11	29	127
1971-72	1040	33	0.2	1217	12	24	77

N.D. = NOT DETERMINED
* = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN DIMAS DAM

1969-70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 4.42 SQ. MI.
CAPACITY OF RESERVOIR 452.0 AC. FT.
at SPILLWAY ELEVATION 1706.0 FT.
as of March, 19 62

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1451.3	433.8	6.3	.4	1432.1	144.9	6.2	17.9
2	1451.7	443.4	6.3	.4	1431.8	142.5	6.2	3.5
3	1452.2	455.4	6.3	.5	1432.0	144.1	6.2	5.2
4	1452.7	467.6	6.3	.5	1432.4	147.5	5.1	3.0
5	1453.2	479.2	6.3	.5	1433.0	152.5	5.1	2.8
6	1453.6	489.9	6.3	.5	1434.6	167.6	10.3	2.8
7	1454.0	499.8	6.3	.5	1436.6	188.1	13.0	2.8
8	1454.4	510.0	6.4	.6	1437.3	195.2	5.7	2.8
9	1454.8	520.2	6.4	.6	1438.0	203.5	5.7	2.8
10	1455.2	530.5	6.4	.7	1438.6	210.5	5.7	2.6
11	1455.6	540.9	6.4	.8	1439.0	215.2	5.7	2.6
12	1456.0	551.3	6.4	.8	1439.5	221.3	5.7	2.6
13	1456.4	562.0	6.4	.7	1439.9	226.1	5.7	2.6
14	1456.8	572.6	6.4	.7	1440.4	232.4	5.7	2.6
15	1456.6	567.3	6.4	9.2	1440.9	238.8	5.7	2.6
16	1455.4	535.7	6.4	23.0	1441.3	245.6	5.7	2.6
17	1454.0	499.8	6.4	23.0	1441.8	250.8	5.7	2.6
18	1452.6	465.1	6.4	23.0	1441.9	252.1	5.7	5.3
19	1451.1	429.1	6.4	23.0	1441.8	250.8	5.7	7.0
20	1449.6	394.5	6.4	22.0	1441.6	248.1	5.7	7.0
21	1448.2	363.5	6.4	22.0	1441.4	245.4	5.7	7.0
22	1447.3	344.6	6.4	15.5	1441.2	242.7	5.7	6.5
23	1446.4	326.5	6.4	16.4	1441.1	241.4	5.6	6.5
24	1445.1	302.0	6.4	18.8	1440.9	238.8	5.6	6.5
25	1443.6	277.0	6.4	20.0	1440.7	236.2	5.6	6.5
26	1441.9	252.1	6.4	20.0	1440.6	235.0	5.6	6.5
27	1440.2	229.9	6.4	20.0	1440.4	232.4	5.6	6.5
28	1439.6	222.5	6.4	11.0	1440.3	231.2	5.6	6.2
29	1438.6	208.2	6.4	14.9	1440.1	228.6	5.6	5.2
30	1436.4	186.0	6.4	19.5	1440.0	227.3	5.6	6.5
31	1434.2	163.7	6.4	19.5				
TOTAL			197.7	238.0			184.6	157.6
Inf. Ac. Ft.	392.2				366.3			
Outf. Ac. Ft.	650.5				302.6			
Max. Mean Daily Inf.	6.4 cfs				13.0 cfs			
Min. Mean Daily Inf.	6.3 cfs				5.6 cfs			
Storage Change	-258.3 A.F.				63.7 A.F.			

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1440.0	227.3	6.0	5.6	1434.4	165.6	5.4	7.0
2	1439.9	226.1	6.0	5.8	1434.2	163.7	5.4	7.0
3	1439.7	223.7	6.0	6.5	1433.9	160.8	5.4	7.0
4	1439.5	221.3	6.0	7.0	1433.7	159.0	5.4	6.5
5	1439.3	218.8	6.0	7.0	1433.4	156.3	5.4	6.5
6	1439.1	216.4	6.0	7.0	1433.2	154.5	5.4	6.5
7	1438.8	212.9	6.0	7.0	1432.9	151.8	5.4	6.5
8	1438.6	210.5	6.0	7.0	1433.0	152.6	5.3	4.6
9	1438.5	209.4	6.0	7.0	1433.9	160.8	5.3	.7
10	1438.4	208.2	6.0	7.0	1435.0	171.4	6.0	.7
11	1438.3	207.0	6.0	7.0	1436.0	181.7	5.9	.7
12	1438.1	204.7	6.0	7.0	1436.8	190.3	5.0	.7
13	1438.0	203.5	6.0	7.0	1437.6	199.1	5.3	.7
14	1437.8	201.3	6.0	7.0	1438.4	208.2	5.3	.7
15	1437.6	199.1	6.0	7.0	1439.1	216.4	4.8	.7
16	1437.4	196.9	6.0	7.0	1440.1	228.5	7.1	.9
17	1437.2	194.6	6.0	7.0	1440.9	238.8	6.0	.9
18	1437.0	192.4	6.0	7.0	1441.6	248.1	5.6	.9
19	1436.9	190.3	6.0	7.0	1442.2	256.3	5.6	.9
20	1436.7	189.2	5.9	7.0	1442.8	264.9	5.6	.9
21	1436.6	188.1	5.9	7.0	1443.4	273.9	5.6	.9
22	1436.5	187.0	5.9	7.0	1444.0	283.2	5.6	.8
23	1436.3	184.9	5.9	7.0	1444.6	293.4	5.5	.8
24	1436.1	182.8	5.9	7.0	1445.2	303.8	5.6	.8
25	1436.0	181.7	5.9	7.0	1445.7	313.1	5.5	.8
26	1435.8	179.6	5.9	7.0	1446.2	322.6	5.5	.8
27	1435.6	177.6	5.9	7.0	1446.7	332.5	5.5	.8
28	1435.4	175.5	5.9	7.0	1447.2	342.6	5.5	.8
29	1435.1	172.5	5.9	7.0	1447.7	353.0	5.5	.8
30	1434.9	170.5	5.9	7.0	1448.1	361.4	5.5	.8
31	1434.7	168.5	5.9	7.0	1448.5	370.1	5.5	.8
TOTAL			184.2	213.0			171.4	69.9
Inf. Ac. Ft.	365.4				340.1			
Outf. Ac. Ft.	424.2				138.6			
Max. Mean Daily Inf.	6.0				7.1 cfs			
Min. Mean Daily Inf.	5.9 cfs				4.8 cfs			
Storage Change	-58.8 A.F.				201.5 A.F.			

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1448.2	365.9	4.7	.8	1448.5	370.1	71.4	12.6
2	1448.3	365.7	4.7	11.0	1452.4	460.5	52.6	7.1
3	1447.3	344.6	4.7	14.2	1453.2	479.9	18.0	8.3
4	1446.3	324.6	4.7	14.2	1453.7	492.4	24.8	10.5
5	1445.3	305.7	4.7	14.2	1454.8	520.2	27.5	13.5
6	1444.1	284.2	4.7	14.2	1454.3	504.9	19.3	27.0
7	1443.0	267.7	4.6	14.0	1453.3	482.4	14.6	26.0
8	1441.8	250.8	4.6	13.6	1452.2	455.4	11.4	25.0
9	1441.2	242.7	4.6	9.8	1451.0	426.7	11.3	26.0
10	1443.0	267.7	13.5	.7	1449.8	399.6	10.2	24.0
11	1443.7	278.6	13.8	8.3	1448.8	376.6	10.2	21.0
12	1442.6	262.0	7.6	17.0	1447.7	353.0	10.2	21.0
13	1441.3	244.1	7.6	17.0	1446.5	328.5	10.2	21.0
14	1440.0	227.3	7.6	17.0	1445.2	303.8	10.2	21.0
15	1438.5	209.4	7.6	17.0	1444.2	286.6	10.2	21.0
16	1436.8	190.3	7.6	16.4	1442.2	257.7	10.2	21.0
17	1435.1	172.5	7.6	16.4	1440.8	237.5	10.2	21.0
18	1433.3	155.4	7.6	15.9	1439.0	215.2	10.2	21.0
19	1432.3	146.7	7.6	10.6	1437.3	195.7	10.2	21.0
20	1433.3	155.4	5.2	.9	1435.6	177.6	10.2	20.0
21	1434.2	163.7	5.2	.9	1433.8	159.9	10.2	18.9
22	1434.8	169.5	[illegible]	.9	1432.1	144.9	10.2	17.6
23	1435.6	177.6	5.2	.9	1430.4	131.3	10.2	17.0
24	1436.5	187.0	5.1	1.1	1428.8	119.0	10.2	17.6
25	1437.2	194.2	5.1	1.5	1427.6	110.1	10.2	15.9
26	1437.9	202.4	5.1	1.5	1426.8	104.2	10.1	14.8
27	1438.6	210.5	5.1	1.5	1426.5	102.1	10.1	12.5
28	1442.0	253.4	23.6	5.0	1426.2	99.9	10.1	10.9
29					1426.0	98.4	10.1	10.9
30					1426.6	102.8	13.1	10.9
31					1426.1	99.2	11.2	13.0
TOTAL			194.3	253.7			479.2	557.0
Inf. Ac. Ft.	386.5				950.5			
Outf. Ac. Ft.	503.2				1104.7			
Max. Mean Daily Inf.	23.6 cfs				71.4 cfs			
Min. Mean Daily Inf.	4.6 cfs				10.1 cfs			
Storage Change	-116.7 A.F.				-154.2 A.F.			

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1425.7	96.3	8.2	13.6	1405.0	0	8.2	8.2
2	1423.7	82.9	8.2	10.9	1405.0	0	7.1	7.1
3	1423.2	78.7	5.2	9.2	1405.0	0	6.3	6.3
4	1423.0	77.2	6.3	7.0	1405.0	0	9.4	9.4
5	1422.8	75.9	5.4	6.5	1405.0	0	8.6	8.6
6	1422.9	76.6	5.1	4.9	1405.0	0	9.1	9.1
7	1422.9	76.6	4.3	4.8	1405.0	0	10.2	10.2
8	1422.8	75.9	4.9	5.1	1405.0	0	9.3	9.3
9	1422.6	74.6	4.6	4.8	1405.0	0	9.2	9.2
10	1422.6	74.6	5.1	5.1	1405.0	0	8.2	8.2
11	1422.6	74.6	5.1	5.1	1405.0	0	7.3	7.3
12	1422.6	74.6	5.1	5.1	1405.0	0	8.3	8.3
13	1415.7	30.9	10.0	32.0	1405.0	0	7.2	7.2
14	1406.2	.3	12.5	38.0	1405.0	0	6.2	6.2
15	1406.0	.2	5.5	5.6	1405.0	0	7.2	7.2
16	1405.0	0	7.1	7.0	1405.0	0	5.3	5.3
17	1405.0	0	7.5	7.5	1405.0	0	5.9	5.9
18	1405.0	0	7.1	7.1	1405.0	0	5.8	5.8
19	1405.0	0	8.8	8.8	1405.0	0	5.6	5.6
20	1405.0	0	6.1	6.1	1405.0	0	5.3	5.3
21	1405.0	0	7.3	7.3	1405.0	0	5.4	5.4
22	1405.0	0	8.1	8.1	1405.0	0	5.9	5.9
23	1405.0	0	8.4	8.4	1405.0	0	6.0	6.0
24	1405.0	0	8.1	8.1	1405.0	0	5.7	5.7
25	1405.0	0	7.0	7.0	1405.0	0	5.4	5.4
26	1405.0	0	8.2	8.2	1405.0	0	6.1	6.1
27	1405.0	0	8.5	8.5	1405.0	0	6.1	6.1
28	1405.0	0	8.1	8.1	1405.0	0	6.6	6.6
29	1405.0	0	8.3	8.3	1405.0	0	5.8	5.8
30	1405.0	0	8.8	8.8	4105.0	0	5.8	5.8
31					1405.0	0	4.4	4.4
TOTAL			215.1	265.1			213.3	213.3
Inf. Ac. Ft.	426.6				423.0			
Outf. Ac. Ft.	525.8				423.0			
Max. Mean Daily Inf.	12.5 cfs				10.2			
Min. Mean Daily Inf.	4.1 cfs				4.4 cfs			
Storage Change	-99.2 A.F.				0 A.F.			

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1405.0	0	4.1	4.1	1405.0	0	4.0	4.0
2	1405.0	0	4.2	4.2	1405.0	0	4.2	4.2
3	1405.0	0	4.6	4.6	1405.0	0	3.5	3.5
4	1405.0	0	3.9	3.9	1405.0	0	2.4	2.4
5	1405.0	0	3.3	3.3	1405.0	0	1.1	1.1
6	1405.0	0	3.6	3.6	1405.0	0	1.0	1.0
7	1405.0	0	4.2	4.2	1405.0	0	1.7	1.7
8	1405.0	0	3.5	3.5	1405.0	0	1.7	1.7
9	1405.0	0	3.8	3.8	1405.0	0	1.9	1.9
10	1405.0	0	5.0	5.0	1405.0	0	1.3	1.3
11	1405.0	0	4.4	4.4	1405.0	0	.7	.7
12	1405.0	0	5.0	5.0	1405.0	0	1.2	1.2
13	1405.0	0	5.0	5.0	1405.0	0	1.2	1.2
14	1405.0	0	4.8	4.8	1405.0	0	1.1	1.1
15	1405.0	0	3.6	3.6	1405.0	0	1.2	1.2
16	1405.0	0	4.1	4.1	1405.0	0	1.5	1.5
17	1405.0	0	4.1	4.1	1405.0	0	1.2	1.2
18	1405.0	0	4.1	4.1	1405.0	0	1.0	1.0
19	1405.0	0	3.5	3.5	1405.0	0	1.5	1.5
20	1405.0	0	4.0	4.0	1405.0	0	1.5	1.5
21	1405.0	0	3.9	3.9	1405.0	0	2.9	2.9
22	1405.0	0	3.9	3.9	1405.0	0	4.0	4.0
23	1405.0	0	4.5	4.5	1405.0	0	3.6	3.6
24	1405.0	0	5.1	5.1	1405.0	0	2.8	2.8
25	1405.0	0	5.2	5.2	1405.0	0	1.8	1.8
26	1405.0	0	5.2	5.2	1405.0	0	1.3	1.3
27	1405.0	0	4.0	4.0	1405.0	0	1.9	1.9
28	1405.0	0	3.4	3.4	1405.0	0	1.8	1.8
29	1405.0	0	4.0	4.0	1405.0	0	1.9	1.9
30	1405.0	0	4.5	4.5	1405.0	0	2.2	2.2
31					1405.0	0	2.9	2.9
TOTAL			126.8	126.8			62.2	62.2
Inf. Ac. Ft.	251.5				123.3			
Outf. Ac. Ft.	251.5				123.3			
Max. Mean Daily Inf.	5.2 cfs				4.0 cfs			
Min. Mean Daily Inf.	3.4 cfs				.7 cfs			
Storage Change	0 A.F.				0 A.F.			

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1405.0	0	2.0	2.0	1405.0	0	1.7	1.7
2	1405.0	0	2.0	2.0	1405.0	0	1.3	1.3
3	1405.0	0	2.0	2.0	1405.0	0	1.3	1.3
4	1405.0	0	2.0	2.0	1405.0	0	1.8	1.8
5	1405.0	0	2.0	2.0	1405.0	0	1.8	1.8
6	1405.0	0	2.0	2.0	1405.0	0	2.2	2.2
7	1405.0	0	2.0	2.0	1405.0	0	1.6	1.6
8	1405.0	0	2.0	2.0	1405.0	0	1.7	1.7
9	1405.0	0	2.0	2.0	1405.0	0	2.2	2.2
10	1405.0	0	2.0	2.0	1405.0	0	2.1	2.1
11	1405.0	0	2.0	2.0	1405.0	0	2.2	2.2
12	1405.0	0	2.0	2.0	1405.0	0	2.8	2.8
13	1405.0	0	2.0	2.0	1405.0	0	2.9	2.9
14	1405.0	0	2.0	2.0	1405.0	0	4.0	4.0
15	1405.0	0	2.0	2.0	1405.0	0	4.5	4.5
16	1405.0	0	2.0	2.0	1405.0	0	4.0	4.0
17	1405.0	0	2.0	2.0	1405.0	0	3.5	3.5
18	1405.0	0	2.0	2.0	1405.0	0	3.3	3.3
19	1405.0	0	2.0	2.0	1405.0	0	3.3	3.3
20	1405.0	0	2.0	2.0	1405.0	0	3.4	3.4
21	1405.0	0	2.0	2.0	1405.0	0	3.5	3.5
22	1405.0	0	2.0	2.0	1405.0	0	2.9	2.9
23	1405.0	0	2.0	2.0	1405.0	0	2.9	2.9
24	1405.0	0	2.0	2.0	1405.0	0	3.0	3.0
25	1405.0	0	2.0	2.0	1405.0	0	3.0	3.0
26	1405.0	0	2.0	2.0	1405.0	0	3.0	3.0
27	1405.0	0	2.0	2.0	1405.0	0	2.5	2.5
28	1405.0	0	2.0	2.0	1405.0	0	3.1	3.1
29	1405.0	0	2.0	2.0	1405.0	0	3.2	3.2
30	1405.0	0	2.0	2.0	1405.0	0	3.7	3.7
31	1405.0	0	2.0	2.0				
TOTAL			62.0	62.0			83.3	83.3
Inf. Ac. Ft.	122.9				165.2			
Outf. Ac. Ft.	122.9				165.2			
Max. Mean Daily Inf.	2.0 cfs				4.5 cfs			
Min. Mean Daily Inf.	2.0 cfs				1.3 cfs			
Storage Change	0 A.F.				0 A.F.			

Max. W.S. Elev. 1457.1 feet on 10/15/69 Storage 580.8 Acre-Feet

Min. W.S. Elev. 1405.0 feet on various days Storage 0 Acre-Feet

Max. Peak Inf. 114 CFS from 3:00 p.m. on 3/1/70 to 4:00 p.m. on 3/1/70

Max. Peak Outf. 60 CFS from 6:45 a.m. on 4/14/70 to 7:51 a.m. on 4/14/70

REMARKS: [indicates average for period

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN DIMAS DAM

1970-71

DRAINAGE AREA 16.2 SQ. MI.
CAPACITY OF RESERVOIR 1514.9 AC. FT.
@ SPILLWAY ELEVATION 1462.0 FT.
as of November 1, 19 70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DAY	OCTOBER				NOVEMBER				DECEMBER				JANUARY				DAY
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1376.0	0	3.6	3.6	1375.0	0	3.6	3.6	1416.1	258.0	7.2	.1	1426.8	464.4	6.6	11.1	1
2	1376.0	0	3.9	3.9	1376.0	0	3.6	3.6	1416.9	273.0	7.2	.1	1425.6	445.7	5.9	10.3	2
3	1376.0	0	4.0	4.0	1376.0	0	3.6	3.6	1417.5	283.1	5.6	.1	1425.2	437.0	5.4	9.8	3
4	1376.0	0	4.0	4.0	1381.1	1.5	3.6	2.8	1418.0	292.6	4.7	.1	1425.4	441.3	5.9	9.8	4
5	1376.0	0	4.2	4.2	1387.5	7.5	4.8	3.8	1418.5	301.6	4.8	.1	1426.0	432.6	5.4	8.7	5
6	1376.0	0	5.0	5.0	1389.3	12.0	4.0	1.7	1418.9	309.1	3.9	.1	1424.2	415.5	4.9	13.6	6
7	1376.0	0	4.3	4.3	1390.8	16.1	3.8	1.7	1419.2	314.8	2.9	.1	1423.4	398.6	4.4	12.8	7
8	1376.0	0	4.1	4.1	1392.0	20.4	4.6	1.4	1419.6	322.4	3.9	.1	1422.8	386.1	3.5	9.8	8
9	1376.0	0	4.3	4.3	1393.1	24.7	4.4	1.2	1420.1	332.1	4.9	.1	1422.4	377.9	5.2	9.3	9
10	1376.0	0	3.6	3.6	1394.1	28.8	3.3	1.1	1420.5	339.9	3.1	.1	1422.1	371.8	4.6	7.7	10
11	1376.0	0	3.5	3.5	1395.1	33.4	3.3	1.1	1420.9	347.7	4.1	.1	1421.8	365.7	3.6	6.7	11
12	1376.0	0	4.0	4.0	1396.0	37.5	2.9	.8	1421.2	353.7	3.2	.1	1422.1	375.9	11.8	6.7	12
13	1376.0	0	3.4	3.4	1396.8	41.8	2.6	.6	1421.5	359.7	3.2	.1	1422.5	380.0	8.2	9.1	13
14	1376.0	0	3.4	3.4	1397.6	45.4	2.5	.5	1422.1	371.8	6.2	.1	1422.1	371.8	4.6	8.7	14
15	1376.0	0	3.3	3.3	1398.3	49.3	2.6	.7	1421.9	367.7	3.2	6.3	1421.3	355.7	4.7	12.8	15
16	1376.0	0	3.9	3.9	1398.9	53.7	2.5	0	1421.5	359.7	3.4	7.4	1420.7	343.8	6.8	12.8	16
17	1376.0	0	3.4	3.4	1399.6	57.0	2.5	0	1421.3	355.7	4.7	6.7	1419.9	328.2	4.0	11.9	17
18	1376.0	0	3.4	3.4	1400.4	62.4	2.5	0	1420.8	345.8	3.9	8.9	1418.3	316.7	6.1	11.9	18
19	1376.0	0	2.8	2.8	1400.8	65.2	2.5	0	1420.3	335.9	2.9	6.7	1418.7	305.3	6.2	11.9	19
20	1376.0	0	2.8	2.8	1401.5	70.4	2.5	0	1419.8	326.1	1.9	6.7	1418.1	294.1	5.6	11.9	20
21	1376.0	0	4.0	4.0	1402.1	74.1	2.5	0	1418.8	312.7	70.3	6.5	1417.5	287.1	6.4	11.9	21
22	1376.0	0	4.0	4.0	1402.7	78.0	2.5	0	1419.8	340.3	23.7	9.8	1416.8	270.5	5.5	11.9	22
23	1376.0	0	3.9	3.9	1403.3	81.3	2.5	0	1420.7	358.0	13.2	14.4	1416.1	258.8	5.6	11.9	23
24	1376.0	0	4.0	4.0	1403.8	84.5	2.5	0	1420.5	353.3	11.3	13.6	1415.4	245.8	5.8	11.9	24
25	1376.0	0	4.0	4.0	1404.4	95.1	2.5	0	1420.0	521.8	7.8	13.6	1414.7	233.8	5.0	11.1	25
26	1376.0	0	4.0	4.0	1405.3	101.7	2.5	0	1838.6	512.7	9.0	13.6	1414.0	222.0	4.4	10.3	26
27	1376.0	0	4.1	4.1	1405.8	108.8	2.5	0	1428.2	503.6	9.0	13.6	1413.3	210.5	4.0	9.8	27
28	1376.0	0	3.5	3.5	1407.0	121.9	6.5	0	1427.8	494.5	8.2	12.8	1412.6	199.3	4.1	9.8	28
29	1376.0	0	4.1	4.1	1413.9	220.4	49.9	0	1427.4	485.5	7.3	11.9	1412.2	193.0	3.1	6.3	29
30	1376.0	0	2.9	2.9	1415.3	243.0	11.9	0	1426.9	474.3	5.8	11.1	1412.1	191.4	3.3	4.1	30
31	1376.0	0	3.6	3.6					1426.4	463.3	5.5	11.1	1412.0	189.8	3.3	4.1	31
TOTAL			117.2	117.2			149.2	26.2			286.8	176.1			161.5	301.4	
Inf. Ac. Ft.			232.4				296.0				568.4				324.3		
Outf. Ac. Ft.			232.4 + (.0)				51.9 + (.2)				349.2 + (.0)				597.8 + (.0)		
Max. Mean Daily Inf.			4.0 cfs				49.8 cfs				70.3 cfs				11.8 cfs		
Min. Mean Daily Inf.			2.8 cfs				2.5 cfs				2.9 cfs				3.1 cfs		
Storage Change			0 A.F.				244.0 A.F.				219.2 A.F.				-273.4 A.F.		

DAY	FEBRUARY				MARCH				APRIL				MAY				DAY
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1411.8	186.7	2.9	4.1	1417.2	277.6	2.7	.6	1424.6	424.0	2.8	.8	1429.7	538.0	3.1	.2	1
2	1411.7	185.2	2.9	4.1	1417.4	281.3	2.7	.6	1424.7	426.2	2.8	.8	1430.0	544.9	3.1	.2	2
3	1411.5	182.1	2.9	4.1	1417.6	284.9	2.7	.6	1424.8	428.1	2.8	.9	1430.2	549.6	3.1	.1	3
4	1411.4	180.5	2.9	4.1	1417.8	288.6	2.7	.5	1425.0	432.6	2.8	1.1	1430.5	556.7	3.0	.1	4
5	1411.2	177.6	2.9	4.1	1418.1	294.1	2.6	.5	1425.1	434.8	2.8	1.2	1430.8	563.7	3.7	.1	5
6	1411.1	176.0	2.9	4.1	1418.4	297.9	2.6	.5	1425.2	437.0	2.8	1.5	1431.3	575.6	6.1	.1	6
7	1410.9	173.0	2.9	4.1	1418.6	301.6	2.6	.3	1425.3	439.1	2.8	1.7	1431.6	582.8	3.7	.1	7
8	1410.7	170.1	2.9	4.1	1418.7	305.3	2.6	.1	1425.4	443.5	2.8	1.7	1431.9	589.8	3.7	.1	8
9	1410.8	171.6	2.8	1.9	1419.0	310.9	2.6	.6	1425.6	445.7	2.8	1.7	1432.1	594.8	2.8	.1	9
10	1411.1	176.0	2.8	1.1	1419.2	314.8	2.6	.6	1425.8	447.9	2.8	1.7	1432.3	599.6	2.8	.1	10
11	1411.3	179.1	2.7	.9	1419.4	318.6	2.6	.6	1425.8	450.0	2.8	1.7	1432.6	606.9	2.7	.1	11
12	1411.5	182.1	2.7	.9	1419.6	322.4	2.6	.6	1426.0	454.4	2.8	1.5	1432.8	611.8	2.7	.1	12
13	1411.7	185.2	2.8	.9	1420.7	343.8	11.9	1.1	1426.1	456.6	2.7	1.5	1433.0	616.6	2.7	.1	13
14	1412.0	189.8	2.8	.9	1421.0	349.7	4.5	1.5	1426.3	461.0	2.3	1.5	1433.2	621.6	2.7	.1	14
15	1412.3	194.5	2.8	.9	1421.3	355.7	4.5	1.5	1426.4	463.3	2.3	1.4	1433.4	626.5	2.7	.1	15
16	1412.8	202.5	4.9	.9	1421.5	359.7	3.8	1.5	1426.6	467.7	2.3	1.4	1433.6	631.5	2.4	0	16
17	1413.7	217.1	8.3	.9	1421.8	365.7	3.8	1.5	1426.8	472.1	2.4	1.2	1433.7	634.0	2.4	.1	17
18	1414.1	223.7	4.2	.8	1422.0	369.7	3.7	1.5	1427.1	478.8	2.6	1.2	1433.9	638.9	2.4	.1	18
19	1414.5	230.4	4.1	.8	1422.2	373.8	3.7	1.5	1427.2	481.0	2.9	1.1	1434.0	641.4	2.4	.1	19
20	1414.8	235.5	3.1	.8	1422.4	377.9	3.7	1.5	1427.4	485.5	2.9	1.1	1434.2	646.4	2.3	.1	20
21	1415.1	240.6	3.1	.8	1422.6	382.0	3.7	1.5	1427.5	487.8	2.9	1.1	1434.4	651.5	2.3	.1	21
22	1415.4	245.8	3.1	.8	1422.8	386.1	3.7	1.5	1427.7	492.3	2.9	1.1	1434.6	654.5	2.3	.1	22
23	1415.7	251.0	3.0	.8	1423.0	390.2	3.5	1.5	1427.9	496.7	2.9	.7	1434.7	656.0	2.3	.1	23
24	1416.0	254.5	3.4	.2	1423.2	394.4	3.5	1.2	1428.1	501.3	2.9	.2	1434.9	659.1	2.3	.1	24
25	1416.2	259.2	3.0	.8	1423.4	398.5	3.5	1.2	1428.3	508.1	2.8	.2	1435.0	661.2	2.3	.1	25
26	1416.4	263.3	3.0	.8	1423.6	402.8	3.5	1.4	1428.6	512.7	2.8	.2	1435.2	671.7	2.3	.1	26
27	1416.7	268.7	3.0	.8	1423.8	407.0	3.3	1.2	1428.8	517.2	2.8	.2	1435.4	676.8	2.3	.1	27
28	1416.9	272.2	3.0	.6	1424.0	411.2	3.9	.9	1429.1	521.7	2.7	.2	1435.6	682.0	2.3	.1	28
29					1424.1	413.3	2.3	.9	1429.3	526.7	2.7	.2	1435.8	687.1	2.3	.2	29
30					1424.3	417.6	2.3	.8	1429.5	531.2	2.7	.2	1436.0	692.2	2.3	.2	30
31					1424.3	419.8	2.2	.8					1436.2	697.4	2.3	.2	31
TOTAL			91.4	49.9			105.7	31.4			88.2	31.0			85.8	3.2	
Inf. Ac. Ft.			181.3				209.8				175.1				170.3		
Outf. Ac. Ft.			98.9 + (.0)				62.2 + (.0)				61.4 + (.0)				6.5 + (.0)		
Max. Mean Daily Inf.			8.3 cfs				11.9 cfs				4.6 cfs				6.1 cfs		
Min. Mean Daily Inf.			2.7 cfs				2.2 cfs				2.7 cfs				2.3 cfs		
Storage Change			82.4 A.F.				147.5 A.F.				113.6 A.F.				164.0 A.F.		

DAY	JUNE				JULY				AUGUST				SEPTEMBER				DAY
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1436.4	702.6	2.5	.1	1440.5	812.4	1.7	.1	1441.5	840.2	.6	.8	1439.5	786.0	.9	9.3	1
2	1436.6	707.8	2.5	.1	1440.6	815.2	1.7	.2	1441.5	840.2	.6	.8	1438.2	768.7	.9	10.3	2
3	1436.8	713.0	2.5	.1	1440.7	817.9	1.7	.6	1441.5	840.2	.6	.8	1436.2	750.0	.9	11.1	3
4	1437.0	718.2	2.5	.1	1440.8	820.7	1.7	.8	1441.5	840.2	.6	.8	1437.6	734.9	.9	.7	4
5	1437.1	720.8	2.5	.1	1440.8	820.7	1.7	.6	1441.5	840.2	.6	.8	1437.9	738.9	.9	.7	5
6	1437.3	726.1	2.5	.1	1440.9	823.4	1.7	.6	1441.5	840.2	.6	.8	1436.4	702.6	.9	.7	6
7	1437.4	728.8	2.5	.1	1441.0	826.2	1.7	.8	1441.5	840.2	.6	.8	1435.8	687.1	.9	.7	7
8	1437.6	734.0	2.5	.1	1441.1	829.0	1.7	.8	1441.4	837.5	.6	.8	1435.2	671.7	.9	.7	8
9	1437.8	739.3	2.4	.1	1441.2	831.8	1.7	.9	1441.3	837.5	.6	.8	1434.6	656.5	1.0	.7	9
10	1438.0	744.6	2.4	.1	1441.2	831.8	1.6	.1	1441.4	837.5	.6	.8	1434.0	641.4	1.0	.7	10
11	1438.2	750.0	2.0	.1	1441.3	834.6	1.2	.1	1441.4	837.4	.6	.8	1433.4	626.5	1.0	.7	11
12	1438.4	754.3	3.0	.2	1441.3	834.6	1.2	.2	1441.4	837.4	.6	.8	1432.8	606.9	1.0	8.7	12
13	1438.5	756.0	2.0	.1	1441.3	834.6	1.2	.2	1441.3	837.4	.6	.8	1432.0	592.3	1.0	8.7	13
14	1438.7	761.4	2.0	.1	1441.3	837.4	1.2	1.9	1441.3	837.4	.6	.8	1431.3	575.6	1.0	8.7	14
15	1438.8	766.0	2.0	.1	1441.4	837.4	1.2	.9	1441.3	837.4	.6	.8	1430.6	560.0	1.0	9.3	15
16	1438.9	768.7	2.0	.1	1441.4	837.4	1.2	.9	1441.3	834.6	.6	.8	1429.8	540.3	1.0	9.3	16
17	1439.0	771.4	2.0	.1	1441.5	840.2	1.2	.9	1441.3	834.6	.6	.8	1429.3	528.7	1.0	9.3	17
18	1439.1	774.1	2.0	.1	1441.5	840.2	1.2	.9	1441.3	834.6	.6	.8	1428.6	512.7	1.0	9.3	18
19	1439.2	776.8	2.0	.1	1441.5	840.2	1.1	.8	1441.3	834.6	.6	.8	1427.9	496.7	1.0	9.3	19
20	1439.4	782.3	2.0	.1	1441.5	840.2	1.1	.8	1441.3	834.6	.6	.8	1427.2	481.0	1.0	9.3	20
21	1439.5	785.4	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1426.6	467.7	2.0	9.3	21
22	1439.6	788.4	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1425.9	452.2	2.0	9.3	22
23	1439.7	791.4	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1425.2	437.0	2.0	9.3	23
24	1439.8	794.4	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1424.6	424.0	2.0	9.3	24
25	1439.88	796.3	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1423.9	409.3	2.1	9.3	25
26	1440.0	798.1	1.5	.1	1441.5	840.2	.8	.8	1441.3	834.6	.6	.8	1423.2	394.4	2.1	9.3	26
27	1440.2	801.9	1.5	.1	1441.5	840.2	.8	.8	1441.2	834.6	.5	.8	1422.5	380.0	2.1	9.3	27
28	1440.2	803.1	1.4	.1	1441.5	840.2	.8	.8	1441.2	834.6	.5	.8	1421.8	365.7	2.1	9.3	28
29	1440.3	804.9	1.4	.1	1441.5	840.2	.8	.8	1441.2	834.6	.5	.8	1421.2	353.7	2.1	9.7	29
30	1440.4	806.6	1.4	.1	1441.5	840.2	.8	.8	1440.9	823.4	.5	7.8	1420.5	339.9	2.1	9.7	30
31					1441.5	840.2	.8	.8	1440.2	804.1	.5	9.3					31
TOTAL			59.5	3.0			37.4	22.0			28.1	36.3			39.9	274.0	
Inf. Ac. Ft.			118.1				74.1				35.9				79.2		
Outf. Ac. Ft.			5.9 + (.0)				43.6 + (.0)				71.9 + (.0)				543.4 + (.0)		
Max. Mean Daily Inf.			2.5 cfs				1.7 cfs				0.6 cfs				2.1 cfs		
Min. Mean Daily Inf.			1.4 cfs				0.8 cfs				0.5 cfs				0.9 cfs		
Storage Change			112.2 A.F.				30.5 A.F.				-36.0 A.F.				-464.2 A.F.		

Max. P.S. Elev. 1441.5 feet on various days Storage 840.2 Acre-Feet
Min. P.S. Elev. 1376.0 feet on various days Storage 0 Acre-Feet
Max. Month Inf. 127.0 CFS from 2:00 p.m. on 11/29/70 to 4:00 p.m. on 11/30/70
Max. Peak Outf. 18.2 CFS from 12:15 p.m. on 12/30/70 to 1:15 p.m. on 12/30/70

REMARKS: — Indicates average for period.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

SAN DIMAS DAM

1971-72

DRAINAGE AREA 16.2 SQ. MI.
CAPACITY OF RESERVOIR 1514.9 AC. FT.,
at SPILLWAY ELEVATION 1462.0 FT.,
as of November 1, 19 70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER Gage Height	OCTOBER Acre-Ft. Storage	OCTOBER CFS Inflow	OCTOBER CFS Outflow	NOVEMBER Gage Height	NOVEMBER Acre-Ft. Storage	NOVEMBER CFS Inflow	NOVEMBER CFS Outflow	DECEMBER Gage Height	DECEMBER Acre-Ft. Storage	DECEMBER CFS Inflow	DECEMBER CFS Outflow	JANUARY Gage Height	JANUARY Acre-Ft. Storage	JANUARY CFS Inflow	JANUARY CFS Outflow	Day
1	1420.0	330.1	1.2	8.7	1406.2	113.0	1.3	.8	1410.4	165.7	1.5	.6	1427.7	493.3	3.9	.1	1
2	1419.3	315.7	1.2	8.7	1406.3	114.0	1.3	.8	1410.5	167.2	1.5	.6	1428.1	501.3	3.9	.1	2
3	1418.6	301.5	1.2	8.7	1406.5	116.2	1.3	.4	1410.6	168.7	1.5	.6	1428.3	505.8	3.9	.1	3
4	1418.0	288.2	1.2	8.7	1406.6	117.3	1.3	.4	1410.7	170.1	1.5	.6	1428.1	501.3	2.8	2.1	4
5	1417.3	279.5	1.2	8.7	1406.7	118.5	1.3	.4	1410.8	171.6	1.5	.4	1427.9	496.5	2.8	9.8	5
6	1416.7	268.7	1.2	7.7	1406.8	119.5	1.3	.4	1411.0	174.5	1.5	.2	1426.8	472.1	2.8	9.8	6
7	1415.7	251.0	1.2	9.3	1407.0	121.6	1.2	.4	1411.2	177.6	1.5	.2	1426.2	458.8	2.8	8.7	7
8	1414.6	232.1	1.2	9.3	1407.1	122.8	1.2	.4	1411.4	180.6	1.6	.1	1425.6	445.7	2.7	9.8	8
9	1413.5	213.8	1.2	9.3	1407.3	125.2	1.2	.4	1411.6	183.7	1.6	.1	1424.9	430.5	2.7	9.8	9
10	1412.4	196.1	1.2	8.7	1407.4	126.4	1.2	.4	1411.8	186.7	1.6	.1	1424.3	417.6	2.7	9.8	10
11	1411.2	177.6	1.2	8.7	1407.6	128.7	1.6	.4	1412.0	189.8	1.6	.1	1423.8	407.0	2.6	6.7	11
12	1410.0	159.9	1.2	8.7	1407.8	131.1	1.6	.3	1412.2	193.0	1.6	.1	1423.2	394.4	2.2	8.7	12
13	1408.7	142.4	1.2	9.3	1408.1	134.7	1.6	.3	1412.5	197.7	1.6	.1	1422.6	382.0	2.2	9.8	13
14	1407.5	127.5	1.2	8.7	1408.3	137.5	1.6	.3	1412.7	200.9	1.7	.1	1421.9	367.7	2.2	9.3	14
15	1406.2	113.4	1.2	8.1	1408.4	139.1	1.6	.3	1412.9	204.1	1.6	.1	1421.3	355.7	2.2	8.2	15
16	1405.9	109.8	1.2	5.1	1408.6	141.1	1.6	.3	1413.1	207.3	1.6	.1	1420.8	345.8	2.2	6.7	16
17	1405.0	100.7	1.2	5.1	1408.8	143.6	1.5	.3	1413.3	210.5	1.6	.1	1420.4	337.9	2.2	6.7	17
18	1404.1	92.3	1.2	5.1	1409.0	146.2	1.5	.3	1413.5	213.8	1.6	.1	1420.1	332.1	2.2	5.6	18
19	1403.8	89.5	1.2	1.5	1409.1	147.6	1.5	.3	1413.7	217.1	1.6	.1	1419.7	324.3	2.2	5.6	19
20	1404.0	91.3	1.2	.6	1409.3	150.3	1.4	.3	1413.8	218.7	1.6	.1	1419.4	318.6	2.2	4.4	20
21	1404.1	92.3	1.2	.6	1409.4	151.7	1.4	.3	1414.0	222.0	1.7	.1	1419.3	316.7	2.1	4.1	21
22	1404.3	94.1	1.2	.6	1409.6	154.4	1.3	.4	1414.8	235.5	6.9	.1	1419.1	312.9	2.1	4.1	22
23	1404.4	95.1	1.2	.6	1409.7	156.8	1.1	.4	1415.2	242.3	5.5	.1	1418.9	309.1	2.1	3.8	23
24	1404.8	98.8	1.2	.8	1409.8	157.2	1.3	.8	1418.8	307.2	32.9	.8	1418.7	305.3	2.1	3.8	24
25	1405.0	100.7	1.2	.8	1409.9	158.5	1.3	.9	1421.3	355.7	24.7	.8	1418.6	303.5	2.1	3.4	25
26	1405.1	101.7	1.1	.9	1410.0	159.9	1.3	.8	1423.0	390.8	17.5	.8	1418.4	299.7	2.1	3.4	26
27	1405.3	103.7	1.1	.9	1410.0	159.9	1.3	.6	1424.6	424.9	17.2	.9	1418.2	296.0	2.1	3.4	27
28	1405.4	104.8	1.1	.9	1410.1	161.4	1.3	.6	1425.7	447.9	12.1	.1	1418.0	292.2	2.1	3.8	28
29	1405.7	107.8	1.1	.8	1410.2	160.8	1.3	.6	1426.4	463.3	7.9	.1	1417.9	290.4	2.1	3.8	29
30	1405.9	109.8	1.1	.8	1410.3	164.3	1.3	.6	1426.9	474.3	5.7	.1	1417.7	286.8	2.1	3.8	30
31	1406.0	110.8	1.1	.8					1427.3	483.3	4.6	.1	1417.5	283.1	2.1	3.4	31
TOTAL			36.6	152.2			40.8	13.9			166.6	5.8			76.1	177.0	
Inf. Ac. Ft.			72.7				81.0				330.4				150.9		
Outf. Ac. Ft.			301.8 + (.0)				27.5 + (.0)				11.5 + (.0)				351.1 + (.0)		
Max. Mean Daily Inf.			1.2 cfs				1.6 cfs				32.9 cfs				3.9 cfs		
Min. Mean Daily Inf.			1.1 cfs				1.2 cfs				1.5 cfs				2.1 cfs		
Storage Change			-229.1 A.F.				53.4 A.F.				319.0 A.F.				-200.1 A.F.		

Day	FEBRUARY Gage Height	FEBRUARY Acre-Ft. Storage	FEBRUARY CFS Inflow	FEBRUARY CFS Outflow	MARCH Gage Height	MARCH Acre-Ft. Storage	MARCH CFS Inflow	MARCH CFS Outflow	APRIL Gage Height	APRIL Acre-Ft. Storage	APRIL CFS Inflow	APRIL CFS Outflow	MAY Gage Height	MAY Acre-Ft. Storage	MAY CFS Inflow	MAY CFS Outflow	Day
1	1417.5	283.1	1.9	2.5	1417.8	288.6	1.3	1.0	1419.1	315.9	1.1	.6	1420.8	345.8	.9	.3	1
2	1417.5	283.1	1.9	1.6	1417.9	290.4	1.3	.9	1419.2	314.8	1.1	.6	1420.8	345.8	.9	.3	2
3	1417.5	283.1	1.9	1.6	1417.9	290.4	1.3	.9	1419.2	314.8	1.1	.6	1420.9	347.7	.9	.3	3
4	1417.6	284.1	1.9	1.6	1418.0	292.2	1.3	.8	1419.3	316.7	1.1	.6	1420.9	347.7	.9	.3	4
5	1417.5	283.1	1.9	1.6	1418.0	292.2	1.3	.8	1419.3	316.7	1.1	.6	1421.0	349.7	.9	.3	5
6	1417.6	284.9	1.9	1.6	1418.0	292.2	1.3	.8	1419.4	318.6	1.1	.6	1421.1	351.7	.9	.3	6
7	1417.6	284.9	1.9	1.6	1418.0	292.2	1.3	.8	1419.4	318.6	1.1	.6	1421.1	351.7	.9	.3	7
8	1417.6	284.9	1.8	1.6	1418.1	294.1	1.3	.8	1419.4	318.6	1.1	.6	1421.1	351.7	.9	.3	8
9	1417.7	286.8	1.8	1.6	1418.1	294.1	1.3	.8	1419.5	320.5	1.0	.6	1421.2	353.7	.9	.3	9
10	1417.7	286.8	1.8	1.6	1418.1	294.1	1.3	.9	1419.5	320.5	1.0	.6	1421.3	355.7	.9	.3	10
11	1417.7	286.8	1.7	1.6	1418.2	296.0	1.3	1.0	1419.6	322.4	1.0	.6	1421.3	355.7	.9	.3	11
12	1417.8	288.6	1.7	1.6	1418.2	296.0	1.3	1.0	1419.7	324.3	1.0	.6	1421.4	357.7	.9	.3	12
13	1417.8	288.6	1.7	1.6	1418.2	296.0	1.2	1.0	1419.7	324.3	1.0	.4	1421.4	357.7	.9	.3	13
14	1417.8	288.6	1.7	1.6	1418.3	297.9	1.2	1.0	1419.8	326.3	1.0	.4	1421.4	357.7	.9	.3	14
15	1417.8	288.6	1.7	1.6	1418.3	297.9	1.2	1.0	1419.8	326.3	1.0	.4	1421.4	357.7	.9	.9	15
16	1417.8	288.6	1.7	1.6	1418.4	299.7	1.2	1.0	1419.8	326.3	1.0	.4	1421.4	357.7	1.8	1.0	16
17	1417.8	288.6	1.7	1.6	1418.4	299.7	1.2	1.0	1419.9	328.2	.9	.4	1421.4	357.7	.8	1.0	17
18	1417.8	288.6	1.7	1.6	1418.4	299.7	1.2	1.0	1420.1	332.1	2.3	.3	1421.3	355.7	.8	1.0	18
19	1417.8	288.6	1.7	1.6	1418.4	299.7	1.2	1.0	1420.2	334.0	1.3	.3	1421.3	355.7	.8	1.0	19
20	1417.8	288.6	1.6	1.6	1418.4	299.7	1.2	1.0	1420.3	335.9	.8	.3	1421.4	357.7	.8	1.0	20
21	1417.8	288.6	1.6	1.8	1418.5	301.6	1.2	1.0	1420.4	337.9	.8	.3	1421.4	357.7	.8	1.0	21
22	1417.8	288.6	1.6	1.8	1418.5	301.6	1.2	.9	1420.4	337.9	.8	.3	1421.4	357.7	.8	1.0	22
23	1417.8	288.6	1.6	2.1	1418.6	303.5	1.2	.9	1420.5	339.9	.8	.3	1421.4	357.7	.9	1.0	23
24	1417.8	288.6	1.6	2.1	1418.6	303.5	1.2	.8	1420.5	339.9	.8	.3	1421.4	357.7	.9	.9	24
25	1417.8	288.6	1.6	2.1	1418.7	305.3	1.2	.6	1420.6	341.9	.7	.3	1421.4	357.7	.9	.9	25
26	1417.7	286.8	1.6	2.1	1418.7	305.3	1.2	.6	1420.6	341.9	.7	.3	1421.4	357.7	.9	.9	26
27	1417.7	286.8	1.6	1.2	1418.8	307.2	1.2	.6	1420.6	341.9	.7	.3	1421.4	357.7	.9	.9	27
28	1417.7	286.8	1.6	1.0	1418.9	309.1	1.2	.6	1420.7	343.8	.7	.3	1421.4	357.7	.9	.9	28
29	1417.7	286.8	1.5	1.0	1418.9	309.1	1.2	.6	1420.7	343.8	.7	.3	1421.4	357.7	.9	.9	29
30					1419.0	310.9	1.2	.6					1421.4	357.7	.9	.8	30
31					1419.0	310.9	1.2	.6					1421.4	357.7	.9	.8	31
TOTAL			49.9	48.1			38.4	26.3			39.5	13.0			27.1	20.1	
Inf. Ac. Ft.			99.0				76.1				48.6				53.8		
Outf. Ac. Ft.			95.4 + (.0)				52.1 + (.0)				25.7 + (.0)				39.9 + (.0)		
Max. Mean Daily Inf.			1.9 cfs				1.3 cfs				2.3 cfs				.9 cfs		
Min. Mean Daily Inf.			1.5 cfs				1.2 cfs				.7 cfs				.8 cfs		
Storage Change			3.6 A.F.				24.1 A.F.				22.8 A.F.				13.9 A.F.		

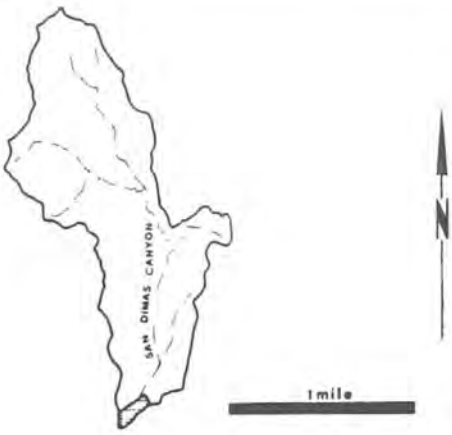
Day	JUNE Gage Height	JUNE Acre-Ft. Storage	JUNE CFS Inflow	JUNE CFS Outflow	JULY Gage Height	JULY Acre-Ft. Storage	JULY CFS Inflow	JULY CFS Outflow	AUGUST Gage Height	AUGUST Acre-Ft. Storage	AUGUST CFS Inflow	AUGUST CFS Outflow	SEPTEMBER Gage Height	SEPTEMBER Acre-Ft. Storage	SEPTEMBER CFS Inflow	SEPTEMBER CFS Outflow	Day
1	1421.4	357.7	.7	.8	1420.8	345.7	.4	.8	1419.2	314.7	.3	.9	1417.8	288.6	.3	.6	1
2	1421.3	355.7	.7	.9	1420.8	345.7	.4	.8	1419.1	312.8	.3	.9	1417.8	288.6	.3	.5	2
3	1421.3	355.7	.7	.9	1420.7	343.8	.4	.8	1419.1	312.8	.3	.9	1417.8	288.6	.3	.5	3
4	1421.3	355.7	.7	.9	1420.7	343.8	.4	.8	1419.0	310.9	.3	.8	1417.8	288.6	.3	.5	4
5	1421.3	355.7	.7	.9	1420.6	341.8	.4	.8	1419.0	310.9	.3	.8	1417.8	288.6	.3	.5	5
6	1421.2	353.7	.7	.9	1420.6	341.8	.4	.8	1418.9	309.0	.3	.8	1417.8	288.6	.3	.5	6
7	1421.2	353.7	.7	.9	1420.5	339.8	.4	.8	1418.8	307.2	.3	.8	1417.8	288.6	.4	.4	7
8	1421.2	353.7	.7	.9	1420.5	339.8	.4	.8	1418.8	307.2	.3	.8	1417.7	286.7	.4	.3	8
9	1421.2	353.7	.7	.9	1420.4	337.9	.4	.8	1418.7	305.3	.3	.8	1417.7	286.7	.3	.3	9
10	1421.2	353.7	.7	.9	1420.4	337.9	.4	.8	1418.7	305.3	.3	.8	1417.7	286.7	.3	.3	10
11	1421.2	353.7	.7	.9	1420.3	335.9	.4	.8	1418.6	303.4	.3	.8	1417.7	286.7	.3	.3	11
12	1421.2	353.7	.7	.9	1420.3	335.9	.4	.8	1418.6	303.4	.3	.8	1417.7	286.7	.3	.3	12
13	1421.2	353.7	.7	.9	1420.2	334.0	.4	.8	1418.5	301.5	.3	.8	1417.7	286.7	.3	.3	13
14	1421.1	351.6	.7	.9	1420.2	334.0	.4	.8	1418.5	301.5	.3	.7	1417.7	286.7	.3	.3	14
15	1421.1	351.6	.7	.9	1420.1	332.0	.4	.9	1418.4	299.7	.3	.7	1417.2	277.6	.6	4.6	15
16	1421.1	351.6	.7	.9	1420.1	332.0	.4	.9	1418.4	299.7	.3	.7	1416.8	270.4	.6	6.7	16
17	1421.1	351.6	.7	.9	1420.0	330.0	.3	.9	1418.3	297.8	.3	.7	1416.2	259.7	.5	9.1	17
18	1421.1	351.6	.7	.9	1419.9	328.1	.3	.9	1418.3	297.8	.3	.7	1415.9	254.4	.5	1.8	18
19	1421.0	349.6	.7	.9	1419.9	328.1	.3	.9	1418.2	295.9	.3	.7	1415.9	254.4	.5	.5	19
20	1421.0	349.6	.7	.9	1419.8	326.2	.3	.9	1418.2	295.9	.3	.7	1415.9	254.4	.5	.5	20
21	1421.0	349.6	.7	.9	1419.8	326.2	.3	.9	1418.1	294.1	.3	.7	1415.9	254.4	.5	.5	21
22	1421.0	349.6	.7	.9	1419.7	324.3	.3	.9	1418.1	294.1	.3	.7	1415.9	254.4	.5	.5	22
23	1420.9	347.7	.7	.9	1419.7	324.3	.3	.9	1418.1	294.1	.3	.6	1415.9	254.4	.5	.5	23
24	1420.9	347.7	.7	.9	1419.6	322.4	.3	.9	1418.1	294.1	.3	.6	1415.9	254.4	.5	.5	24
25	1420.9	347.7	.6	.9	1419.6	322.4	.3	.9	1418.0	292.2	.3	.6	1415.4	246.7	.4	4.8	25
26	1420.9	347.7	.6	.8	1419.5	320.5	.3	.9	1418.0	292.2	.3	.6	1414.5	230.4	2.6	10.3	26
27	1420.9	347.7	.6	.8	1419.5	320.5	.3	.9	1418.0	292.2	.3	.6	1413.5	213.8	1.9	10.3	27
28	1420.9	347.7	.6	.8	1419.4	318.6	.3	.9	1418.0	292.2	.3	.6	1412.4	196.1	1.4	10.3	28
29	1420.9	347.7	.6	.8	1419.3	316.6	.3	.9	1417.9	290.4	.3	.6	1411.4	180.6	2.0	9.8	29
30	1420.8	345.7	.6	.8	1419.3	316.6	.3	.9	1417.9	290.4	.3	.6	1410.2	162.8	.3	9.3	30
31					1419.2	314.7	.3	.9	1417.8	288.5	.2	.6			.3	.8	31
TOTAL			20.4	26.4			10.9	26.5			9.2	22.4			18.5	81.9	
Inf. Ac. Ft.			40.5				21.6				18.2				36.7		
Outf. Ac. Ft.			52.4				52.6				44.4				162.4		
Max. Mean Daily Inf.			.7				.4				.3				2.6		
Min. Mean Daily Inf.			.6				.3				.2				.3		
Storage Change			-12.0				-31.0				-26.2				-125.7		

Max. W.S. Elev. 1426.4 feet on 1/4/72 Storage 508.1 Acre-Feet
Min. W.S. Elev. 1403.7 feet on 10/19/71 Storage 88.6 Acre-Feet
Max. Peak Inf. 77.4 CFS from 4:00 P.M. on 12/24/71 to 6:00 P.M. on 12/24/71
Max. Peak Outf. 12.7 CFS from 12:42 P.M. on 1/6/72 to 4:06 P.M. on 1/6/72

REMARKS: [Indicates average for period.
New Storage Table, No. XIX, effective October 1, 1970.

PUDDINGSTONE DIVERSION DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Diversion of flow and Conservation

DATE CONSTRUCTED -
Started September 1927 - Completed July 1928

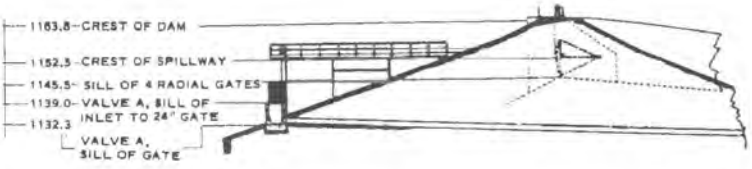
LOCATION - 2.0 miles northeast of San Dimas

DRAINAGE AREA - 3.7 square miles (uncontrolled)
16.2 square miles (controlled)
Total 19.9 square miles

CAPACITY - 148 acre-feet

SPILLWAY ELEVATION - 1,152.0 feet

cross-section



PUDDINGSTONE DIVERSION DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1935-36	304	48	0	304	4	10	85
1936-37	5019	104	0	4646			N.D.
1937-38	11697	1640	0	11506	3	2	5760
1938-39	1288	28	0	1293	1	10	23
1939-40	350	26	0	155	1	8	33
1940-41	7213	133	0	6776	3	14	155
1941-42	341	13	0	203	12	12	24
1942-43	8593	970	0	7939	1	23	2040
1943-44	3406	357	0	3010	2	22	724
1944-45	1719	64	0	1294	2	2	88
1945-46	970	159	0	773	12	23	234
1946-47	1400	55	0	1109	12	26	58
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	0	0	0	0			0
1950-51	0	0	0	0			0
1951-52	3366	158	0	2910	1	16	201
1952-53	0	0	0	0			0
1953-54	628	57	0	429	2	14	82
1954-55	0	0	0	0			0
1955-56	196	34	0	128	1	26	93
1956-57	0	0	0	0			0
1957-58	5938	227	0	5172	4	3	284
1958-59	89	14	0	49	2	18	18
1959-60	0	0	0	0			0
1960-61	146	11	0	64	11	26	137
1961-62	3277	52	0	3106	11	20	2110
1962-63	827	95	0	515	2	9	640
1963-64	112	19	0	67	1	22	55
1964-65	873	69	0	538	4	9	239
1965-66	6471	320	0	5864	11	22	864
1966-67	13656	958	0	12140	12	6	2230
1967-68	2744	62	0	2180	11	30	125
1968-69	35110	2610	0	34200	1	25	5600
1969-70	4005	27	0	2788	3	4	62
1970-71	2181	35	0	1524	12	21	61
1971-72	764	15	0	488	12	24	56

N.D. = NOT DETERMINED

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DIVERSION DAM

1969-70

DRAINAGE AREA 6.87 SQ. MI.
CAPACITY OF RESERVOIR 311.6 AC. FT.
at SPILLWAY ELEVATION 1152.5 FT.
as of October 1969

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
		0	.3	.3
			.3	.3
	1130.0	.0	.4	.4
	1130.0	0	.4	.4
	1130.0	0		
	1130.0	0		
7	1130.0	0		
8	1130.0	0		
9	1130.0	0	.2	.2
10	1130.0	0	.4	.4
11	1130.0	0	0	0
12	1130.0	0	0	0
13	1130.0	0	0	0
14	1130.0	0	0	0
15	1130.4	11.8	6.3	0
16	1130.8	46.2	18.0	0
17	1130.7	55.0	15.9	.7
18	1130.9		17.0	15.1
19	1130.9		15.2	15.0
20	1131.0	57.9	16.5	15.0
21	1131.0	57.9	15.0	15.0
22	1130.0	47.6	9.9	14.1
23	1129.4	42.2	11.0	13.1
24	1130.3	44.5	11.3	12.9
25	1129.	41.7	15.0	13.1
26	1130.2	47.1	15.5	13.1
27	1130.0	48.1	14.6	13.3
28	1130.7	50.1	7.7	13.1
29			10.2	11.0
30	1130.3	50.2	13.4	12.0
31	1130.6	51.8	13.2	12.3
TOTAL			351.2	301.3
Inf. Ac. Ft.			458.6	
Outf. Ac. Ft.			399.3 + (24.6)	
Max. Mean Daily Inf.			18.0 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			34.8 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1140.0	48.1	17.0	12.1
	1140.8	56.3	7.7	
		60.0	5.0	0
		61.0	1.5	
	1141.3	61.0	1.0	0
	1142.4	72.6	7.0	0
	1142.7	75.8	2.9	0
	1142.7	75.8	1.3	
		75.8	1.9	0
		74.4	1.5	
11	1142.7	75.8	1.3	0
12	1142.8	76.7	1.2	0
13	1142.5	73.7	1.2	0
14	1142.5	73.1	1.0	0
15	1142.4	72.6	1.0	0
16	1142.3	71.0	1.0	0
17	1142.3	69.3	1.0	0
18	1142.4	72.0	2.4	
19	1142.8	76.3	3.8	0
20	1143.3	82.4	6.3	0
21	1143.7	86.4	3.6	0
22	1144.0	90.3	3.7	0
23	1144.4	95.0	4.2	0
24	1144.7		3.7	0
25	1145.0	102.1	3.8	0
26	1144.7	98.6	3.7	3.6
27	1143.7	86.9	4.5	8.8
28	1142.7	75.8	3.4	7.7
29	1141.8	66.2	3.7	7.5
30	1141.0	57.9	3.9	7.1
31				
TOTAL			101.5	47.0
Inf. Ac. Ft.			201.4	
Outf. Ac. Ft.			93.2 + (65.1)	
Max. Mean Daily Inf.			17.0 cfs	
Min. Mean Daily Inf.			1. cf.	
Storage Change			23.1 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1141.1	68.9	3.9	2.4
	1141.5	63.1	4	0
	1142.3	71.5	5.4	0
	1142.5	73.7	2.4	0
	1143.4	85.5	2.1	0
	1144.2	92.7	5.3	0
	1144.8	95.8	5.5	0
	1144.6	94.8	6.6	6.2
		81.3		9.5
		69.3		5.8
11	1141.2	70.0	4.6	4.3
12	1140.4	61.5	4.4	7.9
13	1139.6	54.1	4.4	7.3
14	1139.0	58.7	4.6	6.8
15	1138.4	53.5	4.2	6.4
16	1138.9	57.8	4.6	1.8
17	1139.5	67.1	5.3	0
18	1139.7	66.8	4.1	0
19	1141.5	63.1	5.1	0
20	1142.3	71.5	5.4	0
21	1143.0	79.1	5.2	0
22	1143.7	86.4	5.3	0
23	1143.1	80.2	4.4	0
24	1143.6	85.8	4.7	3.4
25	1143.2	81.3	4.3	5.1
26	1142.8	76.9	4.3	5.1
27	1142.5	73.7	4.6	4.9
28	1142.2	70.4	4.3	4.9
29	1142.0	68.3	4.1	4.6
30	1141.9	67.2	4.6	4.0
31	1141.9	66.7	4.6	3.8
	1141.8	66.2	4.6	3.8
TOTAL			144.7	105.6
Inf. Ac. Ft.			287.1	
Outf. Ac. Ft.			208.7 + (70.2)	
Max. Mean Daily Inf.			6.6 cfs	
Min. Mean Daily Inf.			2.4 cfs	
Storage Change			9.2 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1141.8	67.7	4.1	5.0
	1141.7	65.2	4.1	4.6
		65.2		4.0
		65.2		4.8
	1141.7	64.6	4.8	4.0
	1141.7	64.6	5.1	4.0
	1141.6	64.1	4.9	4.0
	1141.7	66.2	4.2	2.5
				0
				0
11	1141.7	66.2	.7	0
12	1141.6	64.1	.7	0
13	1141.6	64.1	.7	0
14	1141.5	63.1	.7	0
15	1141.4	62.1	.7	0
16	1141.6	64.1	.7	0
17	1141.6	64.1	.6	0
18				0
19	1141.4	62.1	.6	0
20	1141.4	62.1	.6	0
21	1141.3	61.0	.6	0
22	1141.2	60.0	.6	0
23	1141.2	60.0	.6	0
24	1141.1	58.9	.6	0
25	1141.0	57.9	.6	0
26	1140.9	56.9	.6	0
27	1140.8	55.9	.6	0
28	1140.8	55.9	.6	0
29	1140.7	55.0	.6	0
30	1140.7	55.0	.6	0
31	1140.6	54.0	.6	0
TOTAL			93.4	30.5
Inf. Ac. Ft.			185.9	
Outf. Ac. Ft.			60.5 + (57.7)	
Max. Mean Daily Inf.			5.1 cfs	
Min. Mean Daily Inf.			.6 cfs	
Storage Change			-12.2 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1140.5	53.0	.4	0
2	1140.0	48.1	5.1	5.8
3	1142.9	87.1	12.0	11.7
4	1139.8	46.2	11.7	11.5
5	1139.8	46.2	12.0	11.3
6	1139.7	45.5	11.5	11.3
7	1139.7	45.5	12.0	11.3
8	1139.6	44.5	11.5	11.3
9	1139.8	46.2	9.7	8.0
10	1140.3	51.0	3.2	0
11	1141.5	63.1	12.3	5.2
12	1141.7	65.2	14.8	12.7
13	1141.8	66.2	14.4	12.7
14	1141.9	67.2	14.3	12.7
15	1141.9	67.2	13.8	12.7
16	1141.8	66.2	13.3	12.7
17	1141.7	65.2	13.3	12.7
18	1141.6	64.1	13.3	12.7
19	1140.8	55.9	9.1	12.4
20	1139.9	47.1	.5	3.6
21	1139.9	47.1	.5	0
22	1139.9	47.1	.5	0
23	1139.8	46.2	.5	0
24	1139.8	46.2	.5	0
25	1139.7	45.3	.4	0
26	1139.7	45.3	.4	0
27	1139.6	44.3	.4	0
28	1140.5	55.9		0
29				
30				
31				
TOTAL			218.5	193.3
Inf. Ac. Ft.			433.0	
Outf. Ac. Ft.			383.4 + (47.6)	
Max. Mean Daily Inf.			14.8 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			1.9 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1144.6	97.4	25.7	2.9
2	1144.8	99.5	13.9	10.8
3	1143.9	89.1	6.8	9.9
4	1146.1	118.4	27.0	9.7
5	1146.3	120.4	11.4	8.0
6	1145.8	115.6	24.1	10.8
7	1149.0	155.8	23.7	11.3
8	1150.1	170.3	24.2	11.7
9	1150.8	183.5	22.3	12.2
10	1151.2	189.8	20.8	12.7
11	1151.4	193.1	19.3	12.7
12	1151.5	194.8	18.0	12.2
13	1151.5	194.8	17.4	12.4
14	1151.6	196.5	18.5	12.7
15	1151.6	196.5	17.7	12.7
16	1151.6	196.5	17.7	12.7
17	1151.0	186.5	17.5	17.9
18	1150.1	172.3	13.1	20.0
19	1149.0	155.8	15.1	19.7
20	1148.3	145.7	12.8	19.5
21	1147.3	131.7	14.8	19.0
22	1146.2	117.1	13.5	18.5
23	1145.2	104.5	13.5	17.7
24	1144.3	93.9	13.1	16.7
25	1143.8	88.1	11.1	12.4
26	1144.4	93.6	9.2	9.9
27	1142.8	76.9	7.7	9.7
28	1142.0	68.3	6.4	9.5
29	1141.2	60.0	5.8	9.0
30	1140.5	53.0	6.0	8.6
31	1140.5	53.0	9.0	8.3
TOTAL			487.1	392.5
Inf. Ac. Ft.			966.1	
Outf. Ac. Ft.			778.5 + (190.6)	
Max. Mean Daily Inf.			27.0 cfs	
Min. Mean Daily Inf.			5.8 cfs	
Storage Change			-2.9 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1140.9	56.9	11.0	8.1
	1140.8	55.9	8.5	8.1
	1141.1	58.9	7.7	5.2
	1141.9	67.2	6.3	0
	1142.6	74.7	9.1	0
	1143.1	80.2	4.4	0
	1143.7	86.9	4.4	0
	1144.3	93.9	4.3	0
	1144.7	98.6	4.3	0
	1145.2	104.6	5.0	0
	1145.6	109.6	4.7	0
	1146.9	113.1	4.2	0
	1148.6	150.0	22.0	0
	1151.1	188.1	24.0	0
	1150.6	180.2	4.9	4.4
	1149.7	166.3	7.2	10.2
	1148.9	154.4	7.5	9.9
	1148.3	142.8	7.1	9.7
	1147.6	135.8	8.8	9.3
	1146.8	125.0	6.1	8.0
	1146.2	117.1	7.2	8.8
	1145.5	121.0	8.3	5.5
	1147.3	131.7	8.4	0
	1148.0	141.4	9.1	0
	1148.5	148.6	7.0	0
	1149.1	157.3	9.2	0
	1149.7	166.3	8.5	0
	1150.2	173.9	8.1	0
	1150.3	175.5	3.1	3.1
	1150.1	173.3	8.8	8.2
TOTAL			236.2	95.5
Inf. Ac. Ft.			470.0	
Outf. Ac. Ft.			389.4 + (161.2)	
Max. Mean Daily Inf.			24.0 cfs	
Min. Mean Daily Inf.			4.1 cfs	
Storage Change			119.3 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1149.8	167.8	8.0	6.2
	1149.4	161.8	7.1	6.2
	1149.0	156.8	6.9	6.2
	1149.2	159.8	8.4	9.1
	1149.5	167.8	8.6	8.0
	1150.4	177.0	9.1	9
	1150.9	184.9	10.2	1.6
	1150.9	184.9	9.0	8.4
	1150.9	184.9	9.0	8.4
	1150.8	183.3	8.2	8.3
	1150.6	180.2	7.3	8.4
	1150.5	178.6	8.0	8.4
	1150.3	175.5	7.2	8.4
	1150.0	170.8	6.2	8.4
	1149.8	167.8	7.0	8.4
	1149.4	161.8	5.3	8.4
	1149.1	157.3	6.9	8.4
	1148.8	152.9	5.8	8.4
	1148.5	148.6	6.6	8.4
	1148.3	145.7	6.3	8.4
	1148.0	141.4	5.4	8.4
	1147.8	138.6	5.9	8.2
	1147.6	135.8	6.0	8.4
	1147.4	133.1	5.7	8.2
	1147.2	130.3	5.4	8.0
	1147.1	128.9	6.1	8.0
	1147.0	127.6	6.1	8.0
	1147.0	127.6	6.6	8.8
	1146.9	126.3	5.8	8.8
	1146.8	125.0	5.8	8.8
	1146.5	121.9	4.4	8.8
TOTAL			213.5	225.9
Inf. Ac. Ft.			423.5	
Outf. Ac. Ft.			249.7 + (325.1)	
Max. Mean Daily Inf.			10.2 cfs	
Min. Mean Daily Inf.			4.4 cfs	
Storage Change			-51.2 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1146.2	117.1	4.1	3.7
2	1145.9	113.3	4.0	3.7
3	1145.7	110.8	4.6	3.7
4	1145.4	107.1	3.9	3.7
5	1145.1	103.4	3.8	3.7
6	1144.8	99.8	3.6	3.5
7	1144.6	97.4	4.2	3.5
8	1144.3	93.9	3.8	3.5
9	1144.1	91.5	3.8	3.5
10	1144.1	91.5	3.8	3.3
11	1144.0	90.3	4.4	3.3
12	1144.0	90.3	5.0	3.3
13	1144.0	90.3	5.0	3.3
14	1144.0	90.3	4.8	3.1
15	1143.8	88.1	3.6	3.1
16	1143.7	86.9	4.1	3.1
17	1143.6	85.8	4.1	3.1
18	1143.5	84.7	4.1	3.1
19	1143.3	82.4	3.5	3.1
20	1143.2	81.3	4.0	3.1
21	1143.1	80.2	3.9	3.1
22	1143.0	79.1	3.9	3.1
23	1143.0	79.1	4.5	3.1
24	1143.1	80.2	5.1	3.1
25	1143.2	81.3	5.2	3.1
26	1143.3	82.4	5.2	3.1
27	1143.2	81.3	4.0	3.1
28	1143.0	79.1	4.4	3.1
29	1142.9	78.0	4.0	3.1
30	1142.9	78.0	4.5	3.1
31				
TOTAL			126.9	98.2
Inf. Ac. Ft.			251.8	
Outf. Ac. Ft.			194.7 + (160.1)	
Max. Mean Daily Inf.			5.2 cfs	
Min. Mean Daily Inf.			3.4 cfs	
Storage Change			-83.0 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1142.8	76.9	4.0	3.1
	1142.7	75.8	4.0	3.3
	1142.5	73.7	4.5	3.3
	1142.2	70.4	2.4	2.8
	1141.8	66.2	1.1	2.1
	1141.4	62.1	1.0	2.1
	1141.1	58.9	1.7	2.3
	1140.9	56.9	1.7	1.8
	1140.7	55.0	1.9	2.0
	1140.4	50.0	1.3	2.0
	1140.0	48.1	.7	1.9
	1139.7	45.3	1.2	1.9
	1139.4	42.5	1.2	1.9
	1139.1	39.8	1.1	1.9
	1138.8	37.0	1.2	2.0
	1138.6	35.2	1.5	1.9
	1138.3	32.6	1.1	1.9
	1138.0	30.0	1.0	1.9
	1137.8	28.4	1.5	1.9
	1137.6	26.8	1.5	1.9
	1138.0	30.0	2.9	.9
	1138.7	36.1	4.0	.3
	1139.3	41.5	3.6	.2
	1139.5	43.4	2.8	1.2
	1139.5	43.4	1.8	1.1
	1139.5	43.4	1.8	1.1
	1139.5	43.4	1.9	1.2
	1139.5	43.4	1.8	1.1
	1139.5	43.4	1.9	1.2
	1139.5	43.4	2.2	1.5
	1139.9	47.1	2.7	.2
TOTAL			68.2	64.0
Inf. Ac. Ft.			135.4	
Outf. Ac. Ft.			107.1 + (47.2)	
Max. Mean Daily Inf.			4.0 cfs	
Min. Mean Daily Inf.			.7 cfs	
Storage Change			-30.8 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1140.2	59.0	2.0	.8
	1140.5	53.0	2.0	.8
	1140.7	55.0	2.0	.6
	1141.0	57.9	2.0	.6
	1141.3	61.0	2.0	.6
	1141.5	63.1	2.0	.6
	1141.7	65.2	2.0	.6
	1141.8	66.2	2.0	.7
	1141.9	67.2	2.0	.7
	1142.0	68.3	2.0	.9
	1142.1	69.3	2.0	.9
	1142.1	69.3	2.0	.8
	1142.2	70.4	1.9	.9
	1142.2	70.4	1.9	1.1
	1142.2	70.4	1.9	1.1
	1142.2	70.4	1.9	1.1
	1142.2	70.4	1.9	1.0
	1142.1	69.3	1.9	.9
	1142.1	69.3	1.9	.9
	1142.1	69.3	1.9	.8
	1142.0	68.3	1.9	.8
	1142.0	68.3	1.9	.8
	1141.9	67.2	1.9	.8
	1141.8	66.2	1.9	1.1
	1140.9	56.9	1.9	2.3
	1140.4	52.0	1.9	1.9
	1140.0	48.1	1.9	1.5
	1139.6	44.3	1.9	1.5
	1139.3	41.5	1.9	1.4
	1139.3	41.5	1.9	1.0
	1139.3	41.5	1.9	.9
TOTAL			60.7	30.9
Inf. Ac. Ft.			119.4	
Outf. Ac. Ft.			81.2 + (63.7)	
Max. Mean Daily Inf.			2.0 cfs	
Min. Mean Daily Inf.			1.9 cfs	
Storage Change			-5.6 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
	1139.3	41.5	1.7	1.0
	1139.3	41.5	1.9	1.2
	1139.3	41.5	1.9	1.2
	1139.4	41.5	1.8	1.1
	1139.3	41.5	1.8	1.1
	1139.4	42.5	2.2	1.0
	1139.4	42.5	1.6	.9
	1139.4	42.5	1.7	1.0
	1139.5	43.4	2.2	1.9
	1139.6	44.3	2.2	1.9
	1139.7	45.3	2.2	1.0
	1139.9	47.1	2.8	1.1
	1140.1	49.0	2.9	1.1
	1140.5	53.0	4.0	1.1
	1141.0	57.9	4.5	1.0
	1141.4	62.1	4.0	.9
	1141.7	65.2	3.5	.8
	1141.9	67.2	3.0	.9
	1142.1	69.3	3.3	1.0
	1142.3	71.5	3.4	1.1
	1142.4	72.6	3.5	1.1
	1142.5	73.7	3.2	1.1
	1142.6	74.7	3.2	1.1
	1142.8	76.9	3.0	1.1
	1143.0	79.1	3.0	1.1
	1143.0	79.1	2.5	1.1
	1143.1	80.2	3.1	1.1
	1143.2	81.3	3.2	1.1
	1143.4	83.6	3.7	1.1
TOTAL			83.3	31.4
Inf. Ac. Ft.			165.2	
Outf. Ac. Ft.			62.2 + (60.8)	
Max. Mean Daily Inf.			4.4 cfs	
Min. Mean Daily Inf.			1.6 cfs	
Storage Change			40.0 A.F.	

Max. W.S. Elev.	1151.6	feet	on 5/14-17/70	Storage	196.4	Acre-Feet
Min. W.S. Elev.	1130.0	feet	on various days	Storage	0	Acre-Feet
Max. Peak Inf.	92	CFS from 9:00 P.M.	on 3/4/70	to 10:00 P.M.	on 3/4/70	
Max. Peak Outf.	44	CFS from 10:30 P.M.	on 3/4/70	to 12:12 A.M.	on 3/5/70	

REMARKS:
- ⌐ indicates average for period
- ( ) indicates percolation losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DIVERSION DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 8.87 SQ. MI.
CAPACITY OF RESERVOIR 211.8 AC. FT.
at SPILLWAY ELEVATION 1152.5 FT.
as of October 19 88

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1143.5	84.7	3.6	1.2	1145.1	61.3	3.6	1.2
2	1143.6	85.8	3.9	1.4	1145.1	61.3	3.6	1.2
3	1143.7	86.9	4.0	1.5	1145.1	61.3	3.6	1.2
4	1143.8	88.1	4.0	1.5	1144.9	59.5	2.8	1.4
5	1143.9	89.2	4.0	1.6	1144.5	56.1	1.8	1.4
6	1144.1	91.5	5.0	1.8	1144.1	52.7	1.7	1.4
7	1144.2	92.7	4.3	1.6	1143.7	49.4	1.7	1.4
8	1144.3	93.9	4.3	1.6	1143.3	46.2	1.4	1.2
9	1144.4	95.0	4.3	1.6	1142.9	43.1	1.2	1.1
10	1144.4	95.0	3.6	1.5	1142.5	40.2	1.1	1.1
11	1144.4	95.0	3.5	1.4	1142.1	37.2	1.1	1.2
12	1144.5	96.2	4.0	1.2	1141.6	33.9	.8	1.7
13	1144.5	96.2	3.4	1.2	1140.5	27.8	.6	3.0
14	1144.5	96.2	3.4	1.2	1139.3	20.9	.5	2.9
15	1144.5	96.2	3.3	1.1	1138.1	19.9	.7	.4
16	1144.6	97.4	3.9	1.1	1136.5	9.2	0	4.9
17	1144.6	97.4	3.4	1.2	1133.1	.7	0	3.2
18	1144.6	97.4	3.4	1.2	1132.3	.2	0	0
19	1144.5	96.2	2.8	1.2	1132.3	.2	0	0
20	1144.4	95.0	2.8	1.2	1132.3	.2	0	0
21	1144.5	96.2	4.0	1.2	1132.3	.2	0	0
22	1144.6	97.4	4.0	1.2	1132.3	.2	0	0
23	1144.7	98.6	3.9	1.1	1132.3	.2	0	0
24	1144.8	99.8	4.0	1.1	1132.3	.2	0	0
25	1144.9	100.9	4.0	1.1	1132.3	.2	0	0
26	1145.0	102.1	4.0	1.1	1132.3	.2	0	0
27	1145.1	103.4	4.1	1.1	1132.7	.4	0	0
28	1145.1	103.4	3.5	1.1	1132.8	.5	.2	0
29	1145.2	104.6	4.1	1.1	1142.0	36.5	15.6	0
30	1145.1	103.4	2.9	1.1	1142.2	38.0	2.2	0
31	1145.1	103.4	3.6	1.2				
TOTAL			117.2	39.7			48.4	29.4
Inf. Ac. Ft.	232.5				96.0			
Outf. Ac. Ft.	78.7 + (134.1)				58.3 + (61.1)			
Max. Mean Daily Inf.	5.0 cfs				19.6 cfs			
Min. Mean Daily Inf.	2.8 cfs				0 cfs			
Storage Change	19.7 A.F.				-23.3 A.F.			

Day	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1142.2	38.0	1.5	0	1145.2	62.2	13.9	12.0
2	1142.4	39.4	2.2	40	1144.9	59.5	12.7	11.7
3	1142.4	39.4	1.5	0	1144.6	56.9	12.5	11.5
4	1142.4	39.4	1.5	0	1143.1	44.6	5.8	10.1
5	1142.3	38.7	1.1	0	1143.4	47.0	10.1	7.1
6	1142.3	38.7	1.5	0	1144.9	59.5	16.3	7.7
7	1142.3	38.7	1.5	0	1145.3	63.2	12.2	7.9
8	1142.3	38.7	1.5	0	1146.2	71.7	12.4	8.1
9	1142.4	39.4	1.9	0	1146.3	72.7	9.3	8.3
10	1142.4	39.4	1.5	0	1146.0	69.7	7.8	8.3
11	1142.3	38.7	1.1	0	1145.8	67.8	7.2	8.1
12	1142.3	38.7	1.5	0	1145.7	66.9	7.6	8.1
13	1142.7	41.6	3.1	0	1145.3	63.2	6.2	8.1
14	1142.8	42.4	1.9	0	1145.6	65.9	9.3	7.9
15	1142.5	40.2	5.6	5.1	1146.5	74.8	12.8	8.1
16	1141.7	34.5	9.9	11.5	1147.1	81.0	12.6	8.6
17	1140.8	28.8	9.3	10.8	1147.5	85.5	11.9	8.6
18	1141.6	33.9	13.8	10.0	1147.8	88.9	11.9	8.8
19	1143.8	50.2	14.5	4.4	1148.0	91.1	11.9	8.8
20	1143.3	46.2	10.2	10.4	1148.2	93.6	11.9	9.0
21	1145.6	65.9	35.0	22.5	1148.4	96.0	11.9	9.0
22	1145.7	66.9	15.5	12.4	1148.6	98.5	11.9	9.0
23	1146.2	71.7	17.4	12.2	1148.7	99.7	11.9	9.0
24	1146.3	72.7	15.8	12.4	1148.8	101.0	11.9	9.0
25	1146.4	73.8	15.8	12.4	1148.8	101.0	11.1	9.0
26	1146.4	73.8	15.3	12.4	1148.8	101.0	10.3	9.0
27	1146.3	72.7	14.8	12.4	1148.8	101.0	9.8	9.0
28	1146.1	70.7	14.2	12.4	1148.8	101.0	9.8	9.0
29	1145.9	68.7	13.9	12.2	1148.3	94.8	6.3	9.0
30	1145.6	65.9	13.2	12.0	1147.6	86.6	4.7	8.8
31	1145.3	63.2	13.1	12.0	1146.8	77.8	4.2	8.6
TOTAL			270.5	197.5			320.1	275.2
Inf. Ac. Ft.	536.5				634.9			
Outf. Ac. Ft.	391.7 + (119.6)				545.9 + (74.4)			
Max. Mean Daily Inf.	35.0 cfs				16.3 cfs			
Min. Mean Daily Inf.	1.1 cfs				4.2 cfs			
Storage Change	-25.1 A.F.				14.6 A.F.			

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1146.0	69.7	4.2	8.3	1146.0	69.7	.9	0
2	1145.3	63.2	5.0	8.3	1146.1	70.7	1.1	0
3	1144.5	56.1	4.3	7.9	1146.3	72.7	1.0	0
4	1143.8	50.2	4.3	7.5	1146.4	73.8	.8	0
5	1143.1	44.6	4.3	7.1	1146.6	75.8	1.0	0
6	1142.4	39.4	4.1	6.8	1146.7	76.8	.8	0
7	1141.8	35.2	4.3	6.4	1146.7	76.8	.6	0
8	1141.1	30.6	4.1	6.0	1146.8	77.8	.6	0
9	1139.8	23.4	1.9	5.5	1146.9	78.9	.9	0
10	1138.1	15.4	1.1	4.7	1147.0	79.9	.9	0
11	1138.2	15.8	1.8	1.6	1147.1	81.0	.9	0
12	1139.2	20.4	2.3	0	1147.2	82.1	.9	0
13	1140.0	24.3	2.0	0	1147.9	90.0	4.3	0
14	1140.7	28.3	2.0	0	1148.0	91.1	2.0	0
15	1141.4	32.6	2.2	0	1148.1	92.3	2.0	0
16	1142.2	38.0	2.7	0	1147.4	84.4	2.0	3.8
17	1143.0	43.9	3.0	0	1146.0	69.7	1.5	6.2
18	1143.4	47.0	1.6	0	1144.6	56.9	1.5	6.6
19	1143.8	50.2	1.6	0	1143.1	44.6	1.5	6.4
20	1144.1	52.7	1.2	0	1141.5	33.2	1.5	5.8
21	1144.4	55.2	1.3	0	1139.6	22.4	1.5	5.5
22	1144.6	56.9	1.4	0	1139.3	20.9	1.5	1.9
23	1144.8	58.7	1.4	0	1139.7	22.9	1.5	0
24	1145.1	61.3	1.3	0	1140.1	24.9	1.5	0
25	1145.3	63.2	.9	0	1140.4	26.6	1.5	0
26	1145.5	65.0	.9	0	1140.7	28.3	1.4	0
27	1145.7	66.9	.9	0	1141.0	30.0	1.2	0
28	1145.8	67.8	.9	0	1141.3	31.9	1.0	0
29					1141.5	33.2	.9	0
30					1141.8	35.2	.9	0
31					1142.0	36.5	.9	0
TOTAL			67.0	69.7			40.5	36.2
Inf. Ac. Ft.	132.9				80.3			
Outf. Ac. Ft.	138.2 + (4.8)				71.8 + (39.9)			
Max. Mean Daily Inf.	5.0 cfs				4.3 cfs			
Min. Mean Daily Inf.	.9 cfs				.6 cfs			
Storage Change	-10.0 A.F.				-31.3 A.F.			

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1142.2	38.0	.8	0	1143.9	51.0	.2	0
2	1142.4	39.4	.8	0	1143.8	50.2	.2	0
3	1142.6	40.9	.9	0	1142.7	41.6	.1	3.9
4	1142.7	41.6	1.1	0	1140.0	24.3	.1	7.7
5	1142.9	43.1	1.2	0	1137.4	15.6	.1	4.7
6	1143.0	43.9	1.5	0	1135.9	7.1	.1	1.9
7	1143.1	44.6	1.7	0	1134.2	2.6	.1	1.5
8	1143.2	45.4	1.7	0	1134.1	2.3	.1	.5
9	1143.3	46.2	1.7	0	1134.0	2.1	.1	0
10	1143.4	47.0	1.7	0	1133.9	2.0	0	0
11	1143.5	47.8	1.7	0	1133.8	1.8	0	0
12	1143.6	48.6	1.5	0	1133.7	1.7	0	0
13	1143.7	49.4	1.5	0	1133.7	1.7	0	0
14	1143.8	50.2	1.5	0	1133.6	1.5	0	0
15	1143.9	51.0	1.4	0	1133.6	1.5	0	0
16	1144.0	51.8	1.4	0	1133.5	1.3	0	0
17	1144.1	52.7	1.2	0	1133.5	1.3	0	0
18	1144.2	53.5	1.8	0	1133.4	1.2	0	0
19	1144.3	54.4	1.3	0	1133.3	1.0	0	0
20	1144.4	55.2	1.2	0	1133.3	1.0	0	0
21	1144.5	56.1	1.1	0	1133.2	.9	0	0
22	1144.5	56.1	1.1	0	1133.1	.7	0	0
23	1144.5	56.1	.7	0	1133.1	.7	0	0
24	1144.4	55.2	.2	00	1133.0	.6	0	0
25	1144.3	54.4	.2	0	1133.0	.6	0	0
26	1144.3	54.4	.2	0	1132.9	.5	0	0
27	1144.2	53.5	.2	0	1132.9	.5	0	0
28	1144.1	52.7	.2	0	1132.8	.5	0	0
29	1144.0	51.8	.2	0	1132.8	.5	0	0
30	1144.0	51.8	.2	0	1132.7	.4	0	0
31					1132.7	.4	0	0
TOTAL			31.9	0			1.1	20.0
Inf. Ac. Ft.	63.3				2.3			
Outf. Ac. Ft.	0 + (48.0)				39.6 + (13.8)			
Max. Mean Daily Inf.	1.8 cfs				.2 cfs			
Min. Mean Daily Inf.	.2 cfs				0 cfs			
Storage Change	15.3 A.F.				-51.4 A.F.			

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1132.7	.4	0	0			0	0
2	1132.6	.3	0	0			0	0
3	1132.6	.3	0	0			0	0
4	1132.6	.3	0	0			0	0
5	1132.5	.3	0	0			0	0
6	1132.5	.3	0	0			0	0
7	1132.5	.3	0	0			0	0
8	1132.5	.3	0	0			0	0
9	1132.4	.2	0	0			0	0
10	1132.4	.2	0	0			0	0
11	1132.4	.2	0	0			0	0
12	1132.3	.2	0	0			0	0
13	1132.3	.2	0	0			0	0
14	1132.3	.2	0	0		NO STORAGE	0	0
15	1132.2	.1	0	0			0	0
16	1132.2	.1	0	0			0	0
17	1132.2	.1	0	0			0	0
18	1132.1	.1	0	0			0	0
19	1132.1	.1	0	0			0	0
20	1132.1	.1	0	0			0	0
21	1132.1	.1	0	0			0	0
22	1132.0	0	0	0			0	0
23	1132.0	0	0	0			0	0
24	1132.0	0	0	0			0	0
25	1132.0	0	0	0			0	0
26	1132.0	0	0	0			0	0
27	1132.0	0	0	0			0	0
28	1132.0	0	0	0			0	0
29	1132.0	0	0	0			0	0
30	1132.0	0	0	0			0	0
31							0	0
TOTAL			0	0			0	0
Inf. Ac. Ft.	0				0			
Outf. Ac. Ft.	0 + (0.4)				0			
Max. Mean Daily Inf.	0 cfs				0			
Min. Mean Daily Inf.	0 cfs				0			
Storage Change	-.4 A.F.				0			

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1132.0	0	0	0	1140.2	25.5	6.6	0
2	1132.0	0	0	0	1141.6	33.9	8.0	0
3	1132.0	0	0	0	1141.6	33.9	9.9	3.4
4	1132.0	0	0	0	1141.0	30.0	5.9	4.9
5	1132.0	0	0	0	1140.5	27.2	5.9	4.6
6	1132.0	0	0	0	1140.1	24.9	5.9	4.2
7	1132.0	0	0	0	1139.7	22.9	5.9	4.0
8	1132.0	0	0	0	1139.5	21.9	5.9	4.0
9	1132.0	0	0	0	1139.5	21.9	5.9	3.7
10	1132.0	0	0	0	1139.5	21.9	5.9	3.5
11	1132.0	0	0	0	1139.5	21.9	5.9	3.2
12	1132.0	0	0	0	1140.0	24.3	5.9	3.4
13	1132.0	0	0	0	1140.5	27.2	5.9	3.1
14	1132.0	0	0	0	1140.9	29.4	5.9	3.3
15	1132.0	0	0	0	1141.2	31.3	7.7	3.5
16	1132.0	0	0	0	1141.5	33.2	6.7	3.5
17	1132.0	0	0	0	1141.8	35.2	6.6	3.3
18	1132.0	0	0	0	1142.2	38.0	5.6	2.9
19	1132.0	0	0	0	1142.4	39.4	5.6	2.6
20	1132.0	0	0	0	1142.7	41.6	6.6	2.9
21	1132.0	0	0	0	1142.7	41.6	6.6	2.9
22	1132.0	0	0	0	1142.7	41.6	6.6	3.7
23	1132.0	0	0	0	1142.7	41.5	6.6	3.7
24	1132.0	0	0	0	1142.7	41.6	6.6	3.7
25	1132.0	0	0	0	1142.7	41.6	6.6	3.8
26	1132.0	0	0	0	1142.7	41.6	6.6	3.8
27	1132.0	0	0	0	1142.7	41.6	6.6	3.7
28	1132.0	0	0	0	1142.6	40.9	6.6	3.8
29	1132.0	0	0	0	1142.5	40.3	5.9	3.8
30	1134.9	4.2	2.2	0	1142.4	39.4	5.9	3.8
31	1138.0	15.0	6.6	0				
TOTAL			8.8	0			193.8	100.7
Inf. Ac. Ft.	17.5				384.4			
Outf. Ac. Ft.	0 + (2.5)				199.7 + (160.2)			
Max. Mean Daily Inf.	6.6 cfs				9.9 cfs			
Min. Mean Daily Inf.	0 cfs				5.6 cfs			
Storage Change	15.0 A.F.				24.4 A.F.			

Max. W.S. Elev.	1148.8	feet	on 1/27/71	Storage 100.9	Acre-Feet			
Min. W.S. Elev.	1132.0	feet	on various days	Storage 0	Acre-Feet			
Max. Peak Inf.	60.9	CFS from 7:00 a.m.	on 12/21/70	to 9:00 a.m.	on 12/21/70			
Max. Peak Outf.	52.4	CFS from 12:36 p.m.	on 12/21/70	to 1:00 p.m.	on 12/21/70			

REMARKS: ( ) indicates percolation losses; annual total includes 42.1 acre-feet lost due to siltation.
* the revised survey of November 1970 shows a reservoir capacity of 156.3 acre-feet at spillway elevation 1152.5.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DIVERSION DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 3.87 SQ. MI.
CAPACITY OF RESERVOIR 158.3 AC. FT.
@ SPILLWAY ELEVATION 1152.5 FT.
as of November, 19 70

Day	OCTOBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	DECEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JANUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1142.3	[illegible]	5.4	3.8	1136.9	10.6	0	0	1134.8	4.0	0	0	1143.7	49.4	0	0	1
2	1142.1	37.2	5.1	3.8	1136.8	10.2	0	0	1134.8	4.0	0	0	1143.5	47.8	0	0	2
3	1141.9	35.0	5.1	3.8	1136.7	9.9	0	0	1134.8	4.0	0	0	1143.3	46.2	0	0	3
4	1141.7	34.5	5.1	3.8	1136.6	9.5	0	0	1134.7	3.7	0	0	1143.2	45.4	5.0	4.7	4
5	1141.5	33.2	5.1	4.0	1136.5	9.2	0	0	1134.7	3.7	0	0	1143.4	47.0	9.1	7.5	5
6	1141.2	31.3	3.7	3.8	1136.4	8.5	0	0	1134.7	3.7	0	0	1143.5	47.8	8.7	7.5	6
7	1141.9	35.8	8.4	3.8	1136.3	8.5	0	0	1134.6	3.5	0	0	1143.5	47.8	8.3	7.5	7
8	1142.2	38.0	8.3	4.0	1136.1	7.8	0	0	1134.5	3.3	0	0	1143.6	48.6	8.7	7.5	8
9	1142.7	41.6	8.3	4.2	1136.0	7.4	0	0	1134.5	3.3	0	0	1143.7	49.4	8.7	7.5	9
10	1143.1	44.6	7.3	4.4	1136.0	7.4	0	0	1134.4	3.0	0	0	1143.7	[illegible]	8.3	7.5	10
11	1143.4	47.0	7.0	4.6	1135.9	7.1	0	0	1134.3	2.8	0	0	1143.3	44.2	6.7	7.5	11
12	1143.6	48.6	7.0	4.3	1135.8	6.8	0	0	1134.2	2.6	0	0	1143.2	45.4	7.6	7.3	12
13	1143.8	50.2	7.4	5.1	1135.7	6.5	0	0	1134.1	2.3	0	0	1143.1	44.6	7.6	7.3	13
14	1143.7	49.4	6.1	5.1	1135.7	6.5	0	0	1134.1	2.3	0	0	1143.0	43.9	7.6	7.3	14
15	1143.2	45.4	7.5	5.5	1135.6	6.2	0	0	1134.1	2.3	0	0	1142.8	42.4	6.8	6.8	15
16	1142.8	42.4	7.5	5.1	1135.5	5.9	0	0	1134.1	2.3	0	0	1142.5	40.2	6.3	6.8	16
17	1142.6	40.9	7.5	5.1	1135.4	5.6	0	0	1134.0	2.1	0	0	1141.8	35.2	4.9	6.8	17
18	1142.2	38.0	7.5	5.1	1135.3	5.3	0	0	1134.0	2.1	0	0	1142.2	37.9	4.9	2.9	18
19	1141.1	30.6	.8	5.1	1135.0	4.4	0	0	1133.9	2.0	0	0	1143.2	45.4	4.6	0	19
20	1139.6	22.4	0	4.9	1135.0	4.4	0	0	1133.9	2.0	0	0	1144.0	51.8	4.1	0	20
21	1138.0	15.0	0	4.9	1135.0	4.4	0	0	1134.0	2.1	.2	0	1144.6	56.9	3.6	0	21
22	1137.7	13.8	0	2.5	1134.9	4.2	0	0	1135.2	5.0	1.7	0	1145.1	61.3	3.3	0	22
23	1137.7	13.8	0	0	1134.9	4.2	0	0	1135.3	5.3	.4	0	1145.5	65.0	3.1	0	23
24	1137.7	13.8	0	0	1134.9	4.2	0	0	1141.4	32.6	14.7	0	1146.0	69.7	3.1	0	24
25	1137.6	13.4	0	0	1134.9	4.2	0	0	1142.7	41.6	5.9	0	1146.3	72.7	2.7	0	25
26	1137.5	13.0	0	0	1134.9	4.2	0	0	1143.1	44.6	2.9	0	1146.6	75.8	2.7	0	26
27	1137.4	12.6	0	0	1134.9	4.2	0	0	1143.9	51.0	4.9	0	1146.2	71.7	3.0	3.8	27
28	1137.4	12.6	0	0	1134.9	4.2	0	0	1144.3	54.4	3.5	0	1144.8	58.7	2.9	8.1	28
29	1137.3	12.2	0	0	1134.9	4.2	0	0	1144.3	54.4	1.3	0	1143.5	47.8	2.9	7.5	29
30	1137.2	11.8	0	0	1134.8	4.0	0	0	1144.1	52.7	0	0	1142.0	36.5	2.8	6.8	30
31	1137.0	11.0	0	0					1143.9	51.0	0	0	1140.7	28.3	2.7	6.4	31
TOTAL			120.1	97.3			0	0			36.0	0			150.7	135.0	
Inf. Ac. Ft.			238.2				0				71.4				298.9		
Outf. Ac. Ft.			192.9 + (73.7)				0 + (7.0)				0 + (24.4)				267.8 + (53.8)		
Max. Mean Daily Inf.			8.4 cfs				0 cfs				14.7 cfs				9.1 cfs		
Min. Mean Daily Inf.			0 cfs				0 cfs				0 cfs				0 cfs		
Storage Change			-28.4 A.F.				-7.0 A.F.				47.0 A.F.				-22.7 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1140.6	27.7	1.8	1.8	1143.7	49.4	0	0	1137.7	13.8	0	0	1135.4	5.6	0	0	1
2	1140.8	[illegible]	.9	0	1143.6	48.6	0	0	1137.6	13.4	0	0	1135.3	5.3	0	0	2
3	1141.0	30.0	.9	0	1143.5	47.8	0	0	1137.5	13.0	0	0	1135.2	5.0	0	0	3
4	1141.2	31.3	.9	0	1143.4	47.0	0	0	1137.4	12.6	0	0	1135.2	5.0	0	0	4
5	1141.4	32.6	.9	0	1143.4	47.0	0	0	1137.3	12.2	0	0	1135.1	4.7	0	0	5
6	1141.7	34.5	1.2	0	1143.2	45.4	0	0	1137.3	12.2	0	0	1135.0	4.4	0	0	6
7	1142.1	37.2	1.7	0	1142.0	36.5	0	3.7	1137.2	11.8	0	0	1135.0	4.4	0	0	7
8	1142.3	38.7	1.1	0	1139.7	22.8	0	5.6	1137.1	11.4	0	0	1134.9	4.2	0	0	8
9	1142.5	40.2	1.1	0	1138.1	15.4	0	2.9	1137.0	11.0	0	0	1134.9	4.2	0	0	9
10	1142.7	41.6	1.1	0	1138.1	15.4	0	0	1136.9	10.6	0	0	1134.8	4.0	0	0	10
11	1142.8	42.4	.9	0	1138.2	15.8	0	0	1136.8	10.2	0	0	1134.8	4.0	0	0	11
12	1142.9	43.1	.9	0	1138.2	15.8	0	0	1136.7	9.9	0	0	1134.7	3.7	0	0	12
13	1143.0	43.9	.9	0	1138.2	15.8	0	0	1136.7	9.9	0	0	1134.6	3.5	0	0	13
14	1143.1	44.6	.9	0	1138.2	15.[illegible]	0	0	1136.6	9.5	0	0	1134.6	3.5	0	0	14
15	1143.1	44.6	.9	0	1138.2	15.8	0	0	1136.5	9.2	0	0	1134.5	3.3	0	0	15
16	1143.1	44.6	.9	0	1138.2	15.8	0	0	1136.4	8.8	0	0	1134.4	3.0	0	0	16
17	1143.1	44.6	.9	0	1138.2	15.8	0	0	1136.3	8.5	0	0	1134.4	3.0	0	0	17
18	1143.2	45.4	.9	0	1138.2	15.8	0	0	1136.3	8.5	0	0	1134.3	2.8	0	0	18
19	1143.3	46.2	.9	0	1138.2	15.8	0	0	1136.2	8.1	0	0	1134.3	2.8	0	0	19
20	1143.4	47.0	.9	0	1138.2	15.8	0	0	1136.1	7.8	0	0	1134.3	2.8	0	0	20
21	1143.5	47.8	1.1	0	1138.2	15.8	0	0	1136.1	7.8	0	0	1134.2	2.6	0	0	21
22	1143.6	48.6	1.1	0	1138.2	15.8	0	0	1136.0	7.4	0	0	1134.1	2.3	0	0	22
23	1143.7	49.4	1.4	0	1138.1	15.4	0	0	1135.9	7.1	0	0	1134.1	2.3	0	0	23
24	1143.8	50.2	1.4	0	1138.1	15.4	0	0	1135.9	7.1	0	0	1134.0	2.1	0	0	24
25	1143.9	51.0	1.4	0	1138.0	15.0	0	0	1135.8	6.8	0	0	1134.0	2.1	0	0	25
26	1144.0	51.8	1.4	0	1137.9	14.6	0	0	1135.7	6.5	0	0	1134.0	2.1	0	0	26
27	1144.0	51.8	.5	0	1137.[illegible]	14.2	0	0	1135.6	6.2	0	0	1134.0	2.1	0	0	27
28	1143.9	51.0	.3	0	1137.7	13.8	0	0	1135.5	5.9	0	0	1134.0	2.1	0	0	28
29	1143.8	50.2	.3	0	1137.7	13.8	0	0	1135.5	5.9	0	0	1134.0	2.1	0	0	29
30					1137.7	13.8	0	0	1135.4	5.6	0	0	1134.0	2.1	0	0	30
31					1137.7	13.8	0	0					1134.0	2.1	0	0	31
TOTAL			29.5	1.8			0	12.2			0	0			0	0	
Inf. Ac. Ft.			58.5				0				0				0		
Outf. Ac. Ft.			3.6 + (32.9)				24.1 + (12.3)				0 + (8.1)				0 + (3.4)		
Max. Mean Daily Inf.			1.8 cfs				0 cfs				0 cfs				0 cfs		
Min. Mean Daily Inf.			.3 cfs				0 cfs				0 cfs				0 cfs		
Storage Change			22.0 A.F.				-36.4 A.F.				-8.1 A.F.				-3.4 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1133.6	1.5	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	1
2	1133.5	1.3	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	2
3	1133.5	1.3	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	3
4	1133.4	1.2	-	-	1132.1	+			1132.1	+	-	0	1132.[illegible]		-		4
5	1133.4	1.2	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	5
6	1133.3	1.0	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	6
7	1133.2	.9	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	7
8	1133.2	.9	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	8
9	1133.1	.7	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	9
10	1133.1	.7	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	10
11	1133.0	.6	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	11
12	1133.0	.6	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	12
13	1132.9	.5	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	13
14	1132.8	.5	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.0	0	0	0	14
15	1132.8	.5	0	0	1132.1	+	0	0	1132.1	+	0	0	1132.8	0	.5	0	15
16	1132.6	.4	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.0	2.1	3.7	0	16
17	1132.6	.3	0	0	1132.1	+	0	0	1132.1	+	0	0	1135.1	4.7	3.1	0	17
18	1132.2	.1	0	0	1132.1	+	0	0	1132.1	+	0	0	[illegible]	5.3	.5	0	18
19	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1135.0	4.4	0	0	19
20	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.[illegible]	4.6	0	0	20
21	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.6	3.5	0	0	21
22	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.4	3.0	0	0	22
23	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.3	2.8	0	0	23
24	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1134.2	2.6	0	0	24
25	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1135.3	5.3	2.0	0	25
26	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1137.9	14.5	8.0	0	26
27	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1139.7	22.8	8.0	0	27
28	1132.1	+	0	0	1132.1	+	0	0	1132.1	+	0	0	1140.8	28.8	8.0	0	28
29	1132.1	+	0	0	1132.1	+	0	0	1132.1	0	0	0	1141.6	33.8	7.3	0	29
30	1132.1	+	0	0	1132.1	+	0	0	1132.1	0	0	0	1142.2	37.9	6.7	0	30
31					1132.1	+	0	0	1132.1	0	0	0					31
TOTAL			0	0			0	0			0	0			48.8	0	
Inf. Ac. Ft.			0				0				0				96.8		
Outf. Ac. Ft.			0 + (2.1)				0				0				0 + (58.9)		
Max. Mean Daily Inf.			0				0				0				8.0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change			-2.1				0				0				+37.9		

Max. W.S. Elev. 1146.7 feet on 1/27/72 Storage 76.8 Acre-Feet
Min. W.S. Elev. 1132.0 feet on Various Days Storage 0 Acre-Feet
Max. Peak Inf. 56.0 CFS from 1:30 P.M. on 12/24/71 to 3:30 P.M. on 12/24/71
Max. Peak Outf. 8.6 CFS from 1:34 P.M. on 1/27/72 to 5:00 A.M. on 1/28/72
REMARKS: ( ) Indicates percolation and other losses.

PUDDINGSTONE DAM AND RESERVOIR

drainage area

PURPOSE - Flood Control and Recreation

DATE CONSTRUCTED -
Started February 1925 - Completed January 1928

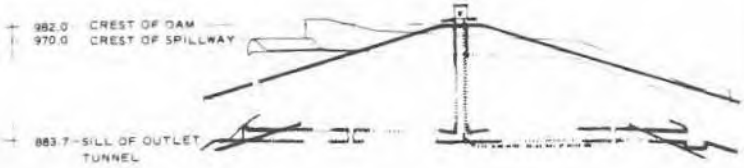
LOCATION - 1.0 mile south of San Dimas

DRAINAGE AREA - 11.0 square miles (uncontrolled)
22.1 square miles (controlled)
Total 33.1 square miles

CAPACITY - 16,856 acre-feet

SPILLWAY ELEVATION - 970.0 feet

cross-section



PUDDINGSTONE DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	ANNUAL AF	INFLOW MAX-DAY CFS	MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1928-29	114	12	0	151			N.D.
1929-30	295	15	0	223			N.D.
1930-31	73	8.5	0	119			N.D.
1931-32	1547	162	0	1086			N.D.
1932-33	314	30	0	906			N.D.
1933-34	2669	596	0	1809			N.D.
1934-35	610	N.D.	N.D.	846	1	15	205
1935-36	703	54	0	969	4	10	590
1936-37	5732	303	0	2173	2	6	1480
1937-38	12221	2200	0	7544	3	2	5310
1938-39	1576	101	0	5305			N.D.
1939-40	646	54	0	2524	1	7	448
1940-41	12030	377	0	3308	3	4	1080
1941-42	475	30	0	4385	12	10	409
1942-43	10043	1130	0	4836	1	23	2300
1943-44	3408	525	0	3178	2	22	1030
1944-45	1615	139	0	2376	11	11	484
1945-46	1591	275	0	6009	12	23	929
1946-47	1414	96	0	788	11	13	445
1947-48	324	31	0	362	12	5	195
1948-49	336A	21	0	201	3	13	240
1949-50	493	55	0	140	2	6	178
1950-51	182	15	0	145	1	29	162
1951-52	4673	353	0	1857	1	16	952
1952-53	928	32	0	1140	12	1	358
1953-54	31282A	244	0	31609	1	25	600
1954-55	26065A	255	0	23287	11	11	338
1955-56	57309A	458	0	50771	1	26	1360
1956-57	50583A	216	0	53781	1	13	262
1957-58	6670	302	0	1976	4	3	690
1958-59	394	68	0	72	1	6	871
1959-60	837	80	0	40	1	12	148
1960-61	10900A	198	0	9416	11	6	179
1961-62	4463	173	0	33	12	2	963
1962-63	927	139	0	464	2	10	325
1963-64	594	43	0	0	1	22	242
1964-65	2675	153	0	7401	4	9	1770
1965-66	10456	444	0	3066	11	22	1590
1966-67	11508	1090	0	9988	12	6	2440
1967-68	15811	174	0	14275	3	8	760
1968-69	36802	2830	0	35754	1	25	4340
1969-70	1650	163	0.2	+	3	1	507
1970-71	1494	149	0.1	4094	12	18	385
1971-72	1007	186	+	+	12	24	538

N.D. = NOT DETERMINED
\+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.
A = ANNUAL ACRE-FEET INCLUDES IMPORTED WATER

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DAM

1969-70

DRAINAGE AREA 32.1 SQ. MI.
CAPACITY OF RESERVOIR 18,456 AC. FT.
at SPILLWAY ELEVATION 970.0 FT.
as of December 1, 1969

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	[illegible]	6294.7	.5	+
2	940.3	6294.0	.5	+
3	940.3	6287.3	.5	+
4	940.2	6286.5	.5	+
5	940.2	6279.8	.5	+
6	940.2	6279.1	.5	+
7	940.2	6267.4	.5	+
8	940.2	6266.8	.5	+
9	940.1	6257.5	.5	+
10	940.1	6254.2	.5	+
11	940.1	6252.5	.5	+
12	940.1	6247.5	.5	+
13	940.1	6245.2	.5	+
14	940.1	6240.1	.5	+
15	940.1	6237.8	.5	+
16	940.1	6232.1	.5	+
17	940.0	6231.8	.5	+
18	940.0	6227.1	.4	+
19	940.0	6227.1	.4	+
20	940.0	6222.1	.4	+
21	940.0	6217.9	.4	+
22	940.0	6215.4	.4	+
23	940.0	6213.0	.4	+
24	940.0	6213.0	.4	+
25	[illegible]	[illegible]	.4	+
26	939.9	[illegible]	.4	-
27	939.9	6205.8	.4	+
28	939.9	6203.3	.4	+
29	939.9	6200.9	.4	+
30	939.9	6198.5	.4	+
31	939.9	6196.1	.4	+
TOTAL			14.1	+
Inf. Ac. Ft.			28.0	
Outf. Ac. Ft.			+ + (139.1)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			-101.1 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	939.9	6191.4	.7	+
2	939.9	6188.8	.7	+
3	939.8	6186.4	.8	+
4	939.8	6184.0	.8	+
5	939.8	6184.0	.8	+
6	940.3	6307.3	55.0	+
7	940.3	6307.2	10.3	+
8	940.3	6304.7	.5	+
9	940.3	6302.2	.5	+
10	940.3	6299.7	.5	+
11	940.3	6299.7	.5	+
12	940.3	6297.2	.5	+
13	940.3	6297.2	.5	+
14	940.3	6297.2	.5	+
15	940.3	6297.2	.5	+
16	940.2	6294.7	.5	+
17	940.3	6292.3	.5	+
18	940.3	6289.8	.4	+
19	940.3	6287.3	.4	+
20	940.3	6284.8	.4	+
21	940.2	6282.3	.4	+
22	940.2	6279.8	.4	+
23	940.2	6277.3	.4	+
24	940.2	6274.9	.4	+
25	940.2	6272.4	.4	+
26	940.2	6269.9	.4	+
27	940.2	6267.4	.4	+
28	940.2	6264.9	.4	+
29	940.2	6262.4	.4	+
30	940.2	6262.4	.4	+
TOTAL			76.3	+
Inf. Ac. Ft.			151.3	
Outf. Ac. Ft.			+ + (85.1)	
Max. Mean Daily Inf.			52.0 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			66.3 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	940.2	6260.0	.8	+
2	940.1	6257.5	.8	+
3	940.1	6255.0	.8	+
4	940.1	6255.0	.8	+
5	940.1	6252.5	.8	+
6	940.1	6252.5	.8	+
7	940.1	6250.0	.8	+
8	940.1	6250.0	.8	+
9	940.1	6250.0	.8	+
10	940.1	6250.0	.8	+
11	940.1	6250.0	.8	+
12	940.1	6247.5	.8	+
13	940.1	6247.5	.8	+
14	940.1	6247.5	.8	+
15	940.1	6247.5	.8	+
16	940.1	6250.0	.8	+
17	940.1	6250.0	.8	+
18	940.1	6250.0	.8	+
19	940.1	6250.0	.8	+
20	940.1	6247.5	.8	+
21	940.1	6247.5	.8	+
22	940.1	6247.5	.8	+
23	940.1	6247.5	.8	+
24	940.1	6250.0	.8	+
25	940.1	6250.0	.8	+
26	940.1	6250.0	.8	+
27	940.1	6250.0	.8	+
28	940.1	6247.5	.8	+
29	940.1	6245.0	.8	+
30	940.1	6242.6	.8	+
31	940.1	6240.1	.8	+
TOTAL			19.9	+
Inf. Ac. Ft.			38.7	
Outf. Ac. Ft.			+ + (66.8)	
Max. Mean Daily Inf.			.7 cfs	
Min. Mean Daily Inf.			.8 cfs	
Storage Change			-27.1 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	940.1	6240.1	.8	+
2	940.0	6237.6	.8	+
3	940.0	6235.2	.8	+
4	940.0	6232.7	.8	+
5	940.0	6230.2	.8	+
6	940.0	6227.7	.8	+
7	940.0	6227.7	.8	+
8	940.0	6225.2	.8	+
9	940.0	6222.7	.8	+
10	940.0	6220.3	.8	+
11	940.0	6217.9	.8	+
12	940.0	6227.7	3.7	+
13	940.1	6240.1	6.3	+
14	940.1	6242.6	1.5	+
15	940.1	6242.6	.8	+
16	940.1	6242.6	2.6	+
17	940.1	6247.5	5.0	+
18	940.2	6267.4	20.4	+
19	940.3	6277.2	.8	+
20	940.3	6277.2	.8	+
21	940.3	6277.2	.8	+
22	940.3	6277.2	.8	+
23	940.3	6277.2	.8	+
24	940.3	6277.2	.8	+
25	940.3	6277.2	.8	+
26	940.3	6277.2	.8	+
27	940.3	6277.2	.8	+
28	940.3	6277.2	.8	+
29	940.3	6277.2	.8	+
30	940.3	6277.2	.8	+
31	940.3	6277.2	.8	+
TOTAL			47.6	+
Inf. Ac. Ft.			94.4	
Outf. Ac. Ft.			+ + (39.7)	
Max. Mean Daily Inf.			20.4 cfs	
Min. Mean Daily Inf.			.2 cfs	
Storage Change			54.6 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	940.3	6284.8	.7	+
2	940.2	6282.3	.7	+
3	940.2	6282.3	.7	+
4	940.2	6282.3	.7	+
5	940.2	6282.3	.8	+
6	940.2	6282.3	.8	+
7	940.2	6279.8	.8	+
8	940.2	6279.8	.8	+
9	940.2	6282.3	1.9	+
10	941.0	6463.6	91.4	+
11	941.0	6473.7	5.0	+
12	941.0	6476.2	1.7	+
13	941.0	6476.2	.6	+
14	941.0	6476.2	.6	+
15	941.0	6473.7	.6	+
16	941.0	6471.1	.6	+
17	941.0	6468.6	.6	+
18	941.0	6466.6	.6	+
19	941.0	6461.6	.6	+
20	941.0	6458.7	.5	+
21	940.9	6456.2	.5	+
22	940.9	6456.2	.5	+
23	940.9	6453.7	.5	+
24	940.9	6451.2	.5	+
25	940.9	6451.2	.5	+
26	940.9	6448.7	.5	+
27	940.9	6448.7	.5	+
28	941.4	6581.0	66.7	+
29				
30				
31				
TOTAL			180.9	+
Inf. Ac. Ft.			358.8	
Outf. Ac. Ft.			+ + (67.6)	
Max. Mean Daily Inf.			91.4 cfs	
Min. Mean Daily Inf.			.5 cfs	
Storage Change			291.1 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	942.7	6905.1	163.4	+
2	943.1	7005.1	40.5	+
3	943.4	7010.7	3.6	+
4	943.6	7153.5	76.4	+
5	943.8	7202.0	24.5	+
6	943.8	7207.4	3.3	+
7	943.8	7212.8	3.3	+
8	943.9	7218.2	3.3	+
9	943.9	7220.9	3.3	+
10	943.9	7226.3	3.3	+
11	943.9	7231.7	3.3	+
12	943.9	7234.3	3.3	+
13	943.9	7237.0	3.2	+
14	943.9	7237.0	3.2	+
15	943.9	7237.0	1.2	+
16	943.9	7237.0	1.2	+
17	943.9	7239.7	1.2	+
18	943.9	7237.0	1.2	+
19	943.9	7237.0	1.2	+
20	943.9	7237.0	1.2	+
21	943.9	7237.0	1.2	+
22	943.9	7234.3	1.2	+
23	943.9	7234.3	1.2	+
24	943.9	7231.7	1.2	+
25	943.9	7231.7	1.2	+
26	943.9	7231.7	1.2	+
27	943.9	7229.0	1.2	+
28	943.9	7226.3	1.2	+
29	943.9	7223.6	1.2	+
30	943.9	7226.3	1.2	+
31	943.9	7223.6	1.2	+
TOTAL			365.6	+
Inf. Ac. Ft.			725.2	
Outf. Ac. Ft.			+ + (82.5)	
Max. Mean Daily Inf.			163.4 cfs	
Min. Mean Daily Inf.			1.2 cfs	
Storage Change			642.5 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	943.9	7223.6	.8	+
2	943.9	7218.2	.8	+
3	943.8	7212.8	.8	+
4	943.8	7212.8	.8	+
5	943.8	7207.4	.8	+
6	943.8	7207.4	.8	+
7	943.8	7207.4	.8	+
8	943.8	7202.0	.8	+
9	943.8	7199.3	.8	+
10	943.8	7199.3	.8	+
11	943.8	7199.3	.8	+
12	943.8	7196.6	.8	+
13	943.8	7193.9	.8	+
14	943.7	7188.5	.8	+
15	943.7	7186.8	.8	+
16	943.7	7183.1	.8	+
17	943.7	7177.8	.8	+
18	943.7	7177.8	.8	+
19	943.7	7175.1	.8	+
20	943.7	7172.4	.8	+
21	943.7	7169.7	.8	+
22	943.7	7169.7	.8	+
23	943.7	7169.7	.8	+
24	943.6	7161.6	.8	+
25	943.6	7156.2	.8	+
26	943.6	7156.2	.8	+
27	943.6	7153.5	.8	+
28	943.6	7148.1	.8	+
29	943.6	7145.4	.8	+
30	943.6	7140.0	.8	+
31	943.6	7137.3	.8	+
TOTAL			23.9	+
Inf. Ac. Ft.			47.4	
Outf. Ac. Ft.			+ + (126.3)	
Max. Mean Daily Inf.			.8 cfs	
Min. Mean Daily Inf.			.7 cfs	
Storage Change			-88.2 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	943.5	7131.2	.8	+
2	943.5	7129.8	.8	+
3	943.5	7126.2	.8	+
4	943.5	7118.5	.8	+
5	943.5	7115.8	.8	+
6	943.5	7115.8	.8	+
7	943.5	7110.4	.7	+
8	943.4	7107.7	.7	+
9	943.4	7105.0	.7	+
10	943.4	7102.3	.7	+
11	943.4	7099.6	.7	+
12	943.4	7094.2	.7	+
13	943.4	7091.5	.7	+
14	943.4	7088.8	.7	+
15	943.4	7086.1	.7	+
16	943.4	7083.4	.7	+
17	943.3	7075.3	.7	+
18	943.3	7072.6	.7	+
19	943.3	7067.3	.7	+
20	943.3	7064.6	.7	+
21	943.3	7061.9	.7	+
22	943.3	7056.5	.7	+
23	943.2	7053.8	.7	+
24	943.2	7048.4	.7	+
25	943.2	7045.7	.7	+
26	943.2	7043.0	.7	+
27	943.2	7040.3	.7	+
28	943.2	7037.6	.7	+
29	943.2	7034.9	.7	+
30	943.2	7032.2	.7	+
31	943.2	7029.5	.7	+
TOTAL			20.3	+
Inf. Ac. Ft.			94.2	
Outf. Ac. Ft.			+ + (149.4)	
Max. Mean Daily Inf.			.8 cfs	
Min. Mean Daily Inf.			.7 cfs	
Storage Change			-105.2 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	943.1	7026.6	.5	+
2	943.1	7021.4	.5	+
3	943.1	7018.7	.5	+
4	943.1	7016.1	.5	+
5	943.1	7010.7	.5	+
6	943.1	7005.3	.5	+
7	943.1	7002.6	.5	+
8	943.0	6997.2	.5	+
9	943.0	6997.2	.5	+
10	943.0	6994.5	.5	+
11	943.0	6991.8	.5	+
12	943.0	6989.1	.5	+
13	943.0	6989.9	.5	+
14	943.0	6978.6	.5	+
15	943.0	6976.0	.5	+
16	942.9	6973.4	.5	+
17	942.9	6970.7	.5	+
18	942.9	6968.1	.5	+
19	942.9	6965.5	.6	+
20	942.9	6962.9	.5	+
21	942.9	6960.2	.5	+
22	942.9	6957.6	.5	+
23	942.9	6949.7	.5	+
24	942.8	6946.5	.4	+
25	942.8	6949.2	.4	+
26	942.8	6948.0	.4	+
27	942.8	6941.4	.4	+
28	942.8	6939.5	.4	+
29	942.7	6918.3	.4	+
30	942.7	6913.0	.4	-
31				
TOTAL			14.3	+
Inf. Ac. Ft.			28.4	
Outf. Ac. Ft.			+ + (145.0)	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			-116.5 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	942.7	6910.3	.9	+
2	942.7	6905.1	.8	+
3	942.7	6899.9	.8	+
4	942.6	6894.6	.8	+
5	942.6	6892.0	.8	+
6	942.6	6889.4	.8	+
7	942.6	6881.5	.8	+
8	942.6	6878.8	.8	+
9	942.6	6877.0	.8	+
10	942.5	6874.3	.8	+
11	942.5	6869.1	.8	+
12	942.5	6867.7	.8	+
13	942.5	6860.0	.8	+
14	942.5	6854.7	.8	+
15	942.4	6852.5	.8	+
16	942.4	6849.2	.8	+
17	942.4	6851.6	.8	+
18	942.4	6826.4	.8	+
19	942.4	6821.1	.8	+
20	942.3	6815.2	.8	+
21	942.3	6810.6	.8	+
22	942.3	6809.4	.8	+
23	942.3	6801.1	.8	+
24	942.2	6798.2	.8	+
25	942.2	6789.4	.8	+
26	942.2	6784.4	.8	+
27	942.2	6776.5	.8	+
28	942.2	6773.9	.8	+
29	942.2	6766.0	.8	+
30	942.1	6758.1	.8	+
31	942.1	6752.9	.8	+
TOTAL			25.2	+
Inf. Ac. Ft.			50.0	
Outf. Ac. Ft.			+ + (210.0)	
Max. Mean Daily Inf.			.9 cfs	
Min. Mean Daily Inf.			.8 cfs	
Storage Change			-160.1 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	942.1	6747.6	.7	+
2	942.1	6742.4	.7	+
3	942.0	737.1	.7	+
4	942.0	6731.9	.7	+
5	942.0	6726.6	.7	+
6	942.0	6721.3	.7	+
7	942.0	6716.0	.7	+
8	941.9	6711.3	.7	+
9	941.9	6706.2	.7	+
10	941.9	6701.1	.7	+
11	941.9	6695.9	.7	+
12	941.9	6690.8	.7	+
13	941.8	6685.7	.7	+
14	941.8	6680.6	.7	+
15	941.8	6675.5	.7	+
16	941.8	6670.4	.7	+
17	941.8	6665.3	.7	+
18	941.7	6660.2	.7	+
19	941.7	6655.1	.7	+
20	941.7	6652.5	.7	+
21	941.7	6647.4	.7	+
22	941.7	6644.8	.7	+
23	941.7	6637.1	.7	+
24	941.6	6634.5	.7	+
25	941.6	6629.4	.7	+
26	941.6	6621.8	.7	+
27	941.6	6616.7	.7	+
28	941.6	6611.6	.7	+
29	941.6	6606.5	.7	+
30	941.5	6601.4	.7	+
31	941.5	6596.3	.6	+
TOTAL			22.2	+
Inf. Ac. Ft.			41.3	
Outf. Ac. Ft.			+ + (197.3)	
Max. Mean Daily Inf.			.7 cfs	
Min. Mean Daily Inf.			.6 cfs	
Storage Change			-156.0 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	941.5	6491.2	.7	+
2	941.4	6483.5	.7	+
3	941.4	6581.0	.7	+
4	941.4	6575.9	.7	+
5	941.4	6573.3	.7	+
6	941.4	6568.2	.7	+
7	941.3	6560.5	.7	+
8	941.3	6555.4	.7	+
9	941.3	6550.4	.7	+
10	941.3	6545.3	.7	+
11	941.3	6540.2	.7	+
12	941.3	6540.2	.7	+
13	941.2	6532.4	.7	+
14	941.2	6527.3	.7	+
15	941.2	6524.8	.7	+
16	941.2	6519.6	.7	+
17	941.2	6517.1	.7	+
18	941.2	6512.0	.7	+
19	941.1	6506.9	.7	+
20	941.1	6501.8	.7	+
21	941.1	6499.2	.7	+
22	941.1	6496.7	.7	+
23	941.1	6496.7	.7	+
24	941.1	6494.1	.7	+
25	941.1	6486.4	.7	+
26	941.0	6478.8	.7	+
27	941.0	6471.1	.7	+
28	941.0	6466.1	.7	+
29	941.0	6461.2	.8	+
30	941.0	6456.2	.8	+
31				
TOTAL			21.2	+
Inf. Ac. Ft.			42.0	
Outf. Ac. Ft.			+ + (172.7)	
Max. Mean Daily Inf.			.8 cfs	
Min. Mean Daily Inf.			.7 cfs	
Storage Change			-137.6 A.F.	

Max. W.S. Elev.	943.9	feet on	3/18/70	Storage	7099.7	Acre-Feet
Min. W.S. Elev.	939.8	feet on	11/4/69	Storage	6184.0	Acre-Feet
Max. Peak Inf.	507	CFS from	12:00 noon	on	3/1/70	to 1:00 P.M. on 3/1/70
Max. Peak Outf.	-	CFS from	---	on	various days	to ---

REMARKS: + indicates average for period
[ ] indicates evaporation and other losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DAM

1970-71

DRAINAGE AREA 33.1 SQ. MI.
CAPACITY OF RESERVOIR 19,888 AC. FT.
at SPILLWAY ELEVATION 970.0 FT.,
as of November 1, 1965

DAM HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	940.9	6456.2	.5	+	940.6	6379.2	.4	+	941.7	6648.3	.8	+	942.6	6878.9	.9	64.0	1
2	940.9	6451.2	.5	+	940.6	6376.7	.4	+	941.7	6659.1	6.4	+	942.1	6790.5	.8	67.5	2
3	940.9	6451.2	.5	+	940.6	6374.2	.4	+	941.7	6662.5	.3	+	941.6	6611.6	.8	67.5	3
4	940.9	6451.2	.5	+	940.6	6371.7	.4	+	941.7	6650.0	.3	+	941.0	6476.2	.8	67.5	4
5	940.9	6451.2	.5	+	940.6	6371.7	.4	+	941.7	6650.0	.3	+	940.5	6339.4	.8	67.5	5
6	940.9	6448.7	.5	+	940.6	6371.7	.4	+	941.7	6647.5	.2	+	939.9	6203.3	.8	67.5	6
7	940.9	6446.3	.5	+	940.6	6369.3	.3	+	941.7	6644.8	.2	+	939.5	6070.5	.8	67.5	7
8	940.9	6446.3	.5	+	940.6	6366.8	.3	+	941.7	6644.8	.2	+	938.8	5936.0	.8	67.5	8
9	940.9	6443.8	.5	+	940.6	6364.3	.3	+	941.8	6665.3	10.6	+	938.2	5798.7	.8	67.5	9
10	940.9	6441.3	.5	+	940.6	6361.8	.3	+	941.8	6666.3	1.0	+	937.7	5673.5	.8	66.2	10
11	940.9	6438.8	.5	+	940.6	6359.3	.3	+	941.8	6667.3	1.0	+	937.3	5583.8	.8	44.7	11
12	940.9	6436.3	.5	+	940.6	6359.3	.3	+	941.8	6668.3	1.0	+	937.4	5604.5	11.4	1.0	12
13	940.9	6436.3	.6	+	940.5	6356.8	.3	+	941.8	6669.3	1.0	+	937.4	5616.0	6.8	1.0	13
14	940.9	6433.8	.5	+	940.5	6354.4	.3	+	941.9	6688.3	11.6	+	937.3	5600.7	2.6	12.1	14
15	940.8	6431.4	.5	+	940.5	6351.9	.3	+	941.8	6685.7	2.7	+	936.9	5490.1	2.4	18.6	15
16	940.8	6428.9	.5	+	940.5	6349.4	.3	+	941.9	6695.9	2.7	+	936.3	5369.4	2.4	64.5	16
17	940.8	6426.4	.5	+	940.5	6346.9	.3	+	941.9	6701.1	.7	+	935.8	5282.7	2.4	64.5	17
18	940.8	6423.9	.5	+	940.5	6344.4	.3	+	942.0	6711.5	10.2	+	935.2	5170.6	2.4	63.0	18
19	940.8	6421.4	.5	+	940.5	6341.9	.3	+	942.5	6857.9	70.0	+	934.5	5058.1	2.4	82.9	19
20	940.8	6418.9	.4	+	940.5	6341.9	.3	+	942.6	6886.7	18.2	+	933.7	4988.5	2.4	94.0	20
21	940.8	6416.5	.4	+	940.5	6339.4	.3	+	943.7	7181.1	149.4	+	932.6	4848.6	2.4	122.9	21
22	940.8	6414.0	.3	+	940.5	6339.4	.3	+	943.8	7196.6	7.1	+	931.1	4781.9	2.4	137.0	22
23	940.8	6411.5	.4	+	940.5	6337.0	.3	+	943.2	7199.3	2.7	+	929.7	4908.2	2.4	135.0	23
24	940.8	6409.0	.4	+	940.5	6334.5	.3	+	943.8	7199.5	.6	+	928.2	1749.1	2.4	132.0	24
25	940.7	6404.0	.3	+	940.5	6341.9	4.2	+	943.8	7199.5	.6	+	926.7	1698.9	2.4	126.0	25
26	940.7	6399.1	.4	+	940.6	6361.8	10.7	-	943.8	7199.3	.6	+	925.2	1652.6	2.4	126.0	26
27	940.7	6396.6	.3	+	940.6	6361.8	1.0	+	943.8	7198.8	.6	+	924.7	3183.6	2.4	44.0	27
28	940.7	6394.1	.4	+	940.9	6441.1	80.9	+	943.8	7198.9	.6	+	924.7	3185.4	2.4	1.0	28
29	940.7	6391.6	.3	+	941.6	6634.6	97.4	+	943.8	7199.1	.6	+	924.7	3185.4	2.3	1.0	29
30	940.7	6386.6	.3	+	941.7	6660.3	3.9	+	943.6	7142.7	.6	77.4	924.7	3185.4	2.3	1.0	30
31	940.6	6381.7	.4	+					943.1	7018.2	.6	59.1	924.7	3185.4	2.3	1.0	31
TOTAL			14.3	+			166.0	+			302.9	96.5			70.0	1977.8	
Inf. Ac. Ft.			28.4				339.3				600.8				138.8		
Def. Ac. Ft.			+ (105.3)				+ (68.6)				121.5 + (92.8)				3900.9 + (51.3)		
Max. Mean Daily Inf.			.5 cfs				97.5 cfs				149.4 cfs				11.4 cfs		
Min. Mean Daily Inf.			.4 cfs				.3 cfs				.2 cfs				.8 cfs		
Storage Change			-37.9 A.F.				562.6 A.F.				476.4 A.F.				-3835.3 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	924.7	3184.9	.8	+	925.1	3251.1	.2	+	925.3	3282.0	.2	+	925.2	3264.2	.4	+	1
2	924.7	3184.9	.8	+	925.1	3250.5	.2	+	925.3	3280.5	.8	+	925.2	3262.6	.4	+	2
3	924.7	3184.9	.8	+	925.1	3248.0	.1	+	925.3	3278.9	.8	+	925.1	3261.1	.4	+	3
4	924.7	3184.9	.8	+	925.1	3246.9	.1	+	925.3	3277.4	.6	+	925.1	3259.2	.4	+	4
5	924.7	3184.9	.8	+	925.1	3243.3	.1	+	925.3	3275.9	.6	+	925.1	3258.5	.3	+	5
6	924.7	3186.4	.8	+	925.1	3241.8	.1	+	925.3	3274.3	.6	+	925.0	3256.7	3.4	+	6
7	924.7	3186.4	.7	+	925.1	3240.3	.1	+	925.3	3272.7	.6	+	925.0	3260.4	3.9	+	7
8	924.7	3186.4	.7	+	925.1	3238.7	.1	+	925.3	3271.2	.6	+	925.0	3261.9	1.3	+	8
9	924.7	3186.4	.7	+	925.1	3237.1	.1	+	925.3	3269.6	.6	+	925.0	3260.4	.3	+	9
10	924.7	3186.4	.7	+	925.0	3235.6	.1	+	925.3	3268.1	.6	+	925.0	3258.8	.3	+	10
11	924.7	3187.9	.7	+	925.0	3234.0	.1	+	925.2	3266.6	.6	+	925.0	3257.3	.3	+	11
12	924.7	3187.9	.7	+	925.0	3234.0	.1	+	925.2	3265.0	.6	+	925.0	3257.3	.3	+	12
13	924.7	3187.9	.7	+	925.4	3291.3	29.3	+	925.2	3263.5	.6	+	925.0	3255.7	.3	+	13
14	924.7	3187.9	.7	+	925.4	3291.3	1.0	+	925.2	3266.6	2.4	+	925.0	3254.2	.3	+	14
15	924.7	3187.9	.7	+	925.4	3291.3	.7	+	925.2	3266.6	.8	+	925.2	3252.6	.3	+	15
16	924.8	3205.7	9.0	+	925.4	3291.3	.7	+	925.3	3268.1	1.3	+	925.1	3251.1	.3	+	16
17	925.2	3254.2	24.8	+	925.4	3291.3	.7	+	925.3	3271.2	2.4	+	925.1	3248.0	.4	+	17
18	925.2	3255.7	1.1	+	925.4	3289.8	.7	+	925.3	3272.7	1.6	+	925.1	3244.9	.4	+	18
19	925.2	3257.3	1.0	+	925.4	3288.2	.6	+	925.3	3269.6	.2	+	925.1	3241.8	.4	+	19
20	925.2	3257.3	.6	+	925.4	3288.2	.6	+	925.3	3268.1	.2	+	925.1	3240.3	.4	+	20
21	925.2	3257.3	.5	+	925.4	3286.7	.5	+	925.2	3266.6	.2	+	925.0	3235.6	.4	+	21
22	925.2	3257.3	.5	+	925.4	3285.1	.5	+	925.2	3265.0	.2	+	925.0	3234.0	.4	+	22
23	925.2	3257.3	.4	+	925.4	3285.1	.5	+	925.2	3263.5	.2	+	925.0	3230.9	.4	+	23
24	925.2	3255.7	.4	+	925.4	3285.1	.5	+	925.2	3261.9	.2	+	925.0	3229.4	.4	+	24
25	925.2	3255.7	.4	+	925.4	3285.1	.5	+	925.2	3261.9	.2	+	925.0	3226.4	.4	+	25
26	925.2	3255.7	.4	+	925.4	3285.1	.5	+	925.2	3260.4	.2	+	925.0	3225.0	.4	+	26
27	925.2	3254.2	.4	+	925.4	3285.1	.5	+	925.2	3258.8	.2	-	925.0	3227.9	3.8	+	27
28	925.2	3252.6	.4	+	925.4	3285.1	.5	+	925.2	3257.3	.2	+	925.0	3229.9	2.0	+	28
29					925.4	3285.1	.6	+	925.2	3255.7	.2	+	925.0	3232.5	1.4	+	29
30					925.4	3285.1	.6	+	925.2	3254.2	.2	+	925.0	3230.9	.4	+	30
31					925.4	3287.6	.6	+					925.0	3230.9	.3	+	31
TOTAL			92.8	+			90.2	+			18.7	+			52.8	+	
Inf. Ac. Ft.			100.8				81.1				37.1				45.2		
Def. Ac. Ft.			+ (51.4)				+ (50.2)				+ (66.4)				+ (68.4)		
Max. Mean Daily Inf.			24.8 cfs				29.3 cfs				2.4 cfs				2.4 cfs		
Min. Mean Daily Inf.			.4 cfs				.1 cfs				.2 cfs				-23.2 A.F.		
Storage Change			69.1 A.F.				30.9 A.F.				-29.4 A.F.						

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	925.0	3229.4	.3	+	924.7	3177.5	.3	+	924.1	3093.0	.5	+	923.5	3005.8	.6	+	1
2	925.0	3227.9	.3	+	924.6	3174.5	.3	+	924.1	3091.0	.5	+	923.5	3003.0	.6	+	2
3	925.0	3226.4	.3	+	924.6	3171.6	.4	+	924.1	3090.0	.5	+	923.4	3000.2	.6	+	3
4	925.0	3225.0	.3	+	924.6	3168.6	.4	+	924.0	3085.5	[illegible]	+	923.4	2997.3	.6	+	4
5	925.0	3223.5	.3	+	924.6	3165.6	.4	+	924.0	3081.1	[illegible]	+	923.4	2994.5	.6	+	5
6	925.0	3222.0	.3	+	924.6	3162.7	.4	+	924.0	3075.4	[illegible]	+	923.4	2991.1	.6	+	6
7	924.9	3220.6	.3	+	924.6	3159.7	.4	+	923.9	3071.2	6	+	923.4	2981.6	.6	+	7
8	924.9	3219.0	.3	+	924.5	3156.7	.4	+	923.9	3069.2	6	+	923.4	2978.2	.5	+	8
9	924.9	3217.5	.3	+	924.5	3153.8	.4	+	923.9	3066.1	6	+	923.4	2974.8	.5	+	9
10	924.9	3217.5	.3	+	924.5	3150.8	.4	+	923.9	3061.3	6	+	923.3	2971.5	.5	+	10
11	924.9	3216.1	.2	+	924.5	3147.3	.9	+	923.9	3059.8	0	+	923.3	2971.7	.5	+	11
12	924.9	3214.6	.2	+	924.4	3144.9	.9	+	923.8	3058.4	1.0	+	923.3	2978.9	.5	+	12
13	924.9	3213.1	.2	+	924.4	3141.9	.8	+	923.8	3057.0	.9	+	923.3	2976.0	.5	+	13
14	924.9	3211.6	1.3	+	924.4	3138.9	.8	+	923.8	3055.5	.9	+	923.2	2973.8	.5	+	14
15	924.9	3210.1	1.2	+	924.4	3137.5	.8	+	923.8	3054.1	.9	+	923.2	2968.9	.5	+	15
16	924.9	3208.6	1.2	+	924.4	3134.5	.8	+	923.8	3052.7	.9	+	923.2	2967.5	.5	+	16
17	924.9	3207.2	1.0	+	924.3	3131.5	.8	+	923.8	3051.3	.9	+	923.2	2966.1	.5	+	17
18	924.8	3205.7	1.0	+	924.3	3128.6	.8	+	923.8	3048.4	.9	+	923.2	2964.7	.5	+	18
19	924.8	3204.2	.8	+	924.3	3128.6	.8	+	923.8	3045.6	.9	+	923.2	2961.8	.5	+	19
20	924.8	3202.7	.9	+	924.3	3127.1	.8	+	923.7	3042.8	.9	+	923.1	2960.4	.5	+	20
21	924.8	3201.2	1.2	+	924.3	3125.6	.6	+	922.7	3039.9	.4	+	923.1	2959.0	.3	+	21
22	924.8	3199.7	.9	+	924.3	3124.1	.6	+	923.7	3037.1	.4	+	923.1	2957.6	.3	+	22
23	924.8	3198.3	1.2	+	924.3	3121.1	.6	+	923.7	3035.2	.4	+	923.1	2956.1	.3	+	23
24	924.8	3196.8	1.1	+	924.3	3118.2	.6	+	923.7	3033.4	.4	+	923.1	2953.3	.2	+	24
25	924.8	3195.8	.4	+	924.2	3113.7	.6	+	923.6	3028.0	.3	+	923.1	2949.0	.2	+	25
26	924.8	3192.3	.2	+	924.2	3110.8	.6	+	923.6	3025.7	.3	+	923.1	2945.2	.2	+	26
27	924.7	3189.4	.3	+	924.2	3107.8	.6	+	923.6	3022.9	.3	+	923.0	2943.4	.2	+	27
28	924.7	3186.4	.3	+	924.2	3106.3	.6	+	923.6	3018.2	.3	+	923.0	2940.5	.2	+	28
29	924.7	3183.4	.3	+	924.2	3104.8	.5	+	923.5	3015.8	.3	+	923.0	2937.7	.2	+	29
30	924.7	3184.9	.3	+	924.1	3101.9	.5	+	923.5	3011.5	.3	+	923.0	2936.0	.2	+	30
31					924.1	3097.4	.5	+	923.5	3008.7	.3	+					31
TOTAL			17.2	+			15.3	+			18.1	+			13.1	+	
Inf. Ac. Ft.			38.1				26.3				35.9				26.0		
Def. Ac. Ft.			+ (84.7)				+ (119.4)				+ (124.8)				+ (99.6)		
Max. Mean Daily Inf.			1.3 cfs				.9 cfs				1.0 cfs				.6 cfs		
Min. Mean Daily Inf.			.2 cfs				.1 cfs				.3 cfs				.2 cfs		
Storage Change			-50.4 A.F.				-83.0 A.F.				-38.7 A.F.				-73.6 A.F.		

Max. W.S. Elev. 943.78 Feet = 12/23 - 26/70 Storage 7199.3 Acre-Feet
Min. W.S. Elev. 922.97 Feet = 9/30/71 Storage 2935.0 Acre-Feet
Max. Peak Inf. 995 CFS from 1:00 a.m. = 12/18/70 = 3:00 a.m. = 12/18/70
Max. Peak Otef. 164 CFS from 9:00 a.m. = 1/21/71 = 10:00 a.m. = 1/21/71

REMARKS: [illegible] Indicates average for period
( ) Indicates evaporation and other losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

PUDDINGSTONE DAM

1971-72

DRAINAGE AREA 33.1 SQ. MI.
CAPACITY OF RESERVOIR 18,888 AC. FT.
@ SPILLWAY ELEVATION 970.0 FT.
as of November, 19 85

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	924.3	2930.4	.4	+	*922.7	2902.4	.2	+	922.7	2901.0	.7	+	926.9	3532.8	.5	+	1
2	924.3	2926.9	.4	+	922.7	2901.0	.2	+	922.7	2901.0	.7	+	926.9	3532.8	.5	+	2
3	924.3	2924.1	.4	+	922.7	2899.7	.2	+	922.7	2901.0	.2	+	926.9	3531.2	.5	+	3
4	924.3	2921.4	.4	+	922.7	2898.3	.2	+	922.7	2901.0	.7	+	926.9	3529.6	.5	-	4
5	924.3	2918.7	.4	+	922.7	2896.9	.2	+	922.7	2899.3	.5	+	926.9	3529.6	.5	+	5
6	922.8	2916.0	.4	+	922.7	2895.6	.2	+	922.7	2898.5	.4	+	926.9	3529.6	.5	+	6
7	922.8	2913.3	.4	+	922.7	2894.2	.2	+	922.7	2894.2	.4	+	926.9	3527.9	.5	+	7
8	922.8	2910.5	.4	+	922.7	2892.8	.2	+	922.7	2891.5	.4	+	926.9	3526.3	.5	+	8
9	922.8	2907.8	.4	+	*922.7	2891.5	.2	+	*922.6	2889.1	.4	+	926.9	3526.3	.5	+	9
10	922.8	2905.1	.4	+	922.7	2891.5	.2	+	922.6	2888.8	.4	+	926.9	3526.3	.5	+	10
11	922.8	2902.4	.4	+	922.7	2891.5	3.4	+	922.6	2886.1	.4	+	926.9	3524.7	.5	+	11
12	922.7	2899.7	.4	+	922.4	2907.8	5.3	+	922.6	2888.8	2.2	+	926.9	3524.7	.5	+	12
13	922.7	2897.0	.4	+	922.8	2909.2	1.2	+	922.7	2891.5	1.4	+	926.9	3524.7	.5	+	13
14	922.7	2894.3	.3	+	922.8	2910.5	1.1	+	922.7	2891.5	.7	+	926.9	3524.7	.5	+	14
15	922.7	2892.3	.3	+	*922.8	2909.2	.2	+	922.6	2890.1	.4	+	926.9	3524.7	.5	+	15
16	922.7	2890.9	.3	+	922.8	2907.8	.2	+	922.6	2888.8	.4	+	926.9	3524.7	.5	+	16
17	922.7	2889.6	.3	+	922.8	2906.5	.2	+	922.6	2887.4	.4	+	926.9	3524.7	.5	+	17
18	922.7	2888.2	.3	+	*922.8	2905.1	.2	+	*922.6	2887.4	.4	+	926.9	3524.7	.5	+	18
19	922.7	2886.9	.3	+	922.7	2903.7	.2	+	922.4	2886.1	.1	+	926.9	3524.7	.5	+	19
20	922.6	2885.1	.3	+	922.7	2902.4	.2	+	922.6	2885.1	.8	+	926.9	3524.7	.5	+	20
21	922.6	2883.4	.3	+	*922.7	2901.0	.2	+	922.6	2885.1	.4	+	*926.9	3524.7	.5	+	21
22	922.6	2881.7	.3	+	922.7	2901.0	.2	+	922.6	2883.8	24.4	+	926.9	3524.7	.5	+	22
23	922.6	2880.0	.3	+	922.7	2901.0	.2	+	921.1	2946.2	1.4	+	926.9	3524.7	.5	+	23
24	922.8	2906.5	12.5	+	922.7	2901.0	.2	+	921.1	2951.3	3.6	+	926.9	3524.7	.5	-	24
25	922.8	2910.5	6.8	+	922.7	2901.0	.2	+	926.6	3322.3	186.0	+	926.9	3524.7	.4	+	25
26	922.8	2910.5	.6	+	922.7	2901.0	.2	+	925.7	3340.3	9.9	+	926.9	3524.7	.4	+	26
27	922.8	2909.2	.3	+	*922.7	2901.0	.2	+	926.6	3476.3	68.2	+	926.9	3524.7	.4	+	27
28	922.8	2907.8	.2	+	922.7	2901.0	.2	+	924.8	3515.0	19.9	+	926.9	3524.7	.4	-	28
29	922.8	2906.5	.2	+	922.7	2901.0	.2	+	926.9	3526.3	6.2	+	926.9	3524.7	.4	+	29
30	922.8	2905.1	.2	+	922.7	2901.0	.2	+	926.9	3531.2	2.4	+	926.9	3524.7	.4	+	30
31	922.7	2903.7	.2	+					926.9	3532.8	1.3	+	926.9	3524.7	.4	+	31
TOTAL			25.2	+			16.6	+			336.0	+			14.8	+	
Inf. Ac. Ft.			50.0				32.9				666.4				29.4		
Outf. Ac. Ft.			+ + (81.2)				+ + (35.7)				+ + (34.7)				+ + (37.4)		
Max. Mean Daily Inf.			12.5 cfs				5.3 cfs				186.0 cfs				.5 cfs		
Min. Mean Daily Inf.			.2 cfs				.2 cfs				+ cfs				.4 cfs		
Storage Change			-31.2 A.F.				-8.7 A.F.				+611.8 A.F.				-8.0 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	926.9	3523.1	.4	+	926.8	3506.9	.4	+	926.5	3471.4	.4	+	926.3	3429.4	.5	+	1
2	926.9	3523.1	.4	+	926.8	3506.9	.4	+	926.5	3469.8	.4	+	926.3	3427.8	.5	-	2
3	926.9	3521.5	.4	+	926.8	3505.3	.4	+	926.5	3468.2	.4	+	926.3	3426.6	.5	+	3
4	926.8	3519.9	.4	+	926.8	3505.3	.4	-	926.5	3466.6	.4	+	926.2	3421.3	.5	+	4
5	926.8	3518.2	.4	+	926.8	3505.3	.4	-	926.5	3466.6	.4	+	926.2	3419.7	.5	+	5
6	926.8	3518.2	.4	+	926.7	3503.7	.4	+	926.5	3465.0	.4	+	926.2	3418.1	.4	+	6
7	926.8	3516.6	.4	+	926.7	3503.7	.4	+	926.5	3463.3	.4	+	926.2	3416.4	.4	+	7
8	926.8	3516.6	.4	+	926.7	3502.1	.4	+	926.5	3461.7	.4	+	926.2	3414.9	.4	+	8
9	926.8	3516.6	.4	+	926.7	3500.5	.4	+	926.5	3460.1	.4	+	926.0	3411.7	.4	+	9
10	926.8	3516.6	.5	+	926.7	3500.5	.4	+	926.5	3458.5	.4	+	926.0	3410.0	.4	+	10
11	926.8	3516.6	.5	+	926.7	3500.5	.4	+	926.5	3456.9	.5	+	926.0	3408.4	.4	+	11
12	926.8	3516.6	.5	+	926.7	3498.9	.4	+	926.4	3455.3	.5	+	926.1	3406.8	.4	+	12
13	926.8	3515.0	.5	+	926.7	3498.9	.4	+	926.4	3453.6	.5	+	926.1	3403.6	.4	-	13
14	926.8	3515.0	.5	+	926.7	3498.9	.4	+	926.4	3452.0	.5	+	926.1	3400.4	.4	+	14
15	926.8	3515.0	.5	+	926.7	3497.3	.4	+	926.4	3449.2	.5	+	926.1	3397.1	.4	+	15
16	926.8	3515.0	.5	+	926.7	3495.6	.4	+	926.4	3446.6	.5	+	926.1	3395.5	.4	+	16
17	926.8	3515.0	.5	+	926.7	3494.0	.3	+	926.4	3444.0	.5	+	926.1	3392.3	.4	+	17
18	926.8	3515.0	.5	+	926.7	3494.0	.3	+	926.1	3448.8	3.5	+	926.0	3390.7	.4	+	18
19	926.8	3515.0	.5	+	926.7	3492.4	.3	+	926.4	3463.6	3.2	+	926.0	3390.7	.4	+	19
20	926.8	3515.0	.5	+	926.7	3490.8	.3	+	926.4	3452.0	.5	+	926.0	3390.7	.4	+	20
21	926.8	3513.4	.5	+	926.7	3489.2	.3	+	926.4	3450.4	.5	+	926.0	3387.4	.4	+	21
22	926.8	3513.4	.5	+	926.7	3489.2	.3	+	926.4	3450.4	.5	-	926.0	3385.8	.4	+	22
23	926.8	3511.8	.5	+	926.6	3487.6	.3	+	926.4	3448.8	.5	+	926.0	3384.2	.4	+	23
24	926.8	3511.8	.5	+	926.6	3485.9	.3	+	926.4	3445.6	.5	+	926.0	3382.7	.4	+	24
25	926.8	3511.8	.4	+	926.6	3484.3	.3	+	926.4	3442.3	.4	+	926.0	3381.1	.4	+	25
26	926.8	3510.2	.5	+	926.6	3482.7	.3	+	926.3	3439.1	.4	+	926.0	3379.6	.4	+	26
27	926.8	3508.6	.5	+	926.6	3481.1	.3	+	926.3	3435.9	.4	+	926.0	3378.0	.4	+	27
28	926.8	3508.6	.5	+	926.6	3479.5	.3	+	926.3	3434.3	.4	+	926.0	3376.5	.4	+	28
29	926.8	3508.6	.5	+	926.6	3477.9	.3	+	926.3	3432.7	.4	+	925.9	3374.9	.4	-	29
30					926.6	3476.3	.3	-	926.3	3431.0	.4	+	925.9	3371.8	.4	+	30
31					926.6	3473.0	.3	+					925.9	3370.3	.4	+	31
TOTAL			13.6	+			10.9	-			19.1	+			12.9	+	
Inf. Ac. Ft.			37.0				21.6				37.9				25.6		
Outf. Ac. Ft.			+ + (43.1)				+ + (57.1)				+ + (79.8)				+ + (66.3)		
Max. Mean Daily Inf.			.5 cfs				.4 cfs				3.5 cfs				.5 cfs		
Min. Mean Daily Inf.			.4 cfs				.3 cfs				.4 cfs				.4 cfs		
Storage Change			+16.1 A.F.				-35.5 A.F.				-41.7 A.F.				-60.7 A.F.		

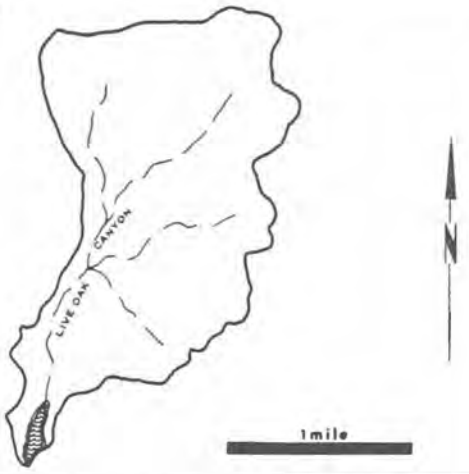
Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	925.9	3307.2	.1	+	925.4	3294.4	.2	+	924.8	3196.7	1.3	+	924.3	3127.1	.2	+	1
2	925.9	3305.6	1.0	+	925.4	3291.3	.3	+	924.8	3193.8	.9	+	924.3	3125.6	.7	+	2
3	925.9	3302.5	+	+	925.4	3288.2	.3	+	924.7	3189.4	-	+	924.3	3125.6	1.2	+	3
4	925.8	3300.9	+	+	925.4	3285.1	.1	+	*924.7	3186.4	.2	+	*924.3	3124.1	-	+	4
5	925.8	3299.3	+	+	[illegible]	3282.0	.0	+	924.7	[illegible]	.2	+	924.3	3122.6	[illegible]	+	5
6	925.8	3297.8	.9	+	925.3	3278.9	.7	-	924.7	3180.5	.7	+	924.3	3121.1	-	+	6
7	925.8	3296.2	.4	+	925.3	3275.8	.2	-	924.7	3177.5	.8	+	924.3	3119.7	.6	+	7
8	925.8	3294.7	+	+	924.3	3272.7	.3	-	924.6	3174.5	.7	+	924.3	3118.2	.3	+	8
9	925.8	3293.1	+	+	925.3	3269.6	.5	+	924.6	3171.6	.4	+	924.2	3116.7	.4	+	9
10	925.8	3291.6	.3	+	925.2	3266.6	.4	+	924.6	3168.6	.3	+	924.2	3115.2	.6	+	10
11	925.8	3290.0	+	+	925.2	3263.5	.4	+	924.6	3165.6	.2	+	924.2	3112.2	+	+	11
12	925.7	3288.4	.4	+	925.2	3260.4	.8	+	924.7	3177.5	7.7	+	924.2	3110.8	.8	+	12
13	925.7	3286.9	.3	+	925.2	3257.3	.3	+	924.6	3176.0	.4	+	924.2	3107.8	.1	+	13
14	925.7	3285.3	+	+	925.2	3254.2	.6	+	924.6	3174.5	.6	+	924.2	3106.4	.4	+	14
15	925.7	3283.7	1.0	+	925.1	3251.1	.1	+	924.6	3171.6	.1	+	924.2	3103.5	.8	+	15
16	925.7	3282.1	.2	+	925.1	3248.0	.4	+	924.6	3168.6	.1	+	924.1	3101.9	.4	+	16
17	925.6	3280.5	.1	+	925.1	3244.9	.5	+	924.6	3165.6	.3	+	924.1	3100.4	.5	+	17
18	925.6	3278.9	.1	+	925.1	3241.8	.4	+	924.6	3162.7	.2	+	924.1	3098.9	.4	-	18
19	925.6	3277.3	.2	+	925.1	3238.7	.4	+	924.5	3159.7	-	+	924.1	3095.9	+	+	19
20	925.6	3275.7	.7	+	925.0	3235.6	.1	+	924.5	3156.7	.1	+	924.1	3093.0	.5	-	20
21	925.6	3274.2	.2	+	925.0	3232.5	+	+	924.5	3153.8	.7	+	924.1	3091.5	1.3	+	21
22	925.6	3272.6	.2	+	925.0	3229.4	.3	+	924.5	3150.8	1.2	+	924.1	3090.0	.7	+	22
23	925.6	3271.0	.2	+	925.0	3227.9	1.1	+	924.5	3147.9	.9	+	924.0	3087.0	+	+	23
24	925.5	3269.5	.3	+	925.0	3225.0	.8	+	924.4	3144.9	.8	+	924.0	3084.1	+	+	24
25	925.5	3267.9	.2	+	925.0	3222.0	1.9	+	924.4	3141.9	-	+	924.0	3081.1	+	+	25
26	925.5	3266.3	+	+	924.9	3219.0	.8	+	924.4	3140.4	.6	+	924.0	3079.7	.3	+	26
27	925.5	3264.7	+	+	924.9	3216.1	.7	+	924.3	3137.4	.9	+	924.0	3078.3	.1	+	27
28	925.5	3263.2	1.1	+	924.9	3213.1	.6	+	924.4	3137.4	.1	+	924.0	3076.8	.2	+	28
29	925.5	3261.6	.9	+	924.8	3210.1	.7	+	924.4	3136.0	1.3	+	924.0	3075.4	.4	+	29
30	925.4	3260.0	.2	+	924.8	3207.1	1.0	+	924.4	3133.0	.2	+	924.0	3074.0	.6	+	30
31					924.8	3204.2	1.1	+	924.1	3130.0	.1	+					31
TOTAL			8.8	+			15.6	+			21.6	+			12.8	+	
Inf. Ac. Ft.			17.5				30.9				42.8				24.6		
Outf. Ac. Ft.			+ + (90.2)				+ + (128.7)				+ + (112.5)				+ + (80.5)		
Max. Mean Daily Inf.			1.1 cfs				1.1 cfs				7.7 cfs				1.3 cfs		
Min. Mean Daily Inf.			+ cfs				+ cfs				+ cfs				+ cfs		
Storage Change			-72.8 A.F.				-97.8 A.F.				-69.7 A.F.				-56.0 A.F.		

Max. W.S. Elev. 926.93 feet on 1/2/72 Storage 3534.4 Acre-Feet
Min. W.S. Elev. 924.57 feet on 10/24/71 Storage 3280.6 Acre-Feet
Max. Peak Inf. 53.0 CFS from 2:00 P.M. on 12/24/71 to 3:00 P.M. on 12/[illegible]/71
Max. Peak Outf. + CFS from ____ to Various times on ____

REMARKS * Indicates average for period.
Indicates evaporation and other losses.

LIVE OAK DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started August 1921 - Completed November 1922

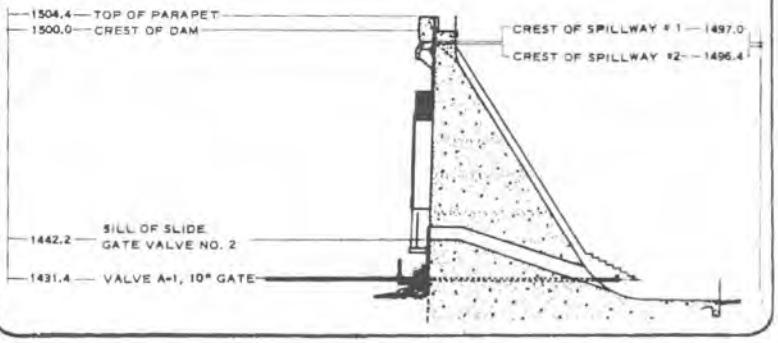
LOCATION - 2.5 miles northeast of La Verne

DRAINAGE AREA - 2.3 square miles

CAPACITY - 240 acre-feet

SPILLWAY ELEVATION - 1,496.0 feet

cross-section



LIVE OAK DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1932-33	0	0	0	0			0
1933-34	N.D.	N.D.	N.D.	142			N.D.
1934-35	27	2.3	0	27	4	8	16
1935-36	N.D.	4.1	0	0			N.D.
1936-37	494	35	0	413	2	6	139
1937-38	800	147	0	785	3	2	339
1938-39	21	1.0	0	3.2	2	3	1.4
1939-40	16	1.2	0	1.4	1	8	11
1940-41	719	39	0	718	3	4	90
1941-42	0	+	+	0			+
1942-43	827	78	0	827	1	22	170
1943-44	218	33	0	218	2	22	74
1944-45	177	9.4	0	177	2	2	67
1945-46	105	22	0	89	12	23	127
1946-47	64	7.5	0	45	11	20	25
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	4.7	0.3	0	3.6	12	19	2.6
1950-51	0	0	0	0			0
1951-52	362	34	0	343	1	16	148
1952-53	2.0	+	0	3.2	12	1	0.8
1953-54	78	13	0	64	1	25	82
1954-55	0.3	+	0	0.3			N.D.
1955-56	77	25	0	72	1	26	128
1956-57	1.9	0.1	0	0.1	1	13	1.1
1957-58	699	38	0	699	4	3	67
1958-59	5.6	0.8	0	5.4	1	6	9.2
1959-60	0	0	0	0			0
1960-61	4.8	0.7	0	0	11	6	22
1961-62	186	29	0	111	11	20	366
1962-63	13	5.8	0	5.4	2	9	23
1963-64	4.8	0.8	0	0	3	22	6.2
1964-65	20	6.8	0	15	4	9	58
1965-66	243	23	0	241	11	22	116
1966-67	699	112	+	672	12	6	360
1967-68	131	6.0	0	130	3	8	39
1968-69	2146	152	0	2115	1	25	403
1969-70	258	8.4	0	258	2	28	14
1970-71	243	7.2	0	243	12	21	16
1971-72	71	3.5	0	71	12	24	5

N.D. = NOT DETERMINED
\+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

LIVE OAK DAM

1969-70

DRAINAGE AREA 7.28 SQ. MI.
CAPACITY OF RESERVOIR 187.5 AC. FT.
SPILLWAY ELEVATION 1498.4 FT.
as of Recorded, 1942

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	.2	.2
2	1458.0	0	.2	.2
3	1458.0	0	.2	.2
4	1458.0	0	.2	.2
5	1458.0	0	.2	.2
6	1458.0	0	.2	.2
7	1458.0	0	.2	.2
8	1458.0	0	.2	.2
9	1461.2	1.4	.3	0
10	1462.3	2.0	.4	0
11	1462.7	2.5	.4	0
12	1463.4	3.4	.4	0
13	1464.9	4.1	.4	0
14	1464.4	4.9	.4	0
15	1465.8	5.6	.4	0
16	1466.1	6.2	.4	0
17	1466.5	6.9	.4	0
18	1466.9	7.7	.4	0
19	1466.3	8.6	.4	0
20	1466.8	9.2	.4	0
21	1466.9	9.9	.4	0
22	1467.2	10.6	.4	0
23	1467.5	11.2	.4	0
24	1467.8	12.0	.4	0
25	1468.1	12.7	.4	0
26	1468.5	13.8	.4	0
27	1469.0	15.0	.4	0
28	1469.3	16.9	.4	0
29	1469.6	16.7	.4	0
30	1469.9	17.5	.4	0
31	1470.1	18.0	.4	0
TOTAL			10.7	1.2
Inf. Ac. Ft.			21.2	
Outf. Ac. Ft.			3.2	
Max. Mean Daily Inf.			.4 cfs	
Min. Mean Daily Inf.			.2 cfs	
Storage Change			18.0 A.F.	

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1470.3	18.6	.4	0
2	1470.5	19.2	.3	0
3	1470.8	20.0	.3	0
4	1471.0	20.6	.3	0
5	1471.2	21.2	.3	0
6	1471.8	22.9	.9	0
7	1472.4	24.8	.9	0
8	1472.7	25.8	.5	0
9	1473.0	26.7	.5	0
10	1473.2	27.4	.4	0
11	1473.4	28.0	.4	0
12	1473.6	28.6	.4	0
13	1473.9	29.6	.3	0
14	1474.1	30.2	.3	0
15	1474.4	31.2	.3	0
16	1474.6	31.9	.3	0
17	1474.8	32.5	.3	0
18	1474.9	32.9	.3	0
19	1475.1	33.6	.3	0
20	1475.3	34.2	.3	0
21	1475.4	34.6	.3	0
22	1475.6	35.3	.3	0
23	1475.9	36.3	.3	0
24	1476.0	36.7	.3	0
25	1476.2	37.4	.3	0
26	1476.3	37.7	.3	0
27	1476.4	38.1	.3	0
28	1476.6	38.8	.3	0
29	1476.7	39.2	.3	0
30	1476.8	39.5	.3	0
TOTAL			10.8	0
Inf. Ac. Ft.			21.4	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			.9 cfs	
Min. Mean Daily Inf.			.3 cfs	
Storage Change			21.4 A.F.	

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1476.9	39.9	.4	0
2	1477.1	40.6	.4	0
3	1477.2	41.0	.4	0
4	1477.3	41.4	.3	0
5	1477.4	41.8	.3	0
6	1477.5	42.1	.3	0
7	1477.6	42.5	.3	0
8	1477.8	43.3	.3	0
9	1477.7	42.9	.3	1.8
10	1475.6	35.3	.3	9.1
11	1474.9	32.9	.3	1.5
12	1473.7	28.9	.3	2.2
13	1472.5	25.1	.3	2.3
14	1471.5	22.1	.3	1.9
15	1470.7	19.8	.3	1.3
16	1470.0	17.8	.3	1.3
17	1469.5	16.4	.3	1.2
18	1468.8	14.9	.3	1.2
19	1468.4	13.9	.3	1.0
20	1467.9	12.8	.3	.9
21	1467.5	11.9	.3	.8
22	1467.5	11.3	.3	.4
23	1467.8	12.0	.3	0
24	1468.1	12.7	.3	0
25	1468.2	13.0	.3	0
26	1468.5	13.8	.3	0
27	1468.8	14.5	.3	0
28	1469.1	15.3	.3	0
29	1469.4	16.1	.3	0
30	1469.6	16.7	.3	0
31	1469.8	17.2	.3	0
TOTAL			9.6	20.9
Inf. Ac. Ft.			19.1	
Outf. Ac. Ft.			41.4	
Max. Mean Daily Inf.			.4 cfs	
Min. Mean Daily Inf.			.3 cfs	
Storage Change			-22.3 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1469.9	17.5	.3	0
2	1470.1	18.0	.3	0
3	1470.3	18.6	.3	0
4	1470.5	19.2	.3	0
5	1470.6	19.6	.3	0
6	1470.8	20.0	.3	0
7	1470.9	20.3	.3	0
8	1471.1	20.9	.3	0
9	1471.3	21.5	.3	0
10	1471.6	22.4	.3	0
11	1471.8	23.0	.3	0
12	1472.1	23.9	.4	0
13	1472.3	24.5	.4	0
14	1472.5	25.1	.4	0
15	1472.7	25.8	.4	0
16	1473.1	27.0	.4	0
17	1473.4	28.0	.3	0
18	1473.7	28.9	.3	0
19	1473.9	29.6	.3	0
20	1474.1	30.2	.3	0
21	1474.3	30.9	.3	0
22	1474.5	31.6	.3	0
23	1474.7	32.2	.3	0
24	1474.9	32.9	.3	0
25	1475.0	33.2	.3	0
26	1475.2	33.9	.3	0
27	1475.4	34.6	.3	0
28	1475.6	35.3	.3	0
29	1475.7	35.8	.3	0
30	1475.8	36.0	.3	0
31	1476.0	36.7	.3	0
TOTAL			9.3	0
Inf. Ac. Ft.			19.4	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			.4 cfs	
Min. Mean Daily Inf.			.3 cfs	
Storage Change			19.4 A.F.	

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1476.1	37.0	.3	0
2	1476.2	37.4	.3	0
3	1476.4	38.1	.3	0
4	1476.5	38.5	.3	0
5	1476.7	39.2	.2	0
6	1476.8	39.5	.2	0
7	1476.9	39.9	.2	0
8	1477.0	40.3	.2	0
9	1477.2	41.0	.2	0
10	1478.0	44.0	1.5	0
11	1478.5	46.0	1.0	0
12	1478.8	47.2	.6	0
13	1479.0	48.0	.4	0
14	1479.1	48.4	.3	0
15	1479.3	49.2	.3	0
16	1479.4	49.6	.3	0
17	1478.9	47.6	.3	1.2
18	1478.2	44.8	.3	1.5
19	1477.8	43.3	.3	1.0
20	1477.5	42.1	.3	.8
21	1477.3	41.4	.3	.7
22	1477.1	40.6	.3	.7
23	1476.9	39.9	.3	.7
24	1476.7	39.2	.3	.7
25	1476.6	38.8	.3	.7
26	1476.4	38.1	.3	.7
27	1476.2	37.4	.2	.7
28	1477.0	40.3	3.2	1.8
TOTAL			15.0	11.2
Inf. Ac. Ft.			25.8	
Outf. Ac. Ft.			22.2	
Max. Mean Daily Inf.			3.2 cfs	
Min. Mean Daily Inf.			.2 cfs	
Storage Change			3.5 A.F.	

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1479.8	51.3	8.4	2.9
2	1480.8	55.6	5.1	2.9
3	1480.4	53.9	.8	2.7
4	1480.4	53.9	.8	2.7
5	1480.2	53.1	.8	2.7
6	1480.1	53.4	.8	2.7
7	1479.6	50.5	.8	2.7
8	1478.9	47.6	.8	2.5
9	1479.1	48.4	.7	2.4
10	1477.3	41.4	.7	1.9
11	1476.8	39.5	.7	1.9
12	1476.5	38.6	.7	1.0
13	1476.9	39.9	.7	.0
14	1477.1	40.6	.7	.0
15	1477.4	41.8	.7	.0
16	1477.6	42.5	.7	.0
17	1477.8	43.3	.7	.0
18	1477.1	40.6	.7	1.4
19	1475.6	35.3	.7	2.5
20	1474.3	30.9	.7	2.1
21	1472.2	24.2	.7	4.8
22	1470.0	17.8	.7	4.6
23	1466.0	7.9	.7	3.6
24	1462.0	1.7	.7	1.3
25	1458.0	0	.7	.7
26	1458.0	0	.7	.7
27	1458.0	0	.7	.7
28	1458.0	0	.7	.7
29	1458.0	0	.7	.7
30	1458.0	0	.7	.7
31	1463.5	3.9	2.6	.8
TOTAL			36.3	54.8
Inf. Ac. Ft.			72.0	
Outf. Ac. Ft.			108.6	
Max. Mean Daily Inf.			8.4 cfs	
Min. Mean Daily Inf.			.7 cfs	
Storage Change			-36.7 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1463.5	3.6	.5	.8
2	1463.5	3.6	.5	.8
3	1460.4	.5	.5	1.7
4	1458.0	0	.4	.4
5	1458.0	0	.4	.4
6	1458.0	0	.4	.4
7	1458.0	0	.8	.8
8	1458.0	0	.5	.5
9	1458.0	0	.5	.5
10	1458.0	0	.5	.5
11	1458.0	0	.3	.3
12	1458.0	0	.4	.4
13	1458.0	0	.3	.3
14	1458.0	0	.5	.5
15	1458.0	0	.5	.5
16	1458.0	0	.5	.5
17	1458.0	0	.5	.5
18	1458.0	0	.5	.5
19	1458.0	0	.5	.5
20	1458.0	0	.5	.5
21	1458.0	0	.5	.5
22	1458.0	0	.5	.5
23	1458.0	0	.5	.5
24	1458.0	0	.5	.5
25	1458.0	0	.5	.5
26	1458.0	0	.5	.5
27	1458.0	0	.5	.5
28	1458.0	0	.5	.5
29	1458.0	0	.7	.7
30	1458.0	0	.7	.7
TOTAL			14.9	16.7
Inf. Ac. Ft.			29.6	
Outf. Ac. Ft.			33.1	
Max. Mean Daily Inf.			.8 cfs	
Min. Mean Daily Inf.			.4 cfs	
Storage Change			-3.5 A.F.	

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	.7	.7
2	1458.0	0	.7	.7
3	1458.0	0	.7	.7
4	1458.0	0	.7	.7
5	1458.0	0	.7	.7
6	1458.0	0	.7	.7
7	1458.0	0	.8	.8
8	1458.0	0	1.2	1.2
9	1458.0	0	1.3	1.3
10	1458.0	0	1.3	1.3
11	1458.0	0	1.3	1.3
12	1458.0	0	1.2	1.2
13	1458.0	0	1.0	1.0
14	1458.0	0	.8	.8
15	1458.0	0	.5	.5
16	1458.0	0	.5	.5
17	1458.0	0	.4	.4
18	1458.0	0	.4	.4
19	1458.0	0	.1	.1
20	1458.0	0	.1	.1
21	1458.0	0	.1	.1
22	1458.0	0	.1	.1
23	1458.0	0	.1	.1
24	1458.0	0	.1	.1
25	1458.0	0	.1	.1
26	1458.0	0	.1	.1
27	1458.0	0	.1	.1
28	1458.0	0	.1	.1
29	1458.0	0	.1	.1
30	1458.0	0	.1	.1
31	1458.0	0	.1	.1
TOTAL			16.2	16.2
Inf. Ac. Ft.			32.1	
Outf. Ac. Ft.			32.1	
Max. Mean Daily Inf.			1.3 cfs	
Min. Mean Daily Inf.			.1 cfs	
Storage Change			0 A.F.	

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	.1	.1
2	1458.0	0	.1	.1
3	1458.0	0	.1	.1
4	1458.0	0	.1	.1
5	1458.0	0	.1	.1
6	1458.0	0	.1	.1
7	1458.0	0	.1	.1
8	1458.0	0	.3	.3
9	1458.0	0	.3	.3
10	1458.0	0	.3	.3
11	1458.0	0	.3	.1
12	1458.0	0	.1	.1
13	1458.0	0	.1	.1
14	1458.0	0	.1	.1
15	1458.0	0	.1	.1
16	1458.0	0	.1	.1
17	1458.0	0	.1	.1
18	1458.0	0	.1	.1
19	1458.0	0	.1	.1
20	1458.0	0	.1	.1
21	1458.0	0	.1	.1
22	1458.0	0	.2	.2
23	1458.0	0	.3	.3
24	1458.0	0	.4	.4
25	1458.0	0	.5	.5
26	1458.0	0	.5	.5
27	1458.0	0	.5	.5
28	1458.0	0	.5	.5
29	1458.0	0	.5	.5
30	1458.0	0	.5	.5
31				
TOTAL			6.8	6.8
Inf. Ac. Ft.			13.5	
Outf. Ac. Ft.			13.5	
Max. Mean Daily Inf.			.5 cfs	
Min. Mean Daily Inf.			.1 cfs	
Storage Change			0 A.F.	

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	0	0
2	1458.0	0	0	0
3	1458.0	0	0	0
4	1458.0	0	0	0
5	1458.0	0	0	0
6	1458.0	0	0	0
7	1458.0	0	0	0
8	1458.0	0	.1	.1
9	1458.0	0	.1	.1
10	1458.0	0	.1	.1
11	1458.0	0	.1	.1
12	1458.0	0	.1	.1
13	1458.0	0	.1	.1
14	1458.0	0	.1	.1
15	1458.0	0	.1	.1
16	1458.0	0	.1	.1
17	1458.0	0	.1	.1
18	1458.0	0	.1	.1
19	1458.0	0	.1	.1
20	1458.0	0	.1	.1
21	1458.0	0	.1	.1
22	1458.0	0	.1	.1
23	1458.0	0	.1	.1
24	1458.0	0	.1	.1
25	1458.0	0	.1	.1
26	1458.0	0	.1	.1
27	1458.0	0	.1	.1
28	1458.0	0	.1	.1
29	1458.0	0	.1	.1
30	1458.0	0	.1	.1
31	1458.0	0	.1	.1
TOTAL			.2	.2
Inf. Ac. Ft.			.4	
Outf. Ac. Ft.			.4	
Max. Mean Daily Inf.			.1 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			0 A.F.	

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	.1	.1
2	1458.0	0	.1	.1
3	1458.0	0	.1	.1
4	1458.0	0	.1	.1
5	1458.0	0	.1	.1
6	1458.0	0	.1	.1
7	1458.0	0	.1	.1
8	1458.0	0	.1	.1
9	1458.0	0	.1	.1
10	1458.0	0	.1	.1
11	1458.0	0	.1	.1
12	1458.0	0	.1	.1
13	1458.0	0	.1	.1
14	1458.0	0	.1	.1
15	1458.0	0	.1	.1
16	1458.0	0	.1	.1
17	1458.0	0	0	0
18	1458.0	0	0	0
19	1458.0	0	0	0
20	1458.0	0	0	0
21	1458.0	0	0	0
22	1458.0	0	0	0
23	1458.0	0	0	0
24	1458.0	0	0	0
25	1458.0	0	0	0
26	1458.0	0	0	0
27	1458.0	0	0	0
28	1458.0	0	0	0
29	1458.0	0	0	0
30	1458.0	0	0	0
31	1458.0	0	0	0
TOTAL			.5	1.6
Inf. Ac. Ft.			1.3	
Outf. Ac. Ft.			3.2	
Max. Mean Daily Inf.			.1 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			0 A.F.	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1458.0	0	0	0
2	1458.0	0	0	0
3	1458.0	0	0	0
4	1458.0	0	0	0
5	1458.0	0	0	0
6	1458.0	0	0	0
7	1458.0	0	0	0
8	1458.0	0	0	0
9	1458.0	0	0	0
10	1458.0	0	0	0
11	1458.0	0	0	0
12	1458.0	0	0	0
13	1458.0	0	0	0
14	1458.0	0	0	0
15	1458.0	0	0	0
16	1458.0	0	0	0
17	1458.0	0	0	0
18	1458.0	0	0	0
19	1458.0	0	0	0
20	1458.0	0	0	0
21	1458.0	0	0	0
22	1458.0	0	0	0
23	1458.0	0	0	0
24	1458.0	0	0	0
25	1458.0	0	0	0
26	1458.0	0	0	0
27	1458.0	0	0	0
28	1458.0	0	0	0
29	1458.0	0	0	0
30	1458.0	0	0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			0 A.F.	

Max. W.S. Elev.	1481.0	feet	on 3/5/70	Storage	55.4	Acre-Feet
Min. W.S. Elev.	1458.0	feet	on Various Days	Storage	0	Acre-Feet
Max. Peak Inf.	13.7	CFS from 4:00 p.m.	on 2/28/70	to 4:30 p.m.	on 2/28/70	
Max. Peak Outf.	6.6	CFS from 4:15 p.m.	on 3/20/70	to 8:15 p.m.	on 3/20/70	

REMARKS: L Indicates Average for period

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

LIVE OAK DAM

1970-71

DRAINAGE AREA 8.38 SQ. MI.
CAPACITY OF RESERVOIR 844.8 AC. FT.
at SPILLWAY ELEVATION 1488.4 FT.
as of October 1, 19 70

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1436.0	0	0	0	1442.4	.6	.3	0	1454.5	9.0	.7	.3	1466.4	29.0	0.3	.4	1
2	1436.0	0	0	0	1442.4	.6	0	0	1455.0	9.7	.2	.1	1466.3	28.7	0.3	.5	2
3	1436.0	0	0	0	1442.4	.6	0	0	1455.2	10.0	.3	.1	1466.3	28.7	0.3	.4	3
4	1436.0	0	0	0	1442.4	.6	0	0	1455.3	10.2	.2	.1	1466.2	28.3	0.3	.4	4
5	1436.0	0	0	0	1442.5	.6	0	0	1455.4	10.3	.2	.1	1466.1	28.0	0.3	.4	5
6	1436.0	0	0	0	1442.5	.6	0	0	1455.5	10.5	.2	.1	1466	28.0	0.3	.4	6
7	1436.0	0	0	0	1442.5	.6	0	0	1455.6	10.7	.2	.1	1465	37.6	0.3	.4	7
8	1436.0	0	0	0	1442.5	.6	0	0	1455.7	10.8	.2	.1	1465.0	37.6	0.3	.4	8
9	1436.0	0	0	0	1442.5	.6	0	0	1455.7	10.8	.1	.1	1465.9	37.2	0.3	.4	9
10	1436.0	0	0	0	1442.5	.6	0	0	1455.8	11.0	.2	.2	1465.8	36.9	0.3	.4	10
11	1436.0	0	0	0	1442.5	.6	0	0	1455.8	11.0	.1	.1	1465.8	36.9	0.2	.4	11
12	1436.0	0	.1	.1	1442.5	.6	0	0	1455.8	11.0	.1	.1	1466.0	37.6	.7	.4	12
13	1436.0	0	0	0	1442.5	.6	0	0	1455.8	11.0	.1	.1	1466.2	38.3	.8	.4	13
14	1436.0	0	.1	.1	1442.5	.6	0	0	1456.2	11.7	.4	.1	1466.1	38.0	0.5	.4	14
15	1436.0	0	.1	.1	1442.5	.6	0	0	1456.3	11.8	.2	.1	1466.1	38.0	0.4	.5	15
16	1436.0	0	.1	.1	1442.5	.6	0	0	1456.5	12.2	.3	.1	1466.1	37.6	0.4	.5	16
17	1436.0	0	0	0	1442.5	.6	.4	.1	1456.8	12.4	.4	.3	1466.0	37.6	0.4	.7	17
18	1436.0	0	0	0	1442.6	.6	.3	.3	1457.0	13.1	.7	.3	1465.9	37.2	0.4	.4	18
19	1436.0	0	0	0	1442.6	.6	.3	.3	1458.2	17.0	2.0	.3	1465.9	37.2	0.4	.5	19
20	1436.0	0	.1	.1	1442.6	.7	.3	.3	1459.8	19.2	1.3	.3	1465.8	36.9	0.4	.5	20
21	1436.0	0	.1	.1	1442.6	.7	.3	.3	1461.6	22.9	1.2	.3	1465.8	36.9	0.3	.5	21
22	1436.0	0	.1	.1	1442.6	.7	.3	.3	1465.8	36.9	2.3	.3	1465.7	36.6	0.3	.5	22
23	1436.0	0	0	0	1442.6	.7	.3	.3	1466.2	38.3	1.0	.3	1465.7	36.6	0.3	.4	23
24	1436.0	0	.1	.1	1442.6	.7	.3	.3	1466.4	39.0	.7	.3	1465.6	36.2	0.3	.4	24
25	1436.0	0	0	0	1442.6	.7	.3	.3	1466.5	39.4	.5	.3	1465.5	35.9	0.3	.4	25
26	1436.0	0	0	0	1442.6	.7	.4	.4	1466.6	39.8	.5	.3	1465.5	35.9	0.3	.4	26
27	1436.0	0	0	0	1442.7	.7	.3	.3	1466.7	40.1	.5	.3	1465.4	35.5	0.3	.4	27
28	1436.0	0	0	0	1446.0	1.3	.6	.3	1466.7	40.1	.3	.3	1465.3	35.2	0.3	.4	28
29	1436.0	0	0	0	1453.5	7.6	3.5	.3	1466.6	39.8	.1	.3	1465.2	34.8	0.3	.4	29
30	1436.0	0	0	0	1454.0	8.2	.6	.3	1466.6	39.8	.2	.3	1465.1	34.5	0.3	.4	30
31	1436.0	0	0	0					1466.5	39.4	.1	.3	1465.0	34.2	0.2	.4	31
TOTAL			.8	.8			8.2	4.1			22.0	6.3			10.8	13.5	
Inf. Ac. Ft.			1.5				16.3				43.6				21.5		
Outf. Ac. Ft.			1.5 + (.0)				8.1 + (.0)				12.4 + (.0)				26.7 + (.0)		
Max. Mean Daily Inf.			.1 cfs				3.5 cfs				7.2 cfs				.8 cfs		
Min. Mean Daily Inf.			0 cfs				0 cfs				.1 cfs				.2 cfs		
Storage Change			0 A.F.				8.2 A.F.				31.1 A.F.				-5.2 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1464.9	33.8	0.3	.4	1463.9	30.6	0.5	.5	1463.3	28.7	.7	.8	1444.5	1.2	0.7	.7	1
2	1464.9	33.8	0.3	.4	1463.8	30.3	0.5	.5	1463.2	28.4	0.6	.7	1444.3	1.1	0.6	.7	2
3	1464.8	33.5	0.3	.5	1463.8	30.3	0.5	.7	1463.1	28.1	0.6	.7	1444.1	1.0	0.6	.8	3
4	1464.8	33.5	0.3	.4	1463.7	30.0	0.5	.7	1463.0	27.8	0.6	.8	1443.9	1.0	0.6	.8	4
5	1464.7	33.2	0.3	.4	1463.6	29.7	0.5	.7	1462.9	27.5	0.6	.8	1443.7	.9	0.6	.8	5
6	1464.6	32.9	0.3	.4	1463.5	29.4	0.4	.5	1462.8	27.2	0.6	.8	1443.5	.9	0.6	.8	6
7	1464.6	32.9	0.3	.4	1463.5	29.4	0.4	.5	1462.7	26.9	0.6	.8	1443.3	.8	0.6	.6	7
8	1464.5	32.5	0.3	.4	1463.4	29.1	0.4	.5	1462.6	26.7	0.6	.8	1443.1	.8	0.6	.7	8
9	1464.4	32.2	0.3	.4	1463.4	29.1	0.4	.5	1462.4	26.1	0.6	.8	1443.0	.8	0.6	.7	9
10	1464.4	32.2	0.3	.4	1463.3	28.7	0.4	.5	1462.3	25.8	0.6	.8	1442.9	.7	0.6	.5	10
11	1464.3	31.9	0.3	.4	1463.2	28.4	0.4	.5	1462.2	25.5	0.6	.8	1442.8	.7	0.6	.4	11
12	1464.2	31.6	0.3	.4	1463.1	28.1	0.4	.5	1462.0	24.9	0.6	.7	1442.7	.7	0.6	.4	12
13	1464.1	31.2	0.3	.4	1463.7	30.0	1.5	.5	1461.8	24.4	0.6	.7	1442.6	.7	0.6	.4	13
14	1464.1	31.2	0.3	.4	1463.7	30.0	0.4	.5	1461.7	24.1	0.6	.7	1442.5	.6	0.6	.4	14
15	1464.0	30.9	0.2	.4	1463.6	29.7	0.4	.5	1461.6	23.8	0.6	.7	1442.5	.6	.5	.5	15
16	1464.2	31.6	.7	.4	1463.6	29.7	0.4	.5	1461.5	23.5	0.6	.7	1442.5	.6	.7	.7	16
17	1464.4	32.2	.7	.4	1463.6	29.7	0.5	.5	1461.5	23.5	0.6	.7	1442.5	.6	.5	.5	17
18	1464.5	32.5	.6	.4	1463.6	29.7	0.5	.5	1461.6	23.8	0.6	.7	1442.5	.6	.5	.5	18
19	1464.5	32.5	.4	.4	1463.6	29.7	0.5	.4	1461.6	23.8	0.6	.7	1442.5	.6	.5	.5	19
20	1464.5	32.5	.4	.4	1463.6	29.7	0.5	.4	1461.5	23.5	0.5	.7	1442.5	.6	.5	.5	20
21	1464.5	32.5	.4	.4	1463.6	29.7	0.6	.4	1460.3	20.4	0.4	1.6	1442.5	.6	.4	.4	21
22	1464.4	32.2	0.3	.4	1463.6	29.7	0.6	.5	1458.3	15.7	0.4	2.3	1442.5	.6	.4	.4	22
23	1464.3	31.9	0.3	.4	1463.6	29.7	0.6	.5	1456.4	12.0	0.4	2.1	1442.5	.6	.4	.4	23
24	1464.3	31.9	0.3	.4	1463.6	29.7	0.6	.7	1454.9	9.5	0.4	1.7	1442.5	.6	.4	.4	24
25	1464.2	31.6	0.3	.4	1463.6	29.7	0.6	.7	1453.5	7.6	0.4	1.3	1442.5	.6	.4	.4	25
26	1464.1	31.2	0.3	.4	1463.6	29.7	0.6	.7	1452.1	5.9	0.4	1.3	1442.5	.6	.4	.4	26
27	1464.0	30.9	0.3	.5	1463.5	29.4	0.6	.7	1450.8	4.7	0.4	2.2	1442.5	.6	.5	.5	27
28	1463.9	30.6	0.3	.5	1463.5	29.4	0.6	.7	1448.2	2.8	0.3	.9	1442.5	.6	.5	.5	28
29					1463.5	29.4	0.6	.8	1444.9	1.3	0.3	.8	1442.5	.6	.5	.5	29
30					1463.4	29.1	0.7	.7	1444.7	1.2	0.3	.7	1442.5	.6	.5	.5	30
31					1463.4	29.1	0.7	.7					1442.5	.6	.4	.4	31
TOTAL			.9	11.5			16.7	17.5			15.5	29.5			16.0	16.3	
Inf. Ac. Ft.			19.2				33.1				30.7				31.7		
Outf. Ac. Ft.			22.8 + (.0)				34.7 + (.0)				58.5 + (.0)				32.3 + (.0)		
Max. Mean Daily Inf.			.7 cfs				1.4 cfs				.7 cfs				.7 cfs		
Min. Mean Daily Inf.			.2 cfs				.4 cfs				.3 cfs				.3 cfs		
Storage Change			-3.5 A.F.				-1.5 A.F.				-27.8 A.F.				-.5 A.F.		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1442.5	.6	0.3	.4	1442.5	.6	0.3	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	1
2	1442.5	.6	0.3	.4	1442.5	.6	0.3	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	2
3	1442.5	.6	0.3	.4	1442.5	.6	0.3	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	3
4	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	4
5	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	5
6	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	6
7	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	7
8	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	8
9	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	9
10	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	10
11	1442.5	.6	0.3	.1	1442.5	.6	0.2	0	1442.5	.6	.2	.2	1442.5	.6	.1	.1	11
12	1442.5	.6	0.3	.1	1442.5	.6	0.2	0	1442.5	.6	.2	.2	1442.5	.6	.1	.1	12
13	1442.5	.6	0.3	.1	1442.5	.6	0.2	0	1442.5	.6	.2	.2	1442.5	.6	.1	.1	13
14	1442.5	.6	0.3	.1	1442.5	.6	0.2	0	1442.5	.6	.2	.2	1442.5	.6	.1	.1	14
15	1442.5	.6	0.3	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	15
16	1442.5	.6	0.2	.3	1442.5	.6	0.2	.1	1442.5	.6	.2	.2	1442.5	.6	.1	.1	16
17	1442.5	.6	0.2	0	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	17
18	1442.5	.6	0.2	0	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	18
19	1442.5	.6	0.2	.1	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.2	.1	19
20	1442.5	.6	0.2	.3	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.2	.1	20
21	1442.5	.6	0.2	.1	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	21
22	1442.5	.6	0.2	.3	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	22
23	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	23
24	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	24
25	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	25
26	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	26
27	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	27
28	1442.5	.6	0.2	.3	1442.5	.6	0.2	.4	1442.5	.6	.2	.2	1442.5	.6	.1	.1	28
29	1442.5	.6	0.2	.3	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	29
30	1442.5	.6	0.2	.3	1442.5	.6	0.2	.3	1442.5	.6	.2	.2	1442.5	.6	.1	.1	30
31					1442.5	.6	0.2	.3	1442.5	.6	.2	.2					31
TOTAL			7.5	7.5			6.5	6.5			6.2	6.2			3.0	3.0	
Inf. Ac. Ft.			14.8				12.8				12.2				5.9		
Outf. Ac. Ft.			14.8 + (.0)				12.8 + (.0)				12.2 + (.0)				5.9 + (.0)		
Max. Mean Daily Inf.			.3 cfs				.4 cfs				.2 cfs				.1 cfs		
Min. Mean Daily Inf.			.2 cfs				0 cfs				.2 cfs				.1 cfs		
Storage Change			0 A.F.				0 A.F.				0 A.F.				0 A.F.		

Max. W.S. Elev. 1466.7 feet on 12/27-28/70 Storage 40.1 Acre-Feet
Min. W.S. Elev. 1436.0 feet on various days Storage 0 Acre-Feet
Max. Peak Inf. 16.0 CFS from 11:00 a.m. on 12/21/70 to 1:00 p.m. on 12/21/70
Max. Peak Outf. 4.8 CFS from 11:03 a.m. on 4/27/71 to 12:00 noon on 4/27/71

REMARKS: C indicates average for period

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

LIVE OAK DAM

1971-72

DRAINAGE AREA 1.38 SQ. MI.
CAPACITY OF RESERVOIR 344.0 AC. FT.
at SPILLWAY ELEVATION 1498.4 FT.
as of October 1970

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1442.5	.6	0	0
2	1442.5	.6	0	0
3	1442.5	.6	0	0
4	1442.5	.6	0	0
5	1442.5	.6	0	0
6	1442.5	.6	0	0
7	1442.5	.6	0	0
8	1442.5	.6	0	0
9	1442.5	.6	0	0
10	1442.5	.6	0	0
11	1442.5	.6	0	0
12	1442.5	.6	0	0
13	1442.5	.6	0	0
14	1442.5	.6	0	0
15	1442.5	.6	0	0
16	1442.5	.6	0	0
17	1442.5	.6	0	0
18	1442.5	.6	0	0
19	1442.5	.6	0	0
20	1442.5	.6	0	0
21	1442.5	.6	0	0
22	1442.5	.6	0	0
23	1442.5	.6	0	0
24	1442.5	.6	0	0
25	1442.5	.6	0	0
26	1442.5	.6	.1	.1
27	1442.5	.6	.1	.1
28	1442.5	.6	.1	.1
29	1442.5	.6	.1	.1
30	1442.5	.6	0	0
31	1442.5	.6	0	0
TOTAL			.5	.5
Inf. Ac. Ft.		1.0		
Outf. Ac. Ft.		1.0 + (0)		
Max. Mean Daily Inf.		.1 cfs		
Min. Mean Daily Inf.		0 cfs		
Storage Change		0 A.F.		

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1442.5	.6	0	0
2	1442.5	.6	0	0
3	1442.5	.6	0	0
4	1442.5	.6	0	0
5	1442.5	.6	0	0
6	1442.5	.6	0	0
7	1442.5	.6	0	0
8	1442.5	.6	0	0
9	1442.5	.6	0	0
10	1442.5	.6	0	0
11	1442.5	.6	0	0
12	1442.5	.6	0	0
13	1442.5	.6	0	0
14	1442.5	.6	0	0
15	1442.5	.6	0	0
16	1442.5	.6	0	0
17	1442.5	.6	0	0
18	1442.5	.6	0	0
19	1442.5	.6	0	0
20	1442.5	.6	0	0
21	1442.5	.6	0	0
22	1442.5	.6	.1	.1
23	1442.5	.6	.1	.1
24	1442.5	.6	.1	.1
25	1442.5	.6	.1	.1
26	1442.5	.6	.1	.1
27	1442.5	.6	.1	.1
28	1442.5	.6	.1	.1
29	1442.5	.6	.1	.1
30	1442.5	.6	.1	.1
TOTAL			.9	.9
Inf. Ac. Ft.		1.8		
Outf. Ac. Ft.		1.8 + (0)		
Max. Mean Daily Inf.		.1 cfs		
Min. Mean Daily Inf.		0 cfs		
Storage Change		0 A.F.		

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1442.8	.7	.1	.1
2	1442.8	.7	.1	.1
3	1442.8	.7	.1	.1
4	1442.8	.7	.1	.1
5	1442.8	.7	.1	.1
6	1442.8	.7	.1	.1
7	1442.8	.7	.1	.1
8	1442.8	.7	.1	.1
9	1442.8	.7	.1	.1
10	1442.8	.7	.1	.1
11	1443.1	.8	.1	.1
12	1443.1	.8	.1	.1
13	1443.1	.8	.1	.1
14	1443.1	.8	.1	.1
15	1443.1	.8	.1	.1
16	1443.4	.9	.1	.1
17	1443.4	.9	.1	.1
18	1443.4	.9	.1	.1
19	1443.4	.9	.1	.1
20	1443.4	.9	.1	.1
21	1443.5	.9	.1	.1
22	1443.5	.9	.1	.1
23	1443.5	.9	.1	.1
24	1443.5	.9	.1	.1
25	1451.0	4.8	2.9	.9
26	1452.6	6.5	1.5	.6
27	1454.0	8.2	1.5	.6
28	1457.5	14.1	3.5	.5
29	1458.8	16.8	1.8	.4
30	1459.5	18.4	1.2	.4
31	1459.8	18.7	.5	.4
	1460.2	20.2	1.8	1.8
			21.8	11.8
			42.9	
			23.4 + (0)	
			3.5 cfs	
			.1 cfs	
			19.5 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1460.3	20.6	.3	.1
2	1460.4	20.9	.4	.1
3	1460.7	21.4	.5	.1
4	1460.9	21.9	.5	.1
5	1461.1	22.5	.5	.1
6	1461.3	23.0	.5	0
7	1461.5	23.5	.5	0
8	1461.7	24.1	.2	0
9	1461.8	24.4	.2	0
10	1461.7	24.6	.2	0
11	1462.0	24.9	.2	0
12	1462.1	25.2	.2	0
13	1462.2	25.5	.2	0
14	1462.2	25.5	.2	0
15	1462.3	25.8	.2	0
16	1462.4	26.1	.2	0
17	1462.5	26.4	.2	0
18	1462.6	26.7	.2	0
19	1462.7	26.9	.1	0
20	1462.8	27.2	.1	0
21	1462.8	27.2	.1	0
22	1462.9	27.5	.1	0
23	1463.0	27.8	.1	0
24	1463.0	27.8	.1	0
25	1463.1	28.1	.1	0
26	1463.2	28.4	.1	0
27	1463.3	28.7	.1	0
28	1463.4	29.1	.1	0
29	1463.5	29.4	.1	0
30	1463.5	29.4	.1	0
31	1463.6	29.7	.1	0
TOTAL			6.3	.5
Inf. Ac. Ft.		10.5		
Outf. Ac. Ft.		1.0 + (0)		
Max. Mean Daily Inf.		.3 cfs		
Min. Mean Daily Inf.		.1 cfs		
Storage Change		9.5 A.F.		

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1463.7	30.0	.1	0
2	1463.7	30.0	.1	0
3	1463.8	30.3	.1	0
4	1463.8	30.3	.1	0
5	1463.9	30.6	.1	0
6	1464.0	30.9	.1	0
7	1464.1	31.2	.1	0
8	1464.2	31.6	.1	0
9	1464.3	31.9	.1	0
10	1464.4	32.2	.1	0
11	1464.4	32.2	.1	0
12	1464.5	32.5	.1	0
13	1464.6	32.9	.1	0
14	1464.6	32.9	.1	0
15	1464.7	33.2	.1	0
16	1464.8	33.5	.1	0
17	1464.8	33.5	.1	0
18	1464.9	33.8	.1	0
19	1464.9	33.8	.1	0
20	1465.0	34.2	.1	0
21	1465.0	34.2	.1	0
22	1465.1	34.5	.1	0
23	1465.1	34.5	.1	0
24	1465.2	34.8	.1	0
25	1465.2	34.8	.1	0
26	1465.3	35.2	.1	0
27	1465.3	35.2	.1	0
28	1465.4	35.5	.1	0
29	1465.4	35.5	.1	0
30				
31				
TOTAL			2.9	0
Inf. Ac. Ft.		5.8		
Outf. Ac. Ft.		0 + (0)		
Max. Mean Daily Inf.		.1 cfs		
Min. Mean Daily Inf.		.1 cfs		
Storage Change		5.8 A.F.		

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1465.4	35.5	.1	.2
2	1465.5	35.9	.1	.2
3	1465.2	34.8	.1	.3
4	1464.0	30.9	.1	.3
5	1464.0	33.8	.1	.3
6	1464.7	33.2	.1	.3
7	1464.8	32.9	.1	.2
8	1464.0	30.9	+	.2
9	1464.3	31.9	+	.2
10	1464.0	30.9	+	.2
11	1463.8	30.3	+	.2
12	1463.7	30.0	-	.2
13	1463.6	29.7	+	.3
14	1463.5	29.4	+	.3
15	1463.3	28.7	+	.3
16	1463.0	27.8	+	.3
17	1462.8	27.5	+	.3
18	1462.8	27.2	+	.3
19	1462.6	26.7	+	.3
20	1462.6	26.7	+	.3
21	1462.4	26.1	+	.3
22	1462.2	25.5	+	.3
23	1462.1	25.2	+	.3
24	1461.8	24.4	+	.3
25	1461.4	23.4	+	.3
26	1461.2	22.7	+	.2
27	1460.8	21.6	+	.3
28	1460.8	21.7	-	.3
29	1460.6	21.2	+	.3
30	1460.4	20.7	+	.3
31	1460.2	20.1	+	.3
TOTAL			.7	8.4
Inf. Ac. Ft.		1.4		
Outf. Ac. Ft.		16.7 + (0)		
Max. Mean Daily Inf.		2.0 cfs		
Min. Mean Daily Inf.		+ cfs		
Storage Change		-15.3 A.F.		

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1460.0	19.6	.1	.3
2	1459.8	19.2	.1	.3
3	1459.7	18.9	.1	.3
4	1459.6	18.7	.1	.3
5	1459.4	18.2	+	.3
6	1459.2	17.7	+	.2
7	1459.1	17.4	+	.2
8	1458.9	17.1	+	.2
9	1458.9	17.0	+	.2
10	1458.7	16.6	+	.2
11	1458.5	16.2	+	.2
12	1458.3	15.6	+	.2
13	1458.0	15.1	+	.2
14	1457.7	14.5	+	.2
15	1457.5	14.1	+	.2
16	1457.2	13.5	+	.2
17	1456.9	12.9	+	.2
18	1456.7	12.6	+	.2
19	1456.5	12.2	+	.2
20	1456.3	11.8	+	.2
21	1455.9	11.1	+	.2
22	1455.6	10.7	+	.2
23	1455.3	10.2	+	.2
24	1455.1	9.8	+	.2
25	1454.9	9.5	+	.2
26	1454.7	9.2	+	.2
27	1454.5	9.0	+	.2
28	1454.3	8.7	+	.2
29	1454.1	8.4	+	.2
30	1453.9	8.1	+	.2
31				
TOTAL			.4	6.5
Inf. Ac. Ft.		.8		
Outf. Ac. Ft.		12.8 + (0)		
Max. Mean Daily Inf.		.1 cfs		
Min. Mean Daily Inf.		+ cfs		
Storage Change		-12.0 A.F.		

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1453.5	7.6	+	.2
2	1453.4	7.5	+	.2
3	1453.4	7.5	+	.2
4	1452.5	6.1	+	.2
5	1452.3	6.1	+	.2
6	1451.4	5.2	+	.2
7	1451.4	5.2	+	.2
8	1450.5	4.4	+	.2
9	1450.5	4.4	+	.2
10	1450.0	4.0	+	.2
11	1449.5	3.6	+	.2
12	1448.9	3.2	+	.2
13	1448.4	2.9	+	.2
14	1447.9	2.6	+	.1
15	1447.6	2.4	+	.1
16	1446.0	1.7	.1	.1
17	1445.3	1.4	.1	.2
18	1444.7	1.2	.1	.1
19	1444.7	1.2	.2	.2
20	1444.7	1.2	.2	.2
21	1444.7	1.2	.2	.2
22	1444.7	1.2	.2	.2
23	1444.7	1.2	.2	.2
24	1444.7	1.2	.2	.2
25	1444.7	1.2	.2	.2
26	1444.7	1.2	.2	.2
27	1444.7	1.2	.2	.2
28	1444.7	1.2	.2	.2
29	1444.7	1.2	.2	.2
30	1444.7	1.2	.2	.2
31	1444.7	1.2	.2	.2
TOTAL			2.3	5.8
Inf. Ac. Ft.		4.6		
Outf. Ac. Ft.		11.5 + (0)		
Max. Mean Daily Inf.		.1 cfs		
Min. Mean Daily Inf.		.1 cfs		
Storage Change		-6.8 A.F.		

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1444.7	1.2	.1	.2
2	1444.7	1.2	.1	.2
3	1444.7	1.2	.1	.1
4	1444.7	1.2	+	.1
5	1444.7	1.2	+	+
6	1444.7	1.2	.1	+
7	1444.7	1.2	.1	+
8	1444.7	1.2	.1	+
9	1444.7	1.2	.1	+
10	1444.7	1.2	+	+
11	1444.7	1.2	+	+
12	1444.7	1.2	+	+
13	1444.7	1.2	+	+
14	1444.7	1.2	+	.1
15	1444.7	1.2	+	.1
16	1444.0	1.0	+	.1
17	1443.7	.9	+	.1
18	1443.3	.8	+	.1
19	1442.9	.7	+	.1
20	1442.5	.6	+	.1
21	1442.1	.6	+	.1
22	1441.7	.5	+	+
23	1441.3	.4	+	+
24	1441.0	.4	+	+
25	1440.6	.3	+	+
26	1440.2	.2	+	+
27	1439.8	.2	+	+
28	1439.5	.2	+	+
29	1439.1	.1	+	+
30	1438.7	.1	+	+
31				
TOTAL			.9	1.4
Inf. Ac. Ft.		1.8		
Outf. Ac. Ft.		2.8		
Max. Mean Daily Inf.		.1		
Min. Mean Daily Inf.		+		
Storage Change		-1.1		

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1438.3	.1	+	+
2	1438.0	+	+	+
3	1437.8	+	+	+
4	1437.2	+	+	-
5	1437.4	+	+	+
6	1437.0	+	+	+
7	1437.0	+	-	+
8	1437.0	+	+	+
9	1437.0	+	+	+
10	1437.0	+	+	+
11	1437.0	+	+	+
12	1437.0	+	+	+
13	1437.0	+	+	+
14	1437.0	+	+	+
15	1437.0	+	+	+
16	1437.0	+	+	+
17	1437.0	+	+	+
18	1437.0	+	+	+
19	1437.0	+	+	+
20	1437.0	+	+	+
21	1437.0	+	+	+
22	1437.0	+	+	+
23	1437.0	+	+	+
24	1437.0	+	+	+
25	1437.0	+	+	+
26	1437.0	+	+	+
27	1437.0	+	+	+
28	1437.0	+	+	+
29	1437.0	+	+	+
30	1437.0	+	+	+
31	1437.0	+	+	+
TOTAL			+	+
Inf. Ac. Ft.		+		
Outf. Ac. Ft.		+		
Max. Mean Daily Inf.		+		
Min. Mean Daily Inf.		+		
Storage Change		-.1		

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1437.0	+	+	+
2	1437.0	+	+	+
3	1437.0	+	+	+
4	1437.0	+	+	+
5	1437.0	+	+	+
6	1437.0	+	+	+
7	1437.0	+	+	+
8	1437.0	+	+	+
9	1437.0	+	+	+
10	1437.0	+	+	+
11	1437.0	+	+	+
12	1437.0	+	+	+
13	1437.0	+	+	+
14	1437.0	+	+	+
15	1437.0	+	+	+
16	1437.0	+	+	+
17	1437.0	+	+	+
18	1437.0	+	+	+
19	1437.0	+	+	+
20	1437.0	+	+	+
21	1437.0	+	+	+
22	1437.0	+	+	+
23	1437.0	+	+	+
24	1437.0	+	+	+
25	1437.0	+	+	+
26	1437.0	+	+	+
27	1437.0	+	+	+
28	1437.0	+	+	+
29	1437.0	+	+	+
30	1437.0	+	+	+
31	1437.0	+	+	+
TOTAL			+	+
Inf. Ac. Ft.		+		
Outf. Ac. Ft.		+		
Max. Mean Daily Inf.		+		
Min. Mean Daily Inf.		+		
Storage Change		0		

SEPTEMBER

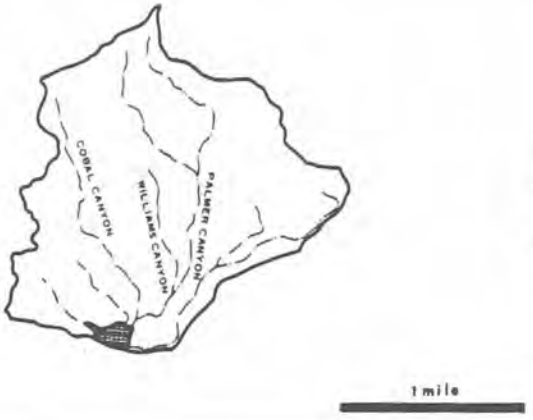
Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1437.0	+	+	+
2	1437.0	+	+	+
3	1437.0	+	+	+
4	1437.0	+	+	+
5	1437.0	+	+	+
6	1437.0	+	+	+
7	1437.0	+	+	+
8	1437.0	+	+	+
9	1437.0	+	+	+
10	1437.0	+	+	+
11	1437.0	+	+	+
12	1437.0	+	+	+
13	1437.0	+	+	+
14	1437.0	+	+	+
15	1437.0	+	+	+
16	1437.0	+	+	+
17	1437.0	+	+	+
18	1437.0	+	+	+
19	1437.0	+	+	+
20	1437.0	+	+	+
21	1437.0	+	+	+
22	1437.0	+	+	+
23	1437.0	+	+	+
24	1437.0	+	+	+
25	1437.0	+	+	+
26	1437.0	+	+	+
27	1437.0	+	+	+
28	1437.0	+	+	+
29	1437.0	+	+	+
30	1437.0	+	+	+
31				
TOTAL			+	+
Inf. Ac. Ft.		+		
Outf. Ac. Ft.		+		
Max. Mean Daily Inf.		+		
Min. Mean Daily Inf.		+		
Storage Change		0		

Max. W.S. Elev. 1465.5 feet on 3/2/72 Storage 35.8 Acre-Feet
Min. W.S. Elev. 1437.0+ feet on Various Days Storage + Acre-Feet
Max. Peak Inf. 5.1 CFS from 8:15 A.M. on 12/24/71 to 1 A.M. on 12/24/71
Max. Peak Outf. 1.3 CFS from 5:00 P.M. on 12/24/71 to 9:00 P.M. on 12/24/71

REMARKS: [Indicates average for period.
Water surface elevations from 5/15 to 9/30/72 estimated, no communication to recorder stilling well

THOMPSON CREEK DAM AND RESERVOIR

drainage area



PURPOSE -
Flood Control and Conservation

DATE CONSTRUCTED -
Started September 1925 - Completed March 1928

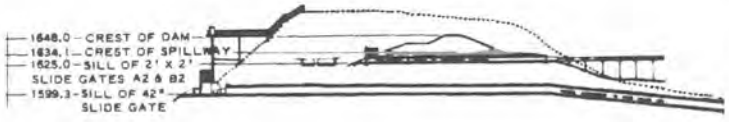
LOCATION - 3.0 miles north of claremont

DRAINAGE AREA - 3.5 square miles

CAPACITY - 447.5 acre-feet

SPILLWAY ELEVATION – 1,634.1 feet

cross-section



THOMPSON CREEK DAM

YEARLY RESERVOIR OPERATION SUMMARY

SEASON	INFLOW ANNUAL AF	INFLOW MAX-DAY CFS	INFLOW MIN-DAY CFS	OUTFLOW ANNUAL AF	PEAK INFLOW MO	DAY	CFS
1931-32	81	12	0	81	2	9	91
1932-33	0	0	0	0			0
1933-34	N.D.	N.D.	N.D.	0			N.D.
1934-35	1.0	N.D.	N.D.	0			N.D.
1935-36	0.5	N.D.	N.D.	0			N.D.
1936-37	274	24	0	0			N.D.
1937-38	1099	259	0	1096	3	2	580
1938-39	21	0.6	0	0	1	30	1.1
1939-40	49	4.5	0	0	1	7	26
1940-41	640	46	0	2.8	3	4	97
1941-42	0.3	+	0	0	12	10	0.5
1942-43	767	121	0	334	1	23	270
1943-44	286	56	0	0	2	22	111
1944-45	149	18	0	0	11	12	132
1945-46	148	25	0	0	12	23	120
1946-47	88	16	0	0	11	20	47
1947-48	0	0	0	0			0
1948-49	0	0	0	0			0
1949-50	6.2	1.6	0	0	12	19	4.5
1950-51	0	0	0	0			0
1951-52	314	30	0	34	1	16	70
1952-53	12	1.3	0	0	12	1	8.2
1953-54	194	19	0	0	1	25	172
1954-55	4.4	0.6	0	0	1	18	1.4
1955-56	58	25	0	0	1	26	117
1956-57	4.4	1.5	0	0	1	13	5.8
1957-58	389	34	0	219	4	3	67
1958-59	5.6	1.4	0	0	2	16	4.7
1959-60	2.0	0.3	0	0	4	28	5.4
1960-61	5.2	0.8	0	0	11	12	3.9
1961-62	101	9.3	0	0	11	20	190
1962-63	88	26	0	17	2	9	145
1963-64	23	4.2	0	0	3	22	20
1964-65	26	9.9	0	0	4	9	55
1965-66	258	34	0	0	11	23	140
1966-67	842	200	0	305	12	6	408
1967-68	167	6.8	0	0	11	19	18
1968-69	2556	279	0	2061	1	25	574
1969-70	54	4.8	0	1.6	3	1	13
1970-71	32	5.5	0	0	12	21	12
1971-72	6	1.3	0	0	12	27	3

N.D. = NOT DETERMINED
\+ = LESS THAN 0.05 ACRE FEET OR LESS THAN 0.05 CFS, BUT GREATER THAN 0.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

THOMPSON CREEK DAM

1969-70

DRAINAGE AREA 3.81 SQ. MI.
CAPACITY OF RESERVOIR 487.5 AC. FT.
at SPILLWAY ELEVATION 1,534.1 FT.
as of February 1969

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
TOTAL			0	
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.0	0	0	0
2	1595.0	0	0	0
3	1595.0	0	0	0
4	1595.0	0	0	0
5	1595.0	0	0	0
6	1595.0	0	0	0
7	1595.0	0	0	0
8	1595.0	0	0	0
9	1595.0	0	0	0
10	1596.8	1.1	.6	0
11	1596.8	1.1	.1	0
12	1596.9	1.2	.2	0
13	1597.0	1.4	.3	0
14	1597.1	1.6	.3	0
15	1597.2	1.8	.3	0
16	1597.2	1.8	.2	0
17	1597.3	2.0	.3	0
18	1597.4	2.2	.3	0
19	1597.4	2.2	.2	0
20	1597.5	2.4	.2	0
21	1597.5	2.4	.1	0
22	1597.6	2.6	.2	0
23	1597.6	2.6	.1	0
24	1597.7	2.8	.1	0
25	1597.7	2.8	0	0
26	1597.7	2.8	0	0
27	1597.7	2.8	0	0
28	1597.7	2.8	0	0
29	1597.7	2.8	0	0
30	1597.7	2.8	0	0
31	1597.7	2.8	0	0
TOTAL			3.5	0
Inf. Ac. Ft.			6.9	
Outf. Ac. Ft.			0 + (4.1)	
Max. Mean Daily Inf.			.6 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			2.8 A.F.	

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1597.7	2.8	0	0
2	1597.6	2.6	0	0
3	1597.6	2.6	0	0
4	1597.6	2.6	0	0
5	1597.5	2.6	0	0
6	1597.6	2.6	0	0
7	1597.6	2.6	0	0
8	1597.6	2.6	0	0
9	1597.6	2.6	0	0
10	1597.6	2.6	0	0
11	1597.6	2.6	0	0
12	1597.6	2.6	0	0
13	1597.6	2.6	0	0
14	1597.6	2.6	0	0
15	1597.6	2.6	0	0
16	1597.6	2.6	0	0
17	1597.6	2.6	0	0
18	1597.6	2.6	0	0
19	1597.6	2.6	0	0
20	1597.6	2.6	0	0
21	1597.6	2.6	0	0
22	1597.6	2.6	0	0
23	1597.5	2.4	0	0
24	1597.4	2.2	0	0
25	1597.3	2.0	0	0
26	1597.3	2.0	0	0
27	1597.3	2.0	0	0
28	1597.3	2.0	0	0
29	1597.3	2.0	0	0
30	1597.3	2.0	0	0
31	1597.3	2.0	0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0 + (.8)	
Max. Mean Daily Inf.			0 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-.8 A.F.	

NO STORAGE

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1597.3	2.0	0	0
2	1597.3	2.0	0	0
3	1597.3	2.0	0	0
4	1597.3	2.0	0	0
5	1597.3	2.0	0	0
6	1597.2	1.8	0	0
7	1597.2	1.8	0	0
8	1597.1	1.6	0	0
9	1597.1	1.6	0	0
10	1597.4	2.2	.3	0
11	1597.4	2.2	0	0
12	1597.4	2.2	0	0
13	1597.4	2.2	0	0
14	1597.4	2.2	0	0
15	1597.3	2.0	0	0
16	1597.2	1.8	0	0
17	1597.2	1.8	0	0
18	1597.1	1.6	0	0
19	1597.1	1.6	0	0
20	1597.0	1.4	0	0
21	1597.0	1.4	0	0
22	1596.9	1.2	0	0
23	1596.9	1.2	0	0
24	1596.9	1.2	0	0
25	1596.9	1.2	0	0
26	1596.9	1.2	0	0
27	1596.9	1.2	0	0
28	1598.3	4.3	1.5	0
29				
30				
31				
TOTAL			1.8	0
Inf. Ac. Ft.			3.6	
Outf. Ac. Ft.			0 + (1.4)	
Max. Mean Daily Inf.			1.5 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			2.2 A.F.	

NO STORAGE

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1600.9	12.7	4.8	0
2	1602.8	20.7	4.6	0
3	1602.8	20.7	.6	0
4	1603.5	24.0	2.3	0
5	1603.8	25.4	1.4	0
6	1603.6	24.4	.2	0
7	1603.4	23.5	.2	0
8	1603.2	22.6	.2	0
9	1603.0	21.6	.2	0
10	1602.8	20.7	.2	0
11	1602.6	19.8	.2	0
12	1602.4	18.9	.2	0
13	1602.1	17.6	.2	0
14	1601.9	16.8	.2	0
15	1601.7	15.9	.2	0
16	1601.5	15.1	.2	0
17	1601.3	14.3	.1	0
18	1601.2	13.9	.1	0
19	1601.0	13.1	.1	0
20	1600.9	12.7	.1	.1
21	1600.4	10.9	.2	.4
22	1599.9	9.1	.1	.4
23	1599.5	7.8	.1	0
24	1599.3	7.1	.1	0
25	1599.2	6.8	.1	0
26	1599.2	6.8	.1	0
27	1599.2	6.8	.1	0
28	1599.2	6.8	.1	0
29	1599.2	6.8	.1	0
30	1599.2	6.8	.1	0
31	1599.2	6.8	.1	0
TOTAL			17.4	.8
Inf. Ac. Ft.			34.5	
Outf. Ac. Ft.			1.6 + (30.3)	
Max. Mean Daily Inf.			4.8 cfs	
Min. Mean Daily Inf.			.1 cfs	
Storage Change			2.5 A.F.	

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1599.1	6.5	.1	0
2	1599.0	6.2	.1	0
3	1598.9	5.9	.1	0
4	1598.9	5.9	.1	0
5	1598.9	5.9	.1	0
6	1598.8	5.6	.1	0
7	1598.8	5.6	.1	0
8	1598.7	5.4	.1	0
9	1598.6	5.1	.1	0
10	1598.6	5.1	.1	0
11	1598.5	4.8	.1	0
12	1598.5	4.8	.1	0
13	1598.5	4.8	.1	0
14	1598.5	4.8	.1	0
15	1598.4	4.5	.1	0
16	1598.3	4.3	0	0
17	1598.3	4.3	.1	0
18	1598.2	4.0	0	0
19	1598.2	4.0	.1	0
20	1598.1	3.7	0	0
21	1598.1	3.7	.1	0
22	1598.1	3.7	.1	0
23	1598.0	3.5	0	0
24	1598.0	3.5	.1	0
25	1598.0	3.5	0	0
26	1598.0	3.5	.1	0
27	1597.9	3.2	0	0
28	1597.8	3.0	0	0
TOTAL			2.2	0
Inf. Ac. Ft.			4.4	
Outf. Ac. Ft.			0 + (8.2)	
Max. Mean Daily Inf.			.2 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-3.7 A.F.	

NO STORAGE

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1597.8	3.0	.1	0
2	1597.8	3.0	.1	0
3	1597.7	2.8	0	0
4	1597.7	2.8	.1	0
5	1597.7	2.8	.1	0
6	1597.6	2.6	0	0
7	1597.5	2.4	0	0
8	1597.5	2.4	.1	0
9	1597.5	2.4	.1	0
10	1597.5	2.4	.1	0
11	1597.4	2.2	0	0
12	1597.4	2.2	.1	0
13	1597.3	2.0	0	0
14	1597.3	2.0	.1	0
15	1597.2	1.8	0	0
16	1597.2	1.8	.1	0
17	1597.1	1.6	0	0
18	1597.1	1.6	.1	0
19	1597.1	1.6	.1	0
20	1597.1	1.6	.1	0
21	1597.1	1.6	.1	0
22	1597.1	1.6	.1	0
23	1597.0	1.4	0	0
24	1597.0	1.4	.1	0
25	1597.0	1.4	.1	0
26	1597.0	1.4	.1	0
27	1597.0	1.4	.1	0
28	1597.0	1.4	.1	0
29	1596.9	1.2	0	0
30	1596.8	1.1	0	0
31	1596.7	1.0	.1	0
TOTAL			2.1	0
Inf. Ac. Ft.			4.1	
Outf. Ac. Ft.			0 + (6.2)	
Max. Mean Daily Inf.			.2 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-2.0 A.F.	

NO STORAGE

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1596.6	.8	0	0
2	1596.5	.7	0	0
3	1596.4	.6	.1	0
4	1596.3	.5	0	0
5	1596.2	.3	0	0
6	1596.1	.2	0	0
7	1596.0	.1	.1	0
8	1596.0	.1	.1	0
9	1595.0	0	0	0
10	1595.0	0	0	0
11	1595.0	0	0	0
12	1595.0	0	0	0
13	1595.0	0	0	0
14	1595.0	0	0	0
15	1595.0	0	0	0
16	1595.0	0	0	0
17	1595.0	0	0	0
18	1595.0	0	0	0
19	1595.0	0	0	0
20	1595.0	0	0	0
21	1595.0	0	0	0
22	1595.0	0	0	0
23	1595.0	0	0	0
24	1595.0	0	0	0
25	1595.0	0	0	0
26	1595.0	0	0	0
27	1595.0	0	0	0
28	1595.0	0	0	0
29	1595.0	0	0	0
30	1595.0	0	0	0
31				
TOTAL			.3	0
Inf. Ac. Ft.			.6	
Outf. Ac. Ft.			0 + (1.5)	
Max. Mean Daily Inf.			.1 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-.9 A.F.	

NO STORAGE

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

Max. W.S. Elev. 1603.8 feet on 3/5/70 Storage 25.4 Acre-Feet

Min. W.S. Elev. 1595.0 feet on Various Days Storage 0 Acre-Feet

Max. Peak Inf. 13.3 CFS from 12:00 Midnight to 3:00 A.M. on 3/4/70

Max. Peak Outf. .4 CFS from 2:00 A.M. to 3:20 A.M. on 3/4/70

REMARKS:

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

THOMPSON CREEK DAM

1970-71

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA 3.81 SQ. MI.
CAPACITY OF RESERVOIR 447.5 AC. FT.
at SPILLWAY ELEVATION 1634.1 FT.
as of February, 1959

Day	OCTOBER				NOVEMBER				DECEMBER				JANUARY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0	1595.0	0	0	0	1597.2	1.8	0.1	0	1599.2	6.8	0.1	0	1
2			0	0	1595.0	0	0	0	1597.1	1.6	0.1	0	1599.0	6.2	0.1	0	2
3			0	0	1595.0	0	0	0	1597.1	1.6	0.1	0	1598.8	5.6	0.1	0	3
4			0	0	1595.0	0	0	0	1597.0	1.4	0.1	0	1598.6	5.1	0.1	0	4
5			0	0	1595.0	0	0	0	1596.9	1.2	0.1	0	1598.5	4.8	0.1	0	5
6			0	0	1595.0	0	0	0	1596.9	1.2	0.1	0	1598.5	4.8	0.1	0	6
7			0	0	1595.0	0	0	0	1596.8	1.1	0.1	0	1598.4	4.5	0.1	0	7
8			0	0	1595.0	0	0	0	1596.8	1.1	0.1	0	1598.3	4.3	0.1	0	8
9			0	0	1595.0	0	0	0	1596.7	1.0	0.1	0	1598.2	4.0	0.1	0	9
10			0	0	1595.0	0	0	0	1596.6	.8	0.1	0	1598.1	3.7	0.1	0	10
11			0	0	1595.0	0	0	0	1596.6	.8	0.1	0	1598.0	3.5	0.1	0	11
12			0	0	1595.0	0	0	0	1596.5	.7	0.1	0	1598.0	3.5	0.1	0	12
13			0	0	1595.0	0	0	0	1596.4	.6	0.1	0	1597.9	3.2	0.1	0	13
14			0	0	1595.0	0	0	0	1596.4	.6	0.1	0	1597.8	3.0	0.1	0	14
15			0	0	1595.0	0	0	0	1596.3	.5	0.1	0	1597.8	3.0	0.1	0	15
16		NO STORAGE	0	0	1595.0	0	0	0	1596.2	.3	0.1	0	1597.7	2.8	0	0	16
17			0	0	1595.0	0	0	0	1596.2	.3	0.1	0	1597.6	2.6	0	0	17
18			0	0	1595.0	0	0	0	1596.8	1.1	.5	0	1597.6	2.6	0	0	18
19			0	0	1595.0	0	0	0	1597.5	2.4	.9	0	1597.5	2.4	0	0	19
20			0	0	1595.0	0	0	0	1598.0	3.5	.7	0	1597.5	2.4	0	0	20
21			0	0	1595.0	0	0	0	1601.1	13.5	5.5	0	1597.4	2.2	0	0	21
22			0	0	1595.0	0	0	0	1601.4	14.7	1.0	0	1597.4	2.2	0	0	22
23			0	0	1595.0	0	0	0	1601.2	13.9	.2	0	1597.3	2.0	0	0	23
24			0	0	1595.0	0	0	0	1601.0	13.1	.2	0	1597.2	1.8	0	0	24
25			0	0	1595.0	0	0	0	1600.8	12.4	.2	0	1597.1	1.6	0	0	25
26			0	0	1595.0	0	0	0	1600.5	11.3	0.1	0	1597.1	1.6	0	0	26
27			0	0	1595.0	0	0	0	1600.2	10.1	0.1	0	1597.0	1.4	0	0	27
28			0	0	1595.0	0	0	0	1600.0	9.4	0.1	0	1597.0	1.4	0	0	28
29			0	0	1597.5	2.4	1.4	0	1599.8	8.8	0.1	0	1596.9	1.2	0	0	29
30			0	0	1597.1	2.0	0	0	1599.6	8.1	0.1	0	1596.9	1.2	0	0	30
31			0	0					1599.4	7.5	0.1	0	1596.9	1.2	0	0	31
TOTAL			0	0			1.4	0			11.5	0			1.5	0	
Inf. Ac. Ft.			0				2.8				22.9				3.0		
Outf. Ac. Ft.			0				0 + (.7)				0 + (17.4)				0 + (9.3)		
Max. Mean Daily Inf.			0				1.4 cfs				5.5 cfs				0.1 cfs		
Min. Mean Daily Inf.			0				0 cfs				0.1 cfs				0 cfs		
Storage Change			0				2.0 A.F.				5.4 A.F.				-6.2 A.F.		

Day	FEBRUARY				MARCH				APRIL				MAY				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1	1596.8	1.1	0	0	1596.4	.6	0	0	1596.3	.5	0	0			0	0	1
2	1596.8	1.1	0	0	1596.3	.5	0	0	1596.2	.3	0	0			0	0	2
3	1596.8	1.1	0	0	1596.3	.5	0	0	1596.2	.3	0	0			0	0	3
4	1596.8	1.1	0	0	1596.3	.5	0	0	1596.1	.2	0	0			0	0	4
5	1596.8	1.1	0	0	1596.2	.3	0	0	1596.1	.2	0	0			0	0	5
6	1596.8	1.1	0	0	1596.2	.3	0	0	1596.0	.1	0	0			0	0	6
7	1596.8	1.1	0	0	1596.2	.3	0	0	1596.0	.1	0	0			0	0	7
8	1596.8	1.1	0	0	1596.1	.2	0	0	1595.0	0	0	0			0	0	8
9	1596.8	1.1	0	0	1596.1	.2	0	0	1595.0	0	0	0			0	0	9
10	1596.8	1.1	0	0	1596.1	.2	0	0	1595.0	0	0	0			0	0	10
11	1596.8	1.1	0	0	1596.1	.2	0	0	1595.0	0	0	0			0	0	11
12	1596.8	1.1	0	0	1596.1	.2	0	0	1595.0	0	0	0			0	0	12
13	1596.7	1.0	0	0	1597.6	2.6	1.4	0	1595.0	0	0	0			0	0	13
14	1596.7	1.0	0	0	1597.5	2.4	0	0	1595.0	0	0	0			0	0	14
15	1596.7	1.0	0	0	1597.4	2.2	0	0	1595.0	0	0	0			0	0	15
16	1596.6	.8	0	0	1597.3	2.0	0	0	1595.0	0	0	0		NO STORAGE	0	0	16
17	1596.6	.8	0	0	1597.3	2.0	0	0	1595.0	0	0	0			0	0	17
18	1596.6	.8	0	0	1597.2	1.8	0	0	1595.0	0	0	0			0	0	18
19	1596.6	.8	0	0	1597.1	1.6	0	0	1595.0	0	0	0			0	0	19
20	1596.5	.7	0	0	1597.0	1.4	0	0	1595.0	0	0	0			0	0	20
21	1596.5	.7	0	0	1.96.9	1.2	0	0	1595.0	0	0	0			0	0	21
22	1596.5	.7	0	0	1596.8	1.1	0	0	1595.0	0	0	0			0	0	22
23	1596.5	.7	0	0	1596.7	1.0	0	0	1595.0	0	0	0			0	0	23
24	1596.5	.7	0	0	1596.7	1.0	0	0	1595.0	0	0	0			0	0	24
25	1596.4	.6	0	0	1596.6	.8	0	0	1595.0	0	0	0			0	0	25
26	1596.4	.6	0	0	1596.6	.8	0	0	1595.0	0	0	0			0	0	26
27	1596.4	.6	0	0	1596.5	.7	0	0	1595.0	0	0	0			0	0	27
28	1596.4	.6	0	0	1596.5	.7	0	0	1595.0	0	0	0			0	0	28
29					1596.4	.6	0	0	1595.0	0	0	0			0	0	29
30					1596.4	.6	0	0	1595.0	0	0	0			0	0	30
31					1596.3	.5	0	0							0	0	31
TOTAL			0	0			1.4	0			0	0			0	0	
Inf. Ac. Ft.			0				2.8				0				0		
Outf. Ac. Ft.			0 + (0.6)				0 + (3.0)				0 + (.5)				0		
Max. Mean Daily Inf.			0 cfs				1.4 cfs				0 cfs				0		
Min. Mean Daily Inf.			0 cfs				0 cfs				0 cfs				0		
Storage Change			-.6 A.F.				-.1 A.F.				-.4 A.F.				0		

Day	JUNE				JULY				AUGUST				SEPTEMBER				Day
	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	
1			0	0			0	0			0	0			0	0	1
2			0	0			0	0			0	0			0	0	2
3			0	0			0	0			0	0			0	0	3
4			0	0			0	0			0	0			0	0	4
5			0	0			0	0			0	0			0	0	5
6			0	0			0	0			0	0			0	0	6
7			0	0			0	0			0	0			0	0	7
8			0	0			0	0			0	0			0	0	8
9			0	0			0	0			0	0			0	0	9
10			0	0			0	0			0	0			0	0	10
11			0	0			0	0			0	0			0	0	11
12			0	0			0	0			0	0			0	0	12
13			0	0			0	0			0	0			0	0	13
14			0	0			0	0				[illegible]			0	0	14
15			0	0			[illegible]	0			[redacted]	[redacted]			0	0	15
16		NO STORAGE	0	0		NO STORAGE	[illegible]	0		NO STORAGE	0	[illegible]		NO STORAGE	0	0	16
17			0	0			0	0			0	0			0	0	17
18			0	0			0	0			0	0			0	0	18
19			0	0			0	0			0	0			0	0	19
20			0	0			0	0			0	0			0	0	20
21			0	0			0	0			0	0			0	0	21
22			0	0			0	0			0	0			0	0	22
23			0	0			0	0			0	0			0	0	23
24			0	0			0	0			0	0			0	0	24
25			0	0			0	0			0	0			0	0	25
26			0	0			0	0			0	0			0	0	26
27			0	0			0	0			0	0			0	0	27
28			0	0			0	0			0	0			0	0	28
29			0	0			0	0			0	0			0	0	29
30			0	0			0	0			0	0			0	0	30
31							0	0			0	0					31
TOTAL			0				0				0	0			0	0	
Inf. Ac. Ft.			0				0				0				0		
Outf. Ac. Ft.			0				0				0				0		
Max. Mean Daily Inf.			0				0				0				0		
Min. Mean Daily Inf.			0				0				0				0		
Storage Change																	

Max. W.S. Elev.	1601.5	feet	on 12/22/70	Storage	15.1	Acre-Feet			
Min. W.S. Elev.	1595.0	feet	on various days	Storage	0	Acre-Feet			
Max. Peak Inf.	11.5	CFS from 6:00 a.m.	on 12/21/70	to 8:00 a.m.	on 12/21/70				
Max. Peak Outf.	0	CFS from -----	on -----	to -----	on -----				
Remarks	[indicates average for period								
	( ) indicates percolation losses								

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

THOMPSON CREEK DAM

1971-72

DRAINAGE AREA 3.51 SQ. MI
CAPACITY OF RESERVOIR 647.5 AC. FT.
@ SPILLWAY ELEVATION 1634.1 FT.
as of February, 19 80

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

OCTOBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

NOVEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

DECEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.8	0	0	0
2	1595.8	0	0	0
3	1595.8	0	0	0
4	1595.8	0	0	0
5	1595.8	0	0	0
6	1595.8	0	0	0
7	1595.8	0	0	0
8	1595.8	0	0	0
9	1595.8	0	0	0
10	1595.8	0	0	0
11	1595.8	0	0	0
12	1595.8	0	0	0
13	1595.8	0	0	0
14	1595.8	0	0	0
15	1595.8	0	0	0
16	1595.8	0	0	0
17	1595.8	0	0	0
18	1595.8	0	0	0
19	1595.8	0	0	0
20	1595.8	0	0	0
21	1595.8	0	0	0
22	1595.8	0	0	0
23	1595.8	0	0	0
24	1595.8	0	0	0
25	1595.8	0	0	0
26	1597.4	2.2	1.2	0
27	1598.4	4.3	1.3	0
28	1598.7	4.8	.2	0
29	1598.8	5.1	.2	0
30	1598.7	5.1	.2	0
31	1598.7	5.1	.2	0
TOTAL			7.6	0
Inf. Ac. Ft.			8.4	
Outf. Ac. Ft.			0 - (1.1)	
Max. Mean Daily Inf.			1.3 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			5.3 A.F.	

NO STORAGE

JANUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1598.6	5.1	0	0
2	1598.4	4.5	0	0
3	1598.2	4.0	0	0
4	1598.0	3.5	0	0
5	1597.8	3.0	0	0
6	1597.7	2.8	0	0
7	1597.6	2.6	0	0
8	1597.5	2.4	0	0
9	1597.4	2.2	0	0
10	1597.3	2.0	0	0
11	1597.2	1.8	0	0
12	1597.1	1.6	0	0
13	1597.0	1.4	0	0
14	1596.9	1.2	0	0
15	1596.8	1.1	0	0
16	1596.7	1.0	0	0
17	1596.6	.8	0	0
18	1596.5	.7	0	0
19	1596.4	.6	0	0
20	1596.4	.6	0	0
21	1596.3	.5	0	0
22	1596.3	.5	0	0
23	1596.2	.3	0	0
24	1596.2	.3	0	0
25	1596.1	.2	0	0
26	1596.1	.2	0	0
27	1596.0	.1	0	0
28	1596.0	.1	0	0
29	1596.0	.1	0	0
30	1595.9	0	0	0
31	1595.8	0	0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0 + (5.3)	
Max. Mean Daily Inf.			0 cfs	
Min. Mean Daily Inf.			0 cfs	
Storage Change			-5.3 A.F.	

NO STORAGE

FEBRUARY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

MARCH

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	
16			0	
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

APRIL

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

MAY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1			0	0
2			0	0
3			0	0
4			0	0
5			0	0
6			0	0
7			0	0
8			0	0
9			0	0
10			0	0
11			0	0
12			0	0
13			0	0
14			0	0
15			0	0
16			0	0
17			0	0
18			0	0
19			0	0
20			0	0
21			0	0
22			0	0
23			0	0
24			0	0
25			0	0
26			0	0
27			0	0
28			0	0
29			0	0
30			0	0
31			0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

NO STORAGE

JUNE

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.8	0	0	0
2	1595.8	0	0	00
3	1595.8	0	0	0
4	1595.8	0	0	0
5	1595.8	0	0	0
6	1595.8	0	0	0
7	1595.8	0	0	0
8	1595.8	0	0	0
9	1595.8	0	0	0
10	1595.8	0	0	0
11	1595.8	0	0	0
12	1595.8	0	0	0
13	1595.8	0	0	0
14	1595.8	0	0	0
15	1595.8	0	0	0
16	1595.8	0	0	0
17	1595.8	0	0	0
18	1595.8	0	0	0
19	1595.8	0	0	0
20	1595.8	0	0	0
21	1595.8	0	0	0
22	1595.8	0	0	0
23	1595.8	0	0	0
24	1595.8	0	0	0
25	1595.8	0	0	0
26	1595.8	0	0	0
27	1595.8	0	0	0
28	1595.8	0	0	0
29	1595.8	0	0	0
30	1595.8	0	0	0
31				
TOTAL		0	0	
Inf. Ac. Ft.		0		
Outf. Ac. Ft.		0		
Max. Mean Daily Inf.		0		
Min. Mean Daily Inf.		0		
Storage Change		0		

JULY

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.8	0	0	0
2	1595.8	0	0	0
3	1595.8	0	0	0
4	1595.8	0	0	0
5	1595.8	0	0	0
6	1595.8	0	0	0
7	1595.8	0	0	0
8	1595.8	0	0	0
9	1595.8	0	0	0
10	1595.8	0	0	0
11	1595.8	0	0	0
12	1595.8	0	0	0
13	1595.8	0	0	0
14	1595.8	0	0	0
15	1595.8	0	0	0
16	1595.8	0	0	0
17	1595.8	0	0	0
18	1595.8	0	0	0
19	1595.8	0	0	0
20	1595.8	0	0	0
21	1595.8	0	0	0
22	1595.8	0	0	0
23	1595.8	0	0	0
24	1595.8	0	0	0
25	1595.8	0	0	0
26	1595.8	0	0	0
27	1595.8	0	0	0
28	1595.8	0	0	0
29	1595.8	0	0	0
30	1595.8	0	0	0
31	1595.8	0	0	0
TOTAL		0	0	
Inf. Ac. Ft.		0		
Outf. Ac. Ft.		0		
Max. Mean Daily Inf.		0		
Min. Mean Daily Inf.		0		
Storage Change		0		

AUGUST

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.8	0	0	0
2	1595.8	0	0	0
3	1595.8	0	0	0
4	1595.8	0	0	0
5	1595.8	0	0	0
6	1595.8	0	0	0
7	1595.8	0	0	0
8	1595.8	0	0	0
9	1595.8	0	0	0
10	1595.8	0	0	0
11	1595.8	0	0	0
12	1595.8	0	0	0
13	1595.8	0	0	0
14	1595.8	0	0	0
15	1595.8	0	0	0
16	1595.8	0	0	0
17	1595.8	0	0	0
18	1595.8	0	0	0
19	1595.8	0	0	0
20	1595.8	0	0	0
21	1595.8	0	0	0
22	1595.8	0	0	0
23	1595.8	0	0	0
24	1595.8	0	0	0
25	1595.8	0	0	0
26	1595.8	0	0	0
27	1595.8	0	0	0
28	1595.8	0	0	0
29	1595.8	0	0	0
30	1595.8	0	0	0
31	1595.8	0	0	0
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

SEPTEMBER

Day	Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	1595.8	0	0	0
2	1595.8	0	0	0
3	1595.8	0	0	0
4	1595.8	0	0	0
5	1595.8	0	0	0
6	1595.8	0	0	0
7	1595.8	0	0	0
8	1595.8	0	0	0
9	1595.8	0	0	0
10	1595.8	0	0	0
11	1595.8	0	0	0
12	1595.8	0	0	0
13	1595.8	0	0	0
14	1595.8	0	0	0
15	1595.8	0	0	0
16	1595.8	0	0	0
17	1595.8	0	0	0
18	1595.8	0	0	0
19	1595.8	0	0	0
20	1595.8	0	0	0
21	1595.8	0	0	0
22	1595.8	0	0	0
23	1595.8	0	0	0
24	1595.8	0	0	0
25	1595.8	0	0	0
26	1595.8	0	0	0
27	1595.8	0	0	0
28	1595.8	0	0	0
29	1595.8	0	0	0
30	1595.8	0	0	0
31				
TOTAL			0	0
Inf. Ac. Ft.			0	
Outf. Ac. Ft.			0	
Max. Mean Daily Inf.			0	
Min. Mean Daily Inf.			0	
Storage Change			0	

Max. W.S. Elev.	1598.7	feet	on 12/30-31/71	Storage	5.3	Acre-Feet	
Min. W.S. Elev.	1595.8	feet	on Various Days	Storage	0	Acre-Feet	
Max. Peak Inf.	2.9	CFS from	11:45 A.M.	on 12/27/71	to 3:45 P.M.	on 12/27/71	
Max. Peak Outf.	0	CFS from		on	to	on	

REMARKS: ( ) Indicates percolation losses.

FOREWORD

Eroded material from the mountain watersheds, in the form of the mud and debris flows, is a major cause of the flood damage in Los Angeles County and must be controlled before flood control channels and spreading grounds can be operated. Control is provided by debris basins and upstream stabilization structures. Accumulation of eroded material in the reservoirs and debris basins seriously reduce their flood protection capabilities. The debris basins' function in protecting downstream residents from mud flow and damage was demonstrated in the past seasons, especially in 1969 storms.

The District operated and maintained 70 debris basins during the 1969-70 water year. The number of facilities was increased to 76 during 1970-71 and to 79 during the 1971-72 water year. The Los Angeles District Corps of Engineers, Department of the Army, operates and maintains Haines Debris Basin. A map showing the location of debris basins maintained by the District is shown on page 319

PURPOSE

Debris basins retain the large debris from their drainage area and let the clear water and fines pass into the flood control channels. The maximum storage capacity of 80 debris basins is 9,217,000 cubic yards. A total amount of 7,648,700 cubic yards is available for debris storage in the beginning of the 1972-73 season. No significant debris flow was observed in the past three years. The anticipated debris flow in the 1970-71 season, due to the fire of September 25 to October 2, 1970, was very little due to the small amount of rainfall during this season.

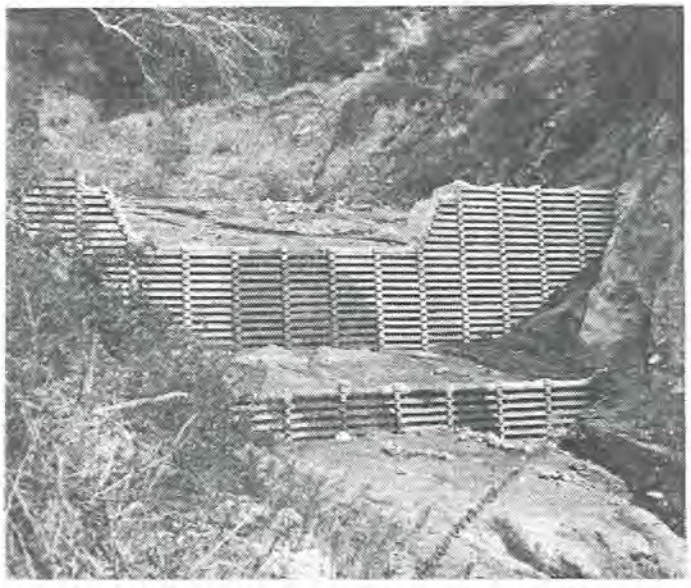
As part of precautionary measures taken at the beginning of the 1970-71 season, the District constructed numerous debris structures. A very small amount of debris flow was observed in the Rice East and Browns Canyons in the west of Los Angeles County. The earthquake of February 9, 1971, affected debris basins in the Sylmar area. It was also due to dry season that no considerable debris inflow was observed in these facilities.

NEW FACILITIES

During the 1969-70 water year, Allen Reservoir, Hog, Sombrero, and Stetson Debris Basins were completed and accepted by the District for operation and maintenance. Hog, Stetson, and Sombrero Debris Basins were under construction in 1968-69 and partially acted as debris storing facilities. Officially, it was not until 1969-70 water year that these basins were considered for operation as debris basins. Therefore, the first season was considered to be 1969-70 water year. Allen Reservoir check dam, constructed by the United States Forest Service under a cooperative agreement with the District as part of a stabilization project, also functioned during the 1968-69 season. It was again in the 1969-70 season that the District accepted it as a debris basin for operation and maintenance.

In 1970-71 water year, Aliso and Hook West Debris Basins were completed. Bell Inlet, built as part of a private drainage system, was also considered in debris basin list. This structure was functioning during 1968-69 and 1969-70 storm year. However, it was in 1970-71 when it was included in debris basin lists. In 1971-72 water year, Arbor-Dell, Beatty, Brace, Carriage House, Golf Club Drive, Haven Way, and Sunnyside were completed and accepted for oper-

House, Haven Way, and Sunnyside were built as part of private drainage system. Brace and Haven Way Debris Basins were built to replace McClure Debris Basin. Therefore, in 1971-72 water year, McClure Debris Basin was eliminated from the debris basin list.



STABILIZATION STRUCTURES

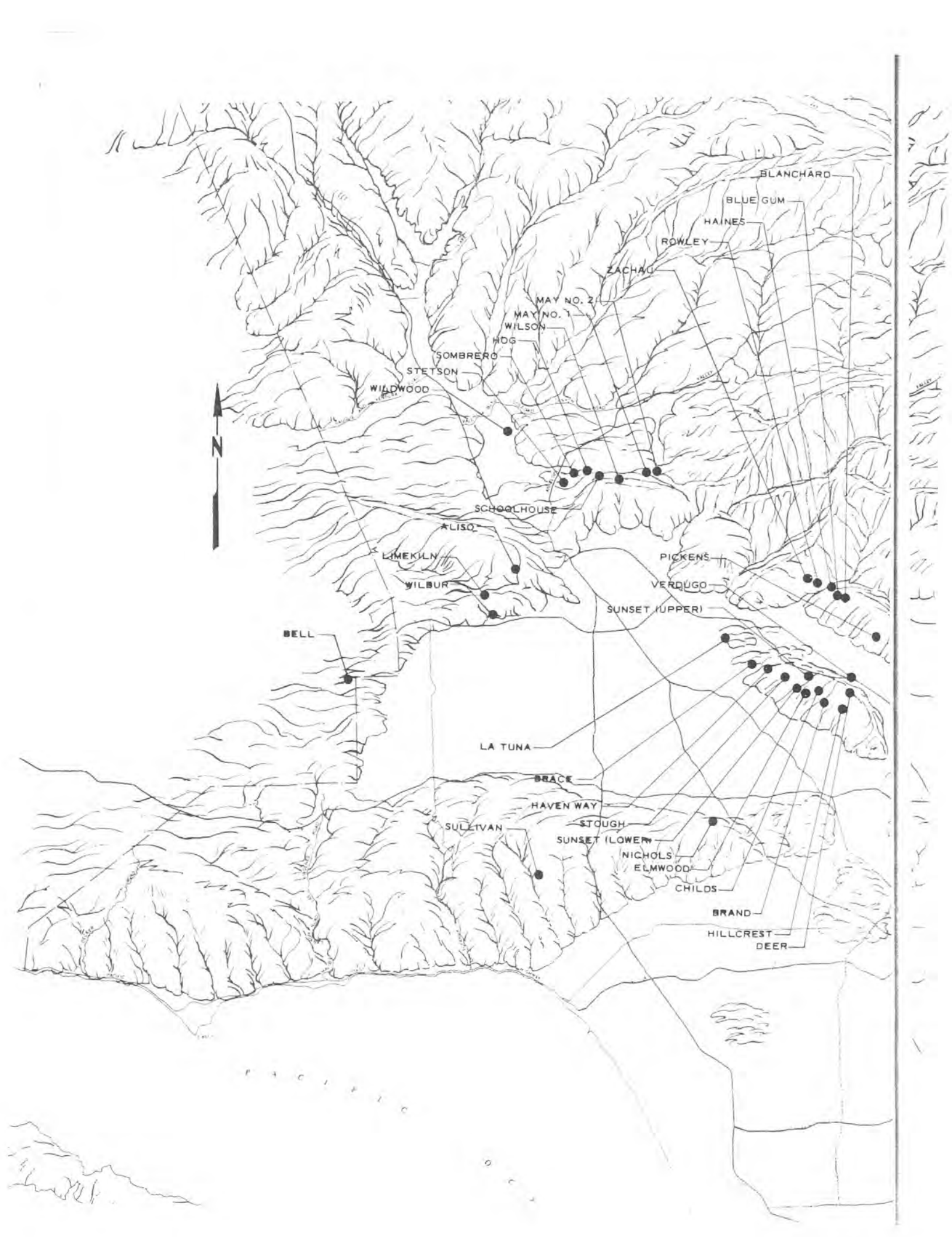
The District maintained 182 stabilization structures in 32 watersheds during the 1969-70 water year. The system was increased during the 1970-71 season to 204 structures in 44 watersheds. The program was expanded during the 1971-72 water year to 215 structures in 45 watersheds.

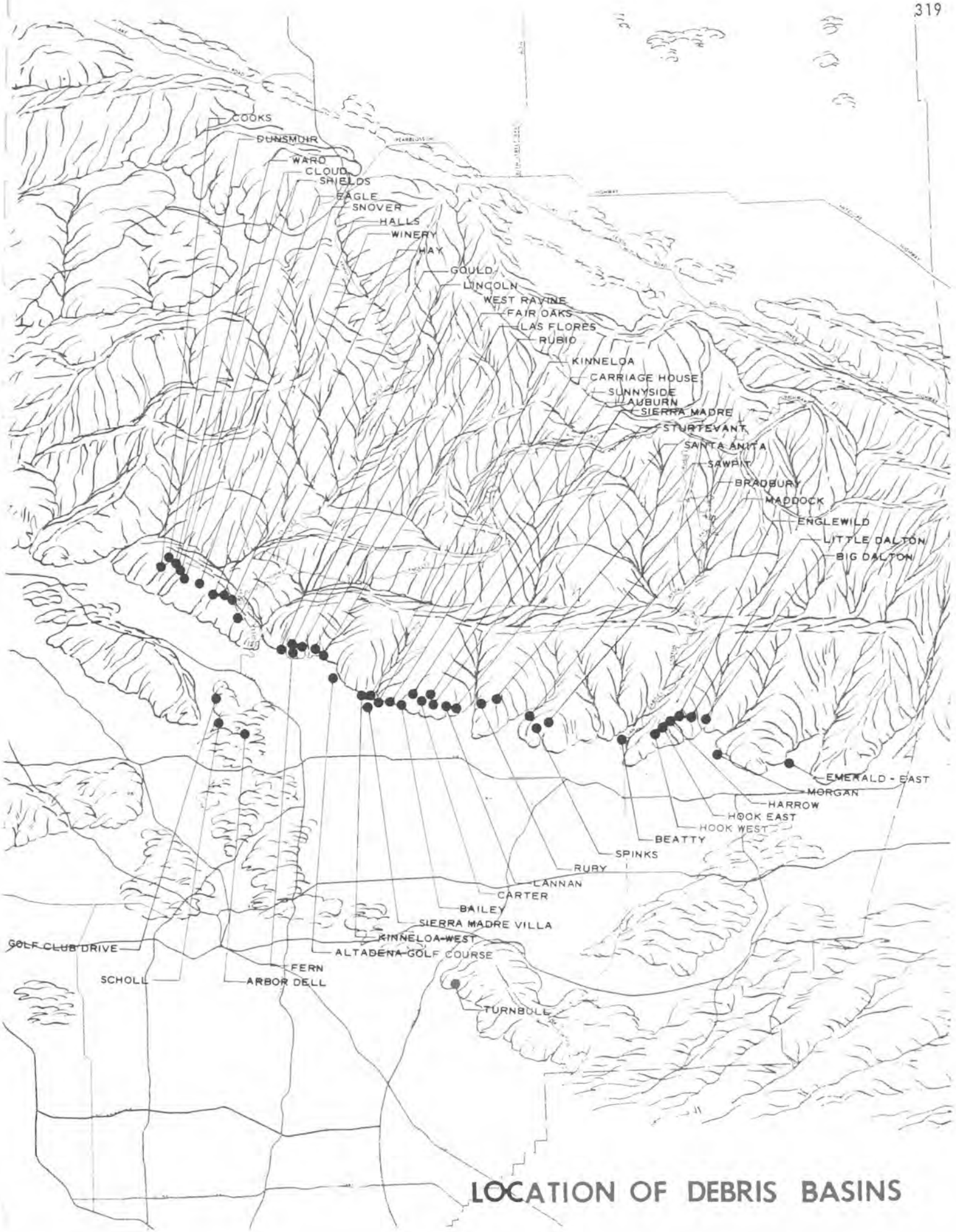
NEW FACILITIES

During the 1969-70 season and as a result of the destructive January and February 1969 storms, a total of 29 stabilization structures were installed in 10 frontal watersheds above the cities of Azusa and Glendora and in the Pasadena Glen watershed above Pasadena. The dams were constructed with emergency funds provided by Section 216 of the Flood Control Act of 1950, a Federal program.

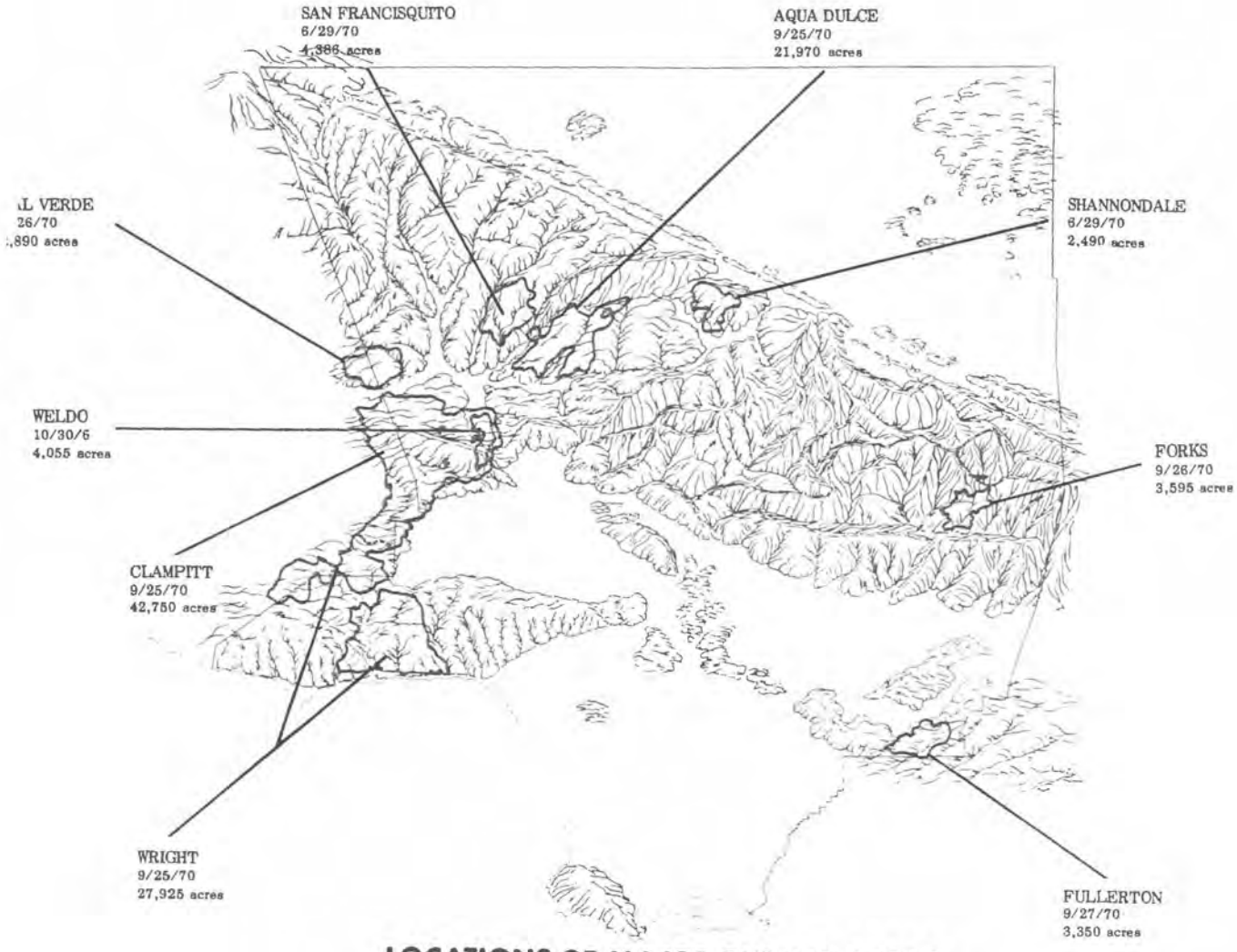
In 1970-71, the Section 216 work was completed with the installation of fourteen stabilization structures in eight watersheds, including Sand, Iron, and Bear Canyons in the Santa Clara River drainage. Six check dams were also constructed in the Chatsworth and Valencia areas after the disastrous 1970 fires with Federal aid from the Office of Emergency Preparedness under its disaster program. Two stabilization structures were also completed in Blanchard and El Prieto Canyons under a cooperative agreement with the United States Forest Service.

During the 1971-72 season, stabilization structures were installed in Haines and El Prieto Canyons.


BLANCHARD
BLUE GUM
HAINES
ROWLEY
ZACHAU
MAY NO. 2
MAY NO. 1
WILSON
HOG
SOMBRERO
STETSON
WILDWOOD
N
SCHOOLHOUSE
ALISO
LIMEKILN
WILBUR
PICKENS
VERDUGO
SUNSET (UPPER)
BELL
LA TUNA
BRACE
HAVEN WAY
STOUGH
SULLIVAN
SUNSET (LOWER)
NICHOLS
ELMWOOD
CHILDS
BRAND
HILLCREST
DEER



LOCATION OF DEBRIS BASINS



LOCATIONS OF MAJOR BURNED AREAS

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DEBRIS PRODUCTION HISTORY
OF DEBRIS BASINS
INCLUDING 1969-70 SEASON

	DEBRIS BASINS	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	FIRST DEBRIS SEASON	NUMBER OF SEASONS	MAX. DEBRIS CAPACITY CU. YDS.	1969-70 DEBRIS PRODUCTION CU. YDS.	TOTAL DEBRIS DEPOSITED CU. YDS.	MAX. SEASONAL DEBRIS PRODUCTION: CU. YDS. PER SQ. MI.	SEASON	TOTAL DEBRIS REMOVED CU. YDS.	DEBRIS IN STORAGE CU. YDS.	
1	ALISO	2.77	1970-71	0	117,900	(1)	(1)	(1)	(1)	(1)	(1)	1.
2	ALTADENA GOLF COURSE	0.20	1945-46	25	12,500	(N)	29,800	18,900	1958-59	27,700	2,100	2.
3	AUBURN	0.19	1954-55	16	45,100	(N)	47,600	105,900	1961-62	38,700	8,800	3.
4	BAILEY	0.60	1945-46	25	158,100	6,200	110,100	53,200	1968-69	66,900	38,100	4.
5	BELL	7.00	1967-68	3	28,000	3,400	30,500	3,500	1968-69	24,000	6,600	5.
6	BIG DALTON	2.62	1959-60	11	616,900	8,300	617,300	113,200	1968-69	595,400	25,700	6.
7	BLANCHARD *	0.50 *	1968-69	2	71,300	100	16,000	31,800	1968-69	0	16,000	7.
8	BLUE GUM	0.19	1968-69	2	44,100	(N)	3,300	17,400	1968-69	0	3,300	8.
9	BRADBURY	0.68	1954-55	16	77,500	8,000	167,300	103,300	1968-69	160,500	8,000	9.
10	BRAND	1.03	1935-36	35	208,200	(N)	147,100	45,000	1964-65	142,000	5,100	10.
11	CARTER	0.12	1954-55	16	22,000	(N)	20,000	93,000	1961-62	19,200	400	11.
12	CHILDS	0.31	1963-64	7	54,000	100	22,100	26,600	1964-65	12,200	7,600	12.
13	COOKS *	0.58 *	1951-52	19	47,500	700	52,000	35,600	1951-52	49,500	2,100	13.
14	DEER	0.59	1954-55	16	66,400	(N)	111,700	74,900	1968-69	108,100	3,400	14.
15	DUNSMUIR *	0.84 *	1935-36	35	124,500	1,100	192,900	70,000 E	1937-38	178,300	7,500	15.
16	EAGLE *	0.61 *	1936-37	34	72,400	100	137,100	68,000	1937-38	132,500	4,700	16.
17	ELMWOOD	0.31	1964-65	6	66,300	(N)	22,000	22,000	1964-65	15,900	6,200	17.
18	EMERALD EAST	0.16	1964-65	6	14,500	(N)	2,400	10,000	1968-69	0	2,400	18.
19	ENGLEWILD	0.40	1961-62	9	46,000	5,500	70,600 (2)	150,500 (2)	1968-69	62,200	5,500	19.
20	FAIR OAKS	0.21	1935-36	35	28,500	900	104,100	74,800	1935-36	102,800	1,400	20.
21	FERN	0.30	1935-36	35	34,000	2,000	139,900	79,600	1968-69	126,900	2,800	21.
22	GOLF CLUB DRIVE	0.32	1970-71	0	15,600	(1)	(1)	(1)	(1)	(1)	(1)	22.
23	GOULD	0.47	1947-48	23	53,900	200	87,700	38,300	1965-66	85,300	2,300	23.
24	HAINES	1.53	1935-36	35	158,600	(N)	172,900	33,700 E.	1937-38	96,300	76,600	24.
25	HALLS *	1.06 *	1935-36	35	93,500	(N)	417,700	96,300	1937-38	415,400	0	25.
26	HARROW	0.43	1958-59	12	88,500	2,400	68,500 (2)	147,400 (2)	1968-69	63,000	5,300	26.
27	HAY	0.20	1936-37	34	39,800	(N)	54,100	63,000 E	1937-38	51,700	2,400	27.
28	HILLCREST	0.35	1962-63	8	71,700	800	34,500	33,300	1964-65	20,300	14,200	28.
29	HOG	0.30	1969-70	1	48,100	(N)	(N)	(N)	1969-70	0	(N)	29.
30	HOOK EAST	0.18	1967-68	2	29,000	1,000	41,200 E. (2)	223,100 E. (2)	1968-69	39,300	1,800	30.
31	HOOK WEST	0.17	1970-71	0	45,700	(1)	(1)	(1)	(1)	(1)	(1)	31.
32	KINNELOA	0.20	1964-65	6	78,400	500	35,100 (2)	88,100 (2)	1968-69	31,600	1,100	32.
33	KINNELOA - WEST	0.16	1966-67	4	28,400	1,300	31,700 (2)	138,500 (2)	1968-69	28,900	2,800	33.
34	LANNAN	0.25	1954-55	16	56,500	18,200	42,700	73,000	1969-70	29,400	5,800	34.
35	LAS FLORES	0.45	1935-36	35	63,600	(N)	157,900	80,000 E.	1937-38	159,800	0	35.
36	LA TUNA	5.34	1955-56	15	518,400	(N)	174,300	12,600	1968-69	74,500	98,500	36.
37	LIMEKILN	3.69	1963-64	7	198,200	(N)	106,400 (2)	11,500	1965-66	134,000	0	37.
38	LINCOLN	0.50	1935-36	35	42,000	600	112,200 (2)	55,800 (2)	1968-69	112,500	4,600	38.
39	LITTLE DALTON	3.31	1959-60	11	733,500	22,200	717,900	102,100	1968-69	682,100	35,400	39.
40	MADDOCK	0.25	1954-55	16	32,600	(N)	31,200	43,800	1968-69	31,000	200	40.
41	MAY NO. 1	0.70	1953-54	17	78,300	8,900	143,800 (2)	91,900	1966-67	137,100	8,900	41.
42	MAY NO. 2	0.09	1953-54	17	15,500	400	14,300	68,600	1966-67	24,600	2,100	42.
43	MC CLURE	0.62	1953-54	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	43.
44	MORGAN	0.60	1964-65	6	49,000	(N)	13,600	21,600	1968-69	14,200	0	44.
45	NICHOLS	0.94	1937-38	33	32,200	3,000	97,900	23,200	1951-52	91,600	6,300	45.
46	PICKENS *	1.84 *	1935-36	35	118,400	(N)	455,900	66,400	1937-38	452,400	4,200	46.
47	ROWLEY	0.58	1953-54	17	43,300	(N)	24,700	19,600	1968-69	23,700	1,000	47.
48	RUBIO	1.26	1943-44	27	152,300	900	109,300	43,700	1968-69	104,400	4,800	48.
49	RUBY	0.28	1955-56	15	32,400	600	15,400	29,700	1968-69	15,000	600	49.
50	SANTA ANITA	1.70	1959-60	11	478,600	31,300	483,300 (2,3)	77,600	1961-62	431,300	52,000	50.
51	SAWPIT	2.84	1954-55	16	740,800	2,600	507,000 (2,4)	82,300 (2)	1968-69	494,400	12,700	51.
52	SCHOLL	0.66	1945-46	25	31,000	(N)	13,400	5,200	1968-69	13,400	0	52.
53	SCHOOLHOUSE	0.28	1962-63	8	78,600	(N)	29,400	77,200	1962-63	21,000	8,400	53.
54	SHIELDS *	0.27 *	1937-38	33	47,200	400	100,200	130,200	1937-38	89,200	11,000	54.
55	SIERRA MADRE	2.39	1927-28	43	156,700	16,000 (5)	297,100 (2,3)	39,800 (2,3)	1968-69	286,000	16,000	55.
56	SIERRA MADRE VILLA	1.46 (6)	1957-58	13	490,900	(N)	325,900	81,200	1961-62	338,000	1,100	56.
57	SNOVER *	0.23 *	1936-37	34	37,900	(N)	71,600	91,700	1938-39	64,900	6,700	57.
58	SOMBRERO	1.06	1969-70	1	97,100	(N)	(N)	(N)	1969-70	0	(N)	58.
59	SPINKS	0.44	1958-59	12	64,600	(N)	40,700	37,200	1968-69	40,000	700	59.
60	STETSON	0.29	1969-70	1	48,100	1,200	1,200	4,100	1969-70	0	1,200	60.
61	STOUGH	1.65	1940-41	30	147,900	(N)	132,900	26,800	1964-65	113,300	19,600	61.
62	STURTEVANT	0.03	1967-69	3	2,300	100 *	400	11,200	1968-69	0	400	62.
63	SUNSET (LOWER)	0.65	1963-64	7	221,500	(N)	46,900	30,000	1964-65	35,300	43,200	63.
64	SUNSET (UPPER)	0.44	1928-29	42	17,700	3,700	78,500 (2)	61,400	1964-65	74,300	4,200	64.
65	TURNBULL	0.99	1952-53	18	27,300	(N)	34,400 (2)	16,000 (2)	1968-69	34,800	300	65.
66	VERDUGO	9.47 (7,8)	1935-36	35	151,100	2,300	508,000 (2)	6,800	1942-43	576,800	2,300	66.
67	WARD *	0.10 *	1956-57	14	14,400	(N)	19,100	51,900	1957-58	16,800	2,300	67.
68	WEST RAVINE	0.25	1935-36	35	51,900	600	134,300	119,500	1937-38	135,300	600	68.
69	WILBUR	5.86 (8)	1942-43	28	45,500	9,200	474,400 (2)	6,700	1965-66	469,100	9,200	69.
70	WILDWOOD	0.65	1967-68	3	23,400	1,200	19,200 (2)	24,600 (2)	1968-69	20,600	1,200	70.
71	WILSON	2.58	1962-63	8	363,000	2,900	157,200	21,544	1968-69	91,644	65,600	71.
72	WINERY	0.18	1968-69	2	32,500	(N)	9,400	52,200	1968-69	8,200	1,200	72.
73	ZACHAU	0.35	1956-57	14	36,700	(N)	12,700	36,000	1968-69	11,600	0	73.
	TOTALS	81.10			8,219,800	168,800	8,218,900			8,158,100	696,500	

* SEE FOOTNOTE (7) BELOW
E ESTIMATE
N NEGLIGIBLE

1. NEW DEBRIS BASINS.
2. VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS WHICH PASSED OVER SPILLWAY DURING THE STORMS IN 1968-1969 SEASON.
3. INCLUDES DEBRIS SLUICED FROM SANTA ANITA DAM.
4. INCLUDES DEBRIS SLUICED FROM SAWPIT DAM.
5. VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH.
6. APPROXIMATE DRAINAGE AREA INCLUDES MAJOR PORTION OF HASTINGS CANYON DRAINATE AREA.
7. EXCLUDES 6.03 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY *.
8. UNCONTROLLED DRAINAGE AREA IS BASED ON WEIGHTED AVERAGE OF THE VARIOUS AREA CHANGES RESULTING FROM DEBRIS BASIN CONSTRUCTION IN BRANCHES OF THE DRAINAGE OR OTHER CULTURAL CHANGES.
9. THIS DEBRIS BASIN TO BE REPLACED IN LATE 1970 BY TWO DEBRIS BASINS.

COMPUTED BY: H. NORQUIST
CHECKED BY: R. HAGEL

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DEBRIS PRODUCTION HISTORY
OF DEBRIS BASINS
INCLUDING 1970-71 SEASON

DEBRIS BASINS	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	FIRST DEBRIS SEASON	NUMBER OF SEASONS	MAX. DEBRIS CAPACITY CU. YDS.	1970-71 DEBRIS PRODUCTION CU. YDS.	TOTAL DEBRIS DEPOSITED CU. YDS.	MAX. SEASONAL DEBRIS PRODUCTION CU. YDS. PER SQ. MI.	SEASON	TOTAL DEBRIS REMOVED CU. YDS.	DEBRIS IN STORAGE CU. YDS.	
1. ALISO	2.77	1970-71	1	41,700 (9)	8,500	8,500	3,100	1970-71	6,300	2,200	1.
2. ALTADENA GOLF COURSE	0.20	1945-46	26	12,500	(N)	29,800	16,900	1958-59	27,700	2,100	2.
3. ARBOR DELL	0.12	1971-72	0	16,800	(1)	(1)	(1)	(1)	(1)	(1)	3.
4. AUBURN	0.19	1954-55	17	45,100	(N)	47,600	105,900	1961-62	38,700	8,400	4.
5. BAILEY	0.60	1945-46	26	158,100	(N)	105,500	53,200	1968-69	72,400	33,100	5.
6. BEATTY	0.20	1970-71	1	54,700	(N)	(N)	(N)	1970-71	0	(N)	6.
7. BELL	7.00	1967-68	4	21,200	10,800	33,600	3,500	1968-69	25,600	8,000	7.
8. BIG DALTON	2.62	1959-60	12	616,900	(N)	621,100	113,200	1968-69	595,400	25,700	8.
9. BLANCHARD *	0.50 *	1968-69	3	71,300	500	16,500	31,800	1968-69	0	16,500	9.
10. BLUE GUM	0.19	1968-69	3	44,100	(N)	3,300	17,400	1968-69	0	3,300	10.
11. BRACE	0.29	1971-72	0	12,200	(1)	(1)	(1)	(1)	(1)	(1)	11.
12. BRADBURRY	0.68	1954-55	17	77,500	900	168,300	103,300	1968-69	159,400	8,900	12.
13. BRAND	1.03	1935-36	36	208,200	(N)	147,100	45,000	1964-65	142,000	5,100	13.
14. CARRIAGE HOUSE	0.03	1970-71	1	14,300	(N)	(N)	(N)	1970-71	0	(N)	14.
15. CARTER	0.12	1954-55	17	22,000	(N)	19,600	93,000	1961-62	19,200	400	15.
16. CHILDS	0.21	1963-64	18	54,000	(N)	22,100	26,600	1964-65	14,500	7,600	16.
17. COOKS *	0.58 *	1951-52	20	47,500	(N)	51,600	35,600	1951-52	49,500	2,100	17.
18. DEER	0.59	1954-55	17	86,700	2,100	114,800	74,900	1968-69	108,100	6,700	18.
19. DUNSMUIR	0.84 *	1935-36	36	124,500	(N)	185,800	70,000 E	1937-38	178,300	7,500	19.
20. EAGLE *	0.61 *	1936-37	35	72,400	(N)	137,100	68,000	1937-38	132,500	4,600	20.
21. ELMWOOD	0.31	1964-65	7	66,300	(N)	22,000	22,000	1964-65	15,800	6,200	21.
22. EMERALD EAST	0.16	1964-65	7	14,500	(N)	2,400	10,000	1968-69	0	2,400	22.
23. ENGLEWILD	0.40	1961-62	10	46,000	900	71,400 (2)	150,500 (2)	1968-69	62,200	5,500	23.
24. FAIR OAKS	0.21	1935-36	36	28,500	(N)	104,200	74,800	1935-36	102,800	1,400	24.
25. FERN	0.30	1935-36	36	34,000	1,900	141,800	79,600	1968-69	137,000	4,800	25.
26. GOLF CLUB DRIVE	0.32	1970-71	1	15,600	(N) (1)	(N) (1)	(N) (1)	1970-71	0	(N)	26.
27. GOULD	0.47	1947-48	24	53,900	3,300	90,900	38,300	1965-66	85,300	5,600	27.
28. HAINES	1.53	1935-36	36	158,600	(N)	172,900	33,700 E	1937-38	96,200	76,600	28.
29. HALLS *	1.06 *	1935-36	36	93,500	(N)	417,700	96,300	1937-38	417,700	0	29.
30. HARROW	0.43	1958-59	13	88,300	(N)	68,300 (2)	147,400 (2)	1968-69	63,000	5,300	30.
31. HAVEN WAY	0.22	1971-72	0	24,500 E	(1)	(1)	(1)	(1)	(1)	(1)	31.
32. HAY	0.20	1936-37	35	39,800	(N)	54,100	63,000 E	1937-38	51,700	2,400	32.
33. HILLCREST	0.35	1962-63	9	71,700	(N)	34,500	33,300	1964-65	20,300	14,200	33.
34. HOG	0.30	1969-70	2	48,100	(N)	(N)	(N)	1969-70	0	(N)	34.
35. HOOK EAST	0.18	1968-69	3	29,000	(N)	41,200 E. (2)	223,100 E. (2)	1968-69	39,300	1,900	35.
36. HOOK WEST	0.17	1970-71	1	45,700	(N)	(N)	(N)	1970-71	0	(N)	36.
37. KINNELOA	0.20	1964-65	7	18,400	600	33,500 (2)	88,100 (2)	1968-69	32,800	700	37.
38. KINNELOA - WEST	0.16	1966-67	5	28,400	1,000	32,700 (2)	138,500 (2)	1968-69	31,700	1,000	38.
39. LANNAN	0.25	1954-55	17	56,500	15,000	56,000	30,260	1954-55	56,000	0	39.
40. LAS FLORES	0.45	1935-36	36	63,600	(N)	157,900	80,000 E.	1937-38	157,900	0	40.
41. LA TUNA	5.34	1935-36	16	318,400	(N)	173,000	12,600	1968-69	90,400	82,600	41.
42. LIMEKILN	3.69	1963-64	8	198,200	23,100	129,500 (2)	11,500	1965-66	134,000	0	42.
43. LINCOLN	0.50	1935-36	36	42,000	1,300	117,200 (2)	56,800	1968-69	111,400	5,800	43.
44. LITTLE DALTON	3.31	1959-60	12	733,500	(N)	717,600	102,100	1968-69	682,100	35,500	44.
45. MADDOCK	0.25	1954-55	17	32,600	(N)	31,200	43,800	1968-69	31,000	200	45.
46. MAY NO. 1	0.70	1953-54	18	78,500	(N)	146,000 (2)	91,900	1966-67	137,100	8,900	46.
47. MAY NO. 2	0.09	1953-54	18	15,500	(N)	17,900	68,600	1966-67	15,800	2,100	47.
48. MORGAN	0.60	1964-65	7	49,000	(N)	13,600	21,600	1968-69	13,600	0	48.
49. NICHOLS	0.94	1937-38	34	32,200	(N)	97,900	23,200	1951-52	91,600	6,300	49.
50. PICKENS *	1.84 *	1935-36	36	118,400	8,100	464,700	66,400	1937-38	452,400	12,300	50.
51. ROWLEY *	0.58	1953-54	18	43,300	2,200	26,800	19,200	1968-69	23,700	3,100	51.
52. RUBIO	1.26	1943-44	28	152,300	(N)	109,300	43,700	1968-69	104,400	4,900	52.
53. RUBY	0.28	1955-56	16	32,400	(N)	15,400	29,700	1968-69	14,800	600	53.
54. SANTA ANITA	1.70	1959-60	12	478,600	(N)	483,300 (2, 3)	77,600	1961-62	475,000	8,300	54.
55. SAWPIT	2.84	1954-55	17	740,800	(N)	507,000 (2, 4)	82,300 (2)	1968-69	494,400	12,600	55.
56. SCHOLL	0.66	1945-46	26	31,000	(N)	13,400	5,200	1968-69	13,400	0	56.
57. SCHOOLHOUSE	0.28	1962-63	9	78,600	(N)	29,400	77,200	1962-63	28,600	2,600	57.
58. SHIELDS *	0.27 *	1937-38	34	87,200	(N)	100,200	130,200	1937-38	89,200	11,000	58.
59. SIERRA MADRE	2.39	1927-28	44	156,700	(N) (5)	297,200 (2, 5)	39,800 (2, 5)	1968-69	281,100	16,100	59.
60. SIERRA MADRE VILLA	1.46 (6)	1957-58	14	490,900	(N)	339,100	81,200	1961-62	338,000	1,100	60.
61. SNOVER *	0.23 *	1936-37	35	37,900	(N)	71,600	91,700	1938-39	64,900	6,700	61.
62. SOMBRERO	1.06	1969-70	2	97,100	(N)	(N)	(N)	1969-70	0	(N)	62.
63. SPINKS	0.44	1956-59	13	64,600	300	41,100	37,200	1968-69	40,000	1,100	63.
64. STETSON	0.29	1969-70	2	48,100	(N)	1,200	4,100	1969-70	0	1,200	64.
65. STOUGH	1.65	1940-41	31	147,900	(N)	132,900	26,800	1964-65	113,200	19,600	65.
66. STURTEVANT	0.03	1967-68	4	2,300	(N)	400	11,200	1968-69	0	400	66.
67. SULLIVAN	2.28	1970-71	1	62,900	(N)	(N)	(N)	1970-71	0	(N)	67.
68. SUNNYSIDE	0.02	1970-71	1	4,300	(N)	(N)	(N)	1970-71	0	(N)	68.
69. SUNSET (LOWER)	0.85	1963-64	8	221,500	1,800	64,400	30,000	1964-65	19,500	44,900	69.
70. SUNSET (UPPER)	0.44	1928-29	43	17,700	(N)	78,500 (2)	61,400	1964-65	78,600	1,700	70.
71. TURNBULL	0.99	1952-53	19	27,300	(N)	34,400 (2)	16,000 (2)	1968-69	34,200	200	71.
72. VERDUGO	9.97 (7, 8)	1935-36	36	151,100	7,300	615,200 (2)	6,800	1942-43	605,600	9,600	72.
73. WARD *	0.10 *	1956-57	15	14,400	1,100	20,200	51,900	1957-58	16,800	3,400	73.
74. WEST RAVINE	0.25	1935-36	36	51,900	800	135,200	119,500	1937-38	133,800	1,400	74.
75. WILBUR	5.86 (8)	1942-43	29	45,500	(N)	474,400 (2)	6,700	1965-66	465,200	9,200	75.
76. WILDWOOD	0.85	1967-68	4	23,400	4,800	24,100 (2)	24,600 (2)	1968-69	18,100	6,000	76.
77. WILSON	2.58	1962-63	9	363,000	99	157,200	21,500	1968-69	91,600	65,600	77.
78. WINERY	0.18	1968-69	3	32,500	(N)	9,400	52,200	1968-69	8,200	1,200	78.
79. ZACHAU	0.35	1956-57	15	36,700	(N)	12,200	29,400	1968-69	12,300	0	79.
TOTALS	84.12			8,326,300	97,300	8,916,000			8,237,300	681,000	

* SEE FOOTNOTE (7) BELOW
T ESTIMATE
N NEGLIGIBLE

(1) NEW DEBRIS BASINS
(2) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS WHICH PASSED OVER SPILLWAY DURING THE STORMS IN 1968-1969 SEASON
(3) INCLUDES DEBRIS FROM SANTA ANITA DAM
(4) INCLUDES DEBRIS SLUICED FROM SAWPIT DAM
(5) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH

(6) APPROXIMATE DRAINAGE AREA INCLUDES MAJOR PORTION OF HASTINGS CANYON DRAINAGE AREA
(7) EXCLUDES 6.03 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY *
(8) UNCONTROLLED DRAINAGE AREA IS BASED ON WEIGHTED AVERAGE OF THE VARIOUS AREA CHANGES RESULTING FROM DEBRIS BASIN CONSTRUCTION IN BRANCHES OF THE DRAINAGE OR OTHER CULTURAL CHANGES
(9) DEBRIS CAPACITY AVAILABLE WITHIN RIGHT OF WAY LIMITS

COMPILED BY: R. NORDUZI
COMPUTED BY: R. W. WOOD
CHECKED BY: H. A. PETERSEN
G. H. CARLTON

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
DEBRIS PRODUCTION HISTORY
OF DEBRIS BASINS
INCLUDING 1971-72 SEASON

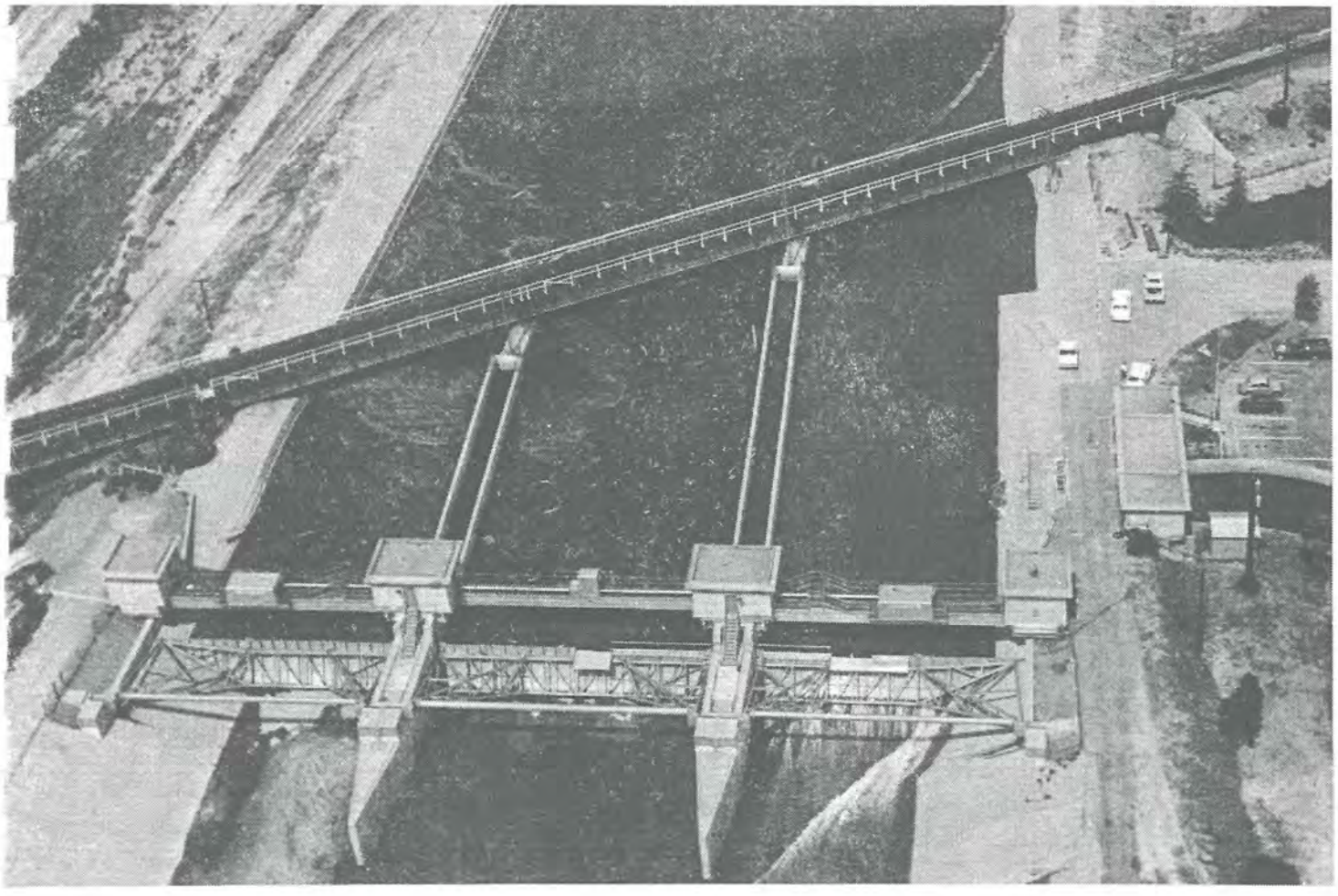
DEBRIS BASINS	UNCONTROLLED DRAINAGE AREA ABOVE BASIN SQ. MI.	FIRST DEBRIS SEASON	NUMBER OF SEASONS	MAX. DEBRIS CAPACITY CU. YDS.	1971-72 DEBRIS PRODUCTION CU. YDS.	TOTAL DEBRIS DEPOSITED CU. YDS.	MAX. SEASONAL DEBRIS PRODUCTION CU. YDS. PER SQ. MI.	SEASON	TOTAL DEBRIS REMOVED CU. YDS.	DEBRIS IN STORAGE CU. YDS.	
1. ALISO	2.77	1970-71	2	41,700 (9)	(N)	8,500	3,100	1970-71	6,200	2,300	1.
2. ALTADENA GOLF COURSE	0.20	1945-46	27	12,500	(N)	29,000	18,900	1958-59	28,800	200	2.
3. ARBOR DELL	0.12	1971-72	1	16,800	(N)	(N)	(N)	1971-72	0	(N)	3.
4. AUBURN	0.19	1954-55	18	46,800	(N)	47,600	105,900	1961-62	47,600	0	4.
5. BAILEY	0.60	1945-46	27	158,100	(N)	105,500	53,200	1968-69	105,200	300	5.
6. BEATTY	0.27	1970-71	2	54,700	(N)	(N)	(N)	1970-71	0	(N)	6.
7. BELL	7.00	1967-68	5	21,200	(N)	33,600	3,500	1968-69	25,600	8,100	7.
8. BIG DALTON	2.62	1959-60	13	616,900	7,600	628,700	113,200	1968-69	595,400	33,300	8.
9. BLANCHARD *	0.50 *	1968-69	4	71,300	(N)	16,500	31,800	1968-69	14,000	2,500	9.
10. BLUEGUM	0.19	1968-69	4	44,100	(N)	3,300	17,400	1968-69	0	3,300	10.
11. BRACE	0.29	1971-72	1	12,200	(N)	(N)	(N)	1971-72	0	(N)	11.
12. BRADBURY	0.68	1954-55	18	77,500	(N)	168,300	103,300	1968-69	159,400	8,900	12.
13. BRAND	1.03	1935-36	37	208,200	(N)	147,100	45,000	1964-65	142,000	5,100	13.
14. CARRIAGE HOUSE	0.03	1970-71	2	14,300	(N)	(N)	(N)	1970-71	0	(N)	14.
15. CARTER	0.12	1954-55	18	22,000	(N)	19,600	93,000	1961-62	19,200	400	15.
16. CHILDS	0.31	1963-64	9	54,000	(N)	22,100	26,600	1964-65	14,500	7,600	16.
17. CLOUD *	0.02 *	1972-73	0	16,500	(1)	(1)	(1)	(1)	(1)	(1)	17.
18. COOKS *	0.58 *	1951-52	21	47,500	(N)	51,600	35,600	1951-52	49,500	2,100	18.
19. DEER	0.59	1954-55	18	66,700	(N)	114,800	74,900	1968-69	108,100	6,800	19.
20. DUNSMUIR *	0.84 *	1935-36	37	124,500	(N)	185,800	70,000 E	1937-38	178,300	7,500	20.
21. EAGLE *	0.61 *	1936-37	36	72,400	(N)	137,100	68,000	1937-38	132,500	4,700	21.
22. ELMWOOD	0.31	1964-65	8	66,300	(N)	22,000	22,000	1964-65	15,800	6,200	22.
23. EMERALD EAST	0.16	1964-65	8	14,500	(N)	2,400	10,000	1968-69	0	2,400	23.
24. ENGLEWILD	0.40	1961-62	11	46,000	(N)	71,400 (2)	150,500 (2)	1968-69	65,000	6,400	24.
25. FAIR OAKS	0.21	1935-36	37	28,500	(N)	104,200	74,800	1935-36	102,800	1,400	25.
26. FERN	0.30	1935-36	37	34,000	(N)	141,800	79,600	1968-69	137,100	4,800	26.
27. GOLF CLUB DRIVE	0.32	1970-71	2	15,600	(N)	(N)	(N)	1970-71	0	(N)	27.
28. GOULD	0.47	1947-48	25	53,900	(N)	89,500	38,300	1965-66	85,300	4,200	28.
29. HAINES	1.53	1935-36	37	158,600	(N)	172,900	33,700 E	1937-38	96,300	76,600	29.
30. HALLS *	1.06 *	1935-36	37	93,500	7,300	425,000	96,300	1937-38	417,700	7,400	30.
31. HARROW	0.43	1958-59	14	88,300	(N)	68,300 (2)	147,400 (2)	1968-69	63,000	5,300	31.
32. HAVEN WAY	0.22	1971-72	1	14,600	(N)	(N)	(N)	1971-72	0	(N)	32.
33. HAY	0.20	1936-37	36	39,800	(N)	54,100	63,000 E	1937-38	51,700	2,400	33.
34. HILLCREST	0.35	1962-63	10	71,700	(N)	34,500	33,300	1964-65	20,300	14,200	34.
35. HOG	0.30	1969-70	3	48,100	(N)	(N)	(N)	1969-70	0	(N)	35.
36. HOOK EAST	0.18	1968-69	4	39,000	(N)	41,200 E (2)	223,100 E (2)	1968-69	39,300	1,800	36.
37. HOOK WEST	0.17	1970-71	2	45,700	(N)	(N)	(N)	1970-71	0	(N)	37.
38. KINNELOA	0.20	1964-65	8	18,400	(N)	33,500 (2)	88,100 (2)	1968-69	32,800	700	38.
39. KINNELOA - WEST	0.16	1968-69	6	28,400	(N)	32,700 (2)	138,500 (2)	1968-69	31,700	900	39.
40. LANNAN	0.25	1954-55	18	56,500	(N)	56,000	30,260	1954-55	56,000	0	40.
41. LAS FLORES	0.45	1935-36	37	63,600	(N)	157,900	80,000 E	1937-38	157,900	0	41.
42. LA TUNA	5.34	1955-56	17	518,400	(N)	173,100	12,600	1968-69	90,400	82,700	42.
43. LIMEKILN	3.69	1963-64	9	198,200	(N)	129,500 (2)	11,500	1965-66	106,400	23,100	43.
44. LINCOLN	0.50	1935-36	37	42,000	(N)	117,200 (2)	56,800	1968-69	111,400	5,900	44.
45. LITTLE DALTON	3.31	1959-60	13	733,500	(N)	717,600	102,100	1968-69	682,100	35,400	45.
46. MADDOCK	0.25	1954-55	18	32,600	(N)	31,200	43,800	1968-69	31,000	200	46.
47. MAY NO. 1	0.70	1953-54	19	78,500	(N)	146,000 (2)	91,900	1966-67	137,100	8,900	47.
48. MAY NO. 2	0.09	1953-54	19	15,500	(N)	17,900	68,600	1966-67	15,800	2,100	48.
49. MORGAN	0.60	1964-65	8	49,000	(N)	13,600	21,600	1968-69	13,600	0	49.
50. NICHOLS	0.94	1937-38	35	32,200	(N)	97,900	23,200	1951-52	91,600	6,300	50.
51. PICKENS *	1.84 *	1935-36	37	118,400	(N)	464,700	66,400	1937-38	453,000	11,700	51.
52. ROWLEY	0.58	1953-54	19	43,300	(N)	26,800	19,600	1968-69	23,700	3,100	52.
53. RUBIO	1.26	1943-44	29	132,300	(N)	109,300	43,700	1968-69	104,400	4,800	53.
54. RUBY (LOWER)	0.28	1955-56	17	32,400	(N)	15,400	29,700	1968-69	14,800	600	54.
55. SANTA ANITA	1.70	1959-60	13	478,600	43,700	527,000 (2, 3)	77,600	1961-62	475,000	52,000	55.
56. SAWPIT	2.84	1954-55	18	740,800	(N)	507,000 (2, 4)	82,300 (2)	1968-69	494,400	12,700	56.
57. SCHOLL	0.66	1945-46	27	13,700	(N)	13,400	5,200	1968-69	13,400	0	57.
58. SCHOOLHOUSE	0.28	1962-63	10	78,600	(N)	29,400	77,200	1962-63	26,800	2,600	58.
59. SHIELDS *	0.27 *	1937-38	35	47,200	(N)	100,200	130,200	1937-38	89,200	11,000	59.
60. SIERRA MADRE	2.39	1927-28	45	156,700	(N) (5)	297,200 (2, 5)	39,800 (2, 5)	1968-69	281,100	16,000	60.
61. SIERRA MADRE VILLA	1.46 (6)	1957-58	15	490,900	(N)	339,100	81,200	1961-62	338,000	1,100	61.
62. SHOVER *	0.23 *	1936-37	36	37,900	(N)	71,600	91,700	1938-39	64,900	6,700	62.
63. SOMBRERO	1.06	1969-70	3	97,100	(N)	(N)	(N)	1969-70	0	(N)	63.
64. SPINKS	0.44	1958-59	14	64,600	(N)	41,100	37,200	1968-69	40,000	1,000	64.
65. STETSON	0.29	1969-70	3	48,100	(N)	1,200	4,100	1969-70	0	1,200	65.
66. STOUGH	1.65	1940-41	32	147,900	(N)	132,900	26,800	1964-65	113,300	19,600	66.
67. STURTEVANT	0.03	1967-68	5	2,300	(N)	400	11,200	1968-69	300	0	67.
68. SULLIVAN	2.38	1970-71	2	62,900	(N)	(N)	(N)	1970-71	0	(N)	68.
69. SUNNYSIDE	0.02	1970-71	2	4,400	(N)	(N)	(N)	1970-71	0	(N)	69.
70. SUNSET (LOWER)	0.65	1963-64	9	221,500	(N)	64,400	30,000	1964-65	19,500	44,900	70.
71. SUNSET (UPPER)	0.64	1928-29	44	17,700	(N)	78,500 (2)	61,400	1964-65	76,800	1,700	71.
72. TURNBULL	0.99	1952-53	20	27,300	(N)	34,400 (2)	16,000 (2)	1968-69	34,200	300	72.
73. VERDUGO	9.97 (7, 8)	1935-36	37	151,100	(N)	615,200 (2)	6,800	1942-43	605,600	9,600	73.
74. WARD *	0.10 *	1956-57	16	14,400	(N)	20,200	51,900	1957-58	16,800	3,400	74.
75. WEST RAVINE	0.25	1935-36	37	51,900	(N)	135,200	119,500	1937-38	133,800	1,400	75.
76. WILBUR	5.86 (8)	1942-43	30	45,500	(N)	474,400 (2)	6,700	1965-66	465,200	9,200	76.
77. WILDWOOD	0.65	1967-68	5	23,400	200	24,300 (2)	24,600 (2)	1968-69	18,100	6,200	77.
78. WILSON	2.58	1962-63	10	363,000	(N)	157,200	21,500	1968-69	101,800	55,500	78.
79. WINERY	0.18	1968-69	4	32,500	(N)	9,400	52,200	1968-69	8,200	1,200	79.
80. ZACHAU	0.35	1956-57	16	36,700	(N)	12,300	29,400	1968-69	12,300	0	80.
TOTALS	84.33			8,317,900	58,800	8,972,700			8,303,000	669,900	

* SEE FOOTNOTE (7) BELOW
E ESTIMATE
(N) NEGLIGIBLE

(1) NEW DEBRIS BASINS
(2) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS WHICH PASSED OVER SPILLWAY DURING THE STORMS IN 1968-69 SEASON
(3) INCLUDES DEBRIS FROM SANTA ANITA DAM
(4) INCLUDES DEBRIS SLUICED FROM SAWPIT DAM
(5) VOLUME OF DEBRIS DEPOSITED IN BASIN DOES NOT INCLUDE DEBRIS SLUICED THROUGH OPEN PORTS OR NOTCH
(6) APPROXIMATE DRAINAGE AREA INCLUDES MAJOR PORTION OF HASTINGS CANYON DRAINAGE AREA
(7) EXCLUDES 6.03 SQUARE MILES OF DRAINAGE AREA CONTROLLED BY DEBRIS BASINS DESIGNATED BY *
(8) UNCONTROLLED DRAINAGE AREA IS BASED ON WEIGHTED AVERAGE OF THE VARIOUS AREA CHANGES RESULTING FROM DEBRIS BASIN CONSTRUCTION IN BRANCHES OF THE DRAINAGE OR OTHER CULTURAL CHANGES
(9) DEBRIS CAPACITY AVAILABLE WITHIN RIGHT OF WAY LIMITS

COMPILED BY: H. NOROUZI
COMPUTED BY: D. SHEPHERD - N. REECE
CHECKED BY: R. A. PETERSEN

WATER CONSERVATION



FORWARD

Information presented in this section includes amounts of local, imported, and reclaimed water conserved in spreading grounds and basins, reservoirs, and channels, and also information on the barrier projects which prevent seawater intrusion in the coastal area. Pertinent data are presented regarding the locations and descriptions of District conservation facilities, as well as facilities owned by others. Also included are ground water maps delineating elevations recorded during the triennial report period and hydrographs of selected key wells.

The various types of water conserved-namely, local, imported, and reclaimed are construed to have the following meaning in this section: Local water is that derived from runoff due to rainfall on the mountain and valley watersheds within or tributary to the District. Imported water is obtained from sources outside the District and not tributary to the District. Reclaimed water is the effluent produced by the water reclamation plant located in the Whittier Narrows Basin and operated by the Los Angeles County Sanitation Districts.

The rainfall during the triennial period was below normal for all three years and the local water conserved during the water years of 1969-70, 1970-71, and 1971-72 was 130,626 acre-feet, 113,716 acre-feet, and 47,609 acre-feet, respectively. Although the rainfall for the 1969-70 season was only 56 per cent of normal, the large amounts of water conserved were mainly due to residual flows from the watershed resulting from the previous wet season of 1968-69.

SPREADING GROUNDS

The total gross acreage of spreading grounds owned and operated by the District during this triennial report period amounted to 2,235 acres. The District also assisted in the operation and maintenance of 679 acres of spreading grounds owned by others. An additional 246 acres of spreading grounds are controlled, maintained, and operated by other agencies. The total gross acreage of spreading grounds in the County is 3,160 acres with a combined infiltration capacity of more than 2,350 cfs.

During the report period the District assumed the operation of San Gabriel Canyon Spreading Grounds. The grounds, which contain some 196 gross acres near the mouth of San Gabriel Canyon, were previously owned and operated by the San Gabriel River Spreading Corporation. Further development of this area including the excavation of two pits up to 200 feet deep will begin during 1974.

Peck Road Spreading Basin development was completed in 1971 and now has a storage capacity of over 5,000 acre-feet.

Santa Fe Spreading Ground has been redeveloped and enlarged after construction of the 605 Freeway eliminated a portion of the originally developed grounds. New basins were constructed in the spillway area of the reservoir.

The District is cooperating with the City of Pasadena Master Planning Committee in activities aimed toward the ultimate development of Arroyo Seco Spreading Grounds and Devil's Gate Reservoir.

A cutoff wall was constructed upstream of the fabric diversion dam, at San Gabriel Coastal Basin Spreading Grounds to correct erosion problems created during 1969 storm flows. Basin 1 was modified to increase detention time of chemically treated silt-laden storm waters. The Los Angeles County Sanitation District constructed a diversion pipeline from its outfall line to allow delivery of reclaimed water from the San Jose Treatment Plant to the San Gabriel Coastal Basin Spreading Grounds.

A concrete diversion structure was constructed between the San Gabriel River and the Zone 1 Ditch. Modification and restoration work on the Zone 1 Ditch were completed increasing the diversion capacity of imported water between the San Gabriel River and Rio Hondo.

Excavation being done under contract at Whittier Narrows Reservoir, 1,000 acre-foot Conservation Pool was completed.

IMPORTED WATER

During this triennial period, imported Colorado River water for spreading was obtained from the Metropolitan Water District. This water was purchased with funds provided by Zone 1 (until termination of the Zone June 30, 1972). The Central and West basin Water Replenishment District, and the Upper San Gabriel Valley Municipal Water District.

Imported water for the Coastal Plain, purchased with funds from Zone 1 and the Central and West Basin Water Replenishment District, was spread in the District's facilities in the Rio Hondo and San Gabriel River systems south of Whittier Narrows Dam.

Imported water for the San Gabriel Valley Ground Water Basin, purchased by the Upper San Gabriel Valley Municipal Water District, was spread in the San Gabriel River north of Valley Boulevard.

A summary of imported water conserved is shown in on page 334.

RECLAIMED WATER

The County Sanitation District's Whittier Narrows Water Reclamation Plant, in operation since 1962, produced from 12 to 18 mgd of high quality activated sludge effluent during the triennial period. The effluent is purchased by the Central and West Basin

Water Replenishment District and transported to the Rio Hondo and San Gabriel River systems for ground water replenishment.

The County Sanitation District's newly constructed San Jose Water Reclamation Plant was activated in May 1972. The effluent was not used for ground water replenishment during this report period due to an extended testing, sampling, and adjusting period.

Reclaimed water comprised about 26 per cent of the total purchased water spread in the Montebello Forebay between October 1, 1969 and September 30, 1972.

A summary of reclaimed water conserved is shown on page 334.

BARRIER PROJECTS

The West Coast Basin Barrier Project, just inland of the Santa Monica Bay coastline, is preventing the intrusion of seawater into the underground water-bearing strata by the injection of fresh water to form a pressure barrier. The project is essentially complete. Since the project's inception in 1953 as a test program, the barrier has been expanded from a one-mile reach to about nine miles covering the area from the Los Angeles International Airport to the base of the Palos Verdes Hills. An average of 41 cubic feet per second of filtered Colorado River water was injected along the barrier project during the triennial period, and this ratio is nearly 12 cubic feet per second less than the previous six-year average injection rate. Past experience has evolved a more efficient operation procedure and a less injection rate is now needed to maintain the pressure barrier.

Operation of the Dominguez Gap Barrier Project began during this report period. This project is designed to prevent seawater intrusion from the San Pedro Bay into the West Coast Basin through the the Dominguez Gap area. Since injection operations were initiated in February of 1971, a total of 9,370 acre-feet of filtered Colorado River water were injected by the end of the triennial period.

Construction of the initially planned facilities for the Alamitos Barrier Project was completed during this report period. The project now consists of 18 injection wells to form a freshwater pressure ridge and 4 extraction wells to form a trough which breaks the landward gradient of intruding seawater. These facilities are designed to protect the ground water supplies of the Central Basin of Los Angeles County and the Eastern Coastal Plain Basin of Orange County from intrusion of seawater through the Alamitos Gap area. The need for additional facilities continued to be evaluated during this period.

EXPLORATION AND OBSERVATION WELLS

During this triennial report period, approximately 91 wells were drilled for monitoring ground water levels and obtaining geologic data for use in planning and operating various District Water Conservation projects. These wells were drilled by the District and and other cooperating agencies and preserved by the District for future use.

SEASONAL DATA AND MAPS

During this triennial period, about 78,500 ground water measurements were obtained from approximately 3,400 wells. Hydrographs for selected key wells are included in this report.

Rainfall average over Los Angeles County was below normal during this triennial report period. As a result, ground water levels throughout most of the County either remained nearly stable or lowered during this triennial report period. Historic low ground water elevations were observed in that portion of Chino Basin within Los Angeles County, in the Lancaster Basin in Antelope Valley, and in the central portion of the main San Fernando Basin. Historic high elevations occurred in the Glendora and Live Oak Basins.

GROUND WATER BASINS

Ground water basins in Los Angeles County are grouped under five local watersheds; namely, San Fernando Valley, San Gabriel Valley, Coastal Plain, Santa Clara River Valley, and Antelope Valley. Reference is made to Maps Numbers 338 through 343 for basin locations. The comparison made in the paragraph below relates the mean conditions of the three-year period with the mean conditions of this preceeding two-year report period.

SAN FERNANDO VALLEY

Ground water levels have remained stable in the western third of the main San Fernando Valley Basin, while in the central third the levels have lowered one foot with the historic low occurring in November 1969. In the eastern third of the main San Fernando Basin, the levels have risen 11 feet. The sub-basins, Tujunga, Verdugo, and Pacoima have remained stable, while Sylmar Basin has increased 5 feet and Glenoaks Basin has lowered 3 feet.

SAN GABRIEL VALLEY

The main basin levels lowered during this triennial report period from 13 feet to 19 feet. Also lower by the distance shown were Upper San Gabriel (-12 feet), Chino (-16 feet) with a historic low recorded in October 1971, Upper Claremont Heights (-45 feet), Lower Claremont Heights (-37 feet), Foothill (-7 feet), and Monk Hill (-17 feet). Sub-basins that had an increase in levels by the amounts shown were Lower San Gabriel (+3 feet), Live Oak (+53 feet), with a historic high recorded in March 1970, Pomona (+34 feet), Way Hill (+4 feet), San Dimas (+7 feet), and Raymond (+4 feet). Puente Basin remained stable while Glendora Basin had a net lowering of one foot but rose to a new historic high May 1970.

COASTAL PLAIN

The Coastal Plain area has remained fairly stable with levels dropping from 1 to 7 feet only in the Pico Rivera, Long Beach, and Seal Beach areas.

The West Coast Basin area has remained generally stable with an increase of 5 feet appearing in the Hawthorne area.

Due to the stable conditions of the Coastal Plain area, the spring ground water contour maps, both deep and shallow, have been discontinued beginning with the spring 1972 map.

SANTA CLARA RIVER VALLEY

Water levels have remained stable during the triennial report period, with the increase in the water table that resulted from the 1969 storm holding the water table approximately 20 feet higher than in the previous report period.

ANTELOPE VALLEY

The Lancaster basin has continued to fall during this triennial report period and is about 6 feet lower than the previous report period. Historic lows were reached in September 1970, in the central section of the basin, and in December 1971, in the easterly area.

No ground water maps for the Antelope Valley are drawn by the District. The maps drawn in the past were provided by the United States Geological Survey and the Department of Water Resources. None were provided for this report.

WATER QUALITY

District surface and ground water quality programs are conducted as part of the District's water conservation responsibilities. Dry season and storm season channel flows are monitored to trace sources of pollution, maintain a continuing record of water quality changes, and to determine the acceptability of surface water for spreading to replenish the ground water supply. Ground waters are monitored to maintain a continuing record of water quality, measure the effects of percolation of surface waters, the intrusion of seawater, and to trace ground water quality changes from various natural and man-made sources.

SURFACE WATER

The Surface Water Quality Program currently involves the sampling of dry weather flows at 30 locations on the Los Angeles River, San Gabriel River, Santa Clara River, Rio Hondo, Coyote Creek, Dominguez Channel, Ballona Creek, Centinela Creek, San Jose Creek, Topanga Canyon Channel, and Malibu Creek systems. These locations are sampled on a monthly frequency on sucessive working days. The samples are analyzed by the Water Quality laboratory for major minerals, mercury, total dissolved solids, total hardness, electrical conductivity, pH, dissolved oxygen, chemical oxygen demand, biochemical oxygen demand, coliform, fecal coliform, and enterococci.

In the Storm Water Quality Program, samples are currently taken each storm season during the major storms at 26 gaging stations and 7 spreading grounds throughout the County. The flow data is recorded at the time each sample is taken and the samples are

nalyzed by the Water Quality Section for electrical conductivity. In addition to the annual sampling, very five years a comprehensive sampling and analses of major storm flows is performed at 21 locations hroughout the County (the next five-year sampling ear will be 1972-73). The samples are analyzed by ie Water Quality Laboratory for major minerals, total issolved solids, electrical conductivity, suspended olids, pH, dissolved oxygen, biochemical oxygen emand, coliform, fecal coliform, enterococci, pesticides, and herbicides.

iROUND WATER

'he annual sampling of water wells in five major asins in Los Angeles County comprises the Ground 'ater Quality Program. The monitoring program is oordinated with the State of California Department f Water Resources and City of Los Angeles - Depart- ent of Water and Power with these agencies partici- ating in the sampling and analysis of a portion of ie total samples as presented:

	1971			
	FCD	DWR	DWP	TOTAL
Santa Clara River Valley	48	----	----	48
Antelope Valley	----	30	----	30
Coastal Plain	121	45	4	170
San Gabriel Valley	63	38	----	101
San Fernando Valley	29	----	27	56
	261	113	31	405

	1972			
	FCD	DWR	DWP	TOTAL
Santa Clara River Valley	57	----	----	57
Antelope Valley	----	45	----	45
Coastal Plain	153	53	4	210
San Gabriel Valley	70	35	----	105
San Fernando Valley	39	----	20	59
	319	133	24	476

The water wells sampled are principally used for municipal supply, irrigation, and industrial purposes. The samples are analyzed for major minerals, total dissolved solids, electrical conductivity, pH and in some cases phosphate, fluoride, or boron concentrations.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1972

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES		CAPACITIES				LOCATION	SOURCE OF WATER	REMARKS
			GROSS	WETTED	CHANNEL** CFS	INTAKE CFS	STORAGE A.F.	PERC.* CFS			
LOPEZ	SHALLOW BASINS	1956-57	18	13	-	25	25	7	SOUTHEASTERLY SIDE OF PACOIMA WASH, NORTHEASTERLY OF FOOTHILL BOULEVARD	CONTROLLED FLOW FROM PACOIMA DAM AND LOPEZ FLOOD CONTROL BASIN.	THE FLOW IS DIVERTED FROM LOPEZ FLOOD CONTROL BASIN VIA CANAL TO THE SPREADING GROUNDS.
PACOIMA	SHALLOW BASINS	1922-23	169	116	17,000	400	392	100	BOTH SIDES OF OLD PACOIMA WASH CHANNEL FROM ARLETA STREET SOUTHWESTERLY TO WOODMAN AVENUE.	CONTROLLED FLOW FROM PACOIMA DAM. PARTIALLY CONTROLLED FLOW FROM LOPEZ FLOOD CONTROL BASIN, UNCONTROLLED FROM EAST CANYON AND PACOIMA WASH.	FLOCCULANT FACILITY ADDED IN 1965-66
HANSEN	SHALLOW BASIN	1944-45	156	110	22,000	450	230	185	NORTHWESTERLY SIDE OF TUJUNGA WASH FROM ABOVE GLENOAKS BOULEVARD SOUTHWESTERLY TO SAN FERNANDO ROAD.	CONTROLLED FLOW FROM HANSEN DAM AND BIG TUJUNGA DAM.	GENERALLY WATER IS AVAILABLE FOR SPREADING ONLY DURING YEARS OF NORMAL OR ABOVE NORMAL RAINFALL. FLOCCULANT FACILITY ADDED IN 1971.
BRANFORD	DEEP BASIN	1956-57	12	7	1,540	1,540	135	1	SOUTHWESTERLY OF ARLETA STREET ABOVE CONFLUENCE OF TUJUNGA CHANNEL AND PACOIMA DIVERSION CHANNEL.	UNCONTROLLED FLOWS FROM BRANFORD STREET DRAIN.	BASIN DEVELOPMENT 65 PER CENT COMPLETE. OUTLET CAPACITY 1540 CFS TO PACOIMA DIVERSION CHANNEL.
ARROYO SECO	SHALLOW BASINS	1948-49	24	13	-	100	30	15	EASTERLY SIDE OF ARROYO SECO, LOWER END 0.5 MILE ABOVE DEVIL'S GATE DAM.	UNCONTROLLED FLOW FROM ARROYO SECO AND THE ALTADENA STORM DRAIN.	SPREADING GROUNDS ARE HELD UNDER EASEMENT FROM THE CITY OF PASADENA.
EATON WASH	DEEP AND SHALLOW BASINS	1947-48	28	22	6,600	100	420	20	EASTERLY SIDE OF EATON WASH BELOW EATON DAM TO FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM EATON WASH DAM AND SIERRA MADRE VILLA CHANNEL.	THREE DEEP BASINS COMPRISE 15 ACRES. THE SHALLOW STRIP BASINS TOTAL 13 ACRES.
SANTA ANITA	SHALLOW BASINS	1944-45	20	8	-	20	25	7	WESTERLY SIDE OF SANTA ANITA WASH 1.25 MILES ABOVE FOOTHILL BOULEVARD.	CONTROLLED FLOW FROM SANTA ANITA DAM AND SANTA ANITA DEBRIS DAM.	THE HEADWORKS LOCATED UPSTREAM OF THE DEBRIS DAM DIVERTS WATER TO SANTA ANITA SPREADING GROUNDS AND CITY OF SIERRA MADRE SPREADING GROUNDS.
SAWPIT	SHALLOW BASINS	1946-47	12	4	-	30	15	12	WESTERLY SIDE OF SAWPIT WASH BELOW MOUTH OF CANYON AT HEAD OF NORUMBEGA STREET, MONROVIA.	CONTROLLED FLOWS FROM SAWPIT DAM AND SAWPIT DEBRIS DAM.	
SAN GABRIEL CANYON	DITCHES AND CHECKS	ABOUT 1917	165	-	-	-	-	35	EASTERLY SIDE OF SAN GABRIEL RIVER. BELOW MOUTH OF CANYON. NORTH OF THE CITY OF AZUSA.	SAN GABRIEL RIVER CONTROLLED RELEASES FROM COGSWELL DAM, SAN GABRIEL DAM, AND MORRIS DAM.	THE DISTRICT TOOK OVER OPERATION OF THIS FACILITY IN NOVEMBER 1969. SURPLUS WATER FROM THE WATER RIGHTS OF THE COMMITTEE OF NINE.
LITTLE DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1931-32	16	7	-	20	4	5	WESTERLY OF GLENDORA MT. ROAD, FROM LITTLE DALTON DEBRIS DAM SOUTH TO EAST PALM DRIVE.	CONTROLLED FLOW FROM LITTLE DALTON DEBRIS DAM.	AREA REDUCED AS A RESULT OF DEBRIS DISPOSAL.
BIG DALTON	SHALLOW BASINS, DITCHES, AND CHECKS	1930-31	24	13	-	45	25	15	WESTERLY SIDE OF BIG DALTON WASH. INTAKE ONE HALF MILE ABOVE SIERRA MADRE AVENUE.	CONTROLLED FLOWS FROM BIG DALTON DAM AND BIG DALTON DEBRIS DAM.	
LIVE OAK	SHALLOW BASINS	1961-62	5	2	-	15	2	5	WESTERLY SIDE OF LIVE OAK WASH, NORTH OF BASE LINE ROAD (PROJECTED).	CONTROLLED FLOW FROM LIVE OAK DAM AND LIVE OAK DEBRIS DAM.	WEST SIDE OF GROUNDS NOW COMPLETED.
LAGUNA	SHALLOW BASINS	1962-63	6	3	-	-	5	1	EAST SIDE LONG BEACH FREEWAY, ONE HALF MILE NORTH OF BROOKLYN AVENUE.	LOCAL RUNOFF FROM ALHAMBRA AND EL SERENO VIA DORCHESTER DRAIN.	THE PIT IN WHICH BASINS ARE LOCATED WAS DESIGNED AS A RETENTION BASIN FOR THE DORCHESTER STORM DRAIN.
EATON BASIN	DEEP BASIN	1956-57	16	-	9,600	400	217	10	EAST SIDE OF EATON CHANNEL NORTH OF DUARTE ROAD, 0.6 MILE SOUTH OF HUNTINGTON DRIVE.	CONTROLLED FLOW FROM EATON WASH DAM AND UNCONTROLLED FLOWS BETWEEN DAM AND SPREADING BASIN.	BASIN UNDER DEVELOPMENT. THEREFORE, STORAGE AND PERCOLATING CAPACITY SUBJECT TO CHANGE.
PECK ROAD	DEEP BASIN	1959-60	157	85	30,100	30,100	5,000	17	CONFLUENCE OF SAWPIT AND SANTA ANITA WASHES.	ALL FLOWS IN SAWPIT AND SANTA ANITA WASHES.	INFILTRATION CAPACITY DETERIORATED AFTER FEBRUARY 1969.
BUENA VISTA	DEEP BASIN	1954-55	10	6	2,900	2,900	194	8	1.0± MILE EASTERLY OF SAWPIT WASH, 0.5± MILE NORTHERLY OF ARROW HIGHWAY, BETWEEN MERIDIAN STREET AND BUENA VISTA CHANNEL.	CONTROLLED FLOW FROM SANTA FE DAM AND UNCONTROLLED FLOW FROM BUENA VISTA CHANNEL.	NO OUTFLOW EXPECTED EXCEPT CAPITAL STORM, BUT A SMALL OUTLET STRUCTURE OF 150 CFS PROVIDED. INLET CAPACITY OF SANTA FE DIVERSION 120 CFS.

*THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS BUT ARE NOT VALID FOR SUSTAINED SPREADING OPERATIONS.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
WATER CONSERVATION DIVISION
SUMMARY OF DATA ON SPREADING FACILITIES
OWNED AND OPERATED BY THE DISTRICT
UPDATED THROUGH SEPTEMBER 1972

GROUNDS	TYPE	SEASON FIRST USED	AREA IN ACRES GROSS	AREA IN ACRES WETTED	CAPACITIES CHANNEL** CFS	CAPACITIES INTAKE CFS	CAPACITIES STORAGE A.F.	CAPACITIES PERC.* CFS	LOCATION	SOURCE OF WATER	REMARKS
SANTA FE ***	SHALLOW BASINS	1953-54	139	118	-	500	200	270	WITHIN SANTA FE DAM RESERVOIR AND SPILLWAY AREAS.	CONTROLLED FLOWS FROM SAN GABRIEL CANYON AND UNCONTROLLED FLOWS FROM BRADBURY CHANNEL AND SAN GABRIEL RIVER BELOW MORRIS RESERVOIR.	RIGHT OF WAY, HELD UNDER LICENSE FROM THE FEDERAL GOVERNMENT INCLUDES 301 ACRES IN SAN GACRIEL RIVER BED FOR EARTH DIVERSION LEVEE. CONSTRUCTION OF THE 605 FREEWAY REDUCES THE SPREADING AREA IN THE RESERVOIR AND A SUBSTITUTE AREA WILL BE PROVIDED DOWNSTREAM OF THE SPILLWAY.
IRWINDALE	DEEP BASIN	1958-59	17	14	20,000	450	495	40	NORTHEASTERLY OF INTERSECTION OF BIG DALTON CHANNEL AND IRWINDALE AVENUE; CONTINUES 1,300 FEET EAST OF IRWINDALE AVENUE.	BIG DALTON CHANNEL CONTROLLED FLOWS FROM BIG AND LITTLE DALTON DEBRIS DAMS AND PUDDINGSTONE DIVERSION DAM; UNCONTROLLED FLOWS.	FLOCCULANT FACILITY ADDED IN 1969.
CITRUS	SHALLOW BASIN	1960-61	19	18	-	25	20	28	SOUTH SIDE OF BIG DALTON WASH BETWEEN CITRUS AND CERRITOS AVENUES.		AZUSA IRRIGATION COMPANY ABANDONED PIPELINE IN 1967. NO SPREADING OPERATIONS AFTER THAT DATE.
BEN LOMOND	SHALLOW BASIN	1958-59	24	17	-	25	25	38	BOTH NORTH AND SOUTH SIDES OF SAN DIMAS WASH CHANNEL AT SOUTHWESTERLY CORNER OF INTERSECTION OF ARROW HIGHWAY AND BEN LOMOND AVENUE.	CONTROLLED RELEASES FROM COVINA IRRIGATING COMPANY PIPELINE	SPREADING GROUNDS UTILIZED TO CONSERVE EXCESS SURFACE SAN GABRIEL CANYON WATER RELEASES TO THE COVINA IRRIGATING COMPANY PIPELINE.
WALNUT CREEK SPREADING BASIN	DEEP BASIN	1962-63	16	8	8,000	150	166	5	WEST SIDE OF WALNUT WASH CHANNEL, NORTH OF SAN BERNARDINO FREEWAY.	CONTROLLED FLOW FROM PUDDINGSTONE DAM AND UNCONTROLLED FLOW FROM WALNUT WASH CHANNEL. EXCESS WATER FROM COVINA IRRIGATING COMPANY.	
SAN DIMAS CANYON SPREADING GROUNDS	SHALLOW BASIN	1965-66	23	11	-	25	22	12	SOUTHEAST SIDE OF SAN DIMAS WASH BETWEEN PUDDING STONE DIVERSION AND SAN DIMAS CANYON ROAD.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM.	DEVELOPED LOWER AREA BETWEEN RAMOLA AND SAN DIMAS CANYON ROAD.
FORBES SPREADING BASIN	DEEP BASIN	1964-65	21	-	-	25	65	10	SOUTH SIDE OF SAN DIMAS WASH BETWEEN LONE PINE AVENUE AND VALLEY CENTER AVENUE.	CONTROLLED RELEASES FROM PUDDINGSTONE DIVERSION DAM.	SPREADING BASIN BEING DEVELOPED. DIVERSION IN DESIGN PROCESS.
SAN GABRIEL COASTAL	SHALLOW BASIN	1938-39	128	101	-	500	400	80	WESTERLY SIDE OF SAN GABRIEL RIVER, SOUTHERLY FROM WHITTIER BOULEVARD TO WASHINGTON BOULEVARD.	CONTROLLED FLOW FROM DAMS IN SAN GABRIEL CANYON AND SANTA FE DAM, AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM VIA SAN GABRIEL RIVER; ALSO IMPORTED AND RECLAIMED WATER.	RIVER IMPROVEMENT COMPLETED IN 1968.
SAN GABRIEL RIVER UPPER	TEMPORARY CHECK LEVEES	1965-66	196±	196±	-	-	-	180	SAN GABRIEL RIVER FROM SANTA FE DAM TO RISING WATER.	CONTROLLED FLOW FROM DAMS IN SAN GABRIEL CANYON AND SANTA FE DAM AND UNCONTROLLED VALLEY RUNOFF BELOW SANTA FE DAM, ALSO IMPORTED WATER.	CHECK LEVEES DEVELOPED IN RIVER TO SPREAD WATER.
SAN GABRIEL RIVER LOWER	TEMPORARY CHECK LEVEES	1954-55	133	133	-	-	-	100	SAN GABRIEL RIVER FROM WHITTIER NARROWS DAM TO FLORENCE AVENUE.	SAME AS UPPER PORTION, ALSO RECLAIMED WATER.	SAME AS UPPER PORTION. SEE SAN GABRIEL COASTAL REMARKS.
RIO HONDO COASTAL	SHALLOW BASIN	1937-38	570	455	40,000	900	1,875	450	EASTERLY SIDE OF RIO HONDO SOUTHERLY FROM U.P.R.R. (SOUTH OF WHITTIER BOULEVARD) TO SLAUSON AVENUE; WEST SIDE OF RIO HONDO CHANNEL FROM 0.2± MILE ABOVE WHITTIER BOULEVARD SOUTH TO FOSTER BRIDGE BOULEVARD.	CONTROLLED RELEASES FROM SAN GABRIEL CANYON DAMS AND SANTA FE DAM, AND CONTROLLED RELEASES OUT OF WHITTIER NARROWS DAM FROM VALLEY RUNOFF VIA RIO HONDO; ALSO IMPORTED AND RECLAIMED WATER.	IN COOPERATION WITH THE CORPS OF ENGINEERS, THE DISTRICT OPERATES 1000-ACRE-FOOT POOL AT WHITTIER NARROWS DAM FOR RETENTION OF STORM WATERS. FLOCCULENT FACILITY ADDED AT WHITTIER NARROWS DAM IN 1967.
DOMINGUEZ GAP	DEEP BASIN	1957-58	54	26	-	20	237	3	CONTINUES 1.0 MILE SOUTH FROM DEL AMO BOULEVARD, AND BORDERS THE EASTERN AND WESTERN SIDES OF THE LOS ANGELES RIVER.	CONTROLLED FLOW FROM LOS ANGELES RIVER LOW FLOW CHANNEL AND UNCONTROLLED FLOWS FROM STORM DRAINS.	EAST SIDE BASIN USED FOR FLOOD REGULATION WITH SOME CONSERVATION STORAGE. INTAKE OF 20 CFS IS THE FIGURE FOR LOW FLOW DIVERSION FROM THE LOS ANGELES RIVER WEST SIDE BASIN WHICH IS FED BY A 42-INCH CONCRETE PIPE FROM THE EAST SIDE BASIN.
WALTERIA SPREADING BASIN	DEEP BASIN	1962-63	26		-	-	85	6	WEST SIDE OF HAWTHORNE AVENUE AT 236TH STREET.	LOCAL STORM DRAINS.	BASIN USED FOR FLOOD REGULATIONS WITH SOME CONSERVATION STORAGE.
TOTALS			2,235	1,512		10,310		1,511			

*THE CAPACITIES LISTED ARE BASED ON INFILTRATION RATES WHICH MAY BE EXPECTED TO PERSIST FOR AT LEAST FIVE DAYS BUT ARE NOT VALID FOR SUSTAINED SPREADING OPERATIONS.

**DESIGN CAPACITY OF MAIN CONCRETE CHANNEL.

***DOES NOT INCLUDE AREA DOWNSTREAM FROM SANTA FE DAM SPILLWAY WHICH IS BEING TESTED TO DETERMINE AREA NECESSARY TO COMPENSATE FOR CAPACITY LOSS DUE TO FREEWAY CONSTRUCTED ACROSS THE SPREADING GROUNDS PROPER.

RESERVOIR AND CHANNEL ABSORPTION

EXCLUSIVE OF SPREADING GROUNDS

STREAM	REACH OF STREAM WHERE ABSORPTION OCCURRED	TOTAL RELEASE TO REACH A.F.	ABSORPTION IN CHANNELS, RESERVOIRS AND DIVERSIONS A.F.	EXCESS OF RELEASE OVER ABSORPTION A.F.	YEAR
		2,310	1,040 (1)	1,270	1969-70
PACOIMA	DAM TO LINED CHANNEL	4,990	1,430 (1)	3,560	1970-71
		800	420 (1)	380	1971-72
		16,550	2,220 (1)(3)	14,330	1969-70
TUJUNGA	MOUTH TO LINED CHANNEL	17,600	5,900 (1)(3)	11,700	1970-71
		6,070	2,490 (1)(3)	3,580	1971-72
		0	800 (1)	0	1969-70
ARROYO SECO	DEVIL'S GATE RESERVOIR	0	1,200 (1)	0	1970-71
		0	798 (1)	0	1971-72
		0	190 (1)	0	1969-70
EATON WASH	EATON WASH DAM	0	230 (1)	0	1970-71
		0	207 (1)	0	1971-72
		4,060	650 (1)	3,410	1969-70
SANTA ANITA	DAM TO LINED CHANNEL	3,080	1,630 (1)	1,450	1970-71
		1,260	400 (1)	860	1971-72
		1,360	890 (4)	470	1969-70
RIO HONDO	SANTA FE DAM TO SAWPIT WASH	2,450	1,000 (4)	1,430	1970-71
		700	200 (4)	500	1971-72
		53,930	6,460	47,470	1969-70
SAN GABRIEL	MOUTH TO FOOTHILL BOULEVARD	34,050	10,050	24,000	1970-71
		15,500	5,660	9,840	1971-72
		32,250	12,480 (1)	19,770	1969-70
SAN GABRIEL	FOOTHILL BOULEVARD TO SANTA FE DAM	24,070	2,620 (1)	21,450	1970-71
		11,870	2,030 (1)	9,840	1971-72
		4,740	1,930 (1)	2,810	1969-70
SAN DIMAS	DAM TO LINED CHANNEL	2,130	920 (1)	1,210	1970-71
		1,200	720 (1)	480	1971-72
		0	0	0	1969-70
WALNUT	PUDDINGSTONE DAM TO LINED CHANNEL	4,090	710	3,380	1970-71
		0	0	0	1971-72
		0	52	0	1969-70
THOMPSON	THOMPSON CREEK RESERVOIR	0	32	0	1970-71
		0	6	0	1971-72
			26,712		1969-70
TOTALS			25,722		1970-71
			12,931		1971-72

NOTES: (1) INCLUDES PERCOLATION AND EVAPORATION LOSSES IN RESERVOIRS

(2) INCLUDES RISING WATER IN VICINITY OF WHITTIER NARROWS.

(3) INCLUDES WATER DIVERTED FOR USE.

(4) PART OF PERCOLATION IN THE SAN GABRIEL RIVER AND RIO HONDO ALSO APPEARS IN TABLE

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

PACOIMA DAM

1969-70

DRAINAGE AREA 28.2 SQ. MI.
CAPACITY OF RESERVOIR 1,837.4 AC. FT.
at SPILLWAY ELEVATION 1,960.0 FT.
as of AUGUST, 1969

Day	OCTOBER Height	Acre-Ft. Storage	CFS Inflow	CFS	NOVEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS	DECEMBER Height	Acre-Ft. Storage			[redacted] Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1758.0		2.7	2.7	1811.3	102.4	1.7		1833.8	270.3	2.1	.1	1845.2	394.1	2.0	.2	1
2	1759.0	0	1.9	1.9	1811.9	106.2	1.7	0	1834.2	274.2	2.2	.2	1845.5	397.8	2.0	.2	2
3	1772.9	6.4	1.8	0	1812.5	109.5	1.7	0	1834.6	278.0	2.3	.2	1845.8	401.4	2.0	.2	3
4	1777.3	10.7	1.8	0	1813.1	112.9	1.7	0	1835.0	281.9	2.2	.2	1846.1	405.1	2.0	.2	4
5	1780.7	15.2	1.8	0	1813.7	116.3	1.7	0	1835.4	285.9	2.2	.2	1846.3	407.6	2.0	.2	5
6	1783.6	19.3	1.8	0	1816.5	131.3	7.7	.2	1835.8	289.8	2.3	.2	1846.6	411.4	2.0	.2	6
7	1786.2	23.6	1.8	0	1819.3	151.3	10.1	0	1836.2	293.8	2.3	.2	1846.8	413.9	1.9	.2	7
8	1787.7	26.3	1.8	0	1820.7	161.0	3.9	0	1836.7	298.9	2.8	.2	1847.1	417.7	1.9	.2	8
9	1789.3	29.4	1.8	0	1821.8	168.8	4.0	0	1837.1	302.9	2.3	.2	1847.5	422.8	2.8	.2	9
10	1790.9	32.7	1.8	0	1822.7	175.5	3.3	0	1837.5	307.1	2.4	.2	1848.0	429.1	3.5	.2	10
11	1792.2	35.7	1.8	0	1823.5	181.5	3.0	0	1837.9	311.2	2.4	.2	1848.6	437.0	4.2	.2	11
12	1793.3	38.5	1.8	0	1824.1	186.1	2.3	0	1838.3	315.4	2.4	.2	1849.0	442.2	2.9	.2	12
13	1794.4	41.0	1.8	0	1824.7	190.9	2.4	0	1838.7	319.7	2.5	.2	1849.5	448.8	3.6	.2	13
14	1795.2	43.1	1.8	0	1825.3	195.7	2.5	0	1839.1	323.9	2.5	.2	1849.9	454.2	2.9	.2	14
15	1796.1	45.4	1.8	0	1826.0	201.3	2.9	0	1839.5	327.2	2.3	.2	1850.3	459.5	2.9	.2	15
16	1797.3	48.8	1.8	0	1826.7	207.1	2.9	0	1839.8	331.5	2.3	.2	1850.9	467.7	4.3	.2	16
17	1798.4	52.0	1.8	0	1827.4	213.0	3.1	0	1840.1	334.7	2.3	.2	1851.4	474.6	3.4	.2	17
18	1799.6	55.7	1.8	0	1827.9	217.2	2.3	0	1840.5	339.3	2.2	.2	1851.9	481.5	3.4	.2	18
19	1800.6	58.9	1.8	0	1828.4	221.5	2.4	0	1840.9	343.7	2.2	.2	1852.2	485.7	3.4	.2	19
20	1801.6	62.2	1.8	0	1828.9	225.8	2.4	.1	1841.1	346.0	2.2	.2	1852.7	492.8	3.4	.2	20
21	1802.6	65.6	1.7	0	1829.4	230.2	2.3	0	1841.6	351.7	2.3	.2	1853.0	497.0	2.5	.2	21
22	1803.5	68.8	1.7	0	1829.9	234.5	2.3	0	1842.0	356.2	2.3	.2	1853.3	501.4	2.5	.2	22
23	1804.5	71.7	1.7	0	1830.4	239.0	2.3	0	1842.4	360.9	2.3	.2	1853.6	505.7	2.5	.2	23
24	1805.1	74.7	1.7	0	1830.9	243.4	2.4	0	1842.7	364.4	2.3	.2	1854.0	511.5	2.5	.2	24
25	1806.0	78.2	1.7	0	1831.4	248.0	2.4	0	1843.1	369.0	2.3	.2	1854.3	515.9	2.5	.2	25
26	1806.9	81.9	1.7	0	1831.8	251.6	2.0	0	1843.4	372.6	2.3	.2	1854.6	520.3	2.5	.2	26
27	1807.7	85.4	1.7	0	1832.2	255.3	2.0	0	1843.8	377.3	2.3	.2	1854.9	524.7	2.5	.2	27
28	1808.5	89.0	1.7	0	1832.6	259.0	2.1	0	1844.1	380.8	2.3	.2	1855.1	527.7	2.5	.2	28
29	1809.3	92.7	1.7	0	1833.0	262.7	2.0	0	1844.4	384.4	2.3	.2	1855.4	532.2	2.5	.2	29
30	1810.0	96.1	1.7	0	1833.4	266.5	2.1	.1	1844.6	386.8	2.3	.2	1855.5	533.7	2.4	1.5	30
31	1810.7	99.2	1.7	0					1845.0	391.6	2.3	.2	1855.4	532.2	2.4	3.0	31
TOTAL			55.7	4.6			86.7	.4			71.7	6.1			83.8	10.3	
Inf. Ac. Ft.	110.6				172.0				142.3				166.2				
Outf. Ac. Ft.	4.1 + (2.2)				.7 + (3.9)				12.0 + (5.1)				20.4 + (5.3)				
Max. Mean Daily Inf.	2.7 cfs				10.1 cfs				.8 cfs				4.3 cfs				
Min. Mean Daily Inf.	1.7 cfs				2.0 cfs				2.1 cfs				1.9 cfs				
Storage Change	99.2 A.F.				167.3 A.F.				125.1 A.F.				140.5 A.F.				

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1855.3	530.7	2.6	3.0	1875.6	909.4	38.8	4.1	1896.5	1471.9	4.2	3.5	1896.3	1465.8	2.7	3.6	1
2	1855.3	530.7	2.6	3.0	1882.9	1082.1	91.1	.7	1896.5	1471.9	4.2	3.5	1896.3	1465.8	2.7	3.6	2
3	1855.2	529.2	2.7	3.0	1880.0	1026.1	40.4	52.0	1896.6	1474.9	4.2	3.4	1896.2	1462.7	2.7	3.6	3
4	1855.2	529.2	2.7	3.0	1882.5	1078.0	31.6	25.0	1896.6	1474.9	4.2	3.4	1896.1	1459.6	2.7	3.6	4
5	1855.1	527.7	2.7	3.0	1885.3	1151.1	39.9	2.8	1896.6	1474.9	4.2	3.4	1896.0	1456.5	2.7	3.6	5
6	1855.0	526.2	2.7	3.0	1887.0	1196.8	30.8	7.6	1896.6	1474.9	4.2	3.4	1896.0	1456.6	2.7	3.6	6
7	1855.0	526.2	2.7	3.0	1888.4	1235.2	25.4	5.8	1896.6	1474.9	4.2	3.4	1895.9	1453.6	2.6	3.6	7
8	1854.9	524.7	2.7	3.0	1889.5	1265.9	20.3	4.7	1896.7	1478.0	4.2	3.3	1895.8	1450.5	2.6	3.6	8
9	1855.5	533.7	7.9	3.3	1890.4	1291.4	17.6	4.6	1896.7	1478.0	4.1	3.3	1895.7	1447.5	2.6	3.6	9
10	1858.7	583.4	28.7	3.6	1891.1	1311.1	15.5	4.4	1896.7	1478.0	4.1	3.3	1895.6	1444.5	2.6	3.6	10
11	1860.8	618.0	20.5	3.0	1891.8	1331.7	14.5	4.2	1896.7	1478.0	4.0	3.3	1895.5	1441.5	2.4	3.6	11
12	1861.6	631.6	9.9	3.0	1892.5	1352.1	14.7	4.2	1896.7	1478.0	3.5	3.3	1895.4	1438.4	2.4	3.5	12
13	1862.2	641.9	8.2	3.0	1892.8	1360.9	10.1	4.0	1896.7	1478.0	3.5	3.3	1895.3	1435.4	2.4	3.5	13
14	1862.6	648.8	6.6	3.0	1893.3	1375.6	10.1	3.8	1896.7	1478.0	3.6	3.3	1895.2	1432.4	2.4	3.5	14
15	1862.9	654.0	5.8	3.0	1893.7	1387.5	10.0	3.8	1896.7	1478.0	3.6	3.3	1895.1	1429.4	2.4	3.5	15
16	1863.2	659.3	5.8	3.0	1894.1	1399.4	9.8	3.6	1896.7	1478.0	3.5	3.3	1895.0	1426.3	2.4	3.5	16
17	1863.4	662.9	4.8	2.9	1894.4	1408.4	8.5	3.6	1896.7	1478.0	3.4	3.3	1894.9	1423.3	2.4	3.4	17
18	1863.6	666.5	4.8	2.8	1894.6	1414.4	7.3	3.7	1896.7	1478.0	3.5	3.3	1894.8	1420.3	2.3	3.4	18
19	1863.8	670.0	4.6	2.8	1894.8	1420.3	7.3	3.8	1896.7	1478.0	3.5	3.3	1894.7	1417.3	2.3	3.4	19
20	1863.9	671.8	4.6	2.8	1895.0	1426.3	7.1	3.8	1896.7	1478.0	3.5	3.3	1894.6	1414.4	2.3	3.4	20
21	1864.1	675.4	4.6	2.8	1895.2	1432.4	7.0	3.7	1896.7	1478.0	3.6	3.3	1894.5	1411.4	1.9	3.4	21
22	1864.2	677.2	3.7	2.8	1895.4	1438.4	7.0	3.7	1896.6	1474.9	3.3	3.3	1894.3	1405.4	1.9	3.4	22
23	1864.3	679.0	3.7	2.8	1895.5	1441.5	5.6	3.7	1896.6	1474.9	3.2	3.3	1894.2	1402.4	1.9	3.4	23
24	1864.4	680.9	3.7	2.8	1895.6	1444.5	5.6	3.7	1896.6	1474.9	3.2	3.3	1894.1	1399.4	1.9	3.4	24
25	1864.4	680.9	3.7	2.8	1895.8	1450.5	6.9	3.7	1896.6	1474.9	3.2	3.3	1894.0	1396.4	1.9	3.4	25
26	1864.5	682.7	3.8	2.8	1895.9	1453.6	5.4	3.7	1896.5	1471.9	3.2	3.5	1893.9	1393.4	1.9	3.4	26
27	1864.6	684.5	3.8	2.8	1896.0	1456.6	5.7	3.8	1896.5	1471.9	3.2	3.6	1893.8	1390.5	1.9	3.3	27
28	1866.6	721.7	22.8	3.2	1896.0	1456.6	4.1	3.8	1896.5	1471.9	3.2	3.6	1893.7	1387.5	1.9	3.3	28
29					1896.2	1462.7	7.0	3.8	1896.4	1468.8	3.2	3.6	1893.6	1384.5	1.9	3.3	29
30					1896.4	1468.8	6.9	3.7	1896.4	1468.8	3.2	3.6	1893.5	1381.6	1.9	3.3	30
31					1896.4	1468.8	3.8	3.6					1893.4	1378.6	1.9	3.3	31
TOTAL			182.6	83.0			574.9	131.1			109.9	101.4			71.2	107.6	
Inf. Ac. Ft.	362.2				1140.3				218.0				141.2				
Outf. Ac. Ft.	164.6 +(6.0)				579.9 + (14.1)				201.1 + (16.9)				213.4 + (18.0)				
Max. Mean Daily Inf.	28.7 cfs				98.8 cfs				4.2 cfs				2.7 cfs				
Min. Mean Daily Inf.	2.6 cfs				3.8 cfs				3.2 cfs				1.9 cfs				
Storage Change	189.5 A.F.				747.2 A.F.				0 A.F.				-90.2 A.F.				

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	Day
1	1893.3	1375.6	1.6	3.3	1885.2	1148.5	1.8	44.0	1838.5	317.5	.9	.7	1837.8	310.2	.6	.8	1
2	1893.2	1372.7	1.6	3.3	1880.8	1034.6	1.8	59.0	1838.5	317.5	.9	.7	1837.7	309.1	.6	.8	2
3	1893.0	1366.7	1.5	3.3	1876.0	918.5	1.8	60.0	1838.5	317.5	.9	.7	1837.7	309.1	.6	.8	3
4	1892.8	1360.9	1.5	3.3	1871.1	811.1	1.8	56.0	1838.5	317.5	.9	.7	1837.6	308.1	.6	.8	4
5	1892.7	1357.9	1.5	3.3	1865.8	705.6	1.8	54.0	1838.5	317.5	.9	.7	1837.6	308.1	.6	.8	5
6	1892.6	1355.0	2.0	3.3	1860.1	606.3	1.8	52.0	1838.6	318.6	.9	.7	1837.5	307.1	.6	.8	6
7	1892.5	1352.0	2.0	3.3	1853.7	507.1	1.8	52.0	1838.6	318.6	.9	.7	1837.4	306.0	.6	.8	7
8	1892.4	1349.2	2.0	3.3	1847.0	416.4	1.8	47.0	1838.6	318.6	.9	.7	1837.3	305.0	.6	.8	8
9	1892.3	1346.2	2.0	3.2	1839.9	332.6	1.8	44.0	1838.6	318.6	.9	.7	1837.2	304.0	.6	.8	9
10	1892.2	1343.3	1.9	3.2	1839.8	331.5	1.8	2.0	1838.6	318.6	.8	.7	1837.2	304.0	.6	.8	10
11	1892.0	1337.4	1.7	3.2	1839.8	331.5	1.5	2.0	1838.5	317.5	.8	.7	1837.1	302.9	.6	.8	11
12	1891.9	1334.5	1.6	3.2	1839.7	330.4	1.5	1.9	1838.5	317.5	.8	.7	1837.1	302.9	.6	.7	12
13	1891.8	1331.7	1.6	3.2	1839.7	330.4	1.5	1.8	1838.5	317.5	.8	.7	1837.0	301.9	.6	.7	13
14	1891.7	1328.8	1.6	3.2	1839.6	329.3	1.5	1.8	1838.4	316.5	.8	.8	1837.0	301.9	.6	.7	14
15	1891.6	1325.9	1.6	3.2	1839.5	328.3	1.5	1.7	1838.4	316.5	.8	.8	1836.9	300.9	.6	.7	15
16	1891.5	1323.0	1.5	3.1	1839.4	327.2	1.5	1.6	1838.4	316.5	.7	.8	1836.9	300.9	.6	.7	16
17	1891.4	1320.1	1.5	3.0	1839.3	326.1	1.5	1.6	1838.4	316.5	.7	.8	1836.8	299.9	.6	.7	17
18	1891.2	1314.3	1.5	3.0	1839.2	325.0	1.5	1.8	1838.4	316.5	.7	.8	1836.8	299.9	.6	.7	18
19	1891.1	1311.4	1.5	3.0	1839.2	325.0	1.5	1.7	1838.3	315.4	.7	.8	1836.8	299.9	.5	.6	19
20	1891.0	1308.5	1.4	3.0	1839.1	323.9	1.5	1.7	1838.3	315.4	.7	.8	1836.8	299.9	.5	.6	20
21	1890.8	1302.8	1.3	3.0	1838.9	321.8	1.3	1.7	1838.3	315.4	.7	.8	1836.7	298.9	.5	.6	21
22	1890.7	1300.0	1.3	3.0	1838.9	321.8	1.3	1.7	1838.3	315.4	.7	.8	1836.7	298.9	.5	.6	22
23	1890.6	1297.1	1.3	3.0	1838.8	320.7	1.3	1.7	1838.2	314.4	.7	.8	1836.6	297.8	.5	.6	23
24	1890.5	1294.3	1.3	3.0	1838.7	319.7	1.2	1.7	1838.2	314.4	.7	.8	1836.6	297.8	.5	.6	24
25	1890.3	1288.5	1.3	3.0	1838.6	318.6	1.2	1.7	1838.2	314.4	.7	.8	1836.5	296.8	.5	.6	25
26	1890.1	1282.8	1.3	3.0	1838.5	317.5	1.2	1.7	1838.1	313.3	.7	.8	1836.5	296.8	.5	.6	26
27	1889.9	1277.2	1.3	3.0	1838.4	316.5	1.2	1.7	1838.1	313.3	.7	.8	1836.4	295.8	.5	.6	27
28	1889.8	1274.4	1.3	3.0	1838.4	316.5	1.2	1.3	1838.0	312.2	.7	.8	1836.4	295.8	.5	.6	28
29	1889.7	1271.5	1.3	3.0	1838.4	316.5	1.2	.7	1838.0	312.2	.7	.8	1836.3	294.8	.5	.6	29
30	1888.3	1232.4	1.2	21.0	1838.4	316.5	1.2	.7	1837.9	311.2	.7	.8	1836.2	293.8	.4	.6	30
31					1838.5	317.5	1.2	.7	1837.9	311.2	.7	.8					31
TOTAL			46.0	111.9			46.5	502.9			24.1	23.5			16.6	20.9	
Inf. Ac. Ft.	91.2				92.2				47.8				33.0				
Outf. Ac. Ft.	222.0 + (15.5)				397.5 + (9.7)				46.6 + (7.5)				41.4 + (8.9)				
Max. Mean Daily Inf.	2.0 cfs				1.8 cfs				.9 cfs				.6 cfs				
Min. Mean Daily Inf.	1.2 cfs				1.2 cfs				.7 cfs				.4 cfs				
Storage Change	-146.2 A.F.				-914.9 A.F.				-6.3 A.F.				-7.4 A.F.				

Max. W.S. Elev. 1896.7 feet on 4/8/70 Storage 1478.0 Acre-Feet
Min. W.S. Elev. 1758.0 feet on 10/1-2/69 Storage 0 Acre-Feet
Max. Peak Inf. 776 CFS from 8:00 p.m. on 3/1/70 to 10:00 p.m. on 3/1/70
Max. Peak Outf. 153 CFS from 3:00 p.m. on 3/3/70 to 3:00 p.m. on 3/3/70

REMARKS: ⌐ indicates average for period
( ) indicates evaporation losses

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

DAM OPERATION RECORD

BIG TUJUNGA DAM

1971-72

GAGE HEIGHTS AND STORAGES ARE AS OF MIDNIGHT ON DAY SHOWN.

DRAINAGE AREA [illegible] SQ. MI.
CAPACITY OF RESERVOIR [illegible] AC. FT.,
at SPILLWAY ELEVATION [illegible] FT.,
as of October, 19[illegible]

Day	OCTOBER Height	Acre-Ft. Storage	CFS Inflow	CFS	NOVEMBER Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2196.5	723.6	2.4	7.2	2189.9	557.8	2.9	.2
2	2196.1	712.9	2.4	7.2	2190.2	564.8	2.9	.2
3	2195.6	699.6	2.4	7.2	2190.4	569.5	2.9	.2
4	2195.1	686.3	2.3	7.2	2190.6	574.2	2.9	.2
5	2194.7	675.8	2.3	7.2	2190.7	576.5	3.0	1.0
6	2194.2	662.9	2.3	7.2	2190.7	576.5	3.5	2.4
7	2193.8	652.6	2.3	7.2	2190.8	578.9	3.5	2.4
8	2193.3	640.0	2.3	7.2	2190.8	578.9	3.5	2.4
9	2192.8	627.4	2.3	7.2	2190.9	581.2	3.5	2.4
10	2192.4	617.5	2.3	7.2	2190.9	581.2	3.5	2.4
11	2191.9	605.3	2.3	7.2	2191.0	583.6	3.5	2.4
12	2191.5	595.6	2.3	7.2	2191.2	588.4	3.5	2.4
13	2191.0	583.6	2.3	7.0	2191.3	590.8	3.5	2.4
14	2190.6	574.2	2.3	7.0	2191.4	593.2	3.5	2.4
15	2190.2	564.8	2.3	7.0	2191.5	595.6	3.5	2.4
16	2189.7	553.2	2.3	6.8	2191.6	598.0	3.5	2.4
17	2189.3	544.0	2.3	6.8	2191.7	600.4	3.5	2.4
18	2188.9	534.9	2.3	6.8	2191.7	600.4	3.5	2.4
19	2188.5	526.0	2.3	6.6	2191.8	602.8	3.5	2.4
20	2188.1	517.1	2.3	6.6	2191.8	602.8	3.5	2.4
21	2187.7	508.4	2.3	6.6	2191.9	605.3	3.5	2.3
22	2187.6	506.3	2.3	5.2	2192.0	607.7	3.5	2.3
23	2187.8	510.6	2.3	.2	2192.1	610.1	3.5	2.3
24	2188.1	517.1	2.3	.2	2192.2	612.6	3.5	3.2
25	2188.3	521.6	2.3	.2	2192.3	615.1	3.6	2.3
26	2188.5	526.0	2.3	.2	2192.4	617.5	3.6	2.3
27	2188.8	532.7	2.3	.2	2192.4	617.5	3.6	2.3
28	2189.0	537.2	2.3	.2	2192.5	620.0	3.6	2.3
29	2189.2	541.7	2.3	.2	2192.6	622.5	3.6	2.3
30	2189.4	546.3	2.3	.2	2192.7	625.0	3.6	2.3
31	2189.7	551.2	2.3	.2				
TOTAL			71.6	154.6			107.7	60.8
Inf. Ac. Ft.		[illegible]				[illegible]		
Outf. Ac. Ft.		[illegible] + (14.9)				120.6 + ([illegible])		
Max. Mean Daily Inf.		2.4 cfs				3.6 cfs		
Min. Mean Daily Inf.		2.3 cfs				2.9 cfs		
Storage Change		[illegible] A.F.				[illegible] A.F.		

Day	DECEMBER Height	Storage	CFS Inflow	Outflow	JANUARY Height	Acre-Ft. Storage	CFS Inflow	CFS
1	2192.8	627.4	3.8	2.3	2229.3	1966.7	17.6	2.6
2	2192.9	629.9	3.8	2.3	2229.9	1995.9	17.5	2.6
3	2193.0	632.4	3.8	2.3	2227.6	1884.9	16.5	72.0
4	2193.1	634.9	3.8	2.3	2223.2	1682.2	15.8	117.0
5	2193.2	637.4	3.8	2.3	2218.6	1483.6	13.3	109.0
6	2193.3	640.0	3.8	2.3	2213.9	1295.4	13.2	[illegible]
7	2193.4	642.5	3.8	2.3	2211.2	1193.7	13.2	7.0
8	2193.5	645.0	3.8	2.3	2211.6	1208.5	13.2	4.7
9	2193.6	647.5	3.8	2.3	2212.1	1227.1	13.1	4.7
10	2193.7	650.1	3.9	2.3	2212.5	1242.1	13.1	4.7
11	2193.8	652.5	3.9	2.3	2212.9	1257.2	12.0	4.2
12	2194.0	657.7	3.9	2.3	2213.3	1272.5	12.0	4.2
13	2194.1	660.3	3.9	2.3	2213.7	1287.8	11.9	4.2
14	2194.3	665.4	3.9	2.3	2214.0	1299.3	11.9	4.2
15	2194.4	668.0	3.9	2.3	2214.4	1314.9	11.9	4.2
16	2194.5	670.6	3.9	2.3	2214.7	1326.6	10.9	4.2
17	2194.6	673.2	3.9	2.3	2215.1	1342.3	10.9	4.2
18	2194.7	675.8	3.9	2.3	2215.4	1354.2	10.9	4.2
19	2194.8	678.4	3.9	2.3	2215.7	1366.0	10.9	4.2
20	2194.9	681.0	3.9	2.3	2216.0	1377.9	10.9	4.4
21	2195.0	683.6	3.9	2.3	2216.3	1390.0	10.3	4.2
22	2196.4	721.1	21.2	2.3	2216.6	1402.1	10.3	4.2
23	2196.9	734.7	9.3	2.3	2216.9	1414.1	10.3	4.2
24	2209.0	1124.4	193.7	2.3	2217.1	1422.3	10.2	4.2
25	2216.8	1410.1	151.4	2.3	2217.4	1434.5	10.2	4.2
26	2222.6	1655.6	125.0	2.3	2217.6	1442.7	8.8	4.2
27	2225.4	1772.0	66.1	2.3	2217.8	1450.9	8.8	4.2
28	2226.9	1851.8	37.3	2.3	2218.0	1459.1	8.8	4.2
29	2228.0	1904.0	28.7	2.3	2218.2	1467.4	8.8	4.2
30	2228.0	1904.0	17.3	17.1	2218.4	1475.7	8.8	4.2
31	2228.7	1937.6	19.2	2.0	2218.6	1484.0	8.7	4.2
TOTAL			751.4	85.8			364.7	[illegible]1.7
Inf. Ac. Ft.		[illegible]				723.4		
Outf. Ac. Ft.		170.2 + (7.6)				1153.8 + (23.2)		
Max. Mean Daily Inf.		193.7 cfs				17.6 cfs		
Min. Mean Daily Inf.		3.8 cfs				8.7 cfs		
Storage Change		1312.[illegible] A.F.				-453.6 A.F.		

Day	FEBRUARY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MARCH Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2218.8	1492.3	8.7	4.2	2223.8	1709.1	6.6	1.0
2	2218.9	1496.4	8.7	4.2	2224.1	1722.6	6.6	1.0
3	2219.2	1509.0	8.7	4.2	2224.3	1731.7	6.6	1.0
4	2219.4	1517.4	8.7	4.2	2224.5	1740.8	6.6	1.0
5	2219.6	1525.9	8.7	4.2	2224.8	1754.5	6.6	1.0
6	2219.8	1534.3	8.6	4.2	2225.0	1763.6	6.5	1.0
7	2219.9	1538.5	8.7	4.2	2225.2	1772.8	6.5	1.0
8	2220.2	1551.3	8.7	4.2	2225.4	1782.0	6.5	1.0
9	2220.4	1559.9	8.7	4.2	2225.6	1791.3	6.5	1.0
10	2220.5	1564.1	7.6	4.2	2225.8	1800.5	6.5	1.0
11	2220.7	1572.7	7.6	4.2	2226.0	1809.7	6.0	1.0
12	2220.8	1577.0	7.6	4.2	2226.2	1819.1	6.0	1.0
13	2221.0	1585.6	7.6	4.2	2226.5	1833.1	6.0	1.0
14	2221.1	1589.9	7.6	4.2	2226.7	1842.5	6.0	1.0
15	2221.3	1598.6	7.6	4.2	2226.9	1851.8	6.0	1.0
16	2221.4	1603.0	7.6	4.2	2227.1	1861.3	6.0	1.0
17	2221.5	1607.3	7.6	4.2	2227.2	1866.0	6.0	1.0
18	2221.7	1616.0	7.6	4.2	2227.4	1875.5	6.0	1.0
19	2221.8	1620.4	7.6	4.2	2227.6	1885.0	5.9	1.0
20	2221.9	1624.7	7.0	4.2	2227.7	1889.7	5.9	1.0
21	2222.0	1629.1	7.0	4.2	2227.9	1899.2	5.7	1.0
22	2222.1	1633.5	7.0	4.2	2228.1	1908.8	5.7	1.0
23	2222.2	1637.9	7.0	4.2	2228.3	1918.4	5.7	1.0
24	2222.4	1646.7	7.0	4.2	2228.5	1928.0	5.7	1.0
25	2222.5	1651.1	7.0	1.5	2228.6	1932.8	5.6	1.0
26	2222.7	1660.0	7.0	1.0	2228.8	1942.4	5.6	1.0
27	2223.0	1673.2	7.0	1.0	2228.9	1947.3	5.6	1.0
28	2223.3	1686.5	7.0	1.0	2229.1	1956.9	5.6	1.0
29	2223.6	1700.1	6.9	1.0	2229.3	1966.7	5.6	1.0
30					2229.4	1971.5	5.6	1.0
31					2229.6	1981.3	5.5	1.0
TOTAL			224.1	106.3			187.2	31.0
Inf. Ac. Ft.		444.5				371.3		
Outf. Ac. Ft.		210.8 + (17.5)				61.5 + (28.8)		
Max. Mean Daily Inf.		8.7 cfs				6.6 cfs		
Min. Mean Daily Inf.		6.9 cfs				5.5 cfs		
Storage Change		216.1 A.F.				[illegible]1.1 A.F.		

Day	APRIL Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	MAY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2229.7	1986.2	4.7	1.0	2233.6	2181.1	3.5	1.0
2	2229.9	1995.9	4.7	1.0	2233.6	2181.1	3.5	1.0
3	2230.1	2005.7	4.7	1.0	2233.6	2181.1	3.5	3.5
4	2230.2	2010.6	4.7	1.0	2233.6	2181.1	3.5	3.5
5	2230.3	2015.6	4.6	1.0	2233.6	2181.1	3.5	3.5
6	2230.4	2020.5	4.6	1.0	2233.6	2181.1	3.5	3.5
7	2230.6	2030.3	4.6	1.0	2233.6	2181.1	3.5	3.5
8	2230.7	2035.3	4.6	1.0	2233.6	2181.1	3.5	3.5
9	2230.8	2040.2	4.6	1.0	2233.6	2181.1	3.4	3.5
10	2230.9	2045.1	4.6	1.0	2233.5	2176.0	3.8	3.5
11	2231.1	2055.1	5.4	1.0	2233.5	2176.0	3.4	3.5
12	2231.3	2065.0	5.4	1.0	2233.4	2170.9	3.4	3.5
13	2231.4	2070.0	5.4	1.0	2233.4	2170.9	3.4	3.5
14	2231.5	2075.0	5.4	1.0	2233.3	2165.8	3.4	3.5
15	2231.6	2080.0	5.4	1.0	2233.3	2165.8	3.4	3.5
16	2231.8	2090.0	5.5	1.0	2233.2	2160.7	3.4	3.5
17	2231.9	2095.0	5.5	1.0	2233.1	2155.6	3.4	3.5
18	2232.1	2105.0	5.5	1.0	2233.1	2155.6	3.4	3.5
19	2232.3	2115.1	5.5	1.0	2233.1	2155.6	3.4	3.5
20	2232.5	2125.2	5.5	1.0	2233.2	2160.7	3.4	3.5
21	2232.6	2130.3	4.2	1.0	2233.2	2160.7	2.9	3.5
22	2232.7	2135.3	4.2	1.0	2233.2	2160.7	2.8	3.5
23	2232.8	2140.4	4.2	1.0	2233.1	2155.6	2.8	3.5
24	2232.9	2145.4	4.2	1.0	2233.1	2155.6	2.8	3.5
25	2233.0	2150.5	4.2	1.0	2233.0	2150.5	2.8	3.5
26	2233.1	2155.6	4.1	1.0	2233.0	2150.5	2.8	3.5
27	2233.2	2160.7	4.1	1.0	2232.9	2145.4	2.8	3.5
28	2233.3	2165.8	4.1	1.0	2232.9	2145.4	2.8	3.5
29	2233.4	2170.9	4.1	1.0	2232.8	2140.4	2.8	3.5
30	2233.5	2176.0	4.1	1.0	2232.8	2140.4	2.8	3.5
31					2232.7	2135.3	2.8	3.5
TOTAL			142.4	30.0			99.5	103.5
Inf. Ac. Ft.		282.5				197.4		
Outf. Ac. Ft.		59.5 + (28.4)				205.3 + (32.7)		
Max. Mean Daily Inf.		5.5 cfs				3.5 cfs		
Min. Mean Daily Inf.		4.1 cfs				2.8 cfs		
Storage Change		194.7 A.F.				-40.7 A.F.		

Day	JUNE Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	JULY Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2232.6	2130.2	1.4	3.4	2229.2	1961.8	.6	5.0
2	2232.5	2125.2	1.4	3.4	2229.0	1952.0	.6	5.0
3	2232.4	2120.1	1.4	3.4	2228.8	1942.4	.6	5.0
4	2232.3	2115.1	1.4	3.4	2228.6	1932.8	.6	5.0
5	2232.3	2115.1	1.4	3.4	2228.4	1923.2	.6	5.0
6	2232.2	2110.0	1.4	3.4	2228.2	1913.5	.6	4.8
7	2232.2	2110.0	1.4	3.3	2228.0	1903.9	.6	5.0
8	2232.1	2105.0	1.4	3.3	2227.8	1894.4	.6	5.0
9	2232.0	2099.9	1.4	3.3	2227.5	1880.2	.6	4.8
10	2231.9	2094.9	1.4	3.3	2227.3	1870.7	.6	4.8
11	2231.8	2089.9	1.4	3.3	2227.1	1861.2	.6	4.8
12	2231.7	2084.9	1.4	3.3	2226.9	1851.8	.6	4.8
13	2231.6	2080.0	1.4	3.3	2226.7	1842.4	.6	4.6
14	2231.6	2080.0	1.4	1.7	2226.5	1833.1	.6	4.8
15	2231.7	2084.9	1.4	[illegible]	2226.3	1823.7	.6	4.8
16	2231.6	2080.0	1.4	1.5	2226.1	1814.3	.6	4.8
17	2231.5	2075.0	1.4	5.0	2225.9	1805.0	.6	4.8
18	2231.3	2065.0	1.3	5.0	2225.7	1795.8	.6	4.6
19	2231.3	2065.0	1.3	2.0	2225.5	1786.6	.6	4.6
20	2231.2	2060.0	1.3	1.5	2225.3	1777.3	.6	4.6
21	2231.0	2050.0	1.3	5.0	2225.2	1772.7	.6	4.6
22	2230.9	2045.1	1.3	2.1	2224.9	1759.0	.6	4.5
23	2230.7	2035.2	1.3	5.0	2224.8	1754.4	.6	4.6
24	2230.6	2030.3	1.3	5.0	2224.5	1740.8	.6	4.6
25	2230.4	2020.4	1.3	5.0	2224.3	1731.7	.6	4.6
26	2230.2	2010.6	1.3	5.0	2224.1	1722.6	.6	4.7
27	2230.0	2000.7	1.3	5.0	2223.9	1713.5	.6	4.5
28	2229.8	1991.0	1.3	5.0	2223.8	1709.0	.6	4.0
29	2229.6	1981.6	1.3	2.1	2223.5	1695.6	.6	4.2
30	2229.4	1971.5	1.3	5.0	2223.2	1682.1	.5	4.2
31					2223.0	1673.2	.5	4.2
TOTAL			40.7	104.4			18.4	144.8
Inf. Ac. Ft.		80.7				36.5		
Outf. Ac. Ft.		207.1 + (37.5)				287.2 + ([illegible])		
Max. Mean Daily Inf.		1.4				.6		
Min. Mean Daily Inf.		1.3				.5		
Storage Change		-163.8				-298.3		

Day	AUGUST Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow	SEPTEMBER Gage Height	Acre-Ft. Storage	CFS Inflow	CFS Outflow
1	2222.8	1664.3	.7	4.0	2216.3	1389.9	1.7	5.0
2	2222.5	1655.5	.7	4.0	2216.1	1381.9	1.7	5.0
3	2222.4	1646.7	.7	4.0	2215.9	1373.9	1.7	5.0
4	2222.2	1637.8	.7	5.0	2215.7	1366.0	1.7	5.0
5	2221.9	1624.7	.7	5.0	2215.5	1358.1	1.7	5.0
6	2221.7	1616.0	.7	5.0	2215.3	1350.1	1.7	5.0
7	2221.5	1607.3	.7	5.0	2215.1	1342.2	1.7	4.8
8	2221.3	1598.6	.7	5.0	2214.9	1334.4	1.7	5.0
9	2221.1	1589.9	.7	5.0	2214.7	1326.6	1.7	5.0
10	2220.9	1581.2	.7	4.9	2214.5	1318.8	1.7	5.0
11	2220.7	1572.7	.7	4.9	2214.3	1311.0	1.7	5.0
12	2220.5	1564.1	.7	4.9	2214.1	1303.2	1.7	5.0
13	2220.3	1555.5	.7	4.9	2213.9	1295.4	1.7	5.0
14	2220.1	1546.9	.7	4.8	2213.7	1287.8	1.7	5.0
15	2219.8	1534.2	.7	4.9	2213.5	1280.1	1.7	5.3
16	2219.6	1525.8	.7	4.9	2213.3	1272.4	1.7	5.3
17	2219.4	1517.4	.7	4.8	2213.1	1264.7	1.7	5.3
18	2219.2	1508.9	.7	4.9	2212.9	1257.1	1.7	5.3
19	2219.0	1500.5	.7	4.9	2212.7	1249.6	1.7	5.3
20	2218.8	1492.2	.7	4.9	2212.4	1238.3	1.7	5.3
21	2218.6	1483.9	.7	4.9	2212.2	1230.8	1.7	5.3
22	2218.4	1475.6	.7	4.9	2212.0	1223.3	1.7	5.3
23	2218.1	1463.2	.7	4.9	2211.8	1215.9	1.7	5.3
24	2217.9	1454.9	.7	4.5	2211.6	1208.5	1.7	5.3
25	2217.7	1446.7	.7	4.5	2211.4	1201.1	1.7	5.3
26	2217.5	1438.6	.7	4.3	2211.2	1193.7	1.7	5.3
27	2217.3	1430.4	.8	4.3	2211.0	1186.3	1.7	5.3
28	2217.1	1422.2	.8	4.3	2210.8	1179.1	1.7	5.3
29	2216.9	1414.1	.8	4.3	2210.6	1171.8	1.7	5.4
30	2216.7	1406.0	.8	4.3	2210.5	1168.2	1.8	5.4
31	2216.5	1398.0	.8	4.3				
TOTAL			22.2	144.0			51.1	154.4
Inf. Ac. Ft.		44.0				101.4		
Outf. Ac. Ft.		285.6 + (33.7)				306.2 + (25.0)		
Max. Mean Daily Inf.		.8				1.8		
Min. Mean Daily Inf.		.7				1.7		
Storage Change		-275.2				-229.8		

Max. F.S. Elev. 2233.6 feet on Various Days Storage 2181.1 Acre-Feet
Min. F.S. Elev. 2187.5 feet on 10/22/71 Storage [illegible] Acre-Feet
Max. Peak Inf. 462. CFS from 2:00 P.M. on 12/24/71 to 4:00 P.M. on 12/24/71
Max. Peak Outf. 348. CFS from 9:00 A.M. on 12/30/71 to [illegible]:37 A.M. on 12/30/71

REMARKS: ⌐ Indicates average for period.
( ) Indicates evaporation losses.